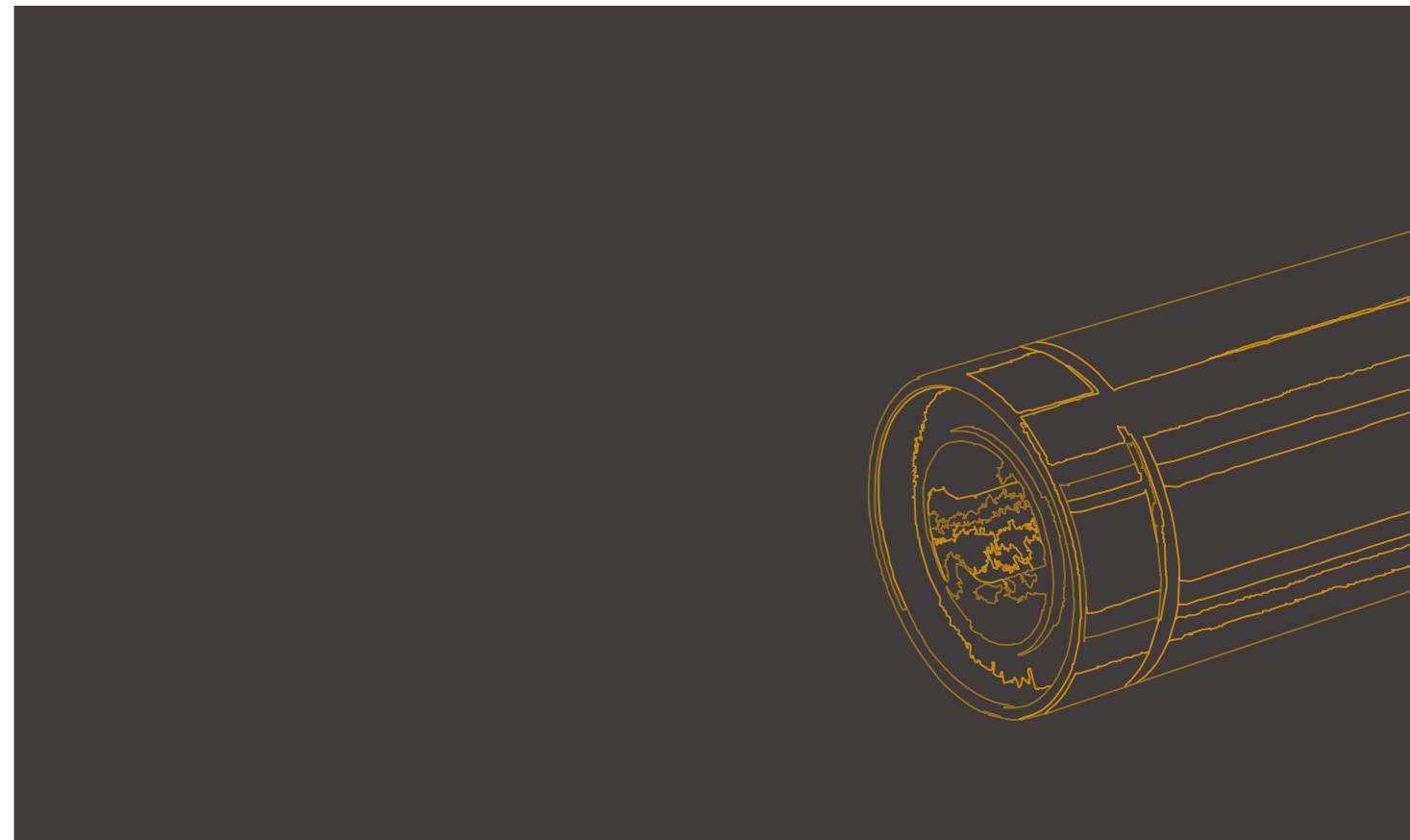


Linear Motion Ball Bearing

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直线轴承系列 Linear Motion Ball Bearing

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P.07 LM
P.11 LME
P.19 LMB



标准型

P.09 LM···GA
P.13 LME···GA



间隙调整型

P.07 LM-AJ
P.11 LME-AJ
P.19 LMB-AJ



间隙调整型

P.09 LM···GA-AJ
P.13 LME···GA-AJ



开口型

P.07 LM-OP
P.11 LME-OP
P.19 LMB-OP



开口型

P.09 LM···GA-OP
P.13 LME···GA-OP



加长型

P.15 LM···L
P.16 LME···L
P.21 LMB···L



行程轴承 Stroke Bearing

行程轴承

P.23 ST
P.24 ST···B



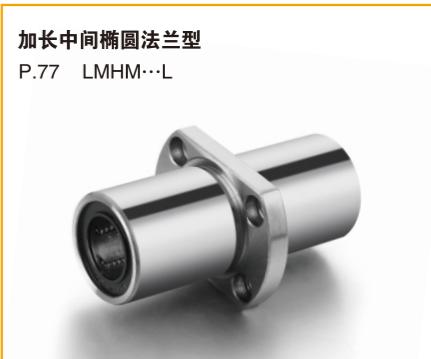
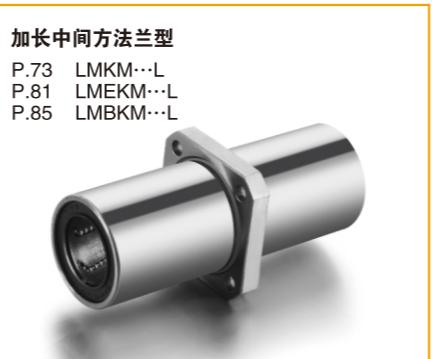
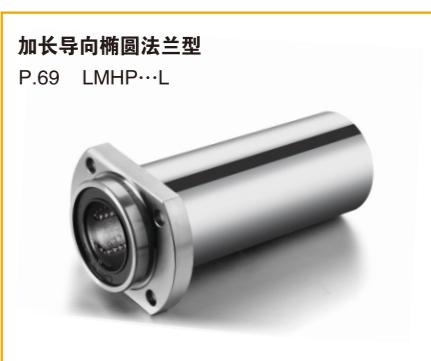
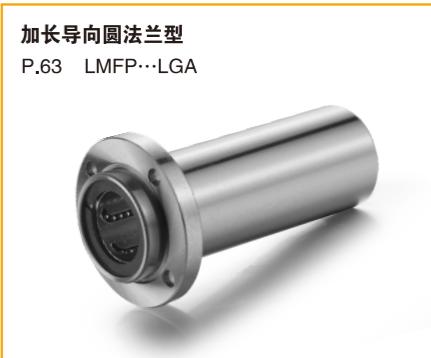
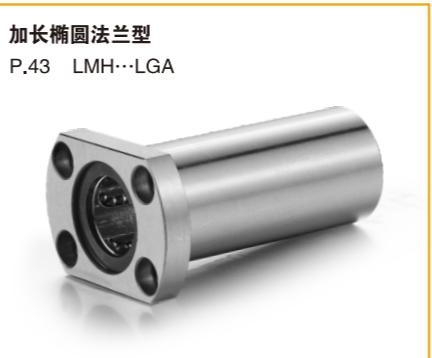
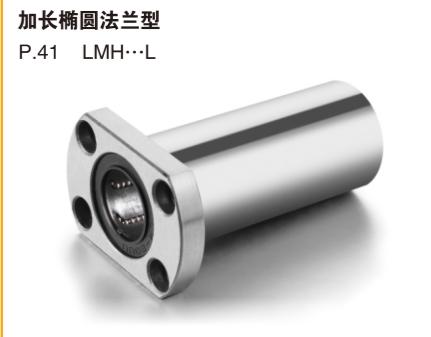
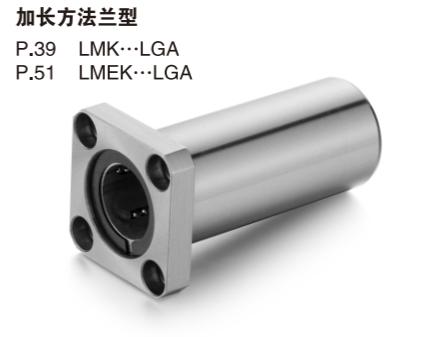
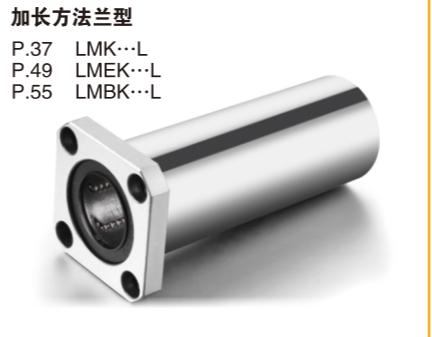
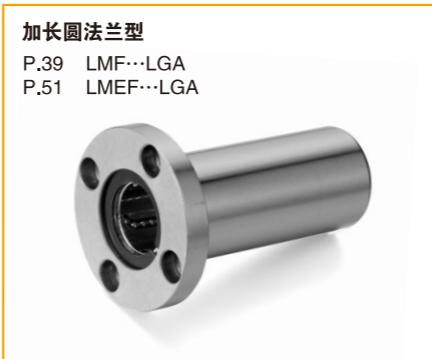
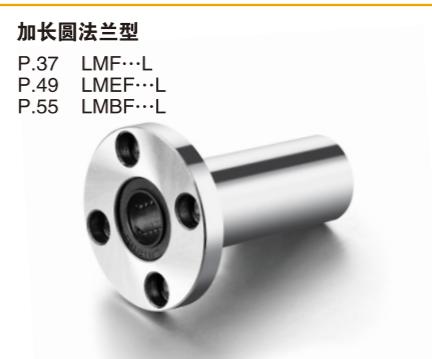
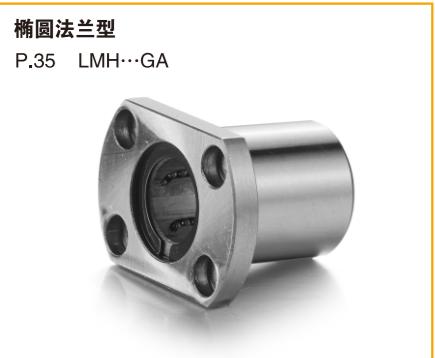
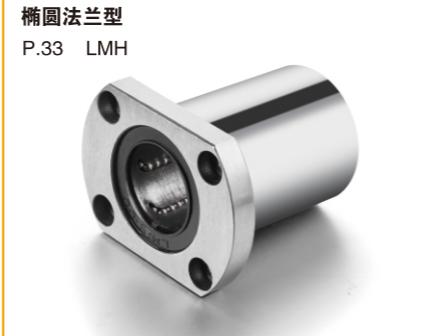
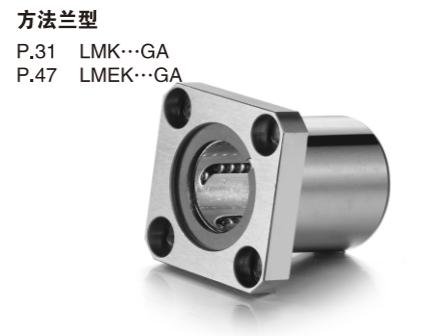
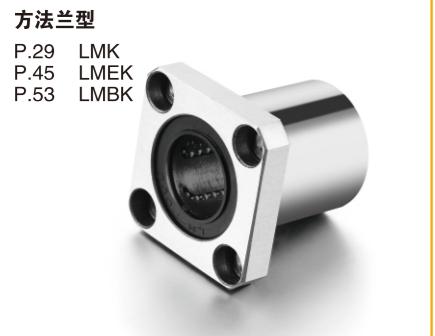
冲压外圈型 Pressing Bush Bearing

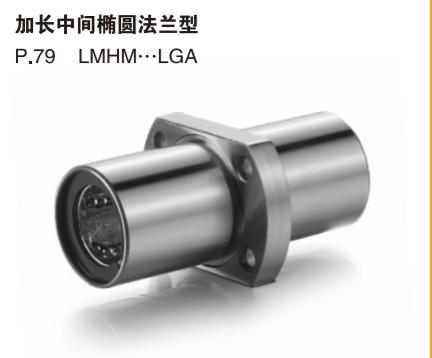
冲压外圈型

P.25 KH



法兰式 直线轴承 Flanged Linear Motion Ball Bearing

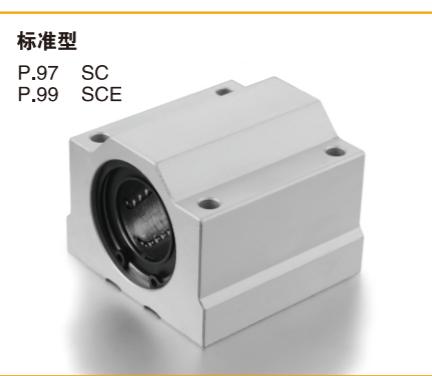




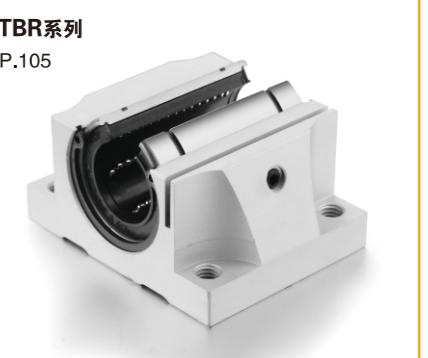
法兰型行程轴承 Flanged Stroke Bearing



直线轴承 箱式单元 Linear Motion Ball Bearing Slide Units



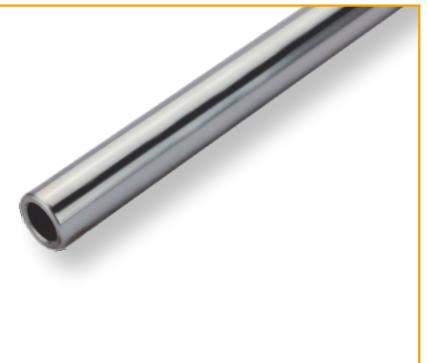
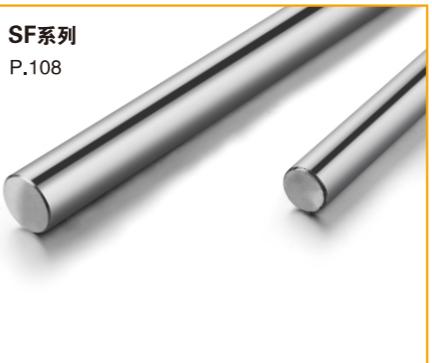
支撑导轨单元 Support Rail Units



轴支座 Shaft Support



轴 Shafts



直线轴承

Linear Motion Ball Bearing

结构和优点

Structure and Features

- 直线轴承由外圈、钢球、保持架和挡圈组成。保持架能将钢球约束在循环轨道中，挡圈将保持架固定在外圈中。
- 这些零件组装在一起便使轴承具有最佳的功能。
- 外圈经热处理后，有足够的硬度，从而保证其足够的行走寿命和满意的承载能力。
- 保持架用钢或尼龙制作。用户可根据使用条件从中选择。
- linear motion bearing consists of an outer cylinder, ball retainer, balls and two end rings. The ball retainer which holds the balls in the recirculating tracks in held inside the outer cylinder by end rings.

1. 高精度和刚性 High Precision and Rigidity

直线轴承外圈是钢制的坚固的外圆柱型，保持架为轧制钢板或具有工业强度的尼龙制成。

linear motion bearing is produced from a solid steel outer cylinder. Also the linear motion bearing incorporates either a patented all steel hardend seamless ball retainer or an industrial strength resin ratainen.

2. 易于安装 Ease of Assembly

普通型的直线轴承可以作任何方向安装，仅使用轴为支撑便可精确地工作。安装表面也易于加工。提供能安装各种类型直线轴承的各种各样的轴承座，给设计和安装提供了方便。

The standard type of linear motion bearing can be loaded from any direction. Precision control is possible using only the shaft supporter, and the mounting surface can be machined easily. also provides a variety of housings for all types of slide bushings, offering convenience of design and assembly.

- Those parts are assembled to optimize their required functions.
- The outer cylinder is maintained sufficient hardness by heat treatment, therefore it ensures the bushings projected travel life and satisfactory durability.
- The ball retainer is made from steel or resin. The steel retainer has high rigidity obtained by heat treatment. The user can select the optimum type for meeting the users service conditions.

3. 易于更换 Ease of Replacement

由于直线轴承尺寸标准化和高的加工精度，故每一套轴承都具有互换性，由于磨损和损坏而需更换轴承是很方便的。

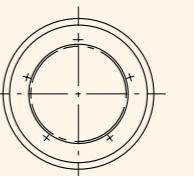
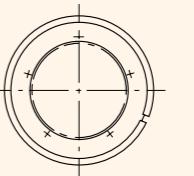
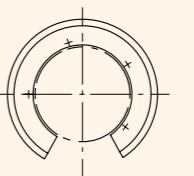
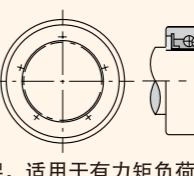
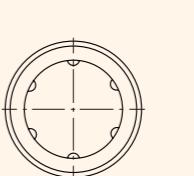
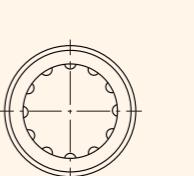
linear motion bearing of each type are completely interchangeable because of their standardized dimensions and strict precision control. Replacement because of wear or damage is therefore easy and accurate.

4. 品种齐全 Variety of Types

直线轴承型号齐全，有普通型、间隙调整型、开口型、加长型和带法兰型，用户可以根据需要从中选择。

offers a full line of linear motion bearing: the standard, integral single-retainer closed type, the clearance adjustable type and the open, double-retainer, and flanged types. The user can choose from among these according to the application requirements to be met.

直线轴承的类型 Type of Linear Motion Ball Bearings

类型 Type	结构 Description	材料 Material	
		外圈 Outer cylinder	保持架 Retainer
标准型 Standard Type		 封闭外圈型 Closed type outside cylinder	钢 Steel 钢 Steel
间隙调整型 Adjustable Type		 外径带开缝，可以调整间隙 This type has a slot in the outside cylinder. This design allows for clearance adjustment.	钢 Steel 尼龙 Resin
开口型 Open Type		 切掉一组循环槽，使导轨支撑可以通过 One ball circuit is removed to allow an opening slot to fit over rail supports.	钢 Steel 尼龙 Resin
加长型 Double-Wide Type		 有两个保持架，适用于有力矩负荷场合 This type has two retainers in the outside cylinder. This structure is useful when momentloads are applied to the slide bush.	钢 Steel 尼龙 Resin
冲压外圈型 Pressing Outer Race Type		 外圈是冲压的 Outer race is pressing	钢 Steel 尼龙 Resin
行程轴承 Stroke Bearing		 封闭外圈型 Closed type outside cylinder	钢 Steel 铝 Aluminum

直线轴承的代号 Type Number Format

	LM	25	L	A	UU	AJ
类型 Type						
LM	公制，亚洲应用广泛 Metric dimension series most widely used in Asia					
LME	公制，主要是欧洲使用 Metric dimension series generally used in Europe					
LMB	英制，主要是美洲使用 Inch dimension series used mainly in America					
公称轴径 Nominal Shaft Diameter						
加长 Double type						
符号 Symbol	代表意义 Specification					
不标 No entry	标准型 Standard type					
L	加长型 Double type					
A 镀镍 Nickle plated						
The						
符号 Symbol	代表意义 Specification					
不标 No entry	标准型 Standard type					
U	单密封 Seals on one side					
UU	双密封 Seals on both sides					

公差 Tolerance

- 直线轴承有普通型和精密型两种，在样本中有标明。需要说明的是对于间隙调整型（…AJ）和开口型（…OP）的钢球总体内径和外径的公差是在切口之前测量的。

linear motion ball bearing are divided into high class and precision class, indicated in the dimension tables. Note that precision of inscribed circle diameters and outside diameters for the clearance adjustable type (…AJ) and the open type (…OP) indicates the value obtained before the corresponding type is subjected to cutting process.

额度负荷和寿命估算 Load Rating and Life Expectancy

- 直线轴承的额定寿命可以根据轴承的额定动负荷和工作负荷利用下式计算出：
- The rated life (L) of a slide bush can be obtained from the following equation with the basic dynamic load rating and the load applied to the slide bush:

$$L = \left(\frac{f_H \cdot f_T \cdot f_C}{f_W} \cdot \frac{C}{P} \right)^3 \cdot 50 \quad (1)$$

L: 额定寿命 Rated life (km)
f_H: 硬度系数 Hardness factor
c: 基本额定动负荷 Basic dynamic load rating (N)
P: 工作负荷 Working load (N)
f_W: 负荷系数 Load coefficient

- 直线轴承的时间寿命可以根据每分钟行走距离进行计算。
- 如果行程长度、往复次数恒定，则时间寿命可用下式计算出。
- The lifespan (L_h) of a slide bush in hours can be obtained by calculating the traveling distance per unit time.
- The lifespan can be obtained from the following equation if the stroke length and the number of strokes are constant:

$$L_h = \left(\frac{L \cdot 10^3}{2 \cdot \ell_s \cdot n_1 \cdot 60} \right) \quad (2)$$

ℓ_s : 行程长度 Stroke length(m)
 n_1 : 每分钟往复数 Number of strokes per minute(CPM)

钢球列数与额定负荷的关系 Relation between ball circuits and load rating

- 直线轴承的几组钢球在圆周上是均匀分布的，负荷在圆周上作用点的位置不同则轴承的额定负荷也不同。产品样本上的额定负荷是负荷正对着一组钢球时的数值。如果负荷是作用在二组球道正中间，则额定负荷会大一些，下表列出了不用球列数的额定负荷的各种情况：

表1 Table 1

作用位置 Row position	钢球列数 Number of rows	3	4	5	6	8
作用位置 Row position	3					
额定负荷 Load ratio	$Q_0/Q_1=1$	$Q_0/Q_1=1.414$	$Q_0/Q_1=1.463$	$Q_0/Q_1=1.280$	$Q_0/Q_1=1.115$	

- The linear motion ball bearing includes ball Circuits that are spaced equally and circumferentially. The load rating varies according to the loaded position on the circumference. The value in the dimension table indicates the load rating when the load is placed on top of one ball circuit. If the linearSlide bush is used with two ball circuits loaded uniformly, the load rating will be greater. The following table shows the values by the number of ball circuits in such cases:

计算实例 Sample Calculations

① 根据下列条件计算轴承额定寿命：
Obtaining the rated life L_h and lifespan L_h of the right slide bush used in the following conditions:

轴承型号 Slide bush: LM20

行程长度 Stroke length: 50mm

每分钟往复数 Number of strokes per minute: 50次/分(cpm)

每套轴承承受负荷 Load per bush: 490N

从产品样本中查得LM-20额定动负荷为882N，额定寿命用下式算出：

The basic dynamic load rating of the slide bush is 882N from the dimension table. From equation (1), therefore, the rated life L is obtained as follows:

$$L = \left(\frac{f_H \cdot f_T \cdot f_C}{f_W} \cdot \frac{C}{P} \right)^3 \cdot 50 \quad f_H = f_T = f_C = f_W = 1.0 \\ = \left(\frac{882}{490} \right)^3 \times 50 = 292\text{km}$$

根据式(2)，时间寿命计算如下：

From equation(2), the lifespan L_h is obtained as follows

$$L_h = \frac{L \times 10^3}{2 \times \ell_s \times n_1 \times 60} = \frac{292 \times 10^3}{2 \times 0.05 \times 50 \times 60} = 973\text{hr}$$

② 根据下列使用条件选择轴承：
Selecting the slide bush type satisfying the following conditions:

设备安装的直线轴承数量 Number of slide bushes used: 4套

行程长度 Stroke length: 1米 (m)

行走速度 Traveling speed: 10米/分钟 (m/min)

往复次数 Number of strokes per minute: 5次/分钟 (cpm)

时间寿命 Lifespan: 10,00小时, (hr)

总负荷 Total load: 980N

根据式(2)，行走寿命可以从时间寿命中换算出：

From equation(2), the traveling distance within the lifespan is obtained as follows:

$$L = 2 \times \ell_s \times n_1 \times 60 \times L_h = 6,000\text{km}$$

根据式(1)，额定动负荷计算如下：

From equation(1), the basic dynamic load rating is obtained as follows:

$$C = \sqrt[3]{\frac{L}{50}} \cdot \left(\frac{f_W}{f_H f_T f_C} \right) \cdot P = 1492\text{N}$$

假设使用二根轴，每根轴装二套直线轴承：

Assume the following with a pair of shafts each with two slide bushes:

$$f_C = 0.81, \quad f_W = f_T = f_H = 1$$

结果从样本中选LM30便可满足额定动负荷的要求。

As a result, LM30 is selected from the dimension table as the right slide bush type satisfying the value of C .

间隙和配合

Clearance and Fit

- 当一套标准型的直线轴承装到轴上时，间隙不合适会使轴承过早地破坏、失效或运行不平衡。调整型和开口型直线轴承装到可以控制外径尺寸的轴承座中，可以调整其间隙。然而过大的间隙调整会增加外圈的变形，影响精度和寿命。因此轴承与轴之间的间隙，外径与轴承座孔之间的间隙应根据使用条件来决定。表2为推荐的配合。
- When a standard-type linear slide bush is used with a shaft, inadequate clearance adjustment may cause early bush failure and/or poor, rough traveling. The clearance adjustable slide bush and open

表2 Table 2

模型 Model	类别 Division	轴 Shaft		轴承座 Housing	
		一般配合 Normal fit	紧配合 Transitional fit	较松配合 Loose fit	较紧配合 Tight fit
LM	High class	g6	h6	H7	J7
LMB	Precision class	g5	h5	H6	J6
LME	High class	h6	j6	H7	J7

注：间隙可以为零，也可以为负值，请注意运行情况 Note: The clearance may be zero or negative, Please attention the movement

轴和轴承座

Shaft and Housing

- 为了使直线轴承发挥最佳的性能，必须使用高精度的轴和轴承座。
- To optimize performance of the slide bush, high precision of the shaft and housing is required.

1. 轴Shaft

直线轴承的钢球与轴的表面是点接触，因此轴的尺寸、公差、表面粗糙度和硬度极大的影响轴承运作性能，轴的生产应注意以下几点：The rolling balls in the linear slide bush are in point contact with the shaft surface. Therefore, the shaft dimensions, tolerance, surface finish, and harness greatly affect the traveling performance of the bush. The shaft should be manufactured with due attention to the following points:

- 因为表面粗糙度极大的影响运作的平稳性，因此轴表面粗糙度应达到Ra0.4或更好。Since the surface finish critically affects smooth rolling of balls, grind the shaft at 0.4 S or better.
- 最佳硬度是HRc 60~64，硬度低于HRc 60 会明显地降低寿命，故而降低了承载能力。另一方面，硬度超过HRc 64，会加速轴承钢球的磨损。The best hardness of the shaft is HRC 60 to 64. Hardness less than HRC 60 decreases the life considerably, and hence reduces the permissible load. On the other hand, harness over HRc 64 accelerates ball wear.
- 对间隙调整型和开口型直线轴承，其轴的直径应尽可能地低于产品样

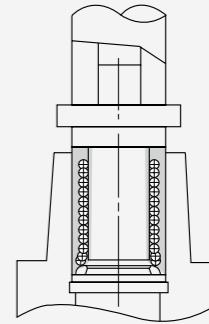
slide bush can be clearance adjusted when assembled in the housing which can control the outside cylinder diameter. However, too much clearance adjustment increases the deformation of the outside cylinder, to affect its precision and life. Therefore, the appropriate clearance between the bush and shaft, and clearance between the bush and housing are required according to the application. Table 2 shows recommended fit of the bush:

安装

Mounting

- 将直线轴承安装到轴承座孔中，不要敲打两端的挡圈(密封圈)，而是用手将其推入或轻轻地敲打(见图1)。轴承安装到轴承座中之后再仔细地将光轴插入，注意不要碰撞钢球。如果同时使用二根平行的轴，则轴的平行度对保证轴承的平稳运行是非常重要的，一定要仔细地安装。
- When inserting the slide bush into the housing, do not hit the slide bush on the side ring holding the retainer but apply the cylinder circumference with a proper jig and push the slide bush into the housing by hand or lightly knock it in. (See Fig. 1) In inserting the shaft after mounting the bush, be careful not to shock the balls. Note that if two shafts are used in parallel, the parallelism is the most important factor to assure the smooth linear movement. Take care in setting the shafts.

Fig.1



安装实例

Examples of Mounting

- 通常的安装方法是将轴承推入座孔时阻力要适宜，然而我们建议尽量采用较松的配合，否则轴承的精度会下降。
- 图2~图6介绍了几种安装结构和固定方法供参考。
- The popular way to mount a slide bush is to operate it with an

appropriate interference. It is recommended, however, to make a loose fit in principle because otherwise precision is apt to be minimized. The following examples (Fig. 2 to 6) show assembling of the inserted bush in terms of designing and mounting, for reference.

Fig.2

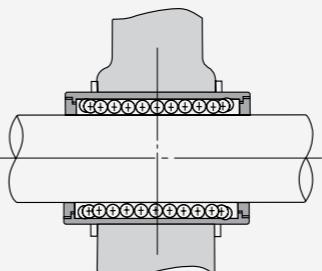


Fig.3

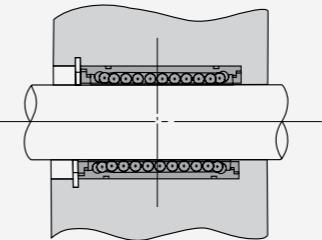


Fig.4

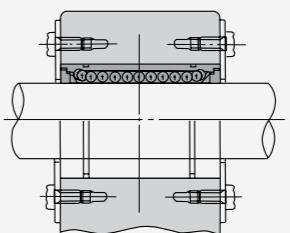


Fig.5

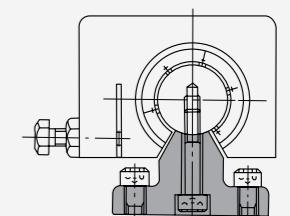
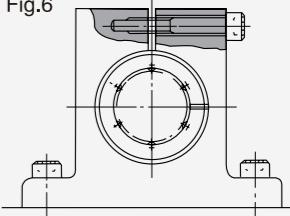


Fig.6



LM...UU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LM...UU (Resin retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



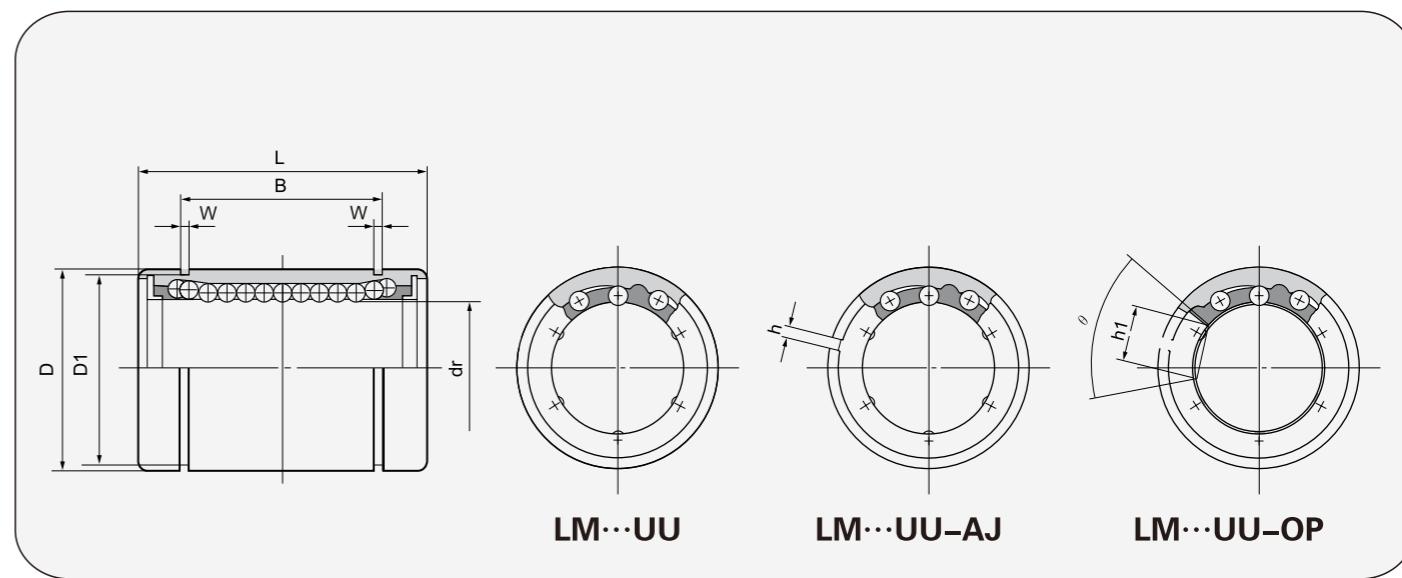
LM...UU



LM...UU-AJ



LM...UU-OP



公称轴径 Nominal shaft diameter mm	尼龙保持架 Resin retainer								dr			
	标准型 LM...UU	钢球列数 Ball circuit	重量 Weight (g)	间隙调整型 LM...UU-AJ	钢球列数 Ball circuit	重量 Weight (g)	开口型 LM...UU-OP	钢球列数 Ball circuit	重量 Weight (g)	mm	公差 Tolerance μm	
											Precision	普通 High
3	LM3	4	1.35	—	—	—	—	—	—	3	0	0
4	LM4	4	1.9	—	—	—	—	—	—	4	-5	-8
5	LM5UU	4	4	—	—	—	—	—	—	5		
6	LM6UU	4	7.6	LM6UU-AJ	4	7.5	—	—	—	6		
8	LM8SUU	4	10.4	LM8SUU-AJ	4	10	—	—	—	8		
8	LM8UU	4	15	LM8UU-AJ	4	14.7	—	—	—	8		
10	LM10UU	4	29.5	LM10UU-AJ	4	29	LM10UU-OP	3	23	10	-6	-9
12	LM12UU	4	31.5	LM12UU-AJ	4	31	LM12UU-OP	3	25	12		
13	LM13UU	4	43	LM13UU-AJ	4	42	LM13UU-OP	3	34	13		
16	LM16UU	5	69	LM16UU-AJ	5	68	LM16UU-OP	4	52	16		
20	LM20UU	5	87	LM20UU-AJ	5	85	LM20UU-OP	4	69	20		
25	LM25UU	6	220	LM25UU-AJ	6	216	LM25UU-OP	5	188	25	-7	-10
30	LM30UU	6	250	LM30UU-AJ	6	245	LM30UU-OP	5	210	30		
35	LM35UU	6	390	LM35UU-AJ	6	384	LM35UU-OP	5	335	35		
40	LM40UU	6	585	LM40UU-AJ	6	579	LM40UU-OP	5	500	40	-8	-12
50	LM50UU	6	1,580	LM50UU-AJ	6	1,560	LM50UU-OP	5	1,340	50		
60	LM60UU	6	1,860	LM60UU-AJ	6	1,820	LM60UU-OP	5	1,610	60	0	0
80	LM80UU	6	4,420	LM80UU-AJ	6	4,300	LM80UU-OP	5	3,650	80	-9	-15
100	LM100UU	6	8,600	LM100UU-AJ	6	8,540	LM100UU-OP	5	7,200	100	0	0
120	LM120UU	8	15,000	LM120UU-AJ	8	14,900	LM120UU-OP	6	11,600	120	-10	-20
150	LM150UU	8	20,250	LM150UU-AJ	8	20,150	LM150UU-OP	6	15,700	150	-13	-25
180	LM180UU	8	33,945	LM180UU-AJ	8	33,795	LM180UU-OP	6	29,702	180	0	0
200	LM200UU	8	42,360	LM200UU-AJ	8	42,180	LM200UU-OP	6	37,065	200	-19	-30

密封型 Seal type:

不标	不带密封	No entry	No seals
U	单密封	U	Seal on one side
UU	双密封	UU	Seal on both sides

A 镀镍

No entry	No seals
U	Seal on one side
UU	Seal on both sides

A Nickle plated

注: 小尺寸 (3和4mm内径) 无密封。
Note: Smaller sizes (3 and 4mm I.D.) are non-seal type only.

国际单位: 1N≈0.102kgf
SI UNIT: 1N≈0.102kgf

LM…GA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LM…GA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



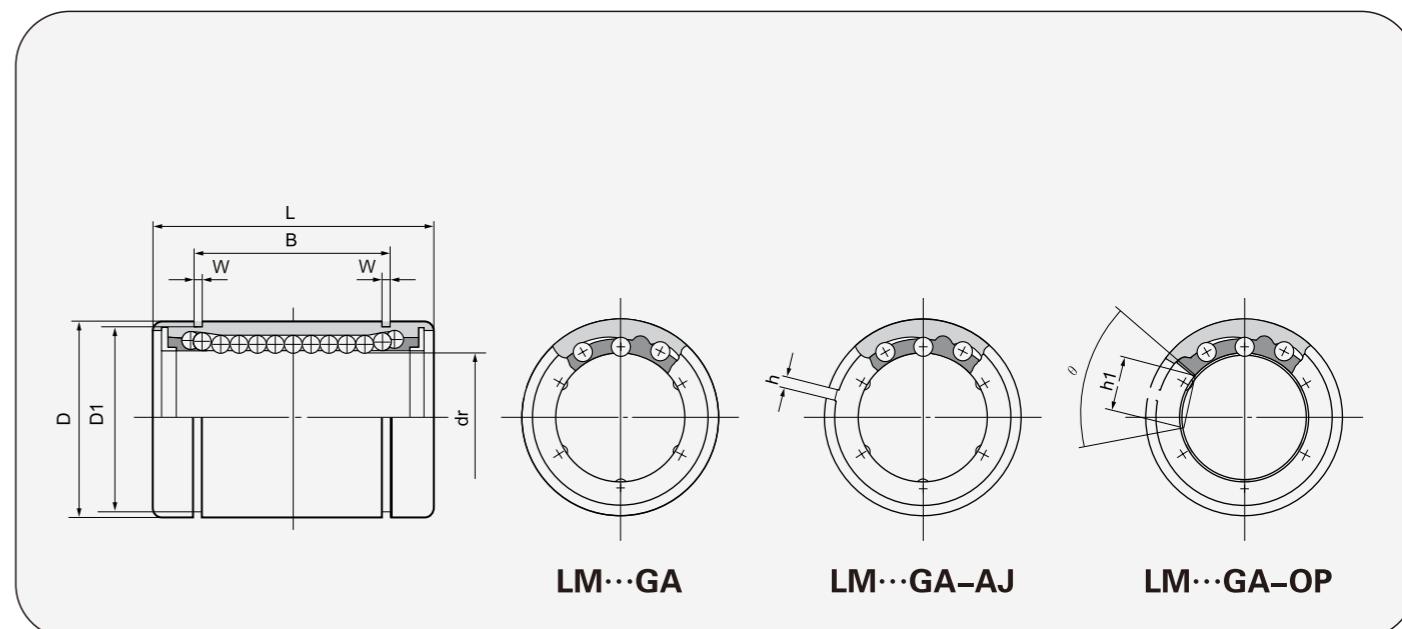
LM…GA



LM…GA-AJ



LM…GA-OP



公称轴径 Nominal shaft diameter mm	铝合金保持架 Zinc alloy retainer								dr		
	标准型 LM…GA	钢球列数 Ball circuit	重量 Weight (g)	间隙调整型 LM…GA-AJ	钢球列数 Ball circuit	重量 Weight (g)	开口型 LM…GA-OP	钢球列数 Ball circuit	重量 Weight (g)	mm	公差 Tolerance μm
										Precision	High
5	LM5GA	4	5.5	—	—	—	—	—	5	0 -5	0 -8
6	LM6GA	4	8.9	LM6GA-AJ	4	8.8	—	—	6		
8	LM8GA	4	17.3	LM8GA-AJ	4	17	—	—	8		
10	LM10GA	4	32	LM10GA-AJ	4	31.5	LM10GA-OP	3	24	10	0 -6
12	LM12GA	4	36.7	LM12GA-AJ	4	36.2	LM12GA-OP	3	27.5	12	0 -9
13	LM13GA	4	50	LM13GA-AJ	4	49	LM13GA-OP	3	37.5	13	
16	LM16GA	5	86	LM16GA-AJ	5	85	LM16GA-OP	4	68.8	16	
20	LM20GA	5	112	LM20GA-AJ	5	110	LM20GA-OP	4	89.6	20	
25	LM25GA	6	282	LM25GA-AJ	6	278	LM25GA-OP	5	235	25	0 -7
30	LM30GA	6	326	LM30GA-AJ	6	321	LM30GA-OP	5	271.7	30	0 -10
35	LM35GA	6	489	LM35GA-AJ	6	483	LM35GA-OP	5	407.5	35	
40	LM40GA	6	730	LM40GA-AJ	6	724	LM40GA-OP	5	608.3	40	0 -8
50	LM50GA	6	1,580	LM50GA-AJ	6	1,560	LM50GA-OP	5	1,340	50	0 -12
60	LM60GA	6	1,860	LM60GA-AJ	6	1,820	LM60GA-OP	5	1,610	60	0 -9
80	LM80GA	6	4,420	LM80GA-AJ	6	4,300	LM80GA-OP	5	3,650	80	0 -15
100	LM100GA	6	8,600	LM100GA-AJ	6	8,540	LM100GA-OP	5	7,200	100	0 -10
										0 -20	

LM20 A GA		A 镀镍	A Nickel plated
5~8	合金钢保持架	5~8	Alloy steel retainer
10~13	锌合金保持架	10~13	Zinc alloy retainer
16~100	冷冲压钢保持架	16~100	Cold-formed steel retainer

D mm	主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm		最大径向间隙 Radial clearance (Max) μm	额定负荷 Basic load rating
	L mm	B mm	W mm	D ₁ mm	h mm	h ₁ mm	Θ	Precision	普通 High			
10	0 -9	15	0 -120	10.2				1.1	9.6	—	—	4 8
12	0 -11	19		13.5				1.1	11.5	1	—	— -3
15		24		17.5				1.1	14.3	1	—	— 274 392
19		29		22				1.3	18	1	6.8	80° 8 12
21	0 -13	30	0 -200	23				1.3	20	1.5	8	80° -4
23		32		23				1.3	22	1.5	9	80° 510 784
28		37		26.5				1.6	27	1.5	11	80° 774 1,180
32		42		30.5				1.6	30.5	1.5	11	60° -6 882 1,370
40	0 -16	59		41				1.85	38	2	12	50° 10 15
45		64		44.5				1.85	43	2.5	15	50° -8 1,570 2,740
52		70	0 -300	49.5				2.1	49	2.5	17	50° -10 1,670 3,140
60	0 -19	80	0 -300	60.5				2.1	57	3	20	50° -13 2,160 4,020
80		100		74				2.6	76.5	3	25	50° -13 3,820 7,940
90	0 -22	110		85				3.15	86.5	3	30	50° 25 4,700 10,000
120	-22	140	0 -400	105.5				4.15	116	3	40	50° -20 7,350 16,000
150	0 -25	175	0 -400	125.5				4.15	145	3	50	50° 20 14,100 34,800

国际单位：1N≈0.102kgf
SI UNIT: 1N≈0.102kgf

LME…UU 尼龙保持架

该类型尺寸是公制的，广泛应用于欧洲。

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LME…UU (Resin retainer)

This type is a metric dimension series generally used in Europe.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



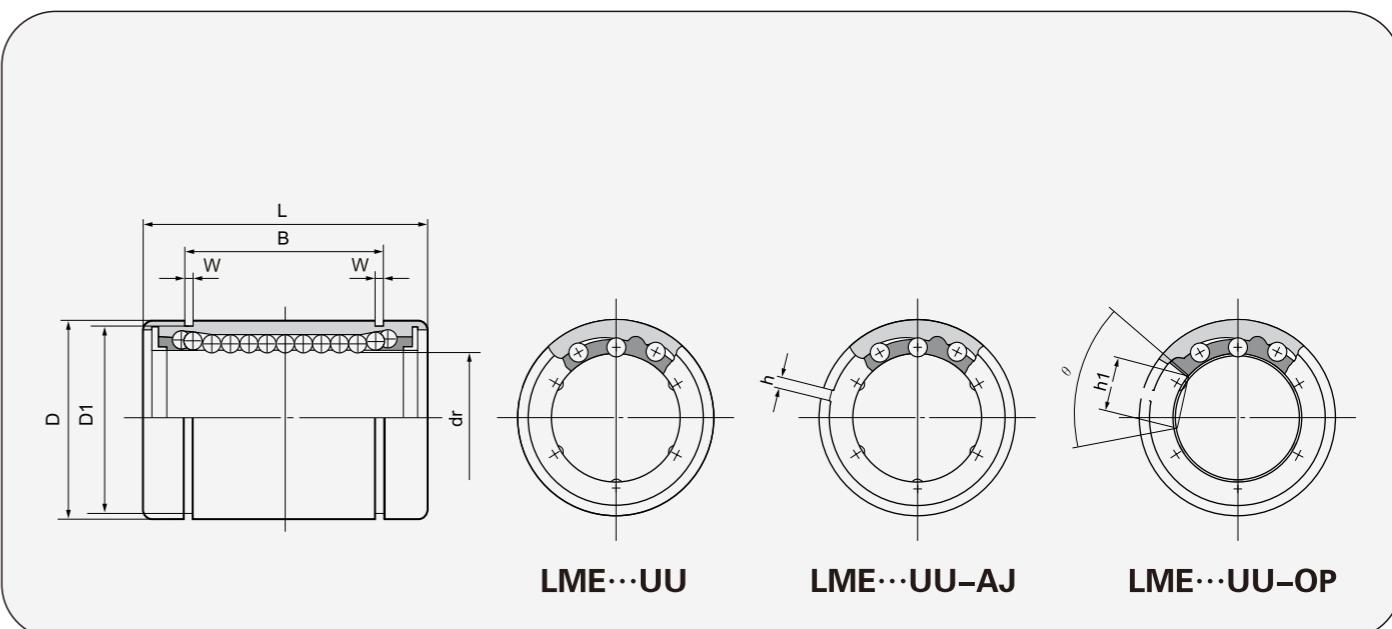
LME…UU



LME…UU-AJ



LME…UU-OP



公称轴径 Nominal shaft diameter mm	尼龙保持架 Resin retainer								dr		
	标准型 LME…UU	钢球列数 Ball circuit	重量 Weight (g)	间隙调整型 LME…UU-AJ	钢球列数 Ball circuit	重量 Weight (g)	开口型 LME…UU-OP	钢球列数 Ball circuit	重量 Weight (g)	mm	公差 Tolerance μm
3	LME3	4	1.35	—	—	—	—	—	3	—	+8
4	LME4	4	1.9	—	—	—	—	—	4	—	0
5	LME5UU	4	11	LME5UU-AJ	4	10	—	—	5	—	+8
8	LME8UU	4	20	LME8UU-AJ	4	19.5	—	—	8	—	0
10	LME10UU	4	29.5	LME10UU-AJ	4	29	LME10UU-OP	3	23	10	—
12	LME12UU	4	41	LME12UU-AJ	4	40	LME12UU-OP	3	32	12	—
16	LME16UU	5	57	LME16UU-AJ	5	56	LME16UU-OP	4	44	16	—
20	LME20UU	5	91	LME20UU-AJ	5	90	LME20UU-OP	4	75	20	—
25	LME25UU	6	215	LME25UU-AJ	6	212	LME25UU-OP	5	181	25	—
30	LME30UU	6	325	LME30UU-AJ	6	320	LME30UU-OP	5	272	30	+11
40	LME40UU	6	705	LME40UU-AJ	6	694	LME40UU-OP	5	600	40	-1
50	LME50UU	6	1,130	LME50UU-AJ	6	1,110	LME50UU-OP	5	970	50	+13
60	LME60UU	6	2,050	LME60UU-AJ	6	2,000	LME60UU-OP	5	1,580	60	-2
80	LME80UU	6	5,140	LME80UU-AJ	6	5,000	LME80UU-OP	5	4,380	80	+16

密封型 Seal type: LME20 A UU	不标	不带密封	No entry	No seals
	U	单密封	U	Seal on one side
	UU	双密封	UU	Seal on both sides
A 镀镍		A	Nickel plated	

注：小尺寸（3和4mm内径）无密封。
Note: Smaller sizes (3 and 4mm I.D.) are non-seal type only.

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	最大 径向间隙 Radial clearance (Max) μm	额定负荷 Basic load rating				
D		L		B		W	D ₁	h	h ₁	θ	动负荷 Dynamic C N	静负荷 Static Co N		
7	—	10	0	—	—	—	—	—	—	—	10	69	105	
8	0	12	-120	—	—	—	—	—	—	—	-3	88	127	
12	-8	22	14.5	—	—	1.1	11.5	1	—	—	—	206	265	
16	—	25	16.5	—	—	1.1	15.2	1	—	—	—	265	402	
19	—	29	22	—	—	1.3	18	1	6.8	80°	12	372	549	
22	-9	32	22.9	-200	22.9	1.3	21	1.5	7.5	78°	-4	510	784	
26	—	36	24.9	—	—	1.3	24.9	1.5	10	78°	—	578	892	
32	—	45	31.5	—	—	1.6	30.3	2	10	60°	-6	862	1,370	
40	0	58	44.1	—	—	1.85	37.5	2	12.5	60°	15	980	1,570	
47	—	68	52.1	—	—	1.85	44.5	2	12.5	50°	—	1,570	2,740	
62	0	80	60.6	-300	60.6	2.15	59	3	16.8	50°	17	2,160	4,020	
75	-13	100	77.6	—	—	2.65	72	3	21	50°	—	3,820	7,940	
90	0	125	101.7	0	101.7	3.15	86.5	3	27.2	54°	20	4,700	9,800	
120	-19	165	133.7	-400	133.7	4.15	116	3	36.3	54°	25	-20	7,350	16,000

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LME…GA 耐高温保持架

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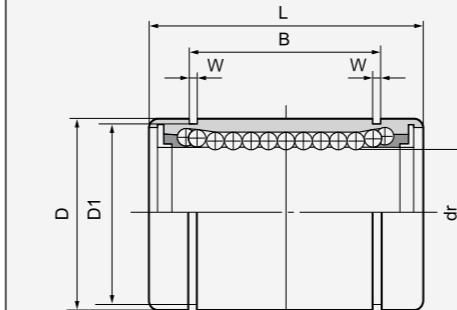
LME…GA



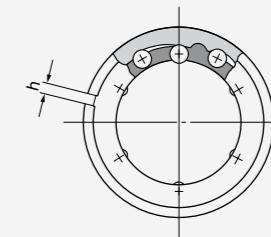
LME…GA-AJ



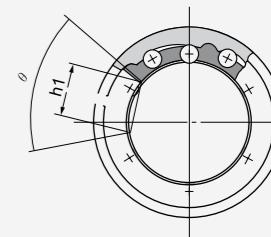
LME…GA-OP



LME…GA



LME…GA-AJ



LME…GA-OP

公称轴径 Nominal shaft diameter mm	尼龙保持架 Resin retainer								dr		
	标准型 LME…GA	钢球列数 Ball circuit	重量 Weight (g)	间隙调整型 LME…GA-AJ	钢球列数 Ball circuit	重量 Weight (g)	开口型 LME…GA-OP	钢球列数 Ball circuit	重量 Weight (g)	mm	公差 Tolerance μm
									Precision	High	
8	LME8GA	4	25.2	LME8GA-AJ	4	24.7	—	—	8	+8 0	
10	LME10GA	4	32	LME10GA-AJ	4	31.5	LME10GA-OP	3	26.7	10	—
12	LME12GA	4	52.9	LME12GA-AJ	4	51.9	LME12GA-OP	3	39.7	12	+9 -1
16	LME16GA	5	73.5	LME16GA-AJ	5	72.5	LME16GA-OP	4	58.8	16	+11 -1
20	LME20GA	5	120.3	LME20GA-AJ	5	119.3	LME20GA-OP	4	96.2	20	+13 -2
25	LME25GA	6	271.9	LME25GA-AJ	6	268.9	LME25GA-OP	5	226.6	25	+16 -4
30	LME30GA	6	417.3	LME30GA-AJ	6	412.3	LME30GA-OP	5	347.8	30	—
40	LME40GA	6	894.1	LME40GA-AJ	6	883.1	LME40GA-OP	5	745.1	40	—
50	LME50GA	6	1,130	LME50GA-AJ	6	1,110	LME50GA-OP	5	970.0	50	—
60	LME60GA	6	2,050	LME60GA-AJ	6	2,000	LME60GA-OP	5	1,580	60	—
80	LME80GA	6	5,140	LME80GA-AJ	6	5,000	LME80GA-OP	5	4,380	80	—

A 镀镍		A Nickel plated	
8	合金钢保持架	8	Alloy steel retainer
10~12	锌合金保持架	10~12	Zinc alloy retainer
16~80	冷冲压钢保持架	16~80	Cold-formed steel retainer

主要尺寸和公差 Major dimensions and tolerance									偏心 Eccentricity μm	最大 径向间隙 Radial clearance (Max) μm	额定负荷 Basic load rating	
D		L		B		W	D ₁	h	h ₁	θ		
mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	mm	mm	mm	mm		
16	0 -8	25		16.5			1.1	15.2	1	—	—	-3
19	0	29		22			1.3	18	1	6.8	80°	372
22	0 -9	32	0 -200	22.9			1.3	21	1.5	7.5	78°	510
26		36		24.9			1.3	24.9	1.5	10	78°	578
32		45		31.5			1.6	30.3	2	10	60°	862
40	0 -11	58		44.1			1.85	37.5	2	12.5	60°	980
47		68	0	52.1			1.85	44.5	2	12.5	50°	1,570
62	0	80	0 -300	60.6			2.15	59	3	16.8	50°	2,160
75	0 -13	100		77.6			2.6	72	3	21	50°	3,820
90	0 -15	125	0 -400	101.7			3.15	86.5	3	27.2	54°	4,700
120	0 -19	165		133.7			4.15	116	3	36.3	54°	7,350

国际单位: 1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

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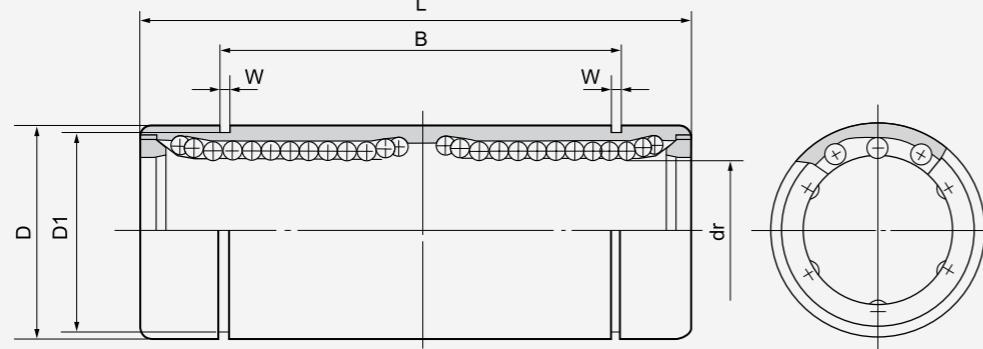
LM…LUU (Resin retainer)

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LM…LUU



LME…LUU尼龙保持架

该类型尺寸是公制的，广泛应用于欧洲。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

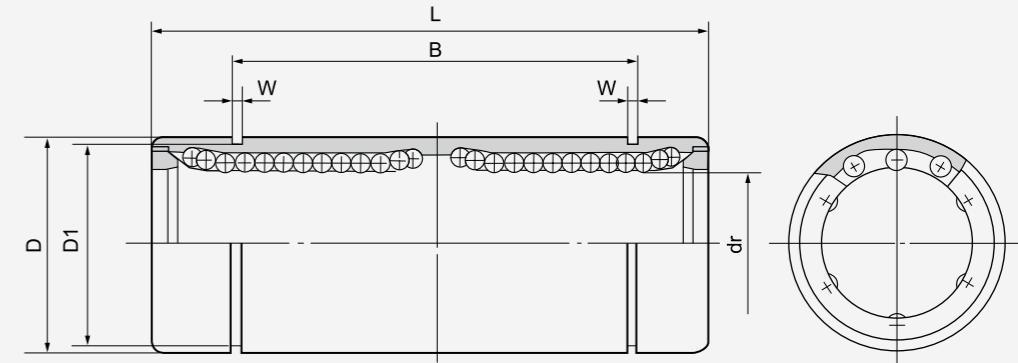
LME…LUU(Resin retainer)

This type is a metric dimension series generally used in Europe.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LME…LUU



公称轴径 Nominal shaft diameter mm	标准型 LM…LUU	钢球 列数 Ball circuit	主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	额定负荷 Basic load rating		重量 Weight (g)		
			dr		D		L		B	W	D1	动负荷 Dynamic C N	静负荷 Static Co N			
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm				mm	公差 Tolerance μm			
3	LM3LUU	4	3	0	7	19	—	—	—	—	—	138	210	3		
4	LM4LUU	4	4	-9	8	0	-11	23	0	-200	—	176	254	4		
5	LM5LUU	4	5		10	28		20.4	0	-200	1.1	9.6	265	412	8.4	
6	LM6LUU	4	6		12	0	35	27	1.1	11.5		323	530	16		
8	LM8LUU	4	8		15	45		35	1.1	14.3		431	784	31		
10	LM10LUU	4	10	0	19	55		44	0	1.3	18	15	588	1,100	62	
12	LM12LUU	4	12	-10	21	0	-300	57	46	-300	1.3	20	813	1,570	80	
13	LM13LUU	4	13		23	61		46	1.3	22		813	1,570	90		
16	LM16LUU	5	16		28	70		53	1.6	27		1,230	2,350	145		
20	LM20LUU	5	20	0	32	80		61	1.6	30.5		1,400	2,740	180		
25	LM25LUU	6	25	-12	40	0	-19	112	82		1.85	38	20	1,560	3,140	440
30	LM30LUU	6	30		45	123		89	1.85	43		2,490	5,490	480		
35	LM35LUU	6	35		52	135	0	99	0	2.1	49		2,650	6,270	795	
40	LM40LUU	6	40	0	-15	60	-22	151	121	-400	2.1	57	25	3,430	8,040	1,170
50	LM50LUU	6	50		80	192		148	2.6	76.5		6,080	15,900	3,100		
60	LM60LUU	6	60	0	90	0	209	170	3.15	86.5	30	7,550	20,000	3,500		
80	LM80LUU	6	80	-20	120	265		216	4.15	116		11,500	32,000	7,710		

密封型 Seal type:	不标	不带密封	No entry	No seals	
LM20 L A UU	U	单密封	U	Seal on one side	
	UU	双密封	UU	Seal on both sides	
A 镀镍		A Nickel plated			

国际单位: 1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

公称轴径 Nominal shaft diameter mm	标准型 LME…LUU	钢球 列数 Ball circuit	主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	额定负荷 Basic load rating		重量 Weight (g)		
			dr		D		L		B			W	D1	动负荷 Dynamic C N	静负荷 Static Co N	
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm		mm	公差 Tolerance μm	mm	公差 Tolerance μm	
8	LME8LUU	4	8	+9	16	0	46	33	1.1	15.2		421	804	40		
12	LME12LUU	4	12	-1	22	0	61	45.8	1.3	21	15	813	1,570	80		
16	LME16LUU	5	16	+11	26	-11	68	49.8	-300	1.3	24.9	921	1,780	115		
20	LME20LUU	5	20	-1	32	0	80	61	1.6	30.5		1,370	2,740	180		
25	LME25LUU	6	25	+13	40	-13	112	82	1.85	38	17	1,570	3,140	430		
30	LME30LUU	6	30	-2	47	0	123	104.2	1.85	44.5		2,500	5,490	615		
40	LME40LUU	6	40	+16	62	0	151	121.2	-400	2.15	59	20	3,430	8,040	1,400	
50	LME50LUU	6	50	-4	75	-15	192	155.2	2.65	72		6,080	15,900	2,320		
60	LME60LUU	6	60		90	0	209	170	3.15	86.5	25	7,550	20,000	3,920		
80	LME80LUU	6	80	+19	120	-20	265	216	4.15	116	30	11,500	32,000	7,710		

密封型 Seal type:	不标	不带密封	No entry	No seals	
LME20 L A UU	U	单密封	U	Seal on one side	
	UU	双密封	UU	Seal on both sides	
A 镀镍		A Nickel plated			

国际单位: 1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LM···LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

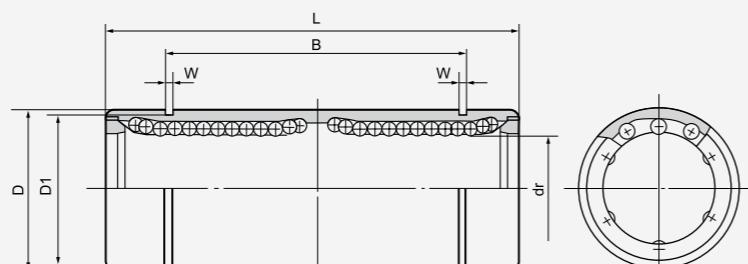
LM···LGA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



LM···LGA



LME···LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于欧洲。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

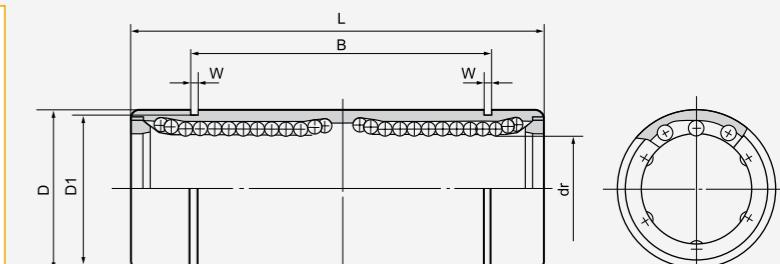
LME···LGA (High-temperature Resistant Retainer)

This type is a metric dimension series generally used in Europe.

All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



LME···LGA



公称轴径 Nominal shaft diameter mm	标准型 LM···LGA	钢球 列数 Ball circuit	主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	额定负荷 Basic load rating		重量 Weight (g)		
			dr		D		L		B	W	D1	动负荷 Dynamic C N	静负荷 Static Co N			
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm				mm	公差 Tolerance μm			
5	LM5LGA	4	5	0 -9	10	0 -11	28	0 -200	20.4	0 -200	1.1	9.6	12	265	412	11.4
6	LM6LGA	4	6		12	0	35		27		1.1	11.5		323	530	18.6
8	LM8LGA	4	8		15	-13	45		35		1.1	14.3		431	784	35.6
10	LM10LGA	4	10	0	19		55		44		1.3	18	15	588	1,100	67
12	LM12LGA	4	12		21	0	57	0 -300	46	0 -300	1.3	20		813	1,570	90.4
13	LM13LGA	4	13		23	-16	61		46		1.3	22		813	1,570	104
16	LM16LGA	5	16		28		70		53		1.6	27		1,230	2,350	179
20	LM20LGA	5	20		32	0	80		61		1.6	30.5		1,400	2,740	230
25	LM25LGA	6	25	0 -12	40	-19	112		82		1.85	38	20	1,560	3,140	564
30	LM30LGA	6	30		45		123		89		1.85	43		2,490	5,490	632
35	LM35LGA	6	35		52		135		99		2.1	49		2,650	6,270	993
40	LM40LGA	6	40	0 -15	60	0 -22	151	0 -400	121	0 -400	2.1	57	25	3,430	8,040	1,460
50	LM50LGA	6	50		80		192		148		2.6	76.5		6,080	15,900	3,100
60	LM60LGA	6	60	0	90	0	209		170		3.15	86.5	30	7,550	20,000	3,500
80	LM80LGA	6	80	-20	120	-25	265		216		4.15	116		11,500	32,000	7,710

LM20 L A GA		A 镀镍	A Nickle plated
5~8	合金钢保持架	5~8	Alloy steel retainer
10~13	锌合金保持架	10~13	Zinc alloy retainer
16~80	冷冲压钢保持架	16~80	Cold-formed steel retainer

国际单位：1N≈0.102kgf
SIUNIT：1N≈0.102kgf

公称轴径 Nominal shaft diameter mm	标准型 LME···LGA	钢球 列数 Ball circuit	主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	额定负荷 Basic load rating		重量 Weight (g)			
			dr		D		L		B			W	D1	动负荷 Dynamic C N	静负荷 Static Co N		
mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm		mm	公差 Tolerance μm	mm	公差 Tolerance μm		
8	LME8LGA	4	8	+9 -1	16	0 -9	46		33			1.1	15.2		421	804	50.4
12	LME12LGA	4	12	0	22	0 -11	61	0	45.8	0		1.3	21	15	813	1,570	103.8
16	LME16LGA	5	16	+11 -1	26	0 -11	68	-300	49.8	-300		1.3	24.9		921	1,780	148
20	LME20LGA	5	20	0	32		80		61			1.6	30.5		1,370	2,740	238.6
25	LME25LGA	6	25	+13 -2	40	0 -13	112		82			1.85	38	17	1,570	3,140	543.8
30	LME30LGA	6	30	0	47		123		104.2			1.85	44.5		2,500	5,490	799.6
40	LME40LGA	6	40	0	62	0 -15	151	0	121.2	0		2.15	59	20	3,430	8,040	1,778
50	LME50LGA	6	50	+16 -4	75	0 -15	192	-400	155.2	-400		2.65	72		6,080	15,900	2,320
60	LME60LGA	6	60	0	90	0 -20	209		170			3.15	86.5	25	7,550	20,000	3,920
80	LME80LGA	6	80	+19 -6	120	0 -20	265		216			4.15	116	30	11,500	32,000	7,710

LME20 L A GA		A 镀镍	A Nickle plated
8	合金钢保持架	8	Alloy steel retainer
12	锌合金保持架	12	Zinc alloy retainer
16~80	冷冲压钢保持架	16~80	Cold-formed steel retainer

国际单位：1N≈0.102kgf
SIUNIT：1N≈0.102kgf

LMB…UU 尼龙保持架

该类型尺寸是英制的，主要是美洲采用。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMB…UU (Resin retainer)

This type is an inch dimension series mainly used in the America.

All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



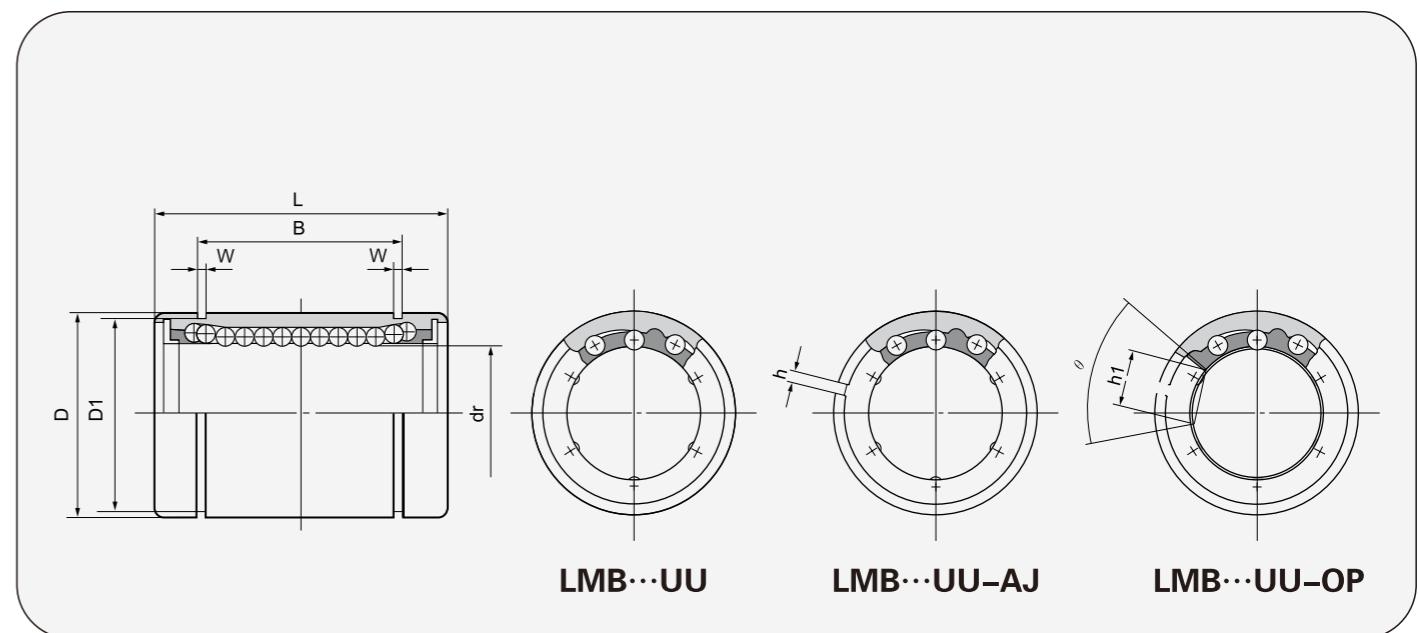
LMB…UU



LMB…UU-AJ



LMB…UU-OP



LMB…UU

LMB…UU-AJ

LMB…UU-OP

公称轴径 Nominal shaft diameter Inch/mm	尼龙保持架 Resin retainer								dr				主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity Inch/ μ m		最大 径向间隙 Radial clearance (Max) Inch/ μ m	额定负荷 Basic load rating		
	标准型 LMB…UU	钢球列数 Ball circuit	重量 Weight (g)	间隙调整型 LMB…UU-AJ	钢球列数 Ball circuit	重量 Weight (g)	开口型 LMB…UU-OP	钢球列数 Ball circuit	重量 Weight (g)	Inch mm	公差 Tolerance Inch/ μ m		精密 Precision	普通 High	D	L	B	W	D ₁	h	h ₁	θ	精密 Precision	普通 High		
											精密 Precision	普通 High														
1/4 6.350	LMB4	4	8.0	LMB4-AJ	4	7.5	—	—	—	.2500 6.350																
3/8 9.525	LMB6UU	4	14	LMB6UU-AJ	4	13.5	—	—	—	.3750 9.525	0 -.00025	0 -.00040														
1/2 12.700	LMB8UU	4	37	LMB8UU-AJ	4	36.5	LMB8UU-OP	3	28	.5000 12.700	0 -6	0 -9														
5/8 15.875	LMB10UU	4	76	LMB10UU-AJ	4	74	LMB10UU-OP	3	57	.6250 15.875																
3/4 19.050	LMB12UU	5	95	LMB12UU-AJ	5	93	LMB12UU-OP	4	76	.7500 19.050	0 -.00030	0 -.00040														
1 25.400	LMB16UU	6	200	LMB16UU-AJ	6	198	LMB16UU-OP	5	170	1.0000 25.400	0 -7	0 -10														
1-1/4 31.750	LMB20UU	6	440	LMB20UU-AJ	6	430	LMB20UU-OP	5	370	1.2500 31.750	0 -.00035	0 -.00050														
1-1/2 38.100	LMB24UU	6	670	LMB24UU-AJ	6	660	LMB24UU-OP	5	570	1.5000 38.100	0 -8	0 -12														
2 50.800	LMB32UU	6	1,140	LMB32UU-AJ	6	1,120	LMB32UU-OP	5	980	2.0000 50.800																

密封型 Seal type:	不标	不带密封	No entry	No seals
LMB20 A UU	U	单密封	U	Seal on one side
	UU	双密封	UU	Seal on both sides
A 镀镍	A Nickle plated			

注：小尺寸（1/4 Inch 内径）无密封。
Note: Smaller sizes (1/4Inch I.D.) are non-seal type only.

国际单位：1N≈0.225lbs
1kg≈2.205lbs
SIUNIT: 1N≈0.225lbs
1kg≈2.205lbs

LMB···LUU 尼龙保持架

该类型尺寸是英制的，主要是美洲采用。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

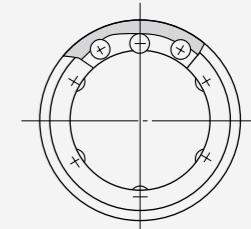
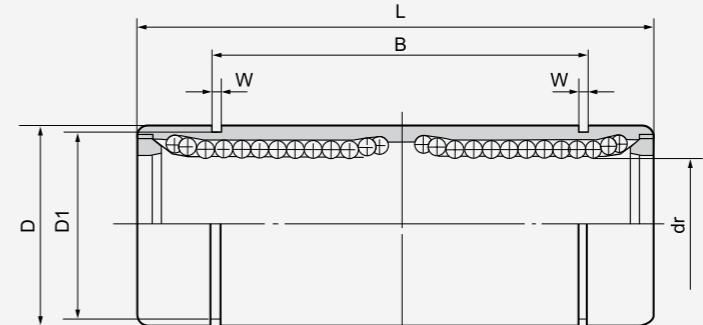
LMB···LUU (Resin retainer)

This type is an inch dimension series mainly used in the America.

All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



LMB···LUU



LMB···LUU

公称轴径 Nominal shaft diameter Inch/mm	加长型 LMB···LUU	重量 Weight (g)	钢球列数 Ball circuit	主要尺寸和公差 Major dimensions and tolerance	
				dr	
				Inch mm	公差 Tolerance Inch/ μ m
.2500 6.350	LMB4LUU	17.5	4	.2500 6.350	
.3750 9.525	LMB6LUU	28	4	.3750 9.525	0 -.00040
.5000 12.700	LMB8LUU	80	4	.5000 12.700	0 -.10
.6250 15.875	LMB10LUU	160	4	.6250 15.875	
.7500 19.050	LMB12LUU	195	5	.7500 19.050	0 -.00050
.1.0000 25.400	LMB16LUU	410	6	.1.0000 25.400	0 -.12
.1.2500 31.750	LMB20LUU	820	6	.1.2500 31.750	
.1.5000 38.100	LMB24LUU	1250	6	.1.5000 38.100	0 -.00060 0 -.15
.2.0000 50.800	LMB32LUU	1350	6	.2.0000 50.800	

密封型 Seal type: LMB20 L A UU	- 不标	不带密封	No entry	No seals
	- U	单密封	U	Seal on one side
	- UU	双密封	UU	Seal on both sides
	A	镀镍	A	Nickle plated

D Inch mm	公差 Tolerance Inch/ μ m	主要尺寸和公差 Major dimensions and tolerance					偏心 Eccentricity Inch/ μ m	额定负荷 Basic load rating	
		L Inch mm	公差 Tolerance Inch/ μ m	B Inch mm	公差 Tolerance Inch/ μ m	W Inch mm		动负荷 Dynamic C N	静负荷 Static C o N
.5000 12.700	0 -.00050 0 -.13	1.3750 34.925		1.0220 25.959		.0390 0.992	.4687 11.906		323 530
.6250 15.875	0	1.5938 40.481	0 -.012	1.2716 32.298	0 -.012	.0390 0.992	.5880 14.935	.0006 15	353 630
.8750 22.225	-.00065 0 -.16	2.3750 60.325	0 -.300	1.9250 48.895	0 -.300	.0459 1.168	.8209 20.853		813 1,570
1.1250 28.575		2.8125 71.438		2.2079 56.080		.0559 1.422	1.0590 26.899		1,230 2,350
1.2500 31.750	0 -.00075	3.0937 78.581		2.3314 59.218		.0559 1.422	1.1760 29.870	.0008 20	1,370 2,740
1.5625 39.688	0 -.19	4.2831 108.744		3.5049 89.139		.0679 1.727	1.4687 37.306		1,570 3,140
2.0000 50.800	0 -.00090	5.0000 127.000	0 -.016	4.0094 101.839	0 -.016	.0679 1.727	1.8859 47.904	.0010 25	2,500 5,490
2.3750 60.325	0 -.22	5.6875 144.463	0 -.400	4.8236 122.519	0 -.400	.0859 2.184	2.2389 56.870		3,430 8,040
3.0000 76.200	0 -.00100 0 -.25	7.7500 196.850		6.3834 162.138		.1029 2.616	2.8379 72.085	.0012 30	6,080 15,900

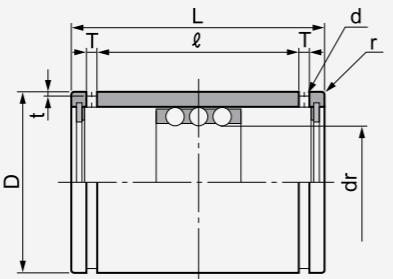
国际单位：1N≈0.225lbs
1kg≈2.205lbs
SIUNIT: 1N≈0.225lbs
1kg≈2.205lbs

行程轴承: ST
可进行旋转运动、有限直线运动及复合运动。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

Ordinary type: ST
ST stroke bearing is a linear and rotational motion mechanism utilizing,
the rotational motion of ball elements between an outer cylinder and a shaft.
All models can be done with nickle plated according to customers'requirements, with function of rust-proof.



ST

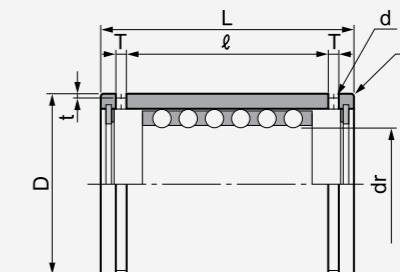


重负荷型: ST…B

Heavy duty type: ST…B



ST…B



型号 Model	最大行程 Maximum stroke mm	钢球列数 Number of rows	主要尺寸和公差 Major dimensions and tolerance								额定负荷 Basic load rating		重量 Weight (g)			
			dr		D		L		ℓ mm	T mm	t mm	d mm	r mm			
			公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm								
ST 6	20	3	6		12	0	20		11.3	1.1	0.5	1	0.5	147	216	8.9
ST 8	24	3	8	+22 +13	15	-11	24		17.1	1.5	0.5	1.2	0.5	245	343	15.6
ST 10	30	3	10		19		30	0	22.7	1.5	0.5	1.2	0.5	461	637	28.8
ST 12	32	3	12		23	0	32	-200	24.5	1.5	0.5	1.2	0.5	813	1,070	42
ST 13	32	3	13	+27 +16	23	-13	32		24.5	1.5	0.5	1.2	0.5	813	1,070	39.8
ST 16	40	3	16		28		37		29.1	1.5	0.7	1.3	0.5	990	1,180	71
ST 20	50	3	20		32		45		35.8	2	0.7	1.5	0.5	1,170	1,260	99
ST 25	50	3	25	+33 +20	37	0 -16	45		35.8	2	0.7	1.6	1	1,330	1,490	117
ST 30	82	3	30		45		65		53.5	2.5	1	2	1	2,990	3,140	205
ST 35	92	3	35		52		70	0	58.5	2.5	1	2	1.5	3,140	3,530	329
ST 40	108	3	40	+41 +25	60	0 -19	80	-300	68.3	2.5	1	2	1.5	4,120	4,800	516
ST 50	138	3	50		72		100		86.4	3	1	2.5	1.5	5,540	6,910	827
ST 60	138	3	60	+49 +30	85	0 -22	100		86.4	3	1	2.5	2	5,980	8,230	1,240
ST 80	132	3	80	+30	110	-22	100	0	86	3	1.5	2.5	2	7,840	12,200	2,050
ST100	132	3	100	+58/+36	130	0/-25	100	-400	86	3	1.5	2.5	2	8,430	14,700	2,440

ST20 A
A 镀镍 Nickle plated

1N≈0.102kgf

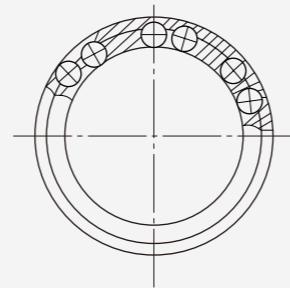
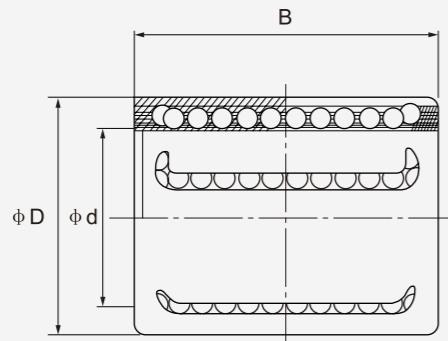
型号 Model	最大行程 Maximum stroke mm	钢球列数 Number of rows	主要尺寸和公差 Major dimensions and tolerance								额定负荷 Basic load rating		重量 Weight (g)			
			dr		D		L		ℓ mm	T mm	t mm	d mm	r mm			
			公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm								
ST 8B	8	6	8	+22 +13	15	0/-11	24		17.1	1.5	0.5	1.2	0.5	490	549	16.8
ST 10B	8	6	10		19		30		22.7	1.5	0.5	1.2	0.5	931	1,030	31.2
ST 12B	8	6	12	+27 +16	23	0 -13	32	-200	24.5	1.5	0.5	1.2	0.5	1,630	1,720	46
ST 16B	16	6	16		28		37		29.1	1.5	0.7	1.3	0.5	1,910	1,980	75
ST 20B	20	6	20		32		45		35.8	2	0.7	1.5	0.5	2,060	2,320	106
ST 25B	20	6	25	+33 +20	37	0 -16	45		35.8	2	0.7	1.6	1	2,170	2,670	125
ST 30B	44	6	30		45		65		53.5	2.5	1	2	1	4,800	6,270	220
ST 35B	54	6	35		52		70		58.5	2.5	1	2	1.5	5,050	7,060	346
ST 40B	66	6	40	+41 +25	60	0 -19	80	-300	68.3	2.5	1	2	1.5	6,710	9,560	540
ST 50B	88	6	50		72		100		86.4	3	1	2.5	1.5	8,970	13,800	862
ST 60B	88	6	60	+49 +30	85	0 -22	100		86.4	3	1	2.5	2	9,700	16,500	1,290
ST 80B	76	6	80	+58/+36	110	0/-25	100	-400	86	3	1.5	2.5	2	12,700	24,300	2,110
ST100B	76	6	100		130		100		86	3	1.5	2.5	2	13,700	29,400	2,520

ST20 B A
A 镀镍 Nickle plated
B 重负荷型 Heavy duty type

1N≈0.102kgf

冲压外圈型: KH

Pressing Bush Bearing: KH



型号 Model	主要尺寸 Major dimensions (mm)			额定负荷 Basic load rating		重量 Weight (g)
	φd	φD	B	动负荷 Dynamic C N	静负荷 Static Co N	
KH0622PP	6	12	22	239	400	7
KH0824PP	8	15	24	280	435	12
KH1026PP	10	17	26	370	500	14.5
KH1228PP	12	19	28	510	620	18.5
KH1428PP	14	21	28	520	620	20.5
KH1630PP	16	24	30	620	800	27.5
KH2030PP	20	28	30	790	950	32.5
KH2540PP	25	35	40	1,670	1,990	66
KH3050PP	30	40	50	2,700	2,800	95
KH4060PP	40	52	60	4,400	4,450	182
KH5070PP	50	62	70	5,500	6,300	252

密封型
Seal type

不标	不带密封	No entry	No seals
P	单密封	P	Seal on one side
PP	双密封	PP	Seal on both sides

法兰式直线轴承

Flanged Linear Motion Ball Bearing

- 法兰型直线轴承外圆上有一个垂直的安装平台，故安装时不需轴承座，从而大大地降低了成本。
- 法兰型直线轴承具有足够的刚性，它能承受标准型直线轴承所能承受的同等负荷。法兰盘经过精密加工，与轴承外径的垂直精度很高，具有良好的互换性，维修更换十分方便。

- The flanged linear motion ball bearing is equipped with a vertical fixing plat(flange) perpendicular mounting surface as part of the outer casing. Therefore, it does not require a housing thus providing high cost efficiency, no housing required, which low cost much.

- Flanged linear motion ball bearings have sufficient rigidity to support equivalent loads of standard ball bushings. Incorporated in this design is a finely machined flange and outer diameter with high prension perpendicularity, and excellent flange interchangeability to simplify replacement.

结构和优点

Structure and Features

- 这种结构提供了一种不同的安装方法，它不需要轴承支架，也不需要将轴承压入到轴承座中。
- 法兰型直线轴承有标准型的，也有加长型的，有法兰盘在端部的，也有法兰盘在中间的，法兰盘在中间的可以更好地承受力矩负荷。
- 不需要单独的轴承座
- 结构紧凑
- 足够的刚性
- 更换时仍能保持高精度

- This design enables various mounting methods other than conventional pillow blocks and press fit ball bushings.
- The flanged linear motion ball bearings include single retainer and mounted flange as well as double retainer and end mount and certain red mounted flange type with excellent moment load capability.
- No housing required
- Compact design
- Excellent rigidity
- High accuracy upon replacement

法兰式直线轴承的代号

Flanged Linear Motion Ball Bearings Type Number Format

LM F 25 L A UU						
类型 Type						
LM	公制，亚洲广泛应用 Metric dimension series most widely used in Asia					
LME	公制，主要是欧洲使用 Metric dimension series generally used in Europe					
LMB	英制，主要是美洲使用 Inch dimension series used mainly in America					
法兰型 Flange Type						
符号 Symbol	代表意义 Specification					
F	圆法兰 Round flange					
K	方法兰 Square flange					
FM	中间圆法兰 Centered round flange					
KM	中间方法兰 Centered square flange					
H	椭圆法兰 Two side cut flange					
HM	中间椭圆法兰 Two side cut centered flange					
FP	导向圆法兰 Pilot round type					
KP	导向方法兰 Pilot square flange					
HP	导向椭圆法兰 Pilot two side cut flange					
A	密封 Seal					
符号 Symbol	代表意义 Specification					
不标 No entry	不带密封 No seal					
UU	双密封 Seals on both sides					
A	镀镍 Nickle plated					
加长型 Double type						
公称轴径 Nominal Shaft Diameter						

法兰式直线轴承的分类(1)

Classifications of Flanged Linear Motion Ball Bearings No.(1)

结构 Design	安装实例 Mounting example	法兰类型 Flange type	长度 Length
标准法兰型 Standed Flanged type		LMF LMEF LMBF	Single
		LMK LMEK LMBK	Single
		LMH	Single

法兰式直线轴承的分类(2)

Classifications of Flanged Linear Motion Ball Bearings No.(2)

结构 Structure	安装实例 Mounting example	法兰类型 Flange type	长度 Length
加长法兰型 Double-Wide Flanged type		LMF…L LMEF…L LMBF…L	Double
导向法兰型 Pilot Flanged type		LMFP LMKP LMHP	Single
加长导向法兰型 Double-Wide-Position-Pilot Flanged type		LMFP…L LMKP…L LMHP…L	Double
加长中间法兰型 Double-Wide-Middle Flanged type		LMFM…L LMEFM…L LMBFM…L	Double
法兰型行程轴承 Flanged Stroke Bearing		STF STK STH	Single

LMF(K)…UU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)…UU (Resin retainer)

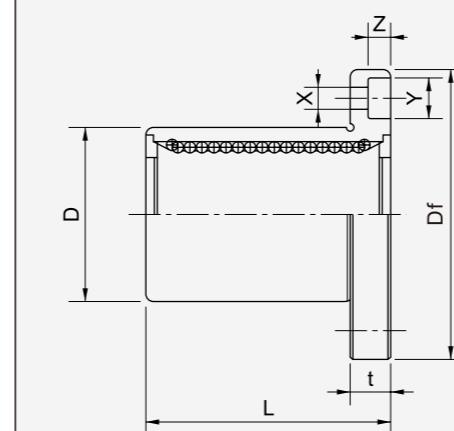
This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



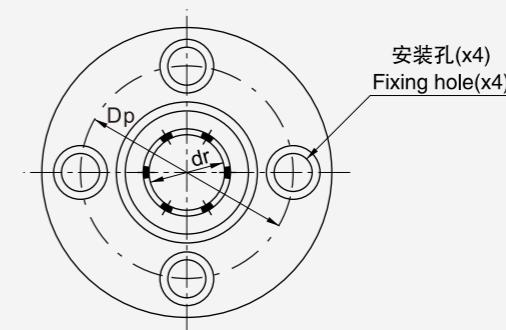
LMF…UU



LMK…UU



LMF…UU



LMK…UU

公称轴径 Nominal shaft diameter mm	尼龙保持架 Resin retainer				主要尺寸和公差 Major dimensions and tolerance					
	圆法兰 LMF…UU	重量 Weight (g)	方法兰 LMK…UU	重量 Weight (g)	dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
5	LMF5UU	18	LMK5UU	13	5		10		15	
6	LMF6UU	24	LMK6UU	18	6		12	0	19	
8	LMF8SUU	32	LMK8SUU	24	8		15	-11	17	±300
8	LMF8UU	37	LMK8UU	29	8	0	15		24	
10	LMF10UU	72	LMK10UU	52	10	-9	19		29	
12	LMF12UU	76	LMK12UU	57	12		21	0	30	
13	LMF13UU	88	LMK13UU	72	13		23	-13	32	0
16	LMF16UU	120	LMK16UU	104	16		28		37	-200
20	LMF20UU	180	LMK20UU	145	20		32	0	42	
25	LMF25UU	340	LMK25UU	300	25	0	40	-16	59	
30	LMF30UU	470	LMK30UU	375	30	-10	45		64	
35	LMF35UU	650	LMK35UU	560	35		52		70	0
40	LMF40UU	1,060	LMK40UU	880	40	0	60	0	80	-300
50	LMF50UU	2,200	LMK50UU	2,000	50	-12		-19		
60	LMF60UU	3,000	LMK60UU	2,560	60	0	90	0	110	
80	LMF80UU	5,800	LMK80UU	5,300	80	-15	120	-22	140	0
100	LMF100UU	10,600	LMK100UU	9,900	100	0	150	0	175	-400
120	LMF120UU	17,200	LMK120UU	16,400	120	-20	180	-25	200	

密封型 Seal type:

LMF20 A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A 镀镍		A Nickel plated		

国际单位: 1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating						
法兰 Flange							Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm	Dynamic C N	静负荷 Static Co N
26	21	5	18	3.5	6	3.1							167	206	
28	22	5	20	3.5	6	3.1							206	265	
32	25	5	24	3.5	6	3.1							176	216	
32	25	5	24	3.5	6	3.1	12	12					274	392	
40	30	6	29	4.5	7.5	4.1							372	549	
42	32	6	32	4.5	7.5	4.1							510	784	
43	34	6	33	4.5	7.5	4.1							510	784	
48	37	6	38	4.5	7.5	4.1							774	1,180	
54	42	8	43	5.5	9	5.1							882	1,370	
62	50	8	51	5.5	9	5.1	15	15					980	1,570	
74	58	10	60	6.6	11	6.1							1,570	2,740	
82	64	10	67	6.6	11	6.1							1,670	3,140	
96	75	13	78	9	14	8.1	20	20					2,160	4,020	
116	92	13	98	9	14	8.1							3,820	7,940	
134	106	18	112	11	17	11.1	25	25					4,700	10,000	
164	136	18	142	11	17	11.1							7,350	16,000	
200	170	20	175	14	20	13.1	30	30					14,100	34,800	
230	200	20	205	14	20	13.1							16,400	40,000	

LMF(K)…GA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)…GA (High-temperature Resistant Retainer)

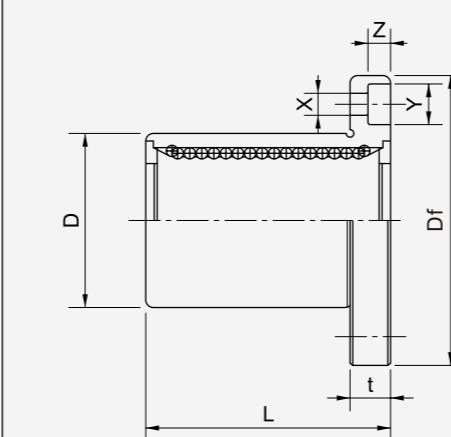
This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



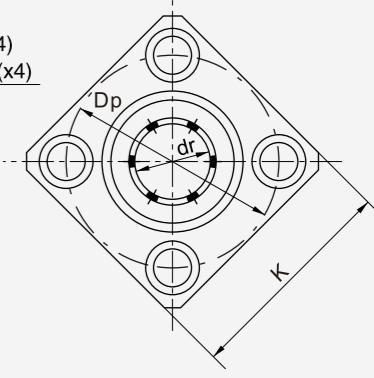
LMF…GA



LMK…GA



LMF…GA



LMK…GA

公称轴径 Nominal shaft diameter mm	尼龙保持架 Resin retainer				主要尺寸和公差 Major dimensions and tolerance					
	圆法兰 LMF…GA	重量 Weight (g)	方法兰 LMK…GA	重量 Weight (g)	dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
5	LMF5GA	19.5	LMK5GA	14.5	5		10		15	
6	LMF6GA	25.3	LMK6GA	19.3	6		12	0 -11	19	
8	LMF8GA	39.3	LMK8GA	31.3	8		15		24	± 300
10	LMF10GA	74.5	LMK10GA	54.5	10	0 -9	19		29	
12	LMF12GA	81.2	LMK12GA	62.2	12		21	0 -13	30	
13	LMF13GA	95	LMK13GA	79	13		23		32	0
16	LMF16GA	137	LMK16GA	121	16		28		37	-200
20	LMF20GA	205	LMK20GA	170	20		32		42	
25	LMF25GA	402	LMK25GA	362	25	0 -10	40	0 -16	59	
30	LMF30GA	546	LMK30GA	451	30		45		64	0 -300
35	LMF35GA	749	LMK35GA	659	35		52		70	
40	LMF40GA	1,205	LMK40GA	1,025	40	0 -12	60	0 -19	80	
50	LMF50GA	2,200	LMK50GA	2,000	50		80		100	
60	LMF60GA	3,000	LMK60GA	2,560	60	0 -15	90	0 -22	110	
80	LMF80GA	5,800	LMK80GA	5,300	80	0 -20	120	0 -25	140	0 -400
100	LMF100GA	10,600	LMK100GA	9,900	100		150		175	

LMF20 A GA	A 镀镍		A Nickel plated	
	5~8	合金钢保持架	5~8	Alloy steel retainer
	10~13	锌合金保持架	10~13	Zinc alloy retainer
	16~100	冷冲压钢保持架	16~100	Cold-formed steel retainer

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating						
法兰 Flange							Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm	Dynamic C N	Static Co N
26	21	5	18	3.5	6	3.1							167	206	
28	22	5	20	3.5	6	3.1							206	265	
32	25	5	24	3.5	6	3.1							274	392	
40	30	6	29	4.5	7.5	4.1							372	549	
42	32	6	32	4.5	7.5	4.1							510	784	
43	34	6	33	4.5	7.5	4.1							510	784	
48	37	6	38	4.5	7.5	4.1							774	1,180	
54	42	8	43	5.5	9	5.1							882	1,370	
62	50	8	51	5.5	9	5.1							980	1,570	
74	58	10	60	6.6	11	6.1							1,570	2,740	
82	64	10	67	6.6	11	6.1							1,670	3,140	
96	75	13	78	9	14	8.1							2,160	4,020	
116	92	13	98	9	14	8.1							3,820	7,940	
134	106	18	112	11	17	11.1							4,700	10,000	
164	136	18	142	11	17	11.1							7,350	16,000	
200	170	20	175	14	20	13.1							14,100	34,800	

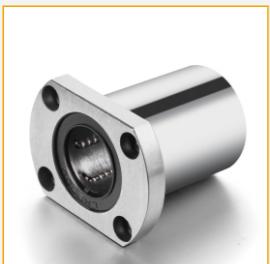
国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMH…UU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMH…UU (Resin retainer)

This type is a metric dimension series widely used in Asia and other countries. All models can be done with nickle plated according to customers' requirements, with function of rust-proof.

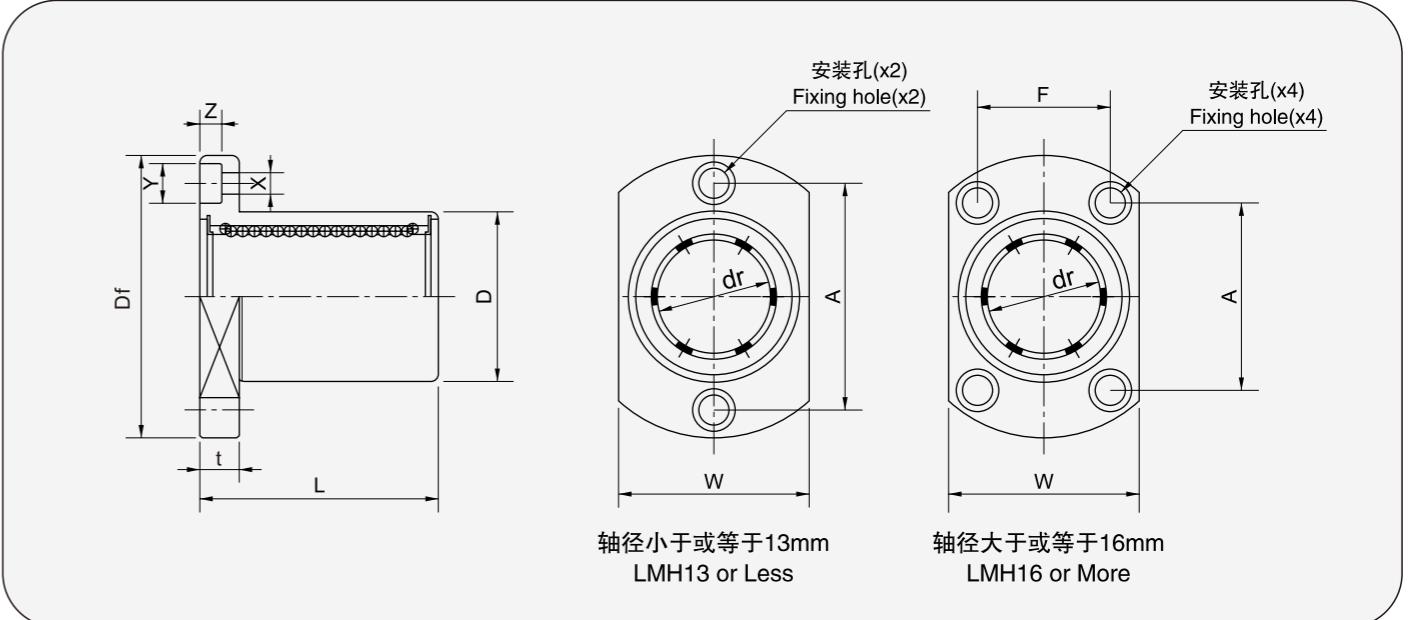


LMH…UU

公称轴径 Nominal shaft diameter mm	椭圆法兰 LMH…UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance						
			dr		D		L		
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	
5	LMH5UU	15	5	0 -9	10	0 -11	15	± 300	
6	LMH6UU	21	6		12	19	± 300		
8	LMH8UU	33	8		15	24			
10	LMH10UU	64	10		19	29			
12	LMH12UU	68	12		21	30	0	± 200	
13	LMH13UU	81	13		23	32			
16	LMH16UU	112	16		28	37			
20	LMH20UU	167	20	0 -10	32	42			
25	LMH25UU	325	25		40	59	0	± 300	
30	LMH30UU	388	30		45	64			
35	LMH35UU	580	35		52	70			
40	LMH40UU	920	40	-12	60	-19	80		

密封型 Seal type: LMH20 A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A 镀镍		A	Nickel plated	

国际单位: 1N≈0.102kgf
SI UNIT: 1N≈0.102kgf



主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating		
法兰 Flange								Df mm	W mm	t mm	A mm	F mm
26	16	5	18	—	3.5	6	3.1				167	206
28	18	5	20	—	3.5	6	3.1				206	265
32	21	5	24	—	3.5	6	3.1				274	392
40	25	6	29	—	4.5	7.5	4.1	12	12	12	372	549
42	27	6	32	—	4.5	7.5	4.1				510	784
43	29	6	33	—	4.5	7.5	4.1				510	784
48	34	6	31	22	4.5	7.5	4.1				774	1,180
54	38	8	36	24	5.5	9	5.1				882	1,370
62	46	8	40	32	5.5	9	5.1	15	15	15	980	1,570
74	51	10	49	35	6.6	11	6.1				1,570	2,740
82	60	10	55	38	6.6	11	6.1	20	20	20	1,670	3,140
96	70	13	64	45	9	14	8.1				2,160	4,020

LMH…GA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

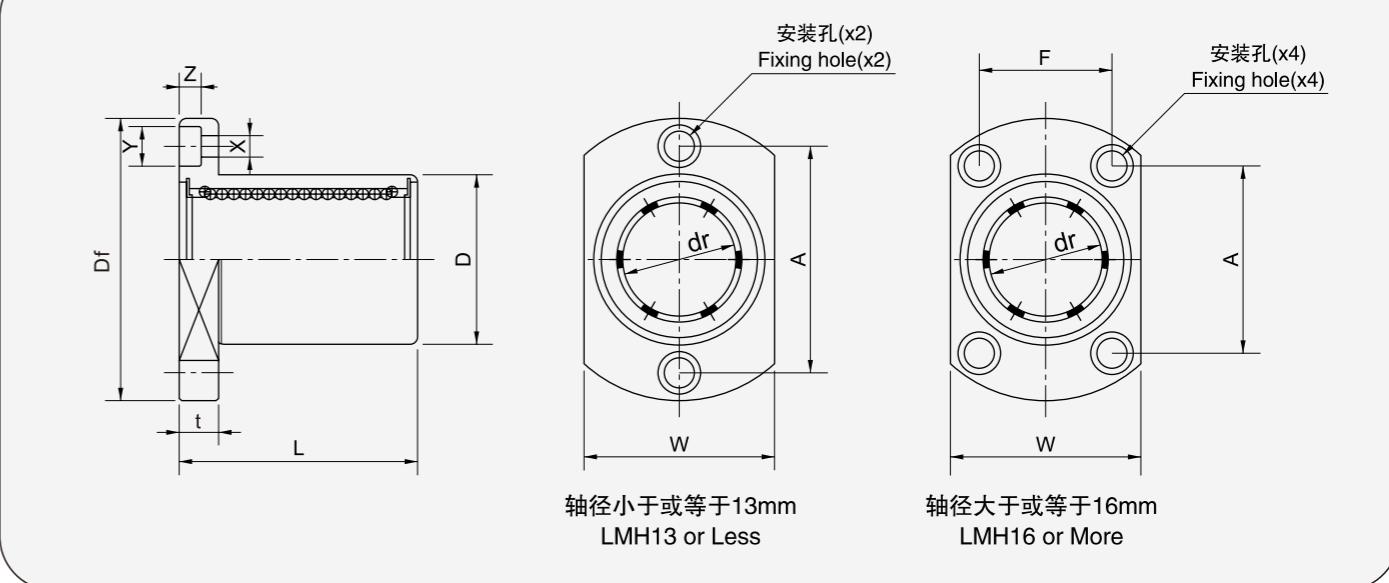
LMH…GA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMH…GA



公称轴径 Nominal shaft diameter mm	椭圆法兰 LMH…GA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm
5	LMH5GA	16.5	5	0 -9	10	0 -11	15	± 300
6	LMH6GA	22.3	6		12		19	
8	LMH8GA	35.3	8		15		24	
10	LMH10GA	65.5	10		19		29	
12	LMH12GA	73.2	12		21	0 -13	30	
13	LMH13GA	88	13		23		32	
16	LMH16GA	129	16		28		37	
20	LMH20GA	192	20		32		42	
25	LMH25GA	387	25	0 -10	40	0 -16	59	
30	LMH30GA	464	30		45		64	
35	LMH35GA	679	35		52		70	
40	LMH40GA	1,065	40	-12	60	-19	80	

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange										Dynamic C N	静负荷 Static Co N
Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm				
26	16	5	18	-	3.5	6	3.1	12	12	167	206
28	18	5	20	-	3.5	6	3.1			206	265
32	21	5	24	-	3.5	6	3.1			274	392
40	25	6	29	-	4.5	7.5	4.1			372	549
42	27	6	32	-	4.5	7.5	4.1			510	784
43	29	6	33	-	4.5	7.5	4.1			510	784
48	34	6	31	22	4.5	7.5	4.1			774	1,180
54	38	8	36	24	5.5	9	5.1			882	1,370
62	46	8	40	32	5.5	9	5.1	15	15	980	1,570
74	51	10	49	35	6.6	11	6.1			1,570	2,740
82	60	10	55	38	6.6	11	6.1			1,670	3,140
96	70	13	64	45	9	14	8.1			2,160	4,020

LMH20 A GA	A 镀镍		A Nickel plated	
	5~8	合金钢保持架	5~8	Alloy steel retainer
	10~13	锌合金保持架	10~13	Zinc alloy retainer
	16~40	冷冲压钢保持架	16~40	Cold-formed steel retainer

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMF(K)…LUU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)…LUU (Resin retainer)

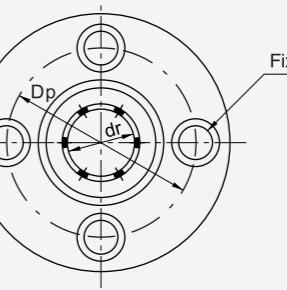
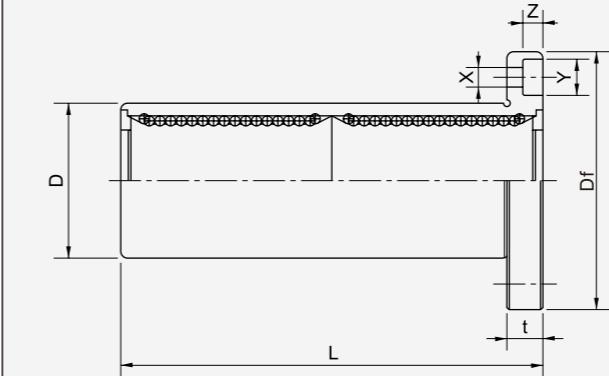
This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



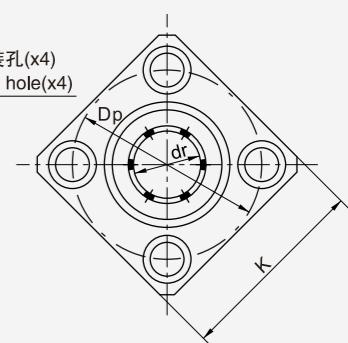
LMF…LUU



LMK…LUU



LMF…LUU



LMK…LUU

公称轴径 Nominal Shaft diameter mm	加长圆法兰 LMF…LUU	重量 Weight (g)	加长方法兰 LMK…LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance						
					dr		D		L		
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm
5	LMF5LUU	24	LMK5LUU	19	5		10		28		
6	LMF6LUU	31	LMK6LUU	25	6		12	0	35		
8	LMF8LUU	51	LMK8LUU	43	8		15	-13	45		
10	LMF10LUU	98	LMK10LUU	78	10	0	19		55		
12	LMF12LUU	110	LMK12LUU	90	12	-10	21	0	57		
13	LMF13LUU	130	LMK13LUU	108	13		23	-16	61	0	
16	LMF16LUU	190	LMK16LUU	165	16		28		70	-300	
20	LMF20LUU	260	LMK20LUU	225	20	0	32	0	80		
25	LMF25LUU	540	LMK25LUU	500	25	-12	40	-19	112		
30	LMF30LUU	680	LMK30LUU	590	30		45		123		
35	LMF35LUU	1,020	LMK35LUU	930	35		52		135	0	
40	LMF40LUU	1,570	LMK40LUU	1,380	40	0	60	0	151	-400	
50	LMF50LUU	3,600	LMK50LUU	3,400	50	-15	80	-22	192		
60	LMF60LUU	4,500	LMK60LUU	4,060	60	0	90	0	209		
80	LMF80LUU	9,090	LMK80LUU	8,590	80	-20	120	-25	265		

密封型 Seal type: LMF20 L A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A 镀镍			A	Nickle plated

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating			
法兰 Flange									15	15		
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm			261	412		
26	21	5	18	3.5	6	3.1			323	529		
28	22	5	20	3.5	6	3.1			431	784		
32	25	5	24	3.5	6	3.1			588	1,100		
40	30	6	29	4.5	7.5	4.1	15		813	1,570		
42	32	6	32	4.5	7.5	4.1			813	1,570		
43	34	6	33	4.5	7.5	4.1			1,230	2,350		
48	37	6	38	4.5	7.5	4.1			1,400	2,740		
54	42	8	43	5.5	9	5.1			1,560	3,140		
62	50	8	51	5.5	9	5.1	20		2,490	5,490		
74	58	10	60	6.6	11	6.1			2,650	6,270		
82	64	10	67	6.6	11	6.1			3,430	8,040		
96	75	13	78	9	14	8.1	25		6,080	15,900		
116	92	13	98	9	14	8.1			7,550	20,000		
134	106	18	112	11	17	11.1	30		11,500	32,000		
164	136	18	142	11	17	11.1						

国际单位: 1N≈0.102kgf
SI UNIT: 1N≈0.102kgf

LMF(K)…LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)…LGA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

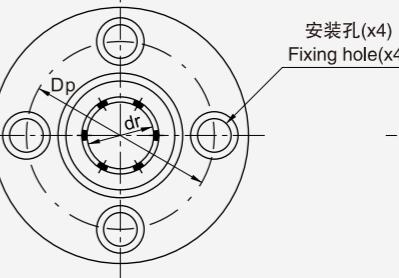
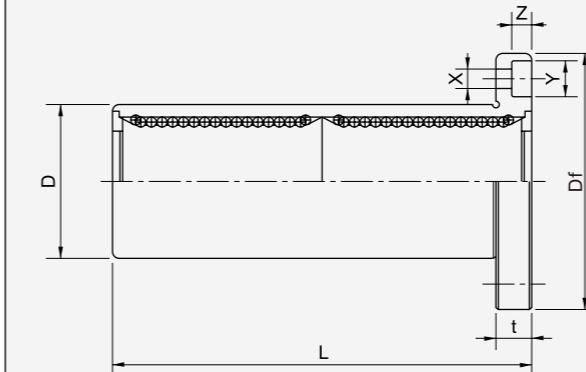
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



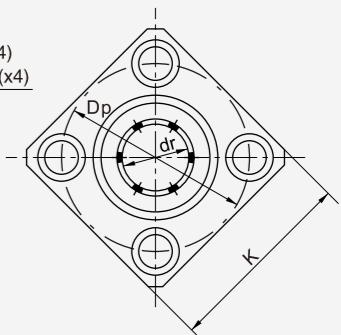
LMF…LGA



LMK…LGA



LMF…LGA



LMK…LGA

公称轴径 Nominal Shaft diameter mm	加长圆法兰 LMF…LGA	重量 Weight (g)	加长方法兰 LMK…LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
5	LMF5LGA	27	LMK5LGA	22	5		10		28	
6	LMF6LGA	33.6	LMK6LGA	27.6	6		12	0 -13	35	±300
8	LMF8LGA	55.6	LMK8LGA	47.6	8		15		45	
10	LMF10LGA	103	LMK10LGA	83	10	0 -10	19		55	
12	LMF12LGA	120.4	LMK12LGA	100.4	12		21		57	
13	LMF13LGA	144	LMK13LGA	122	13		23	0 -16	61	0 -300
16	LMF16LGA	224	LMK16LGA	199	16		28		70	
20	LMF20LGA	310	LMK20LGA	275	20		32		80	
25	LMF25LGA	664	LMK25LGA	624	25	0 -12	40	0 -19	112	
30	LMF30LGA	832	LMK30LGA	742	30		45		123	
35	LMF35LGA	1,218	LMK35LGA	1,128	35		52		135	
40	LMF40LGA	1,860	LMK40LGA	1,670	40	0 -15	60	0 -22	151	0 -400
50	LMF50LGA	3,600	LMK50LGA	3,400	50		80		192	
60	LMF60LGA	4,500	LMK60LGA	4,060	60	0 -20	90	0 -25	209	
80	LMF80LGA	9,090	LMK80LGA	8,590	80		120		265	

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating						
法兰 Flange							Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm	Dynamic C N	Static Co N
26	21	5	18	3.5	6	3.1							261	412	
28	22	5	20	3.5	6	3.1							323	529	
32	25	5	24	3.5	6	3.1							431	784	
40	30	6	29	4.5	7.5	4.1	15	15					588	1,100	
42	32	6	32	4.5	7.5	4.1							813	1,570	
43	34	6	33	4.5	7.5	4.1							813	1,570	
48	37	6	38	4.5	7.5	4.1							1,230	2,350	
54	42	8	43	5.5	9	5.1							1,400	2,740	
62	50	8	51	5.5	9	5.1	20	20					1,560	3,140	
74	58	10	60	6.6	11	6.1							2,490	5,490	
82	64	10	67	6.6	11	6.1							2,650	6,270	
96	75	13	78	9	14	8.1	25	25					3,430	8,040	
116	92	13	98	9	14	8.1							6,080	15,900	
134	106	18	112	11	17	11.1	30	30					7,550	20,000	
164	136	18	142	11	17	11.1							11,500	32,000	

LMF20 L A GA		A 镀镍		A Nickel plated	
5~8	合金钢保持架	5~8	Alloy steel retainer		
10~13	锌合金保持架	10~13	Zinc alloy retainer		
16~80	冷冲压钢保持架	16~80	Cold-formed steel retainer		

国际单位: 1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMH…LUU 尼龙保持架

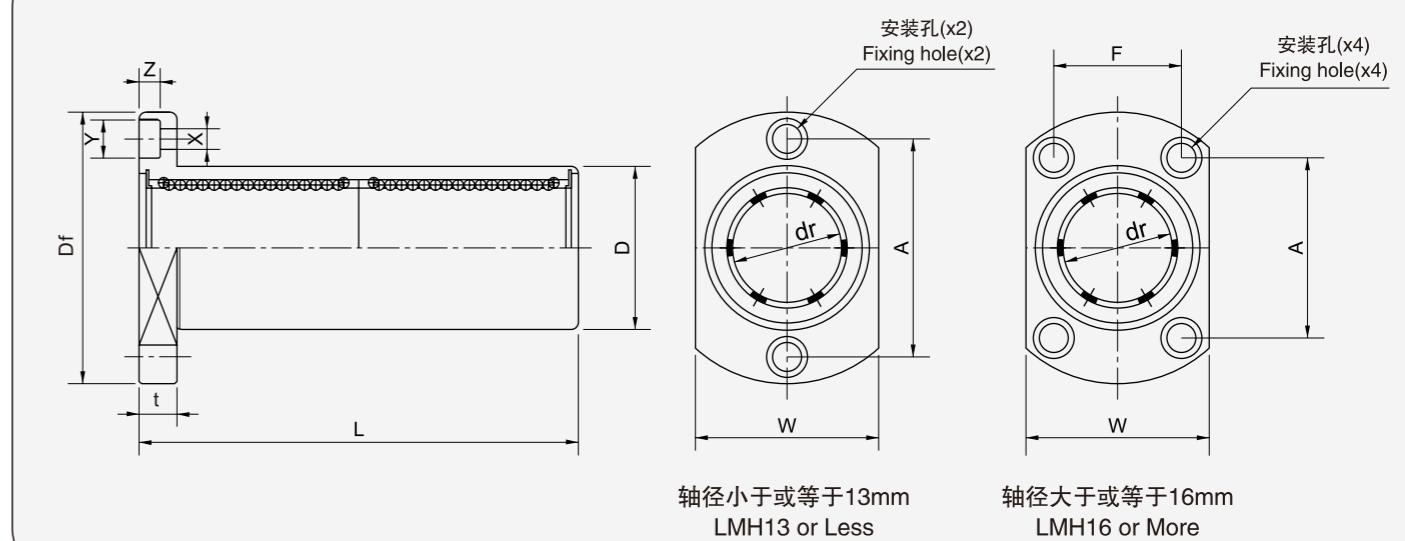
该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMH…LUU (Resin retainer)

This type is a metric dimension series widely used in Asia and other countries. All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



LMH…LUU



公称轴径 Nominal shaft diameter mm	加长椭圆法兰 LMH…LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm
5	LMH5LUU	21	5	0 -10	10	0 -13	28	± 300
6	LMH6LUU	28	6		12	35		
8	LMH8LUU	47	8		15	45		
10	LMH10LUU	90	10		19	55		
12	LMH12LUU	102	12		21	57		
13	LMH13LUU	123	13		23	-16	61	0
16	LMH16LUU	182	16		28	-300	70	
20	LMH20LUU	247	20		32	0 -19	80	
25	LMH25LUU	525	25		40	112		
30	LMH30LUU	645	30		45	123	0	
35	LMH35LUU	950	35	0	52	0	135	-400
40	LMH40LUU	1,450	40	-15	60	-22	151	

密封型 Seal type: LMH20 L A UU	不标		不带密封		No entry		No seals	
	UU	双密封	UU	Seal on both sides	A	镀镍	A	Nickle plated

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating		
法兰 Flange								Df mm	W mm	t mm	A mm	F mm
26	16	5	18	-	3.5	6	3.1	15	15	261	412	
28	18	5	20	-	3.5	6	3.1			323	529	
32	21	5	24	-	3.5	6	3.1			431	784	
40	25	6	29	-	4.5	7.5	4.1			588	1,100	
42	27	6	32	-	4.5	7.5	4.1			813	1,570	
43	29	6	33	-	4.5	7.5	4.1			813	1,570	
48	34	6	31	22	4.5	7.5	4.1			1,230	2,350	
54	38	8	36	24	5.5	9	5.1			1,400	2,740	
62	46	8	40	32	5.5	9	5.1			1,560	3,140	
74	51	10	49	35	6.6	11	6.1			2,490	5,490	
82	60	10	55	38	6.6	11	6.1	25	25	2,650	6,270	
96	70	13	64	45	9	14	8.1			3,430	8,040	

国际单位: 1N≈0.102kgf

SIUNIT: 1N≈0.102kgf

LMH···LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

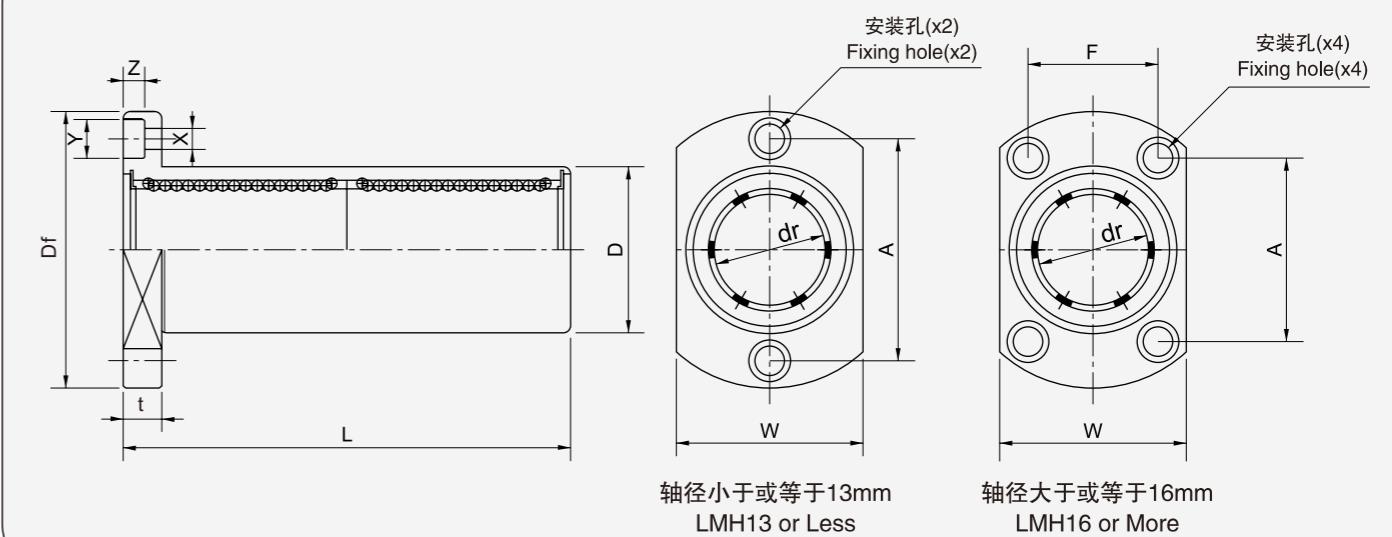
LMH···LGA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMH···LGA



公称轴径 Nominal shaft diameter mm	加长椭圆法兰 LMH···LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm
5	LMH5LGA	24	5	0 -10	10	0 -13	28	± 300
6	LMH6LGA	30.6	6		12	35		
8	LMH8LGA	51.6	8		15	45		
10	LMH10LGA	95	10		19	55		
12	LMH12LGA	112.4	12		21	57		
13	LMH13LGA	137	13		23	-16	61	0
16	LMH16LGA	216	16		28	70	-300	
20	LMH20LGA	297	20		32	80		
25	LMH25LGA	649	25	0 -12	40	0 -19	112	0 -400
30	LMH30LGA	797	30	45	123			
35	LMH35LGA	1,148	35	52	0	135		
40	LMH40LGA	1,740	40	60	-22	151		

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange										Dynamic C N	静负荷 Static C o N
Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm				
26	16	5	18	-	3.5	6	3.1	15	15	261	412
28	18	5	20	-	3.5	6	3.1			323	529
32	21	5	24	-	3.5	6	3.1			431	784
40	25	6	29	-	4.5	7.5	4.1			588	1,100
42	27	6	32	-	4.5	7.5	4.1			813	1,570
43	29	6	33	-	4.5	7.5	4.1			813	1,570
48	34	6	31	22	4.5	7.5	4.1			1,230	2,350
54	38	8	36	24	5.5	9	5.1			1,400	2,740
62	46	8	40	32	5.5	9	5.1			1,560	3,140
74	51	10	49	35	6.6	11	6.1			2,490	5,490
82	60	10	55	38	6.6	11	6.1	25	25	2,650	6,270
96	70	13	64	45	9	14	8.1			3,430	8,040

LMH20 L A GA		A 镀镍		A Nickel plated	
5~8	合金钢保持架	5~8	Alloy steel retainer	5~8	Nickle plated
10~13	锌合金保持架	10~13	Zinc alloy retainer	10~13	
16~40	冷冲压钢保持架	16~40	Cold-formed steel retainer	16~40	

国际单位: 1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMEF(K)…UU 尼龙保持架

该类型尺寸是公制的，广泛应用于欧洲。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMEF(K)…UU (Resin retainer)

This type is a metric dimension series generally used in Europe.

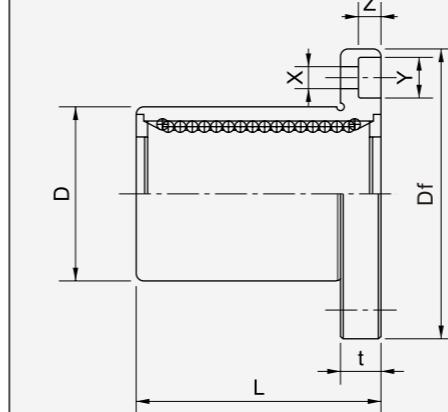
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



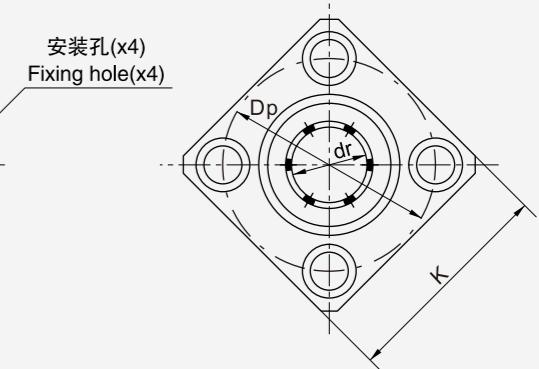
LMEF…UU



LMEK…UU



LMEF…UU



LMEK…UU

公称轴径 Nominal shaft diameter mm	圆法兰 LMEF…UU	重量 Weight (g)	方法兰 LMEK…UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
5	LMEF5UU	26	LMEK5UU	20	5	+8 0	12	0	22	± 300
8	LMEF8UU	41	LMEK8UU	33	8		16	-8	25	
12	LMEF12UU	80	LMEK12UU	64	12		22	0	32	0
16	LMEF16UU	103	LMEK16UU	90	16	+9 -1	26	-9	36	-200
20	LMEF20UU	182	LMEK20UU	147	20		32		45	
25	LMEF25UU	335	LMEK25UU	295	25	+11 -1	40	0 -11	58	
30	LMEF30UU	560	LMEK30UU	465	30		47		68	0 -300
40	LMEF40UU	1,175	LMEK40UU	975	40		62	0	80	
50	LMEF50UU	1,745	LMEK50UU	1,545	50	+13 -2	75	-13	100	
60	LMEF60UU	3,220	LMEK60UU	2,780	60		90	0	125	0
80	LMEF80UU	6,420	LMEK80UU	5,920	80	+16 -4	120	-15	165	-400

密封型 Seal type: LMEF20 A UU	不标	不带密封	No entry	No seals
	UU	双密封		
A 镀镍	A	Nickle plated		

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

Df mm	K mm	t mm	主要尺寸和公差 Major dimensions and tolerance				偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
			法兰 Flange						Dynamic C N	静负荷 Co N
28	22	5	20	3.5	6	3.1			206	265
32	25	5	24	3.5	6	3.1	12	12	265	402
42	32	6	32	4.5	7.5	4.1			510	784
46	35	6	36	4.5	7.5	4.1			578	892
54	42	8	43	5.5	9	5.1			862	1,370
62	50	8	51	5.5	9	5.1	15	15	980	1,570
76	60	10	62	6.6	11	6.1			1,570	2,740
98	75	13	80	9	14	8.1	17	17	2,160	4,020
112	88	13	94	9	14	8.1			3,820	7,940
134	106	18	112	11	17	11.1	20		4,700	9,800
164	136	18	142	11	17	11.1	25		7,350	16,000

LMEF(K)…GA 耐高温保持架

该类型尺寸是公制的，广泛应用于欧洲。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMEF(K)…GA (High-temperature Resistant Retainer)

This type is a metric dimension series generally used in Europe.

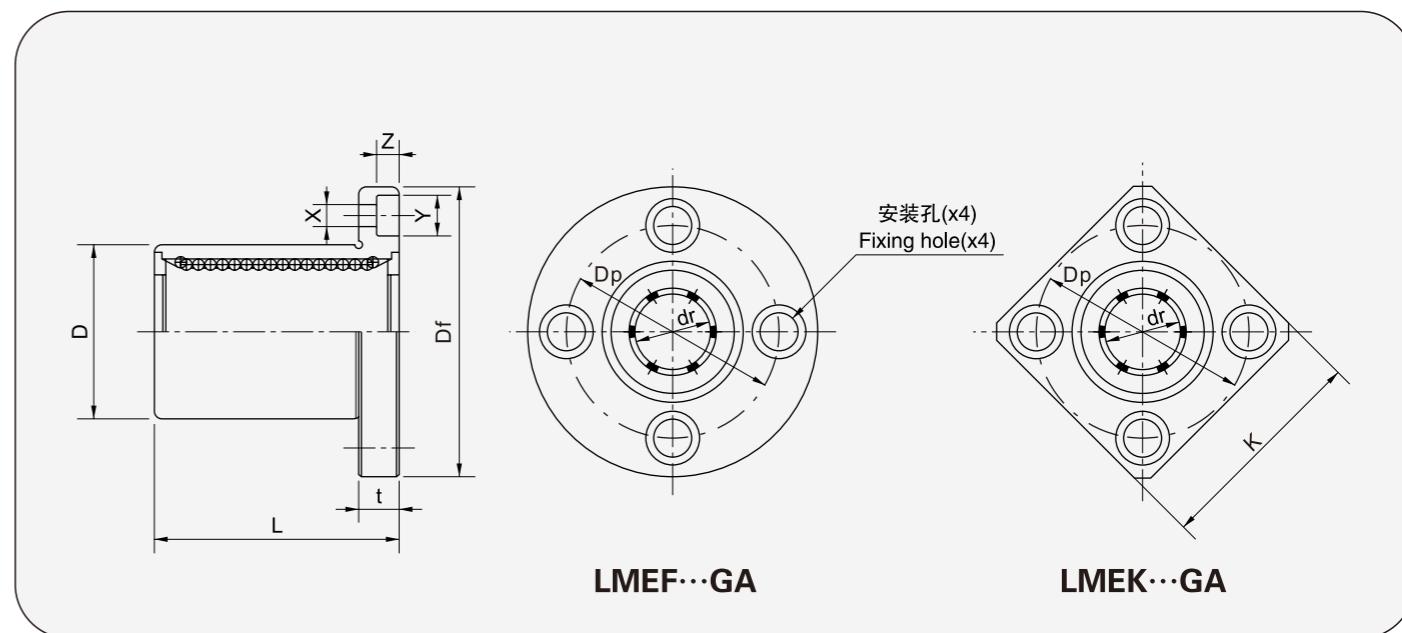
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMEF…GA



LMEK…GA



公称轴径 Nominal shaft diameter mm	圆法兰 LMEF…GA	重量 Weight (g)	方法兰 LMEK…GA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
8	LMEF8GA	46.2	LMEK8GA	38.2	8	+8 0	16	0 -8	25	±300
12	LMEF12GA	91.9	LMEK12GA	75.9	12		22	0	32	0
16	LMEF16GA	119.5	LMEK16GA	106.5	16	+9 -1	26	-9	36	-200
20	LMEF20GA	211.3	LMEK20GA	176.3	20		32		45	
25	LMEF25GA	393.9	LMEK25GA	351.9	25	+11 -1	40	0 -11	58	
30	LMEF30GA	652.3	LMEK30GA	557.3	30		47		68	0
40	LMEF40GA	1,364	LMEK40GA	1,164	40		62	0	80	-300
50	LMEF50GA	1,745	LMEK50GA	1,545	50	+13 -2	75	-13	100	
60	LMEF60GA	3,220	LMEK60GA	2,780	60		90	0	125	0
80	LMEF80GA	6,420	LMEK80GA	5,920	80	+16 -4	120	-15	165	-400

LMEF20 A GA	A 镀镍		A Nickel plated	
	8	合金钢保持架	8	Alloy steel retainer
	12	锌合金保持架	12	Zinc alloy retainer
	16~80	冷冲压钢保持架	16~80	Cold-formed steel retainer

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange									Dynamic C N	静负荷 Static Co N
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm				
32	25	5	24	3.5	6	3.1			265	402
42	32	6	32	4.5	7.5	4.1	12	12	510	784
46	35	6	36	4.5	7.5	4.1			578	892
54	42	8	43	5.5	9	5.1			862	1,370
62	50	8	51	5.5	9	5.1	15	15	980	1,570
76	60	10	62	6.6	11	6.1			1,570	2,740
98	75	13	80	9	14	8.1	17	17	2,160	4,020
112	88	13	94	9	14	8.1			3,820	7,940
134	106	18	112	11	17	11.1	20		4,700	9,800
164	136	18	142	11	17	11.1	25		7,350	16,000

国际单位：1N≈0.102kgf
SI UNIT: 1N≈0.102kgf

LMEF(K)…LUU 尼龙保持架

该类型尺寸是公制的，广泛应用于欧洲。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMEF(K)…LUU (Resin retainer)

This type is a metric dimension series generally used in Europe.

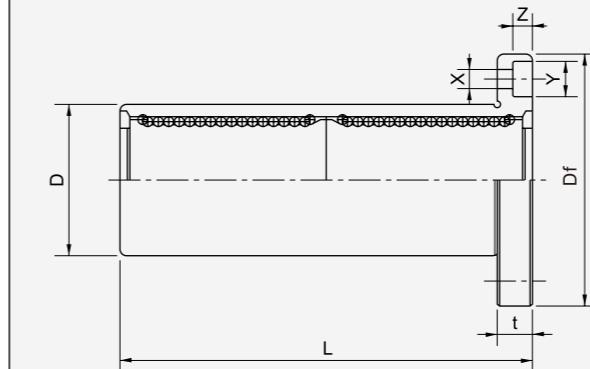
All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



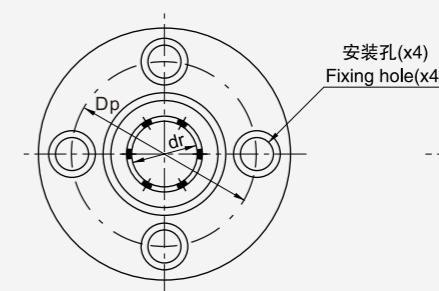
LMEF…LUU



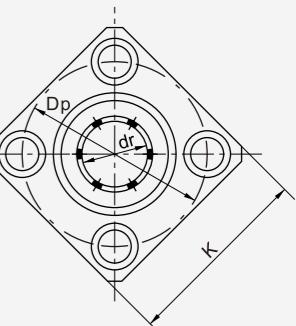
LMEK…LUU



LMEF…LUU



LMEK…LUU



公称轴径 Nominal shaft diameter mm	加长圆法兰 LMEF…LUU	重量 Weight (g)	加长方法兰 LMEK…LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance						
					dr		D		L		
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	
8	LMEF8LUU	59	LMEK8LUU	51	8	+9	16	0 -9	46	±300	
12	LMEF12LUU	110	LMEK12LUU	90	12	-1	22	0	61	0	
16	LMEF16LUU	160	LMEK16LUU	135	16	+11	26	-11	68	-300	
20	LMEF20LUU	260	LMEK20LUU	225	20	-1	32	0	80		
25	LMEF25LUU	540	LMEK25LUU	500	25	+13	40	-13	112		
30	LMEF30LUU	815	LMEK30LUU	720	30	-2	47	0	123		
40	LMEF40LUU	1,805	LMEK40LUU	1,600	40	+16	62	0	151	0	
50	LMEF50LUU	2,820	LMEK50LUU	2,620	50	-4	75	-15	192	-400	
60	LMEF60LUU	4,920	LMEK60LUU	4,480	60		90	0	209		
80	LMEF80LUU	9,090	LMEK80LUU	8,590	80	+19	120	-20	265		

密封型 Seal type: LMEF20 L A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
	A	镀镍	A	Nickle plated

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange									Dynamic C N	静负荷 Static Co N
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm				
32	25	5	24	3.5	6	3.1			421	804
42	32	6	32	4.5	7.5	4.1	15	15	813	1,570
46	35	6	36	4.5	7.5	4.1			912	1,780
54	42	8	43	5.5	9	5.1			1,370	2,740
62	50	8	51	5.5	9	5.1	17	17	1,570	3,140
76	60	10	62	6.6	11	6.1			2,500	5,490
98	75	13	80	9	14	8.1	20	20	3,430	8,040
112	88	13	94	9	14	8.1			6,080	15,900
134	106	18	112	11	17	11.1	25	25	7,550	20,000
164	136	18	142	11	17	11.1	30	30	11,500	32,000

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMEF(K)…LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于欧洲。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMEF(K)…LGA (High-temperature Resistant Retainer)

This type is a metric dimension series generally used in Europe.

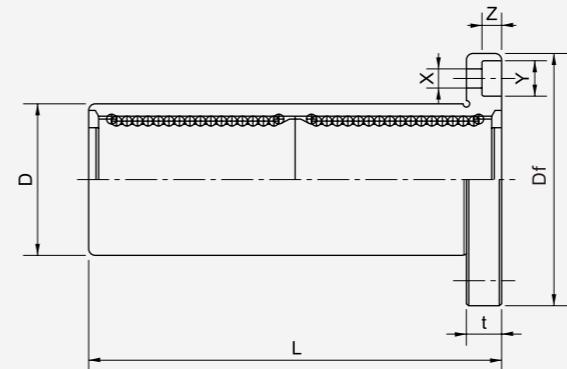
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



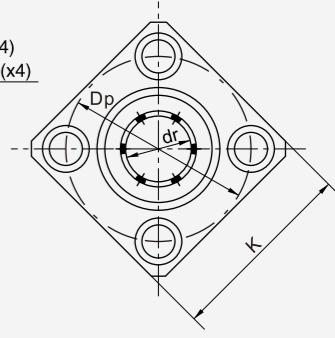
LMEF…LGA



LMEK…LGA



LMEF…LGA



LMEK…LGA

公称轴径 Nominal shaft diameter mm	加长圆法兰 LMEF…LGA	重量 Weight (g)	加长方法兰 LMEK…LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
8	LMEF8LGA	69.4	LMEK8LGA	61.4	8	+9 -1	16	0 -9	46	±300
12	LMEF12LGA	133.8	LMEK12LGA	113.8	12		22	0	61	
16	LMEF16LGA	193	LMEK16LGA	168	16	+11 -1	26	-11	68	0 -300
20	LMEF20LGA	318.6	LMEK20LGA	283.6	20	+11 -1	32		80	
25	LMEF25LGA	653.8	LMEK25LGA	613.8	25	+13 -2	40	0 -13	112	
30	LMEF30LGA	999.6	LMEK30LGA	904.6	30	+13 -2	47		123	
40	LMEF40LGA	2183.2	LMEK40LGA	1978.2	40	+16 -4	62	0 -15	151	0 -400
50	LMEF50LGA	2,820	LMEK50LGA	2,620	50	+16 -4	75		192	
60	LMEF60LGA	4,920	LMEK60LGA	4,480	60	+19 -6	90	0 -20	209	
80	LMEF80LGA	9,090	LMEK80LGA	8,590	80	+19 -6	120		265	

LMEF20 L A GA		A 镀镍		A Nickel plated	
8	合金钢保持架	8	Alloy steel retainer		
12	锌合金保持架	12	Zinc alloy retainer		
16~80	冷冲压钢保持架	16~80	Cold-formed steel retainer		

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange									Dynamic C N	静负荷 Static Co N
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm				
32	25	5	24	3.5	6	3.1			421	804
42	32	6	32	4.5	7.5	4.1	15	15	813	1,570
46	35	6	36	4.5	7.5	4.1			912	1,780
54	42	8	43	5.5	9	5.1			1,370	2,740
62	50	8	51	5.5	9	5.1	17	17	1,570	3,140
76	60	10	62	6.6	11	6.1			2,500	5,490
98	75	13	80	9	14	8.1	20	20	3,430	8,040
112	88	13	94	9	14	8.1			6,080	15,900
134	106	18	112	11	17	11.1	25	25	7,550	20,000
164	136	18	142	11	17	11.1	30	30	11,500	32,000

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMBF(K)…UU 尼龙保持架

该类型轴承采用英制尺寸，主要是美洲采用。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMBF(K)…UU (Resin retainer)

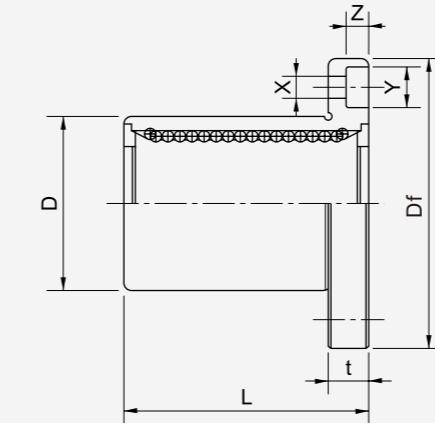
This type is a metric dimension series mainly used in the America.
All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



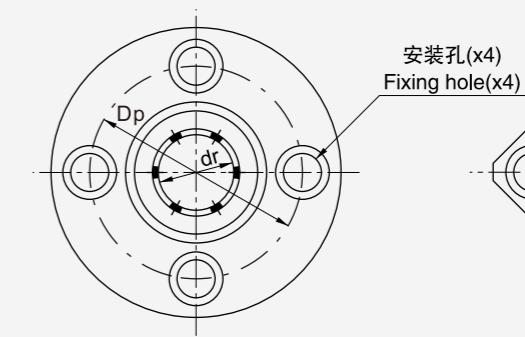
LMBF…UU



LMBK…UU



LMBF…UU



LMBK…UU

公称轴径 Nominal shaft diameter inch/mm	圆(方)法兰 LMBF(K)…UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			Inch/mm	Tolerance Inch/ μ m	Inch/mm	Tolerance Inch/ μ m	Inch/mm	Tolerance Inch/ μ m
1/4 6.350	LMBF4UU LMBK4UU	32 25	.2500 6.350		.5000 12.700	0 -.00045 0 -11	.7500 19.050	
3/8 9.525	LMBF6UU LMBK6UU	47 32	.3750 9.525	0 -.00040	.6250 15.875	0 -.00040	.8750 22.225	$\pm .012$ ± 300
1/2 12.700	LMBF8UU LMBK8UU	88 68	.5000 12.700	0 -9	.8750 22.225	0 -.00050 0 -13	1.2500 31.750	
5/8 15.875	LMBF10UU LMBK10UU	140 124	.6250 15.875		1.1250 28.575	0 -.00040	1.500 38.100	0 -.008 0 -200
3/4 19.050	LMBF12UU LMBK12UU	190 150	.7500 19.050	0 -.00040	1.2500 31.750	0 -.00065	1.6250 41.275	
1 25.400	LMBF16UU LMBK16UU	325 280	1.0000 25.400	0 -10	1.5625 39.688	0 -16	2.2500 57.150	
1-1/4 31.750	LMBF20UU LMBK20UU	665 580	1.2500 31.750		2.0000 50.800	0 -.00075	2.6250 66.675	0 -.012
1-1/2 38.100	LMBF24UU LMBK24UU	1,100 930	1.5000 38.100	0 -0.00050 0 -12	2.3750 60.325	0 -19	3.0000 76.200	0 -300
2 50.800	LMBF32UU LMBK32UU	1,760 1,580	2.0000 50.800		3.0000 76.200	0 -.00090 0 -22	4.0000 101.600	

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity Inch/ μ m	垂直度 Squareness Inch/ μ m	额定负荷 Basic load rating	
法兰 Flange									Dynamic C N	静负荷 Static Co N
Df Inch/mm	K Inch/mm	t Inch/mm	Dp Inch/mm	X Inch/mm	Y Inch/mm	Z Inch/mm				
1.2500 31.750	1.0000 25.400	0.219 5.556	.8750 22.225	.1560 3.969	.2500 6.350	.1410 3.572			206	265
1.5000 38.100	1.2500 31.750	.2500 6.350	1.0620 26.988	.1875 4.763	.2970 7.541	.1720 4.366	.0005	.0005	225	314
1.7500 44.450	1.3750 34.925	.2500 6.350	1.312 33.338	.1875 4.763	.2970 7.541	.1720 4.366	.0005	.0005	510	784
2.0000 50.800	1.5000 38.100	.2500 6.350	1.5620 39.688	.1875 4.763	.2970 7.541	.1720 4.366			774	1,180
2.1875 55.563	1.6875 42.863	.3125 7.938	1.7188 43.656	.2187 5.556	.3440 8.731	.2030 5.159	.0006	.0006	862	1,370
2.5000 63.500	2.0000 50.800	.3125 7.938	2.0310 51.594	.2187 5.556	.3440 8.731	.2030 5.159	.0006	.0006	980	1,570
3.1250 79.375	2.5000 63.500	.3750 9.525	2.5625 65.088	.2812 7.144	.4060 10.319	.2656 6.747	.0008	.0008	1,570	2,740
3.7500 95.250	3.0000 76.200	.5000 12.700	3.0625 77.788	.3440 8.731	.5000 12.700	.3280 8.334	.0008	.0008	2,180	4,020
4.3750 111.125	3.5000 88.900	.5000 12.700	3.6875 93.662	.3440 8.731	.5000 12.700	.3280 8.334	.0010	.0010	3,820	7,940

密封型 Seal type:

LMBF20 A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A	镀镍	A	Nickle plated	

国际单位: 1N≈0.225lbs

1kg≈2.205lbs

SIUNIT: 1N≈0.225lbs

1kg≈2.205lbs

LMBF(K)…LUU 尼龙保持架

该类型轴承采用英制尺寸，主要是美洲采用。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMBF(K)…LUU (Resin retainer)

This type is a metric dimension series mainly used in the America.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



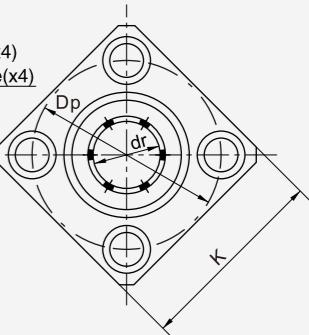
LMBF…LUU



LMBK…LUU



LMBF…LUU



LMBK…LUU

公称轴径 Nominal shaft diameter inch/mm	加长圆(方)法兰 LMBF(K)…LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			Inch/mm	Tolerance Inch/ μ m	Inch/mm	Tolerance Inch/ μ m	Inch/mm	Tolerance Inch/ μ m
1/4 6.350	LMBF4LUU LMBK4LUU	40 33	.2500 6.350		.5000 12.700	0 -.00050 0 -13	1.3750 34.925	
3/8 9.525	LMBF6LUU LMBK6LUU	60 45	.3750 9.525	0 -.00040	.6250 15.875	0 -.00040	1.5938 40.481	$\pm .012$ ± 300
1/2 12.700	LMBF8LUU LMBK8LUU	126 106	.5000 12.700	0 -10	.8750 22.225	0 -.00065 0 -16	2.3750 60.325	
5/8 15.875	LMBF10LUU LMBK10LUU	215 200	.6250 15.875		1.1250 28.575	0 -.00075	2.8125 71.438	0 $-.012$ 0 -300
3/4 19.050	LMBF12LUU LMBK12LUU	280 240	.7500 19.050	0 -.00050	1.2500 31.750	0 -.00075	3.0937 78.581	
1 25.400	LMBF16LUU LMBK16LUU	515 470	1.0000 25.400	0 -12	1.5625 39.688	0 -19	4.2831 108.744	
1-1/4 31.750	LMBF20LUU LMBK20LUU	1,020 935	1.2500 31.750		2.0000 50.800	0 -.00090	5.0000 127.000	0 $-.016$
1-1/2 38.100	LMBF24LUU LMBK24LUU	1,630 1,460	1.5000 38.100	0 -.00065	2.3750 60.325	0 -22	5.6875 144.463	0 -400
2 50.800	LMBF32LUU LMBK32LUU	2,800 2,620	2.0000 50.800		3.0000 76.200	0 -.00100 0 -25	7.7500 196.850	

密封型 Seal type: LMBF20 L A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A 镀镍	A	Nickle plated		

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity Inch/ μ m	垂直度 Squareness Inch/ μ m	额定负荷 Basic load rating						
法兰 Flange							Df Inch/mm	K Inch/mm	t Inch/mm	Dp Inch/mm	X Inch/mm	Y Inch/mm	Z Inch/mm	Dynamic C N	Static Co N
1.2500 31.750	1.0000 25.400	0.2188 5.556	.8750 22.225	.1563 3.969	.2500 6.350	.1406 3.572							323	530	
1.5000 38.100	1.2500 31.750	.2500 6.350	1.0625 26.988	.1875 4.763	.2969 7.541	.1719 4.366							353	630	
1.7500 44.450	1.3750 34.925	.2500 6.350	1.3125 33.338	.1875 4.763	.2969 7.541	.1719 4.366							813	1,570	
2.0000 50.800	1.5000 38.100	.2500 6.350	1.5625 39.688	.1875 4.763	.2969 7.541	.1719 4.366							1,230	2,350	
2.1875 55.563	1.6875 42.863	.3125 7.938	1.7188 43.656	.2188 5.556	.3438 8.731	.2031 5.159							1,370	2,740	
2.5000 63.500	2.0000 50.800	.3125 7.938	2.0313 51.594	.2188 5.556	.3438 8.731	.2031 5.159							1,570	3,140	
3.1250 79.375	2.5000 63.500	.3750 9.525	2.5625 65.088	.2813 7.144	.4063 10.319	.2656 6.747							2,500	5,490	
3.7500 95.250	3.0000 76.200	.5000 12.700	3.0625 77.788	.3437 8.731	.5000 12.700	.3281 8.334							3,430	8,040	
4.3750 111.125	3.5000 88.900	.5000 12.700	3.6875 93.662	.3437 8.731	.5000 12.700	.3281 8.334							6,080	15,900	

国际单位：1N≈0.225lbs
1kg≈2.205lbs
SIUNIT: 1N≈0.225lbs
1kg≈2.205lbs

LMF(K)P…UU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)P…UU (Resin retainer)

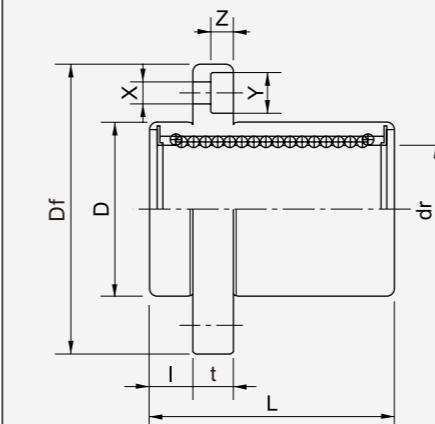
This type is a metric dimension series widely used in Asia and other countries. All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



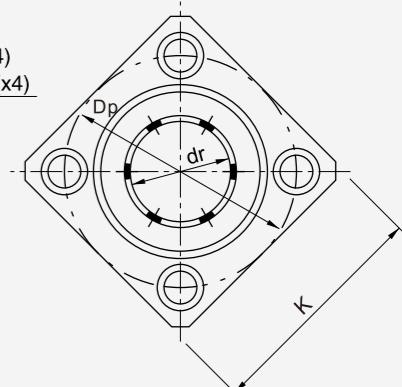
LMFP…UU



LMKP…UU



LMFP…UU



LMKP…UU

公称轴径 Nominal shaft diameter mm	导向圆法兰 LMFP…UU	重量 Weight (g)	导向方法兰 LMKP…UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMFP6UU	24	LMKP6UU	18	6		12	0	19	
8	LMFP8UU	37	LMKP8UU	29	8		15	-13	24	±300
10	LMFP10UU	72	LMKP10UU	52	10	0	19		29	
12	LMFP12UU	76	LMKP12UU	57	12	-9	21	0	30	
13	LMFP13UU	88	LMKP13UU	72	13		23	-16	32	0
16	LMFP16UU	120	LMKP16UU	104	16		28	-16	37	-200
20	LMFP20UU	180	LMKP20UU	145	20		32	0	42	
25	LMFP25UU	340	LMKP25UU	300	25	-10	40	-19	59	
30	LMFP30UU	470	LMKP30UU	375	30		45	-19	64	
35	LMFP35UU	650	LMKP35UU	560	35	0	52	0	70	0
40	LMFP40UU	1,060	LMKP40UU	880	40	-12	60	-22	80	-300
50	LMFP50UU	2,200	LMKP50UU	2,000	50		80		100	
60	LMFP60UU	3,000	LMKP60UU	2,560	60	0	90	0	110	
80	LMFP80UU	5,800	LMKP80UU	5,300	80	-15	120	-25	140	0
										-400

密封型 Seal type:

LMFP20 A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A 镀镍				A Nickle plated

I mm	Df mm	K mm	t mm	主要尺寸和公差 Major dimensions and tolerance				偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating			
				法兰 Flange						Dynamic C N	Static Co N		
				Dp mm	X mm	Y mm	Z mm						
5	28	22	5	20	3.5	6	3.1			206	265		
5	32	25	5	24	3.5	6	3.1			274	392		
6	40	30	6	29	4.5	7.5	4.1	12	12	372	549		
6	42	32	6	32	4.5	7.5	4.1			510	784		
6	43	34	6	33	4.5	7.5	4.1			510	784		
6	48	37	6	38	4.5	7.5	4.1			774	1,180		
8	54	42	8	43	5.5	9	5.1	15	15	882	1,370		
8	62	50	8	51	5.5	9	5.1			980	1,570		
10	74	58	10	60	6.6	11	6.1			1,570	2,740		
10	82	64	10	67	6.6	11	6.1			1,670	3,140		
13	96	75	13	78	9	14	8.1	20	20	2,160	4,020		
13	116	92	13	98	9	14	8.1			3,820	7,940		
18	134	106	18	112	11	17	11.1	25	25	4,700	10,000		
18	164	136	18	142	11	17	11.1			7,350	16,000		

国际单位：1N≈0.102kgf
SI UNIT: 1N≈0.102kgf

LMF(K)P…GA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)P…GA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

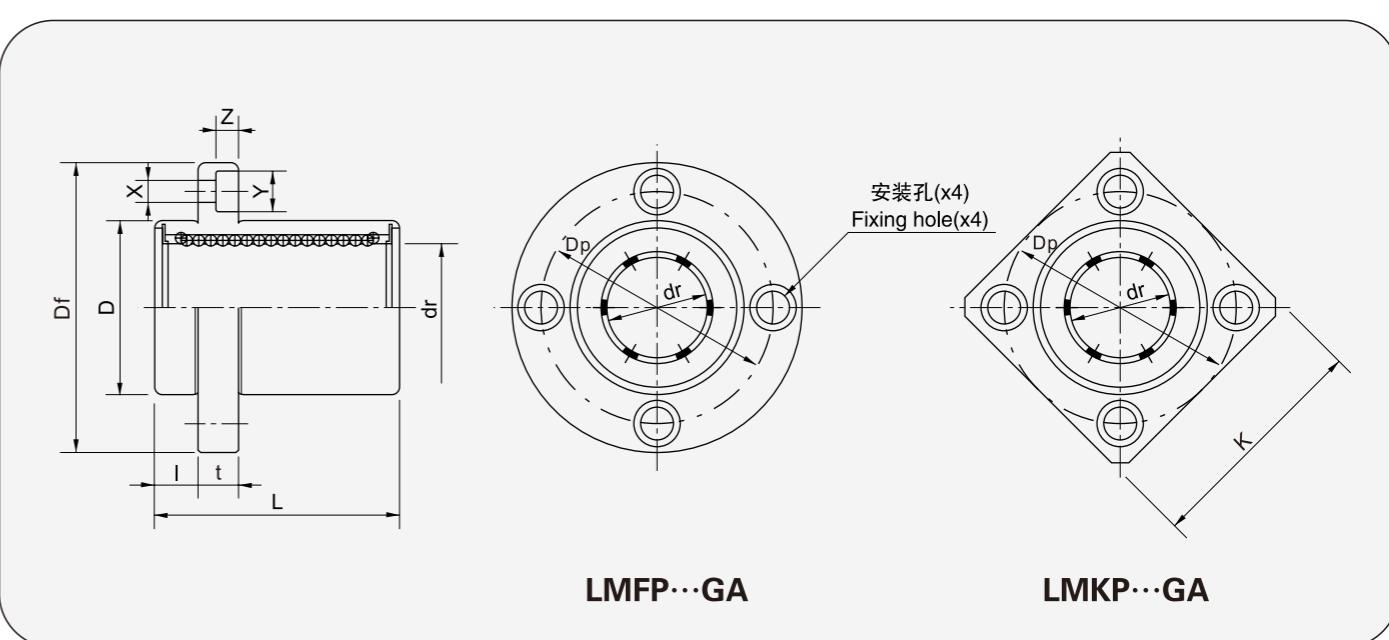
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMFP…GA



LMKP…GA



LMFP…GA

LMKP…GA

公称轴径 Nominal shaft diameter mm	导向圆法兰 LMFP…GA	重量 Weight (g)	导向方法兰 LMKP…GA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMFP6GA	25.3	LMKP6GA	19.3	6		12	0	19	
8	LMFP8GA	39.3	LMKP8GA	31.3	8		15	-13	24	±300
10	LMFP10GA	74.5	LMKP10GA	54.5	10	0	19		29	
12	LMFP12GA	81.2	LMKP12GA	62.2	12	-9	21		30	
13	LMFP13GA	95	LMKP13GA	79	13		23	-16	32	0
16	LMFP16GA	137	LMKP16GA	121	16		28		37	-200
20	LMFP20GA	205	LMKP20GA	170	20		32	0	42	
25	LMFP25GA	402	LMKP25GA	362	25	-10	40	-19	59	
30	LMFP30GA	546	LMKP30GA	451	30		45		64	
35	LMFP35GA	789	LMKP35GA	659	35		52		70	0
40	LMFP40GA	1,205	LMKP40GA	1,025	40	-12	60	-22	80	-300
50	LMFP50GA	2,200	LMKP50GA	2,000	50		80		100	
60	LMFP60GA	3,000	LMKP60GA	2,560	60		90	0	110	
80	LMFP80GA	5,800	LMKP80GA	5,300	80	-15	120	-25	140	0
										-400

LMFP20 A GA	
A	镀镍
A	Nickle plated
6~8	合金钢保持架
10~13	锌合金保持架
16~80	冷冲压钢保持架
16~80	Cold-formed steel retainer

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMF(K)P…LUU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)P…LUU (Resin retainer)

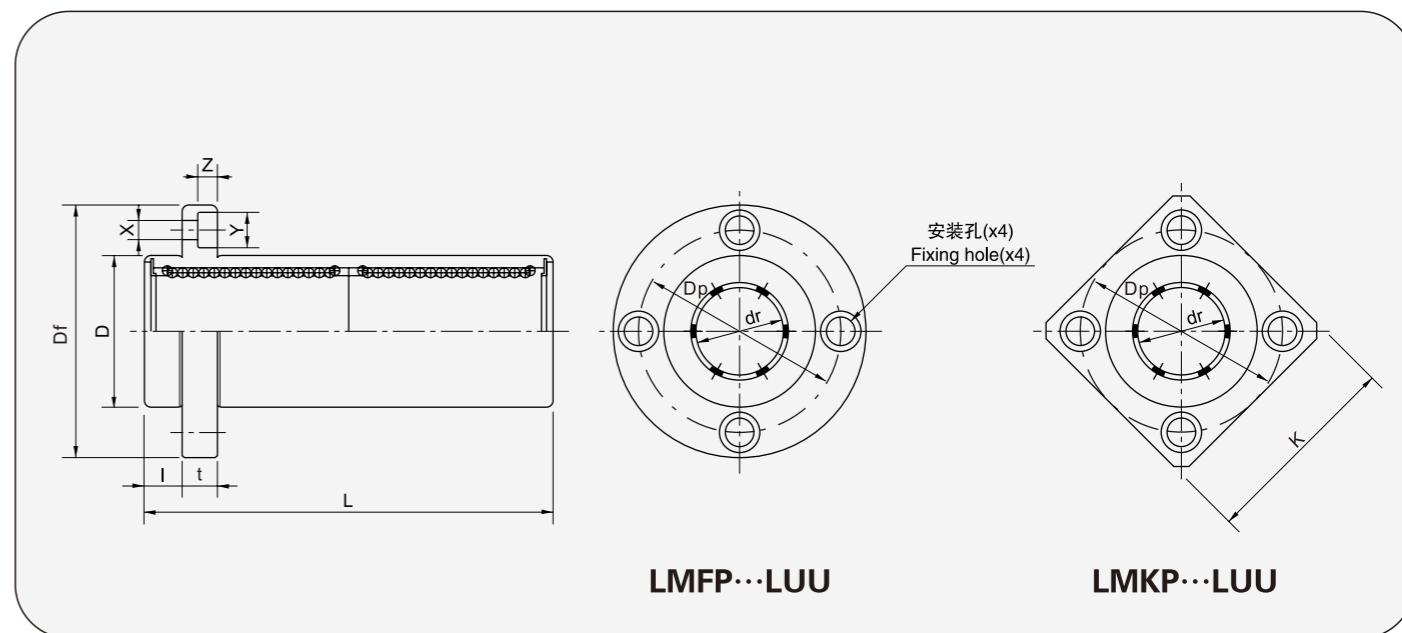
This type is a metric dimension series widely used in Asia and other countries. All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMFP…LUU



LMKP…LUU



LMFP…LUU

LMKP…LUU

公称轴径 Nominal shaft diameter mm	加长导向圆法兰 LMFP…LUU	重量 Weight (g)	加长导向方法兰 LMKP…LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMFP6LUU	31	LMKP6LUU	25	6		12	0	35	
8	LMFP8LUU	51	LMKP8LUU	43	8		15	-13	45	± 300
10	LMFP10LUU	98	LMKP10LUU	78	10	0	19		55	
12	LMFP12LUU	110	LMKP12LUU	90	12	-10	21	0	57	
13	LMFP13LUU	130	LMKP13LUU	108	13		23	-16	61	0
16	LMFP16LUU	190	LMKP16LUU	165	16		28		70	-300
20	LMFP20LUU	260	LMKP20LUU	225	20		32	0	80	
25	LMFP25LUU	540	LMKP25LUU	500	25	-12	40	-19	112	
30	LMFP30LUU	680	LMKP30LUU	590	30		45		123	
35	LMFP35LUU	1,020	LMKP35LUU	930	35		52	0	135	0
40	LMFP40LUU	1,570	LMKP40LUU	1,380	40	-15	60	-22	151	-400
50	LMFP50LUU	3,600	LMKP50LUU	3,400	50		80		192	
60	LMFP60LUU	4,500	LMKP60LUU	4,060	60	0	90	0	209	
80	LMFP80LUU	9,090	LMKP80LUU	8,590	80	-20	120	-25	265	

密封型 Seal type: LMFP20 L A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A 镀镍				A Nickle plated

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange										Dynamic C N	静负荷 Static Co N
I mm	Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm				
5	28	22	5	20	3.5	6	3.1	15	15	323	529
5	32	25	5	24	3.5	6	3.1			431	781
6	40	30	6	29	4.5	7.5	4.1			588	1,100
6	42	32	6	32	4.5	7.5	4.1			813	1,570
6	43	34	6	33	4.5	7.5	4.1			813	1,570
6	48	37	6	38	4.5	7.5	4.1			1,230	2,350
8	54	42	8	43	5.5	9	5.1			1,400	2,740
8	62	50	8	51	5.5	9	5.1			1,560	3,140
10	74	58	10	60	6.6	11	6.1			2,490	5,490
10	82	64	10	67	6.6	11	6.1			2,650	6,270
13	96	75	13	78	9	14	8.1	25	25	3,430	8,040
13	116	92	13	98	9	14	8.1			6,080	15,900
18	134	106	18	112	11	17	11.1			7,550	20,000
18	164	136	18	142	11	17	11.1	30	30	11,500	32,000

密封型 Seal type:

LMFP20 L A UU

不标	不带密封
UU	双密封

No entry	No seals
UU	Seal on both sides

A	Nickle plated
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国际单位: 1N≈0.102kgf
SI UNIT: 1N≈0.102kgf

LMF(K)P…LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)P…LGA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

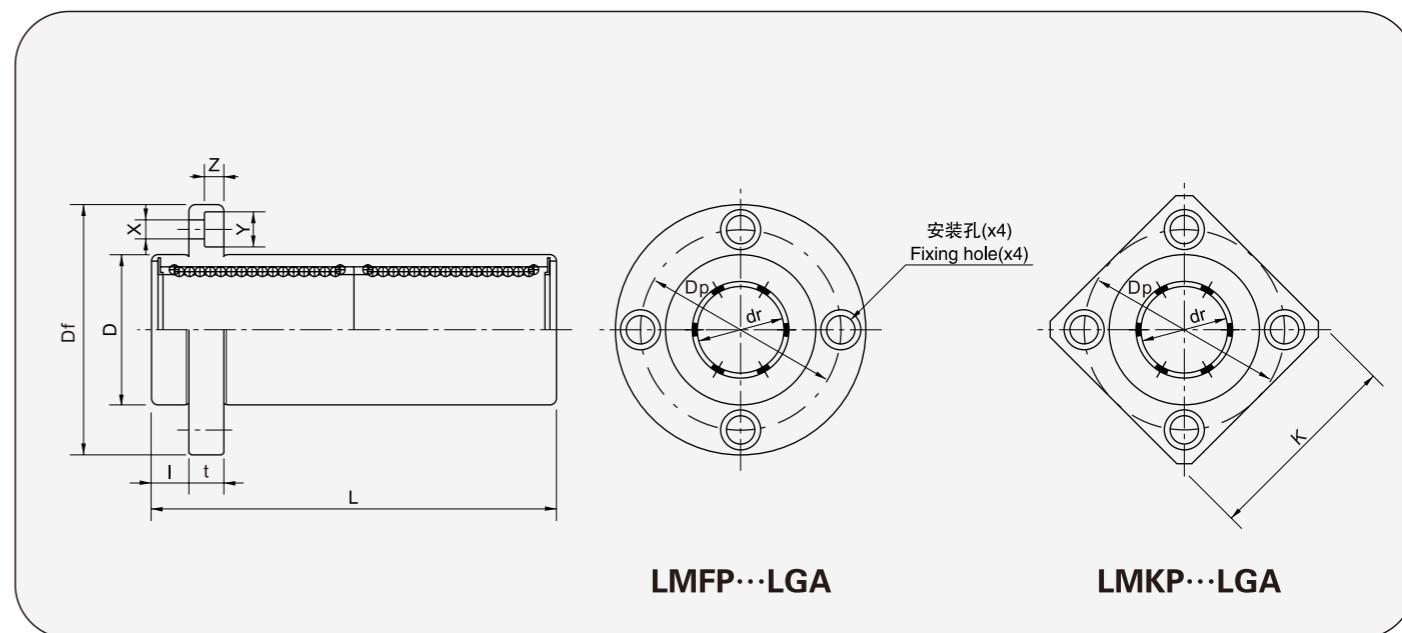
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMFP…LGA



LMKP…LGA



LMFP…LGA

LMKP…LGA

公称轴径 Nominal shaft diameter mm	加长导向圆法兰 LMFP…LGA	重量 Weight (g)	加长导向方法兰 LMKP…LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMFP6LGA	33.6	LMKP6LGA	27.6	6		12	0	35	
8	LMFP8LGA	55.6	LMKP8LGA	47.6	8		15	-13	45	± 300
10	LMFP10LGA	103	LMKP10LGA	83	10	0	19		55	
12	LMFP12LGA	120.4	LMKP12LGA	100.4	12	-10	21		57	
13	LMFP13LGA	144	LMKP13LGA	122	13		23	0 -16	61	0
16	LMFP16LGA	224	LMKP16LGA	199	16		28		70	-300
20	LMFP20LGA	310	LMKP20LGA	275	20		32	0 -12	80	
25	LMFP25LGA	664	LMKP25LGA	624	25		40	0 -19	112	
30	LMFP30LGA	832	LMKP30LGA	742	30		45		123	
35	LMFP35LGA	1,218	LMKP35LGA	1,128	35		52		135	
40	LMFP40LGA	1,860	LMKP40LGA	1,670	40	0 -15	60	0 -22	151	0 -400
50	LMFP50LGA	3,600	LMKP50LGA	3,400	50		80		192	
60	LMFP60LGA	4,500	LMKP60LGA	4,060	60	0	90	0	209	
80	LMFP80LGA	9,090	LMKP80LGA	8,590	80	-20	120	-25	265	

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange										Dynamic C N	静负荷 Static Co N
I mm	Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm				
5	28	22	5	20	3.5	6	3.1	15	15	323	529
5	32	25	5	24	3.5	6	3.1			431	781
6	40	30	6	29	4.5	7.5	4.1			588	1,100
6	42	32	6	32	4.5	7.5	4.1			813	1,570
6	43	34	6	33	4.5	7.5	4.1			813	1,570
6	48	37	6	38	4.5	7.5	4.1			1,230	2,350
8	54	42	8	43	5.5	9	5.1			1,400	2,740
8	62	50	8	51	5.5	9	5.1			1,560	3,140
10	74	58	10	60	6.6	11	6.1			2,490	5,490
10	82	64	10	67	6.6	11	6.1			2,650	6,270
13	96	75	13	78	9	14	8.1	25	25	3,430	8,040
13	116	92	13	98	9	14	8.1			6,080	15,900
18	134	106	18	112	11	17	11.1			7,550	20,000
18	164	136	18	142	11	17	11.1	30	30	11,500	32,000

LMFP20 L A GA		A 镀镍		A Nickel plated	
6~8	合金钢保持架	6~8	Alloy steel retainer		
10~13	锌合金保持架	10~13	Zinc alloy retainer		
16~80	冷冲压钢保持架	16~80	Cold-formed steel retainer		

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMHP...UU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMHP...UU (Resin retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.

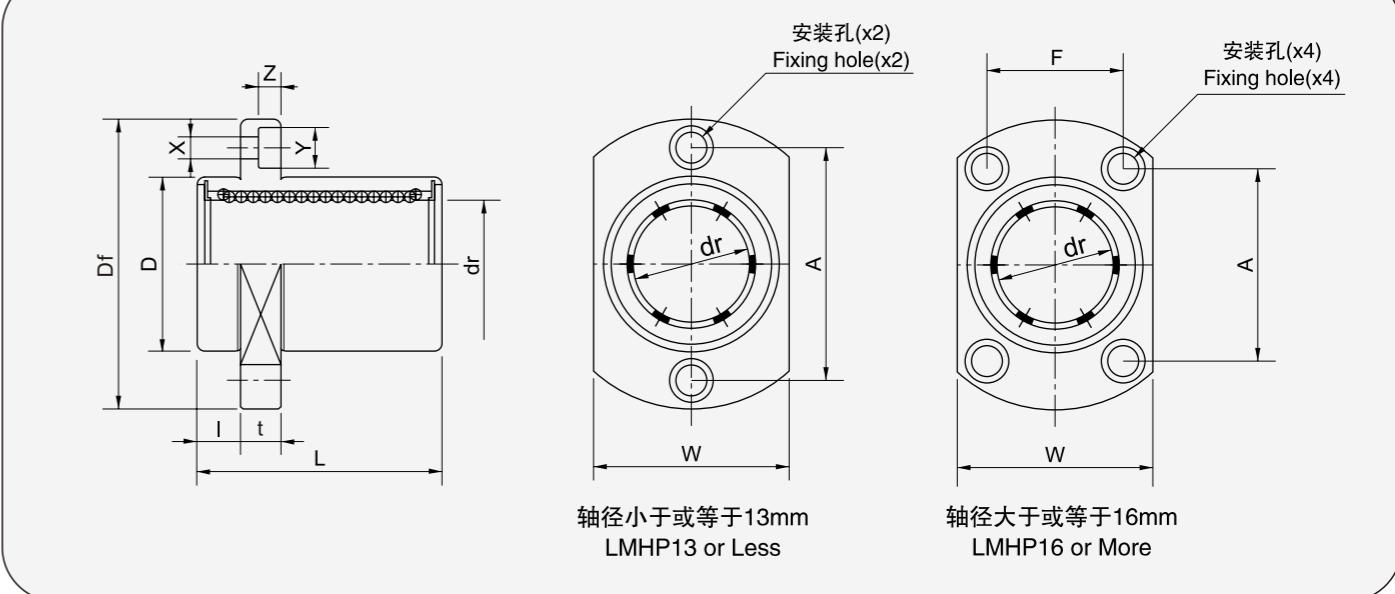


LMHP...UU

公称轴径 Nominal shaft diameter mm	导向椭圆法兰 LMHP...UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMHP6UU	21	6	0 -9 0 -10	12	0	19	± 300
8	LMHP8UU	33	8		15	-13	24	
10	LMHP10UU	64	10		19		29	
12	LMHP12UU	68	12		21	0	30	
13	LMHP13UU	81	13		23	-16	32	
16	LMHP16UU	112	16		28		37	-200
20	LMHP20UU	167	20		32		42	
25	LMHP25UU	325	25		40	0	59	
30	LMHP30UU	388	30		45	-19	64	
35	LMHP35UU	580	35		52	0	70	
40	LMHP40UU	920	40	-12	60	-22	80	

密封型 Seal type:

LMHP20 A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A 镀镍	A	Nickle plated		



主要尺寸和公差 Major dimensions and tolerance									偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange											Dynamic C N	静负荷 Static Co N
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm				
5	28	18	5	20	-	3.5	6	3.1	12	12	206	265
5	32	21	5	24	-	3.5	6	3.1			274	392
6	40	25	6	29	-	4.5	7.5	4.1			372	549
6	42	27	6	32	-	4.5	7.5	4.1			510	784
6	43	29	6	33	-	4.5	7.5	4.1			510	784
6	48	34	6	31	22	4.5	7.5	4.1			774	1,180
8	54	38	8	36	24	5.5	9	5.1			882	1,370
8	62	46	8	40	32	5.5	9	5.1			980	1,570
10	74	51	10	49	35	6.6	11	6.1			1,570	2,740
10	82	60	10	55	38	6.6	11	6.1			1,670	3,140
13	96	70	13	64	45	9	14	8.1	20	20	2,160	4,020

国际单位: 1N≈0.102kgf
SI UNIT: 1N≈0.102kgf

LMHP…GA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

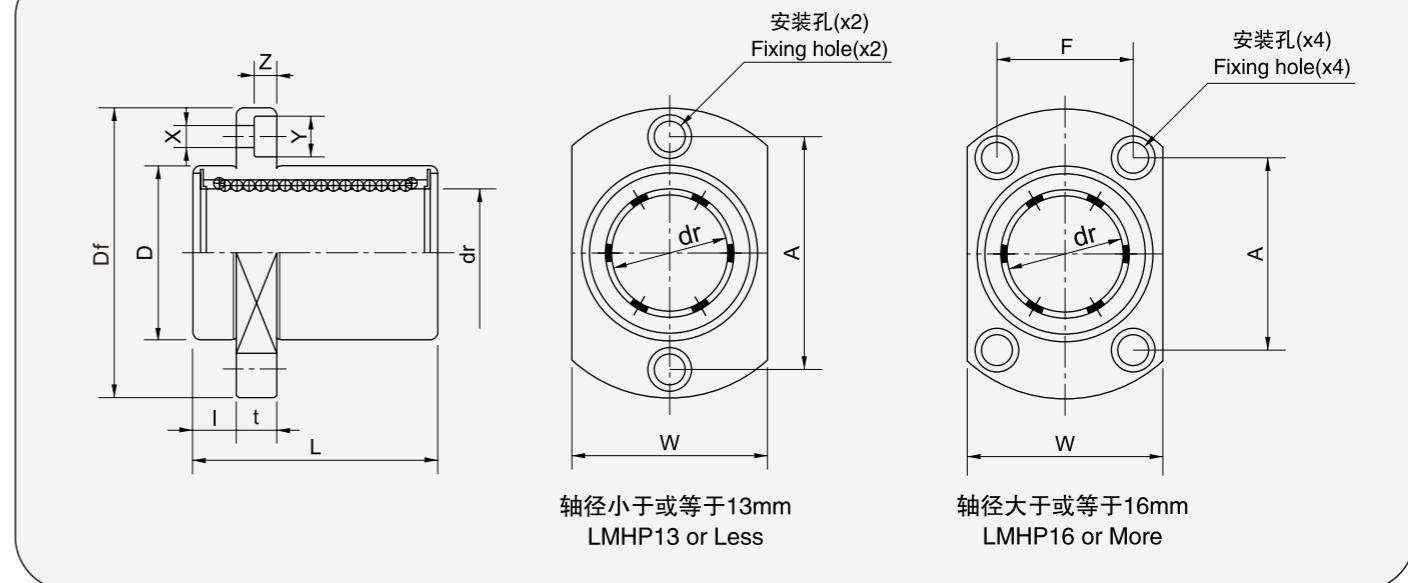
LMHP…GA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMHP…GA



公称轴径 Nominal shaft diameter mm	导向桶圆法兰 LMHP…GA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMHP6GA	22.3	6		12	0	19	
8	LMHP8GA	35.3	8		15	-13	24	±300
10	LMHP10GA	65.5	10	0	19		29	
12	LMHP12GA	73.2	12	-9	21	0	30	
13	LMHP13GA	88	13		23	-16	32	0
16	LMHP16GA	129	16		28		37	-200
20	LMHP20GA	192	20		32	0	42	
25	LMHP25GA	387	25		40	-19	59	
30	LMHP30GA	464	30		45		64	0
35	LMHP35GA	679	35	0	52	0	70	-300
40	LMHP40GA	1,065	40	-12	60	-22	80	

主要尺寸和公差 Major dimensions and tolerance									偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange											Dynamic C N	静负荷 Static Co N
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm				
5	28	18	5	20	-	3.5	6	3.1	12	12	206	265
5	32	21	5	24	-	3.5	6	3.1			274	392
6	40	25	6	29	-	4.5	7.5	4.1			372	549
6	42	27	6	32	-	4.5	7.5	4.1			510	784
6	43	29	6	33	-	4.5	7.5	4.1			510	784
6	48	34	6	31	22	4.5	7.5	4.1			774	1,180
8	54	38	8	36	24	5.5	9	5.1			882	1,370
8	62	46	8	40	32	5.5	9	5.1			980	1,570
10	74	51	10	49	35	6.6	11	6.1			1,570	2,740
10	82	60	10	55	38	6.6	11	6.1			1,670	3,140
13	96	70	13	64	45	9	14	8.1	20	20	2,160	4,020

LMHP20 A GA		A 镀镍		A Nickel plated	
6~8	合金钢保持架	6~8	Alloy steel retainer	6~8	Alloy steel retainer
10~13	锌合金保持架	10~13	Zinc alloy retainer	10~13	Zinc alloy retainer
16~40	冷冲压钢保持架	16~40	Cold-formed steel retainer	16~40	Cold-formed steel retainer

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMHP…LUU 尼龙保持架

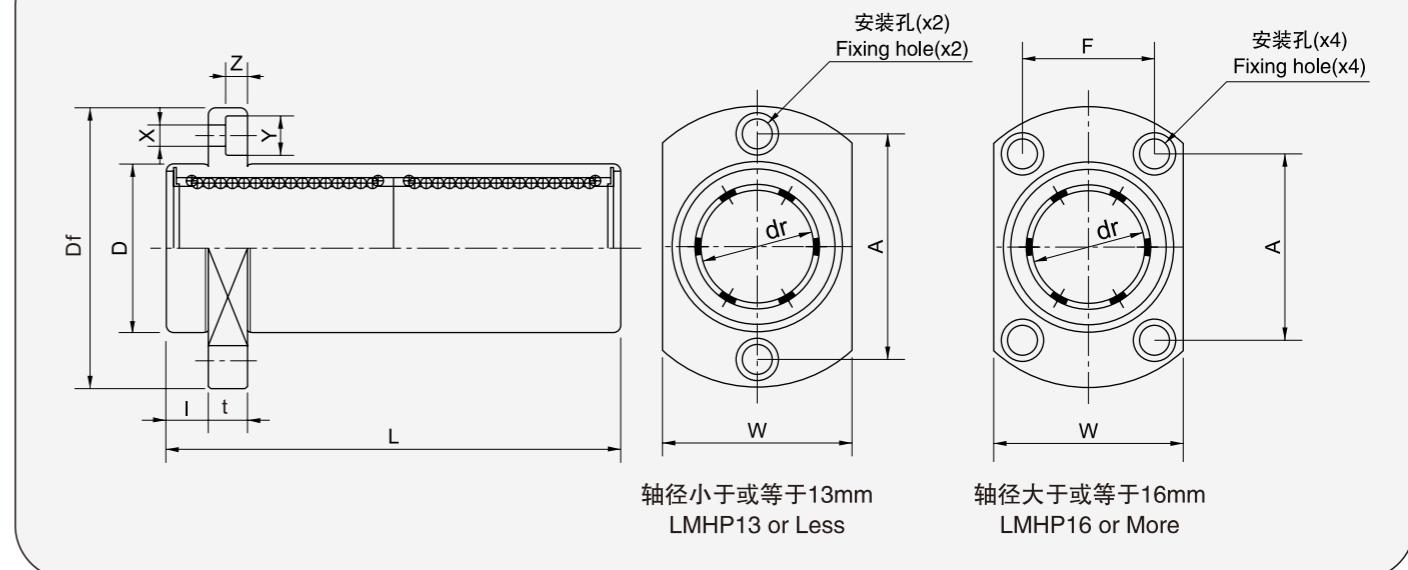
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所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMHP…LUU Resin retainer)

This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



LMHP…LUU



公称轴径 Nominal shaft diameter mm	加长导向椭圆法兰 LMHP…LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMHP6LUU	28	6	0 -10 -12	12	0	35	± 300
8	LMHP8LUU	47	8		15	-13	45	
10	LMHP10LUU	90	10		19		55	
12	LMHP12LUU	102	12		21	0	57	
13	LMHP13LUU	123	13		23	-16	61	0
16	LMHP16LUU	182	16		28		70	-300
20	LMHP20LUU	247	20		32	0	80	
25	LMHP25LUU	525	25		40	-19	112	
30	LMHP30LUU	645	30		45		123	0
35	LMHP35LUU	950	35		52	0	135	-400
40	LMHP40LUU	1,450	40	-15	60	-22	151	

密封型 Seal type: LMHP20 L A UU	不标	不带密封	No entry	No seals
	UU	双密封		
A 镀镍	A	Nickle plated		

主要尺寸和公差 Major dimensions and tolerance									偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating			
法兰 Flange											Dyn Dynamic C N	St Static Co N		
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm						
5	28	18	5	20	-	3.5	6	3.1	15	15	323	529		
5	32	21	5	24	-	3.5	6	3.1			431	784		
6	40	25	6	29	-	4.5	7.5	4.1			588	1,100		
6	42	27	6	32	-	4.5	7.5	4.1			813	1,570		
6	43	29	6	33	-	4.5	7.5	4.1			813	1,570		
6	48	34	6	31	22	4.5	7.5	4.1			1,230	2,350		
8	54	38	8	36	24	5.5	9	5.1			1,400	2,740		
8	62	46	8	40	32	5.5	9	5.1			1,560	3,140		
10	74	51	10	49	35	6.6	11	6.1			2,490	5,490		
10	82	60	10	55	38	6.6	11	6.1			2,650	6,270		
13	96	70	13	64	45	9	14	8.1	25	25	3,430	8,040		

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMHP…LGA 耐高温保持架

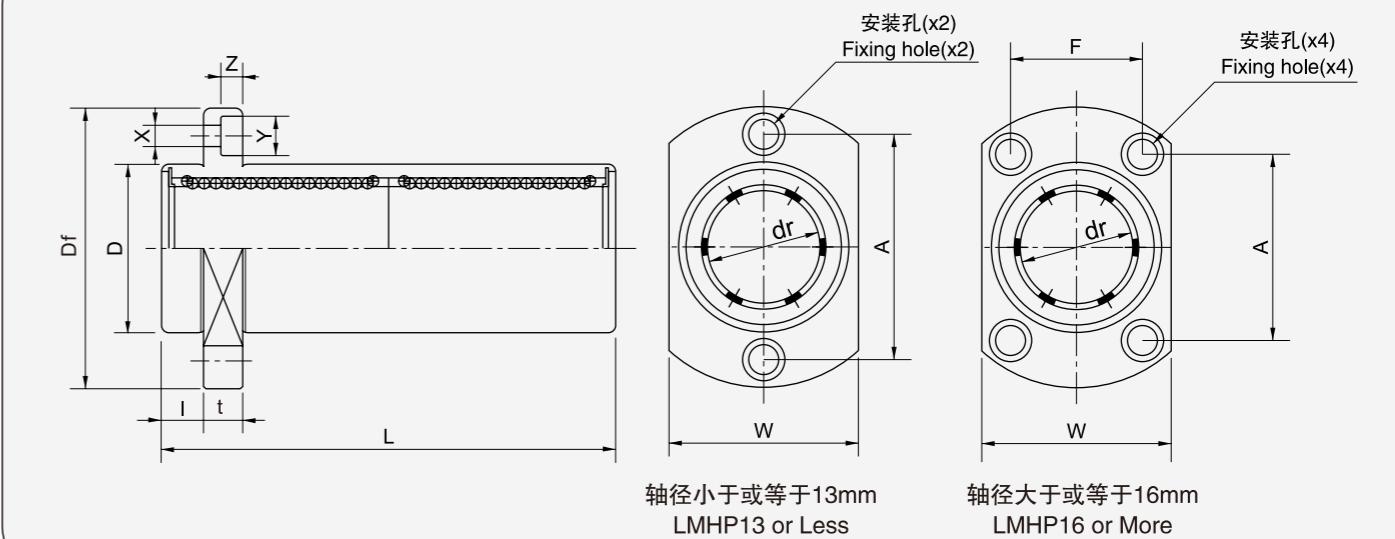
该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMHP…LGA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMHP…LGA



公称轴径 Nominal shaft diameter mm	加长导向椭圆法兰 LMHP…LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm
6	LMHP6LGA	30.6	6	0 -10	12	0	35	± 300
8	LMHP8LGA	51.6	8		15	-13	45	
10	LMHP10LGA	95	10		19		55	
12	LMHP12LGA	112.4	12		21	0	57	
13	LMHP13LGA	137	13		23	-16	61	0
16	LMHP16LGA	216	16		28		70	-300
20	LMHP20LGA	297	20		32	0	80	
25	LMHP25LGA	649	25		40	-19	112	
30	LMHP30LGA	797	30		45		123	
35	LMHP35LGA	1,148	35		52	0	135	
40	LMHP40LGA	1,740	40	-15	60	-22	151	

主要尺寸和公差 Major dimensions and tolerance									偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating			
法兰 Flange											Dynamic C N	静负荷 Static C o N		
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm						
5	28	18	5	20	-	3.5	6	3.1	15	15	323	529		
5	32	21	5	24	-	3.5	6	3.1			431	784		
6	40	25	6	29	-	4.5	7.5	4.1			588	1,100		
6	42	27	6	32	-	4.5	7.5	4.1			813	1,570		
6	43	29	6	33	-	4.5	7.5	4.1			813	1,570		
6	48	34	6	31	22	4.5	7.5	4.1			1,230	2,350		
8	54	38	8	36	24	5.5	9	5.1			1,400	2,740		
8	62	46	8	40	32	5.5	9	5.1			1,560	3,140		
10	74	51	10	49	35	6.6	11	6.1			2,490	5,490		
10	82	60	10	55	38	6.6	11	6.1			2,650	6,270		
13	96	70	13	64	45	9	14	8.1	25	25	3,430	8,040		

LMHP20 L A GA	
A	镀镍
6~8	合金钢保持架
10~13	锌合金保持架
16~40	冷冲压钢保持架
	A Nickle plated
6~8	Alloy steel retainer
10~13	Zinc alloy retainer
16~40	Cold-formed steel retainer

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMF(K)M···LUU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)M···LUU (Resin retainer)

This type is a metric dimension series widely used in Asia and other countries.

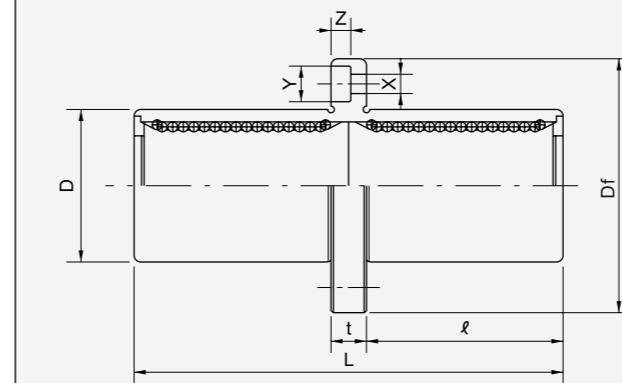
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



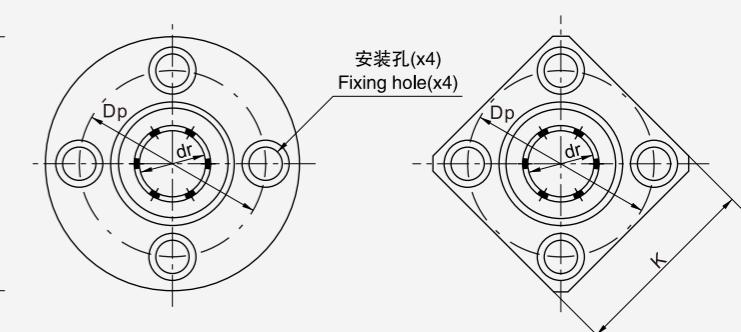
LMFM···LUU



LMKM···LUU



LMFM···LUU



LMKM···LUU

公称轴径 Nominal shaft diameter mm	加长中间圆法兰 LMFM···LUU	重量 Weight (g)	加长中间方法兰 LMKM···LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMFM6LUU	31	LMKM6LUU	25	6		12	0	35	
8	LMFM8LUU	51	LMKM8LUU	43	8		15	-13	45	± 300
10	LMFM10LUU	98	LMKM10LUU	78	10	0	19		55	
12	LMFM12LUU	110	LMKM12LUU	90	12	-10	21	0	57	
13	LMFM13LUU	130	LMKM13LUU	108	13		23	-16	61	0
16	LMFM16LUU	190	LMKM16LUU	165	16		28		70	-300
20	LMFM20LUU	260	LMKM20LUU	225	20		32	0	80	
25	LMFM25LUU	540	LMKM25LUU	500	25	0	40	-19	112	
30	LMFM30LUU	680	LMKM30LUU	590	30	-12	45		123	
35	LMFM35LUU	1,020	LMKM35LUU	930	35	0	52	0	135	0
40	LMFM40LUU	1,570	LMKM40LUU	1,380	40	-15	60	-22	151	-400
50	LMFM50LUU	3,600	LMKM50LUU	3,400	50		80		192	
60	LMFM60LUU	4,500	LMKM60LUU	4,060	60	0	90	0	209	
80	LMFM80LUU	9,090	LMKM80LUU	8,590	80	-20	120	-25	265	

密封型 Seal type: LMFM20 L A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
	A	镀镍	A	Nickle plated

主要尺寸和公差 Major dimensions and tolerance	法兰 Flange								Eccentricity 偏心 Eccentricity Dynamic Static	垂直度 Squareness Dynamic Static	额定负荷 Basic load rating	
	L mm	Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm				
15	28	22	5	20	3.5	6	3.1				323	529
20	32	25	5	24	3.5	6	3.1				431	781
24.5	40	30	6	29	4.5	7.5	4.1				588	1,100
25.5	42	32	6	32	4.5	7.5	4.1				813	1,570
27.5	43	34	6	33	4.5	7.5	4.1				813	1,570
32	48	37	6	38	4.5	7.5	4.1				1,230	2,350
36	54	42	8	43	5.5	9	5.1				1,400	2,740
52	62	50	8	51	5.5	9	5.1				1,560	3,140
56.5	74	58	10	60	6.6	11	6.1				2,490	5,490
62.5	82	64	10	67	6.6	11	6.1				2,650	6,270
69	96	75	13	78	9	14	8.1				3,430	8,040
89.5	116	92	13	98	9	14	8.1				6,080	15,900
95.5	134	106	18	112	11	17	11.1				7,550	20,000
123.5	164	136	18	142	11	17	11.1				11,500	32,000

LMF(K)M···LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMF(K)M···LGA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

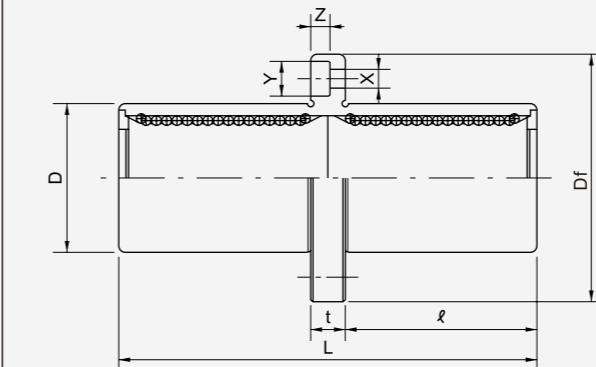
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



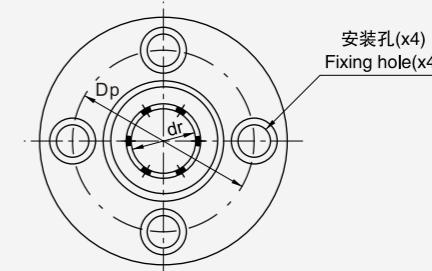
LMFM···LGA



LMKM···LGA



LMFM···LGA



LMKM···LGA

公称轴径 Nominal shaft diameter mm	加长中间圆法兰 LMFM···LGA	重量 Weight (g)	加长中间方法兰 LMKM···LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMFM6LGA	33.6	LMKM6LGA	27.6	6		12	0	35	
8	LMFM8LGA	55.6	LMKM8LGA	47.6	8		15	-13	45	± 300
10	LMFM10LGA	103	LMKM10LGA	83	10	0	19		55	
12	LMFM12LGA	120.4	LMKM12LGA	100.4	12	-10	21		57	
13	LMFM13LGA	144	LMKM13LGA	122	13		23	0	61	0
16	LMFM16LGA	224	LMKM16LGA	199	16		28	-16	70	-300
20	LMFM20LGA	310	LMKM20LGA	275	20		32	0	80	
25	LMFM25LGA	664	LMKM25LGA	624	25	-12	40	-19	112	
30	LMFM30LGA	832	LMKM30LGA	742	30		45		123	0
35	LMFM35LGA	1,218	LMKM35LGA	1,128	35		52		135	-400
40	LMFM40LGA	1,860	LMKM40LGA	1,670	40	-15	60	0	151	
50	LMFM50LGA	3,600	LMKM50LGA	3,400	50		80	-22	192	
60	LMFM60LGA	4,500	LMKM60LGA	4,060	60	0	90	0	209	
80	LMFM80LGA	9,090	LMKM80LGA	8,590	80	-20	120	-25	265	

LMFM20 L A GA		A 镀镍		A Nickel plated	
6~8	合金钢保持架	6~8	Alloy steel retainer	10~13	Zinc alloy retainer
10~13	锌合金保持架	10~13	Zinc alloy retainer	16~80	Cold-formed steel retainer
16~80	冷冲压钢保持架	16~80	Cold-formed steel retainer		

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating						
法兰 Flange								D _f mm	K mm	t mm	D _p mm	X mm	Y mm	Z mm	Dynamic C N	Static Co N
15	28	22	5	20	3.5	6	3.1							323	529	
20	32	25	5	24	3.5	6	3.1							431	781	
24.5	40	30	6	29	4.5	7.5	4.1							588	1,100	
25.5	42	32	6	32	4.5	7.5	4.1							813	1,570	
27.5	43	34	6	33	4.5	7.5	4.1							813	1,570	
32	48	37	6	38	4.5	7.5	4.1							1,230	2,350	
36	54	42	8	43	5.5	9	5.1							1,400	2,740	
52	62	50	8	51	5.5	9	5.1							1,560	3,140	
56.5	74	58	10	60	6.6	11	6.1							2,490	5,490	
62.5	82	64	10	67	6.6	11	6.1							2,650	6,270	
69	96	75	13	78	9	14	8.1							3,430	8,040	
89.5	116	92	13	98	9	14	8.1							6,080	15,900	
95.5	134	106	18	112	11	17	11.1							7,550	20,000	
123.5	164	136	18	142	11	17	11.1							11,500	32,000	

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMHM···LUU 尼龙保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀锌处理，有防锈作用。

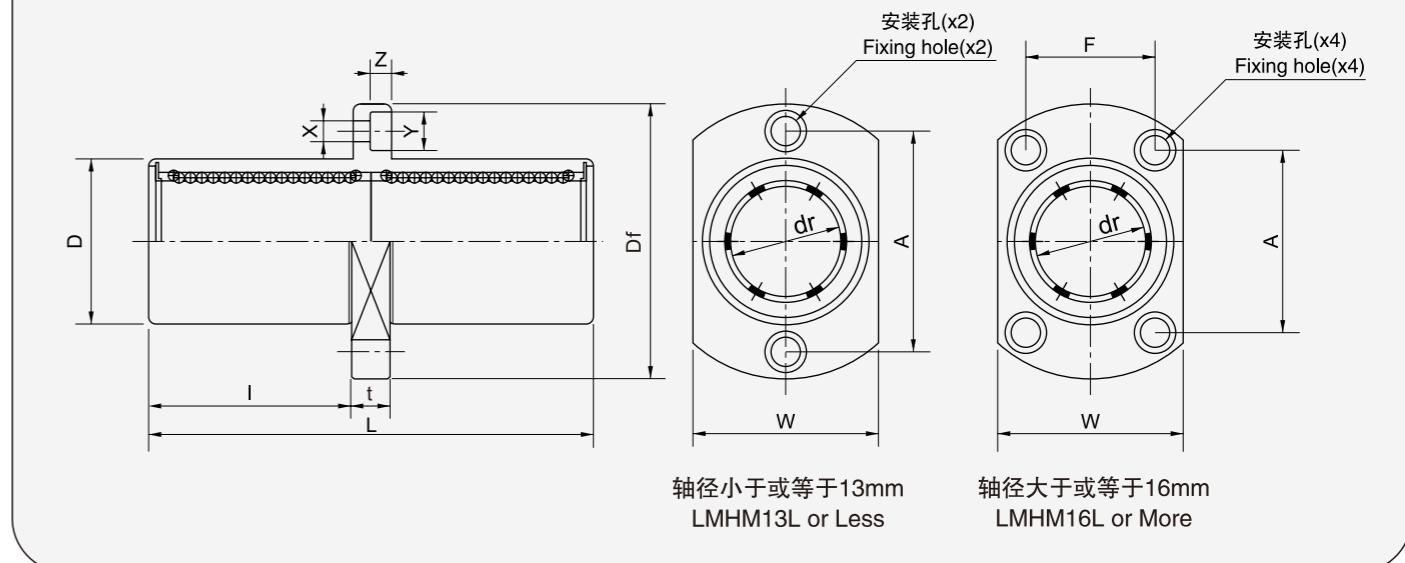
LMHM···LUU (Resin retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMHM···LUU



公称轴径 Nominal shaft diameter mm	加长中间椭圆法兰 LMHM···LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm
6	LMHM6LUU	28	6	0 -10 -12	12	0	35	± 300
8	LMHM8LUU	47	8		15	-13	45	
10	LMHM10LUU	90	10		19		55	
12	LMHM12LUU	102	12		21	0	57	0 -300
13	LMHM13LUU	123	13		23	-16	61	
16	LMHM16LUU	182	16		28		70	
20	LMHM20LUU	247	20		32	0	80	0 -400
25	LMHM25LUU	525	25		40	-19	112	
30	LMHM30LUU	645	30		45		123	
35	LMHM35LUU	950	35	0	52	0	135	-400
40	LMHM40LUU	1,450	40	-15	60	-22	151	

密封型 Seal type: LMHM20 L A UU	不标		No entry		No seals	
	UU	双密封	UU	Seal on both sides	A	Nickle plated

主要尺寸和公差 Major dimensions and tolerance									偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange											Dyn Dynamic C N	St Static Co N
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm				
15	28	18	5	20	-	3.5	6	3.1	15	15	323	529
20	32	21	5	24	-	3.5	6	3.1			431	784
24.5	40	25	6	29	-	4.5	7.5	4.1			588	1,100
25.5	42	27	6	32	-	4.5	7.5	4.1			813	1,570
27.5	43	29	6	33	-	4.5	7.5	4.1			813	1,570
32	48	34	6	31	22	4.5	7.5	4.1			1,230	2,350
36	54	38	8	36	24	5.5	9	5.1			1,400	2,740
52	62	46	8	40	32	5.5	9	5.1			1,560	3,140
56.5	74	51	10	49	35	6.6	11	6.1			2,490	5,490
62.5	82	60	10	55	38	6.6	11	6.1			2,650	6,270
69	96	70	13	64	45	9	14	8.1			3,430	8,040

密封型 Seal type:
LMHM20 L A UU

国际单位: 1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

LMHM···LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

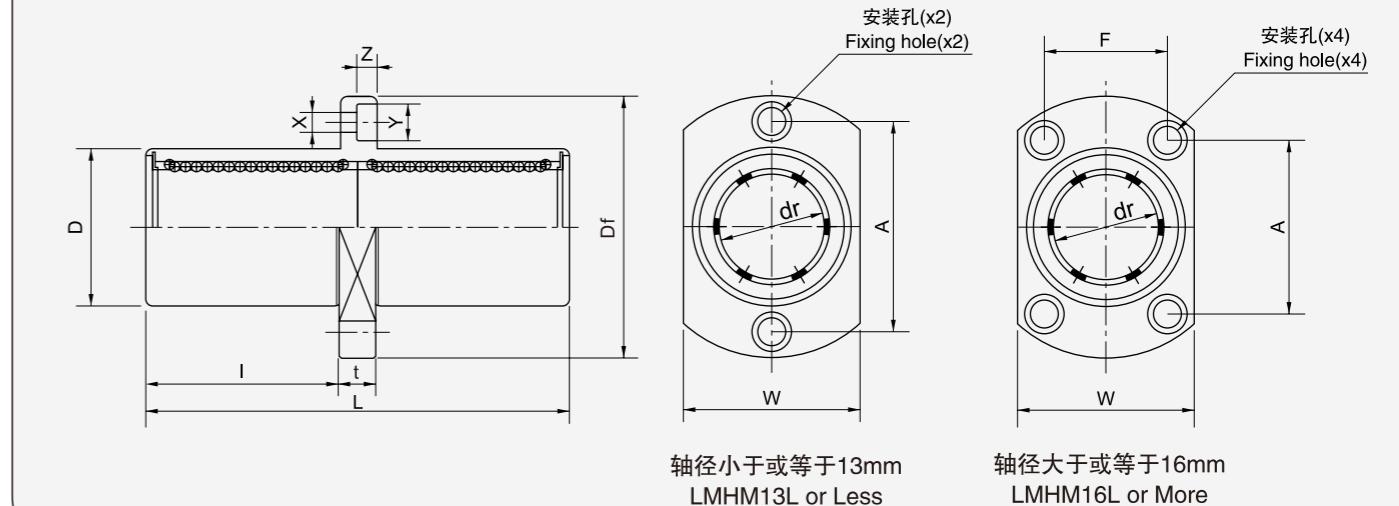
LMHM···LGA (High-temperature Resistant Retainer)

This type is a metric dimension series widely used in Asia and other countries.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMHM···LGA



公称轴径 Nominal shaft diameter mm	加长中间椭圆法兰 LMHM···LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm
6	LMHM6LGA	30.6	6	0 -10 -12 0 -19 0 -400	12	0	35	± 300 0 -300 0 -400
8	LMHM8LGA	51.6	8		15	-13	45	
10	LMHM10LGA	95	10		19		55	
12	LMHM12LGA	112.4	12		21	0	57	
13	LMHM13LGA	137	13		23	-16	61	
16	LMHM16LGA	216	16		28		70	
20	LMHM20LGA	297	20		32		80	
25	LMHM25LGA	649	25		40	0 -19	112	
30	LMHM30LGA	797	30		45		123	
35	LMHM35LGA	1,148	35		52	0	135	
40	LMHM40LGA	1,740	40		60	-22	151	

LMHM20 L A GA	A 镀镍		A Nickel plated	
	6~8	合金钢保持架	6~8	Alloy steel retainer
	10~13	锌合金保持架	10~13	Zinc alloy retainer
	16~40	冷冲压钢保持架	16~40	Cold-formed steel retainer

主要尺寸和公差 Major dimensions and tolerance									偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange											Dynamic C N	静负荷 Static C o N
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm				
15	28	18	5	20	-	3.5	6	3.1	15	15	323	529
20	32	21	5	24	-	3.5	6	3.1			431	784
24.5	40	25	6	29	-	4.5	7.5	4.1			588	1,100
25.5	42	27	6	32	-	4.5	7.5	4.1			813	1,570
27.5	43	29	6	33	-	4.5	7.5	4.1			813	1,570
32	48	34	6	31	22	4.5	7.5	4.1			1,230	2,350
36	54	38	8	36	24	5.5	9	5.1			1,400	2,740
52	62	46	8	40	32	5.5	9	5.1			1,560	3,140
56.5	74	51	10	49	35	6.6	11	6.1			2,490	5,490
62.5	82	60	10	55	38	6.6	11	6.1			2,650	6,270
69	96	70	13	64	45	9	14	8.1			3,430	8,040

国际单位：1N≈0.102kgf
SI UNIT: 1N≈0.102kgf

LMEF(K)M···LUU 尼龙保持架

该类型尺寸是公制的，广泛应用于欧洲。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMEF(K)M···LUU (Resin retainer)

This type is a metric dimension series generally used in Europe.

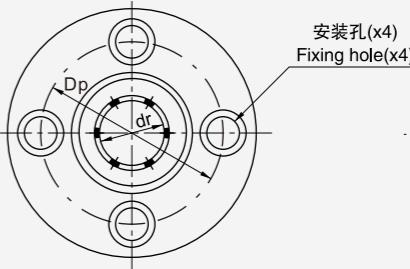
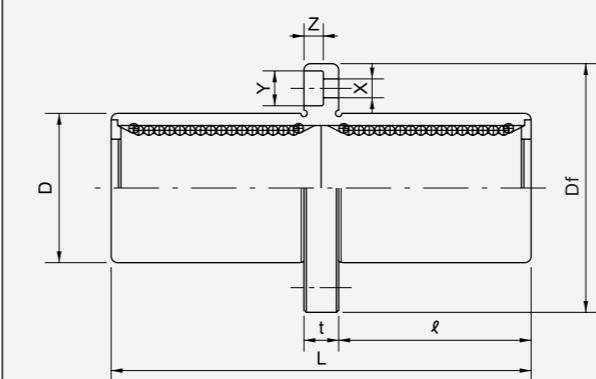
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



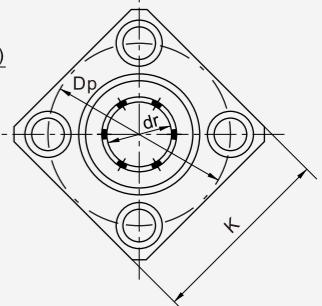
LMEFM···LUU



LMEKM···LUU



LMEFM···LUU



LMEKM···LUU

公称轴径 Nominal shaft diameter mm	加长中间圆法兰 LMEFM···LUU	重量 Weight (g)	加长中间方法兰 LMEKM···LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
8	LMEFM8LUU	59	LMEKM8LUU	51	8	+9	16	0 -9	46	± 300
12	LMEFM12LUU	110	LMEKM12LUU	90	12	-1	22	0	61	0 -300
16	LMEFM16LUU	160	LMEKM16LUU	135	16	+11	26	-11	68	
20	LMEFM20LUU	260	LMEKM20LUU	225	20	-1	32	0	80	-300
25	LMEFM25LUU	540	LMEKM25LUU	500	25	+13	40	-13	112	
30	LMEFM30LUU	815	LMEKM30LUU	720	30	-2	47	0	123	-400
40	LMEFM40LUU	1,850	LMEKM40LUU	1,600	40	+16	62	0	151	
50	LMEFM50LUU	2,820	LMEKM50LUU	2,620	50	-4	75	-15	192	-400
60	LMEFM60LUU	4,920	LMEKM60LUU	4,480	60	+19	90	0	209	
80	LMEFM80LUU	9,090	LMEKM80LUU	8,590	80	-6	120	-20	265	

密封型 Seal type:		SI UNIT: 1N≈0.102kgf	
LMEFM20 L A UU			
不标	不带密封	No entry	No seals
UU	双密封	UU	Seal on both sides
A 镀镍		Nickel plated	

法兰 Flange	主要尺寸和公差 Major dimensions and tolerance								Eccentricity	Squareness	额定负荷 Basic load rating				
	法兰 Flange														
	l mm	Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm							
20.5	32	25	5	24	3.5	6	3.1				421	804			
27.5	42	32	6	32	4.5	7.5	4.1	15		15	813	1,570			
31	46	35	6	36	4.5	7.5	4.1				912	1,780			
36	54	42	8	43	5.5	9	5.1				1,370	2,740			
52	62	50	8	51	5.5	9	5.1	17		17	1,570	3,140			
56.5	76	60	10	62	6.6	11	6.1				2,500	5,490			
69	98	75	13	80	9	14	8.1	20		20	3,430	8,040			
89.5	112	88	13	94	9	14	8.1				6,080	15,900			
95.5	134	106	18	112	11	17	11.1	25		25	7,550	20,000			
123.5	164	136	18	142	11	17	11.1	30		30	11,500	32,200			

LMEF(K)M…LGA 耐高温保持架

该类型尺寸是公制的，广泛应用于欧洲。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMEF(K)M…LGA (High-temperature Resistant Retainer)

This type is a metric dimension series generally used in Europe.

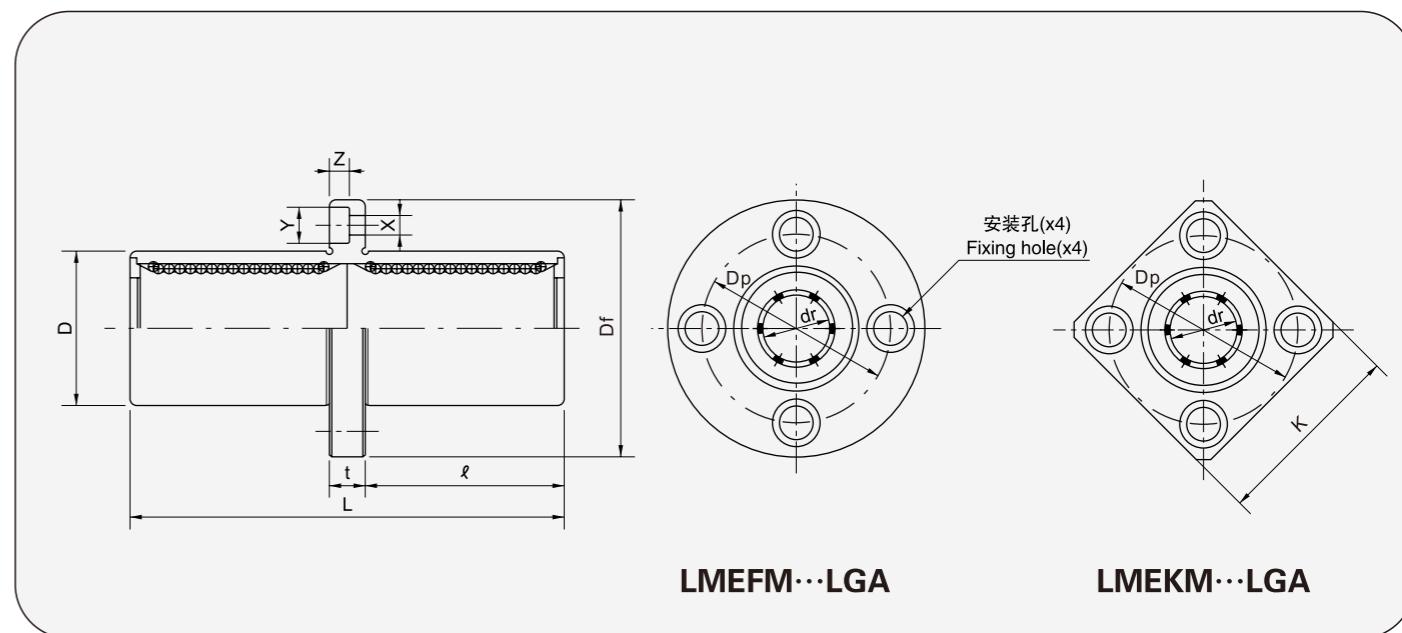
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMEFM…LGA



LMEKM…LGA



LMEFM…LGA

LMEKM…LGA

公称轴径 Nominal shaft diameter mm	加长中间圆法兰 LMEFM…LGA	重量 Weight (g)	加长中间方法兰 LMEKM…LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
8	LMEFM8LGA	69.4	LMEKM8LGA	61.4	8	+9	16	0 -9	46	±300
12	LMEFM12LGA	133.8	LMEKM12LGA	113.8	12	-1	22	0	61	0
16	LMEFM16LGA	193	LMEKM16LGA	168	16	+11	26	-11	68	-300
20	LMEFM20LGA	318.6	LMEKM20LGA	283.6	20	-1	32	0	80	
25	LMEFM25LGA	653.8	LMEKM25LGA	613.8	25	+13	40	-13	112	
30	LMEFM30LGA	999.6	LMEKM30LGA	904.6	30	-2	47	0 -13	123	
40	LMEFM40LGA	2,183.2	LMEKM40LGA	1,978.2	40	+16	62	0 -15	151	0
50	LMEFM50LGA	2,820	LMEKM50LGA	2,620	50	-4	75	0 -20	192	-400
60	LMEFM60LGA	4,920	LMEKM60LGA	4,480	60	+19	90	0	209	
80	LMEFM80LGA	9,090	LMEKM80LGA	8,590	80	-6	120	-20	265	

LMEFM20 L A GA	
A 镀镍	
8	合金钢保持架
12	锌合金保持架
16~80	冷冲压钢保持架
A 尼克尔镀层	
8	Alloy steel retainer
12	Zinc alloy retainer
16~80	Cold-formed steel retainer

国际单位：1N≈0.102kgf
SIUNIT: 1N≈0.102kgf

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squareness μm	额定负荷 Basic load rating	
法兰 Flange										Dynamic C N	静负荷 Static Co N
l mm	Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm				
20.5	32	25	5	24	3.5	6	3.1			421	804
27.5	42	32	6	32	4.5	7.5	4.1	15	15	813	1,570
31	46	35	6	36	4.5	7.5	4.1			912	1,780
36	54	42	8	43	5.5	9	5.1			1,370	2,740
52	62	50	8	51	5.5	9	5.1	17	17	1,570	3,140
56.5	76	60	10	62	6.6	11	6.1			2,500	5,490
69	98	75	13	80	9	14	8.1	20	20	3,430	8,040
89.5	112	88	13	94	9	14	8.1			6,080	15,900
95.5	134	106	18	112	11	17	11.1	25	25	7,550	20,000
123.5	164	136	18	142	11	17	11.1	30	30	11,500	32,200

LMBF(K)M···LUU 尼龙保持架

该类型轴承采用英制尺寸，主要是美洲采用。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMBF(K)M···LUU (Resin retainer)

This type is a metric dimension series mainly used in the America.

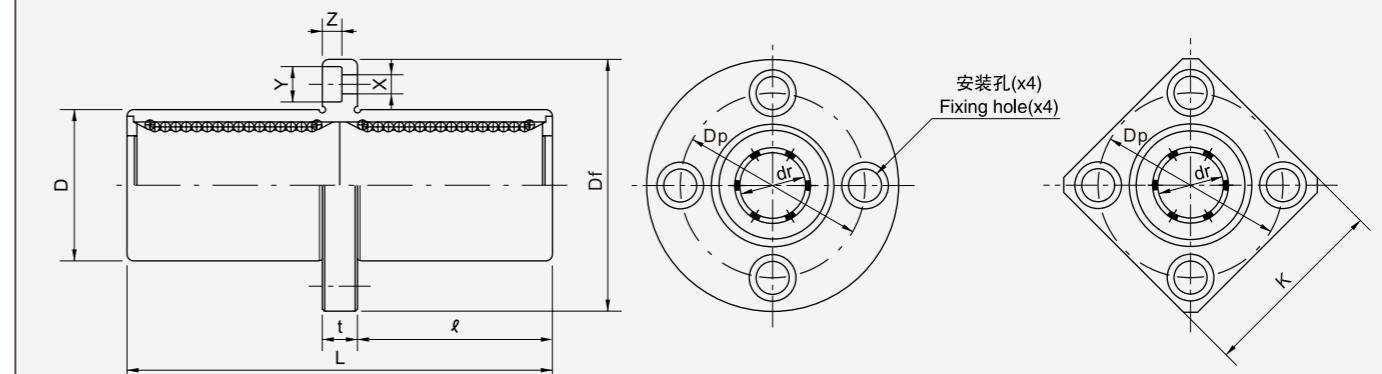
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMBFM···LUU



LMBKM···LUU



LMBFM···LUU

LMBKM···LUU

公称轴径 Nominal shaft diameter inch/mm	加长中间圆(方)法兰 LMBF(K)M···LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			Inch/mm	Tolerance Inch/ μ m	Inch/mm	Tolerance Inch/ μ m	Inch/mm	Tolerance Inch/ μ m
1/4 6.350	LMBFM4LUU LMBKM4LUU	40 33	.2500 6.350		.5000 12.700	0 -.00050 0 -13	1.3750 34.925	
3/8 9.525	LMBFM6LUU LMBKM6LUU	60 45	.3750 9.525	0 -.00040	.6250 15.875	0 -.00040	1.5938 40.481	$\pm .012$ ± 300
1/2 12.700	LMBFM8LUU LMBKM8LUU	126 106	.5000 12.700	0 -10	.8750 22.225	0 -.00065 0 -16	2.3750 60.325	
5/8 15.875	LMBFM10LUU LMBKM10LUU	215 200	.6250 15.875		1.1250 28.575	0 -.00050	2.8125 71.438	0 $-.012$ 0 -300
3/4 19.050	LMBFM12LUU LMBKM12LUU	280 240	.7500 19.050	0 -.00050	1.2500 31.750	0 -.00075	3.0937 78.581	
1 25.400	LMBFM16LUU LMBKM16LUU	515 470	1.0000 25.400	0 -12	1.5625 39.688	0 -19	4.2831 108.744	
1-1/4 31.750	LMBFM20LUU LMBKM20LUU	1,020 935	1.2500 31.750		2.0000 50.800	0 -.00090	5.0000 127.000	0 $-.016$
1-1/2 38.100	LMBFM24LUU LMBKM24LUU	1,630 1,460	1.5000 38.100	0 -.00065	2.3750 60.325	0 -22	5.6875 144.463	0 -400
2 50.800	LMBFM32LUU LMBKM32LUU	2,800 2,620	2.0000 50.800		3.0000 76.200	0 -.00100 0 -25	7.7500 196.850	

密封型 Seal type: LMBFM20 L A UU	不标	不带密封	No entry	No seals
	UU	双密封	UU	Seal on both sides
A	镀镍	A	Nickle plated	

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity Inch/ μ m	垂直度 Squareness Inch/ μ m	额定负荷 Basic load rating	
法兰 Flange										Dynamic C N	静负荷 Static Co N
l Inch/mm	Df Inch/mm	K Inch/mm	t Inch/mm	Dp Inch/mm	X Inch/mm	Y Inch/mm	Z Inch/mm				
.5781 14.684	1.2500 31.750	1.0000 25.400	0.2188 5.556	.8750 22.225	.1563 3.969	.2500 6.350	.1406 3.572			323	530
.6791 17.066	1.5000 38.100	1.2500 31.750	.2500 6.350	1.0625 26.988	.1875 4.763	.2969 7.541	.1719 4.366	.0006 15	.0006 15	353	630
1.0625 26.988	1.7500 44.450	1.3750 34.925	.2500 6.350	1.3125 33.338	.1875 4.763	.2969 7.541	.1719 4.366			813	1,570
1.2813 32.544	2.0000 50.800	1.5000 38.100	.2500 6.350	1.5625 39.688	.1875 4.763	.2969 7.541	.1719 4.366			1,230	2,350
1.3906 35.322	2.1875 55.563	1.6875 42.863	.3125 7.938	1.7188 43.656	.2188 5.556	.3438 8.731	.2031 5.159	.0008 20	.0008 20	1,370	2,740
1.9844 50.403	2.5000 63.500	2.0000 50.800	.3125 7.938	2.0313 51.594	.2188 5.556	.3438 8.731	.2031 5.159			1,570	3,140
2.3125 58.738	3.1250 79.375	2.5000 63.500	.3750 9.525	2.5625 65.088	.2813 7.144	.4063 10.319	.2656 6.747	.0010 25	.0010 25	2,500	5,490
2.5938 65.882	3.7500 95.250	3.0000 76.200	.5000 12.700	3.0625 77.788	.3437 8.731	.5000 12.700	.3281 8.334			3,430	8,040
3.6250 92.075	4.3750 111.125	3.5000 88.900	.5000 12.700	3.6875 93.662	.3437 8.731	.5000 12.700	.3281 8.334	.0012 30	.0012 30	6,080	15,900

国际单位: 1N≈0.225lbs
1kg≈2.205lbs
SIUNIT: 1N≈0.225lbs
1kg≈2.205lbs

法兰型行程轴承: STF(K)

可进行旋转运动、有限直线运动及复合运动; 可用螺丝固定安装法兰, 便于组装。

所有型号均可根据客户要求做镀镍处理, 有防锈作用。

Flanged Ordinary type: STF(K)

Flanged stroke bearing is a linear and rotational motion mechanism utilizing the rotational motion of ball elements between an outer cylinder and a shaft, which is easy assembling.

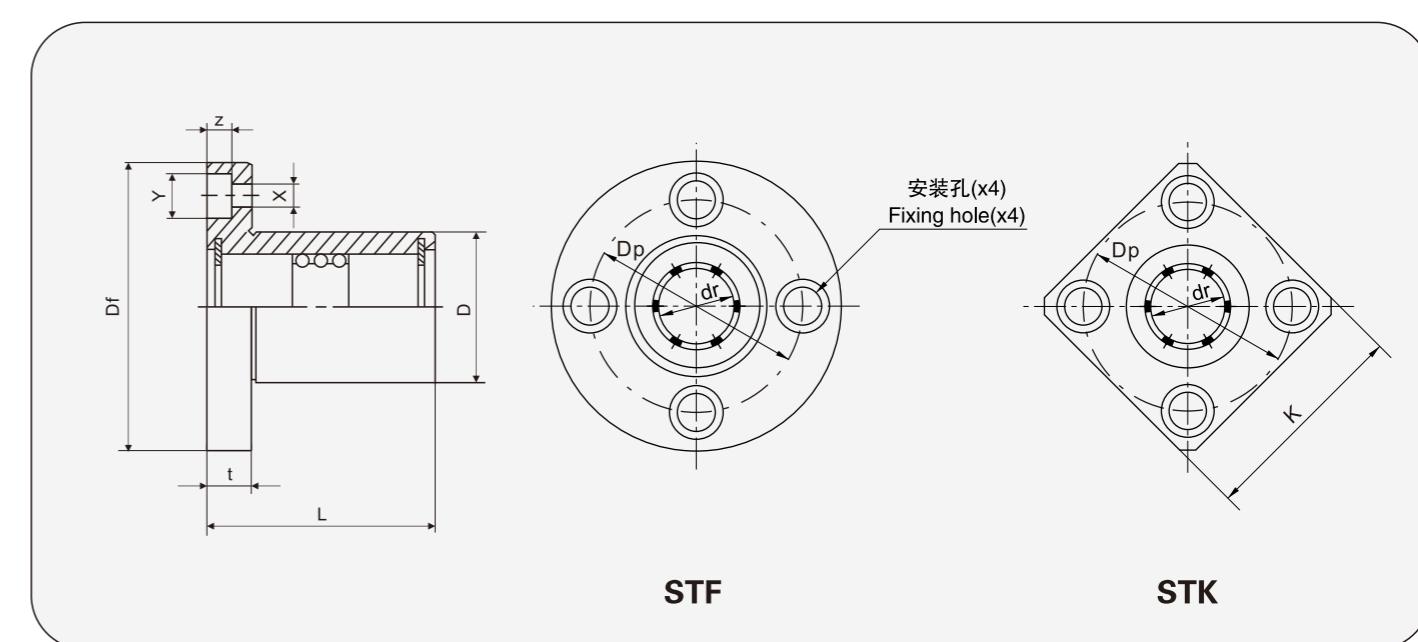
All models can be done with nickle plated according to customers' requirements, with function of rust-proof.



STF



STK



圆法兰 STF	重量 Weight (g)	方法法兰 STK	重量 Weight (g)	最大行程 Maximum stroke mm	钢球列数 Number of rows	主要尺寸和公差 Major dimensions and tolerance					
						dr		D		L	
						mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
STF6	25	STK6	19	20	3	6	+22 +13	12	0 -13	20	
STF8	37	STK8	29	24	3	8		15		24	
STF10	70	STK10	50	30	3	10		19		30	
STF12	87	STK12	71	32	3	12	+27 +16	23	0 -16	32	
STF13	87	STK13	71	32	3	13		23		32	
STF16	121	STK16	105	40	3	16		28		37	
STF20	189	STK20	154	50	3	20		32		45	
STF25	237	STK25	197	50	3	25	+33 +20	37	0 -19	45	
STF30	325	STK30	230	82	3	30		45		65	
STF35	580	STK35	490	92	3	35		52		70	0 -300
STF40	1,016	STK40	936	108	3	40	+41 +25	60	0 -22	80	
STF50	1,427	STK50	1,227	138	3	50		72		100	
STF60	2,340	STK60	1,900	138	3	60	+49 +30	85	0 -25	100	0 -400
STF80	3,350	STK80	2,850	132	3	80		110		100	
STF100	4,440	STK100	3,740	132	3	100	+58 +36	130	0 -29	100	

STF20 A
A 镀镍 Nickle plated

Df mm	K mm	t mm	主要尺寸和公差 Major dimensions and tolerance				垂直度 Squareness μm	额定负荷 Basic load rating		
			法兰 Flange					动负荷 Dynamic C N		
			Dp mm	X mm	Y mm	Z mm		静负荷 Static Co N		
28	22	5	20	3.5	6	3.1	12	147	216	
32	25	5	24	3.5	6	3.1		245	343	
40	30	6	29	4.5	7.5	4.1		461	637	
43	34	6	33	4.5	7.5	4.1		813	1,070	
43	34	6	33	4.5	7.5	4.1		813	1,070	
48	37	6	38	4.5	7.5	4.1		990	1,180	
54	42	8	43	5.5	9	5.1	15	1,170	1,260	
62	50	8	51	5.5	9	5.1		1,330	1,490	
74	58	10	60	6.6	11	6.1		2,990	3,140	
82	64	10	67	6.6	11	6.1		3,140	3,530	
96	75	13	78	9	14	8.1	20	4,120	4,800	
108	84	13	90	9	14	8.1		5,540	6,910	
128	104	18	106	11	17	11.1		5,980	8,230	
154	126	18	132	11	17	11.1	25	7,840	12,200	
180	150	20	155	14	20	13.1		8,430	14,700	

国际单位: 1N≈0.225lbs
1kg≈2.205lbs
SIUNIT: 1N≈0.225lbs
1kg≈2.205lbs

法兰型行程轴承 (重负荷型) : STF(K)…B

可进行旋转运动、有限直线运动及复合运动；可用螺丝固定安装法兰，运动承载能力更强，便于组装。

所有型号均可根据客户要求做镀镍处理，有防锈作用。

Flanged Ordinary type (Heavy duty type): STF(K)…B

Flanged stroke bearing is a linear and rotational motion mechanism utilizing the rotational motion of ball elements between an outer cylinder and a shaft, with bigger loading capacity, which is easy assembling.

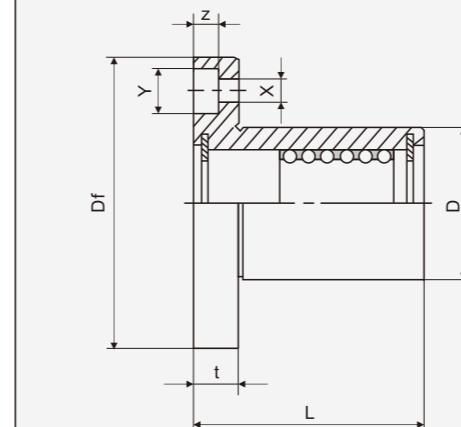
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



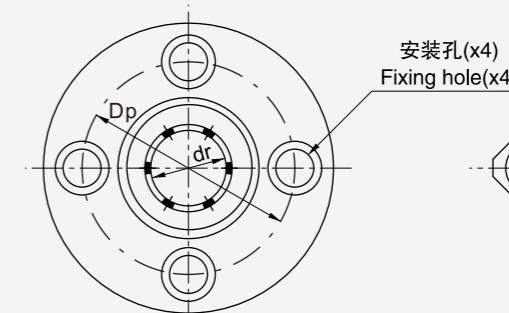
STF…B



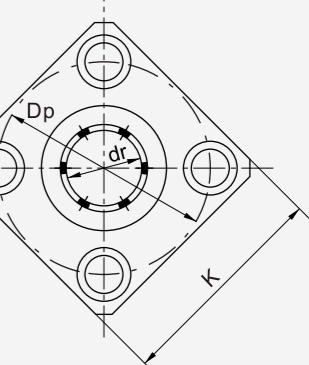
STK…B



STF…B



STK…B



圆法兰 STF	重量 Weight (g)	方法兰 STK	重量 Weight (g)	最大行程 Maximum stroke mm	钢球列数 Number of rows	主要尺寸和公差 Major dimensions and tolerance					
						dr		D		L	
						mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
STF6B	26	STK6B	20	8	6	6		12	0	20	
STF8B	38.2	STK8B	30.2	8	6	8	+22 +13	15	-13	24	
STF10B	72.4	STK10B	52.4	8	6	10		19		30	
STF12B	91	STK12B	75	8	6	12		23	0	32	
STF13B	91	STK13B	75	8	6	13	+27 +16	23	-16	32	
STF16B	125	STK16B	109	16	6	16		28		37	
STF20B	196	STK20B	161	20	6	20		32	0	45	
STF25B	245	STK25B	205	20	6	25	+33 +20	37	-19	45	
STF30B	340	STK30B	245	44	6	30		45		65	
STF35B	597	STK35B	507	54	6	35		52	0	70	
STF40B	1,040	STK40B	960	66	6	40	+41 +25	60	-22	80	
STF50B	1,462	STK50B	1,262	88	6	50		72		100	
STF60B	2,390	STK60B	1,950	88	6	60	+49 +30	85	0	100	
STF80B	3,410	STK80B	2,910	76	6	80		110	-25	100	
STF100B	4,520	STK100B	3,820	76	6	100	+58 +36	130	0	100	
								-29			

STF20 BA

A	镀镍	Nickle plated
B	重负荷型	Heavy duty type

Df mm	K mm	t mm	主要尺寸和公差 Major dimensions and tolerance				垂直度 Squareness μm	额定负荷 Basic load rating		
			法兰 Flange					动负荷 Dynamic C N	静负荷 Static Co N	
			Dp mm	X mm	Y mm	Z mm				
28	22	5	20	3.5	6	3.1	12	312	358	
32	25	5	24	3.5	6	3.1		490	549	
40	30	6	29	4.5	7.5	4.1		931	1,030	
43	34	6	33	4.5	7.5	4.1		1,630	1,720	
43	34	6	33	4.5	7.5	4.1		1,630	1,720	
48	37	6	38	4.5	7.5	4.1		1,910	1,980	
54	42	8	43	5.5	9	5.1		2,060	2,320	
62	50	8	51	5.5	9	5.1		2,170	2,670	
74	58	10	60	6.6	11	6.1		4,800	6,270	
82	64	10	67	6.6	11	6.1		5,050	7,060	
96	75	13	78	9	14	8.1	20	6,710	9,560	
108	84	13	90	9	14	8.1		8,970	13,800	
128	104	18	106	11	17	11.1		9,700	16,500	
154	126	18	132	11	17	11.1		12,700	24,300	
180	150	20	155	14	20	13.1	30	13,700	29,400	

国际单位: 1N≈0.225lbs

1kg≈2.205lbs

SIUNIT: 1N≈0.225lbs

1kg≈2.205lbs

法兰型行程轴承(重负荷型)：STH

可进行旋转运动、有限直线运动及复合运动；可用螺丝固定安装法兰，便于组装。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

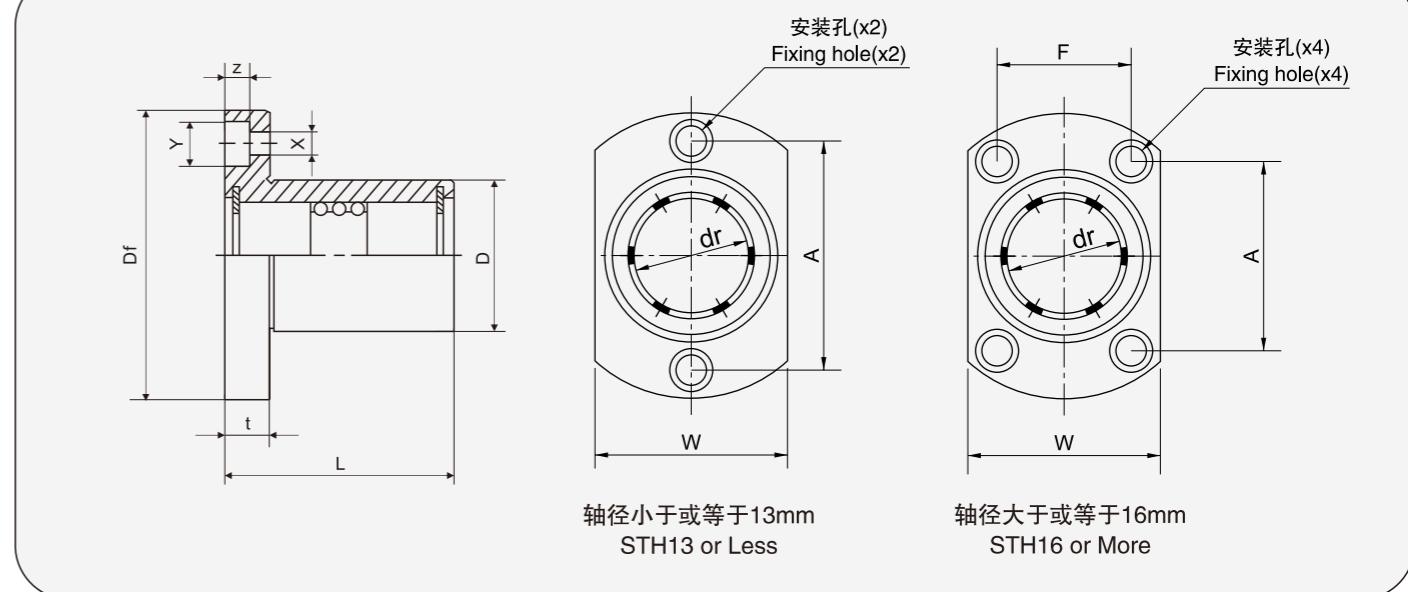
Flanged Stroke Bearing: STH

Flanged stroke bearing is a linear and rotational motion mechanism utilizing the rotational motion of ball elements between an outer cylinder and a shaft, which is easy assembling.

All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



STH



椭圆法兰 STH	重量 Weight (g)	最大行程 Maximum stroke mm	钢球列数 Number of rows	主要尺寸和公差 Major dimensions and tolerance					
				dr		D		L	
				mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
STH6	22	20	3	6	+22 +13	12	0 -13	20	± 300
STH8	33	24	3	8		15		24	
STH10	60	30	3	10		19		30	
STH12	79	32	3	12	+27 +16	23	0 -16	32	
STH13	79	32	3	13		23		32	
STH16	115	40	3	16		28		37	
STH20	175	50	3	20	+33 +20	32		45	
STH25	220	50	3	25		37	-19	45	
STH30	290	82	3	30		45		65	
STH35	535	92	3	35	+41 +25	52	0 -22	70	
STH40	1,036	108	3	40		60		80	-300

STH20 A
A 镀镍 Nickel plated

Df mm	W mm	t mm	主要尺寸和公差 Major dimensions and tolerance					垂直度 Squareness μm	额定负荷 Basic load rating		
			法兰 Flange						动负荷 Dynamic C N	静负荷 Static C o N	
			A mm	F mm	X mm	Y mm	Z mm				
28	18	5	20	-	3.5	6	3.1	12	147	216	
32	21	5	24	-	3.5	6	3.1		245	343	
40	25	6	29	-	4.5	7.5	4.1		461	637	
43	29	6	33	-	4.5	7.5	4.1		813	1,070	
43	29	6	33	-	4.5	7.5	4.1		813	1,070	
48	34	6	31	22	4.5	7.5	4.1		990	1,180	
54	38	8	36	24	5.5	9	5.1		1,170	1,260	
62	46	8	40	32	5.5	9	5.1		1,330	1,490	
74	51	10	49	35	6.6	11	6.1		2,990	3,140	
82	60	10	55	38	6.6	11	6.1		3,140	3,530	
96	70	13	64	45	9	14	8.1	20	4,120	4,800	

国际单位: 1N≈0.225lbs
1kg≈2.205lbs
SIUNIT: 1N≈0.225lbs
1kg≈2.205lbs

法兰型行程轴承 (重负荷型) : STH···B

可进行旋转运动、有限直线运动及复合运动; 可用螺丝固定安装法兰, 运动承载能力更强, 便于组装。
所有型号均可根据客户要求做镀镍处理, 有防锈作用。

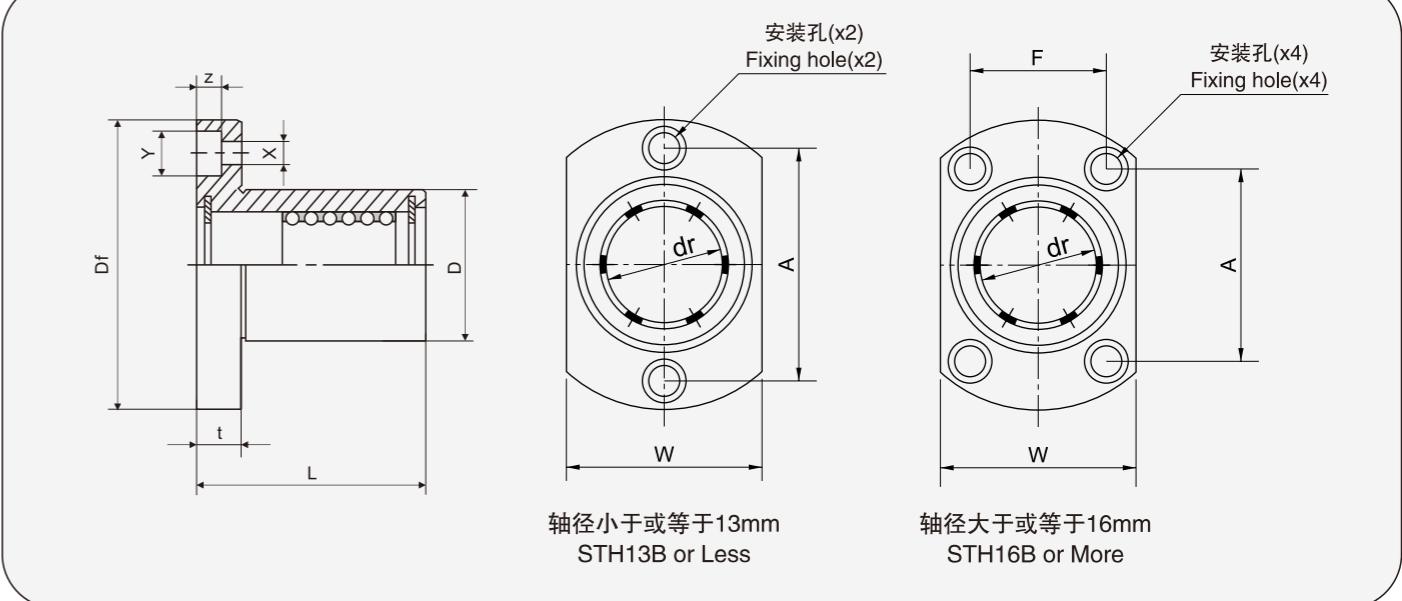
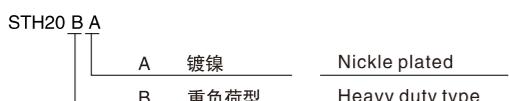
Flanged Ordinary type (Heavy duty type) : STH···B

Flanged stroke bearing is a linear and rotational motion mechanism utilizing, the rotational motion of ball elements between an outer cylinder and a shaft, with bigger loding capacity, which is easy assembling.
All models can be done with nickle palted according to customers' requirements, with function of rust-proof.



STH···B

椭圆法兰 STH	重量 (g)	最大行程 Maximum stroke mm	钢球列数 Number of rows	主要尺寸和公差 Major dimensions and tolerance					
				dr		D		L	
				mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
STH6B	23	8	6	6	+22 +13	12	0 -13	20	± 300
STH8B	37	8	6	8		15	-13	24	
STH10B	65	8	6	10		19		30	
STH12B	86	8	6	12	+27 +16	23	0 -16	32	
STH13B	86	8	6	13		23		32	
STH16B	123	16	6	16		28		37	
STH20B	187	20	6	20	+33 +20	32		45	
STH25B	232	20	6	25		37	0 -19	45	
STH30B	312	44	6	30		45		65	
STH35B	586	54	6	35	+41 +25	52	0 -22	70	
STH40B	1,069	66	6	40		60		80	0 -300



Df mm	主要尺寸和公差 Major dimensions and tolerance								垂直度 Squareness μm	额定负荷 Basic load rating		
	法兰 Flange									动负荷 Dynamic C N	静负荷 Static C o N	
	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm					
28	18	5	20	-	3.5	6	3.1	12	312	358		
32	21	5	24	-	3.5	6	3.1		490	549		
40	25	6	29	-	4.5	7.5	4.1		931	1,030		
43	29	6	33	-	4.5	7.5	4.1		1,630	1,720		
43	29	6	33	-	4.5	7.5	4.1		1,630	1,720		
48	34	6	31	22	4.5	7.5	4.1	15	1,910	1,980		
54	38	8	36	24	5.5	9	5.1		2,060	2,320		
62	46	8	40	32	5.5	9	5.1		2,170	2,670		
74	51	10	49	35	6.6	11	6.1		4,800	6,270		
82	60	10	55	38	6.6	11	6.1	20	5,050	7,060		
96	70	13	64	45	9	14	8.1		6,710	9,560		

国际单位: 1N≈0.225lbs
1kg≈2.205lbs
SIUNIT: 1N≈0.225lbs
1kg≈2.205lbs

直线轴承箱式单元

Linear Motion Ball Bearings Slide Units

● 提供各类轴承滑动单元，供设计直线运动产品时采用。精密加工的铝制滑动单元，遵循标准化的设计，具有可互换性，成本低，设计高效等优点。

● We can supply all types of Linear motion slide unit with features of low cost, ease of replacement and high precision can be widely designed into many different linear motion applications. Such as factory automated equipment, machine tools, industrial machines, electrical machine tools and soon. Processing aluminum slide units strictly follows standardized design.



间隙可调型铝制箱式单元 (带有沿轴轨槽)

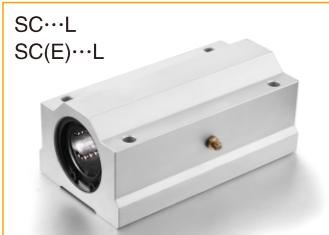
SCJ型能通过间隙调整实现轴与箱体精密配合。
SCJ clearance adjustment aluminium Slide Units
(include along shaft groove)

SCJ serie can accomplish shaft with case unit through clearance adjustment perfectly.



标准型铝制箱式单元

通过螺栓实现简单安装。
SC(E) Standard aluminium Slide Units
Through screw accomplish simple installation



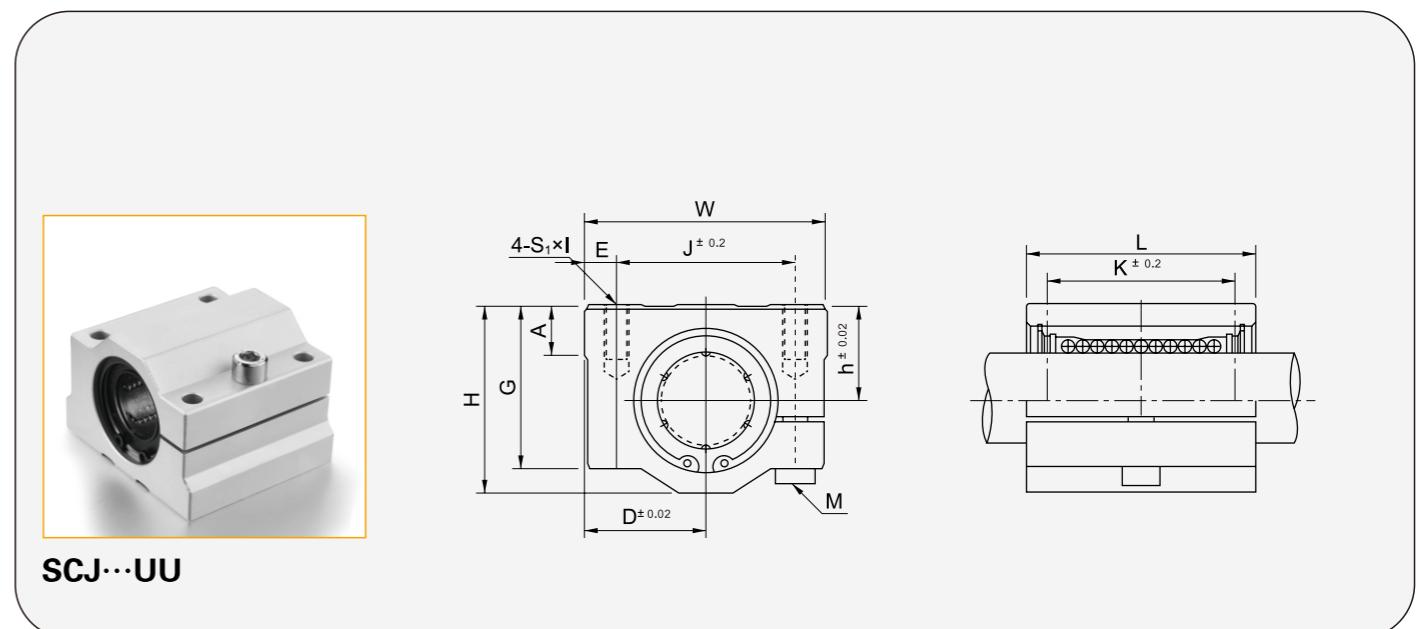
长型铝制箱式单元 (带有两个标准型直线轴承)

SC(E)...L Long-length aluminium Slide Units
(include two standard linear motion ball bearings)



短型铝制箱式单元 (带有一个标准型直线轴承)

比SC(E)型更紧凑。
SC(E)...S Shorten aluminium Slide Units
(include one standard linear motion ball bearings)
Than SC(E) much compact.



SCJ...UU

型号 Model	内装轴承 Liner bearing	额定负荷 Basic load rating		轴径 Shaft diameter mm	尺寸 Dimensions (mm)										重量 Weight (g)	
		动负荷 Dynamic C N	静负荷 Static Co N		h	D	W	H	G	A	J	E	Six I	K	L	
SCJ10UU	LM10UU-AJ	372	549	10	13	20	40	26	21	8.0	28	6.0	M5x12	21	35	M5 90
SCJ12UU	LM12UU-AJ	510	784	12	15	21	42	28	24	8.0	30.5	5.75	M5x12	26	36	M5 112
SCJ13UU	LM13UU-AJ	510	784	13	15	22	44	30	24.5	8.0	33	5.5	M5x12	26	39	M5 123
SCJ16UU	LM16UU-AJ	774	1,180	16	19	25	50	38.5	32.5	9.0	36	7.0	M5x12	34	44	M5 189
SCJ20UU	LM20UU-AJ	882	1,370	20	21	27	54	41	35	11	40	7.0	M6x12	40	50	M5 237
SCJ25UU	LM25UU-AJ	980	1,570	25	26	38	76	51.5	42	12	54	11	M8x18	50	67	M6 555
SCJ30UU	LM30UU-AJ	1,570	2,740	30	30	39	78	59.5	49	15	58	10	M8x18	58	72	M6 685
SCJ35UU	LM35UU-AJ	1,670	3,140	35	34	45	90	68	54	18	70	10	M8x18	60	80	M6 1,100
SCJ40UU	LM40UU-AJ	2,160	4,020	40	40	51	102	78	62	20	80	11	M10x25	60	90	M8 1,600
SCJ50UU	LM50UU-AJ	3,820	7,940	50	52	61	122	102	80	25	100	11	M10x25	80	110	M8 3,350

产品型号说明 Product model Desicription

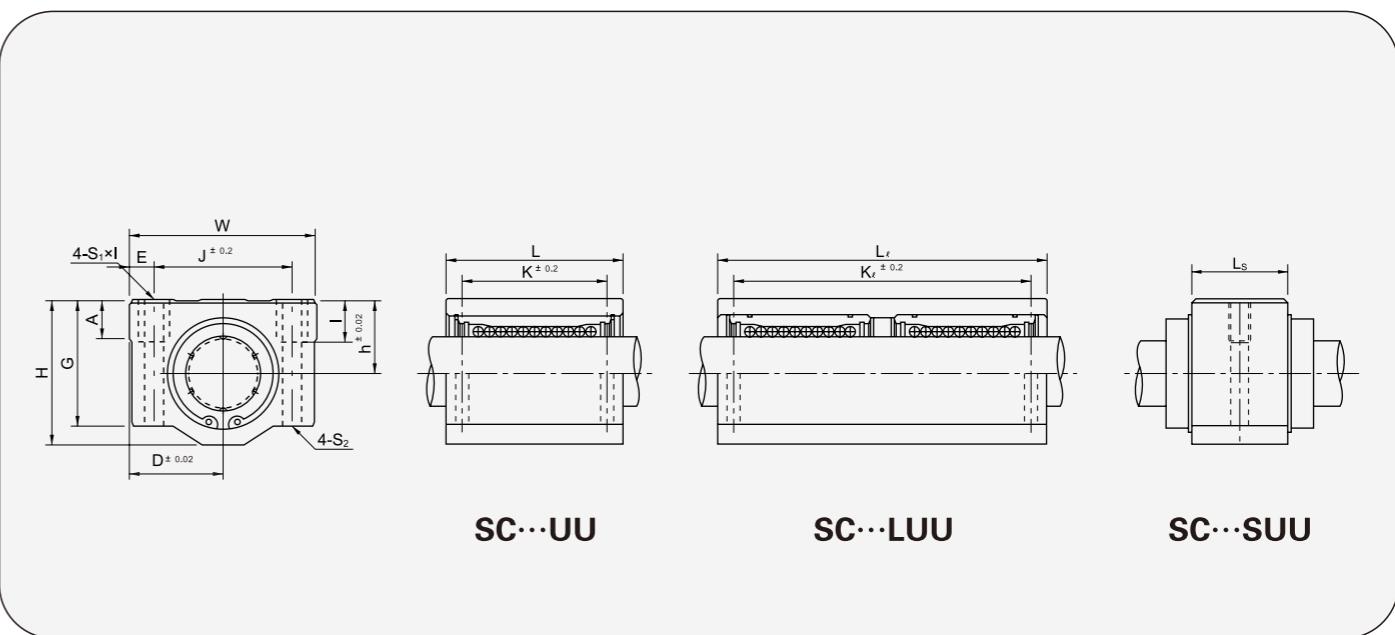
SC ... L UU

密封形式 Seal type
UU: 两端密封 Seal on both ends

制式 Standard
SC: 亚洲标准型 Asia Series
SCE: 欧洲标准型 Europe Series
SCJ: 间隙调整型 Clearance Adjustment Series

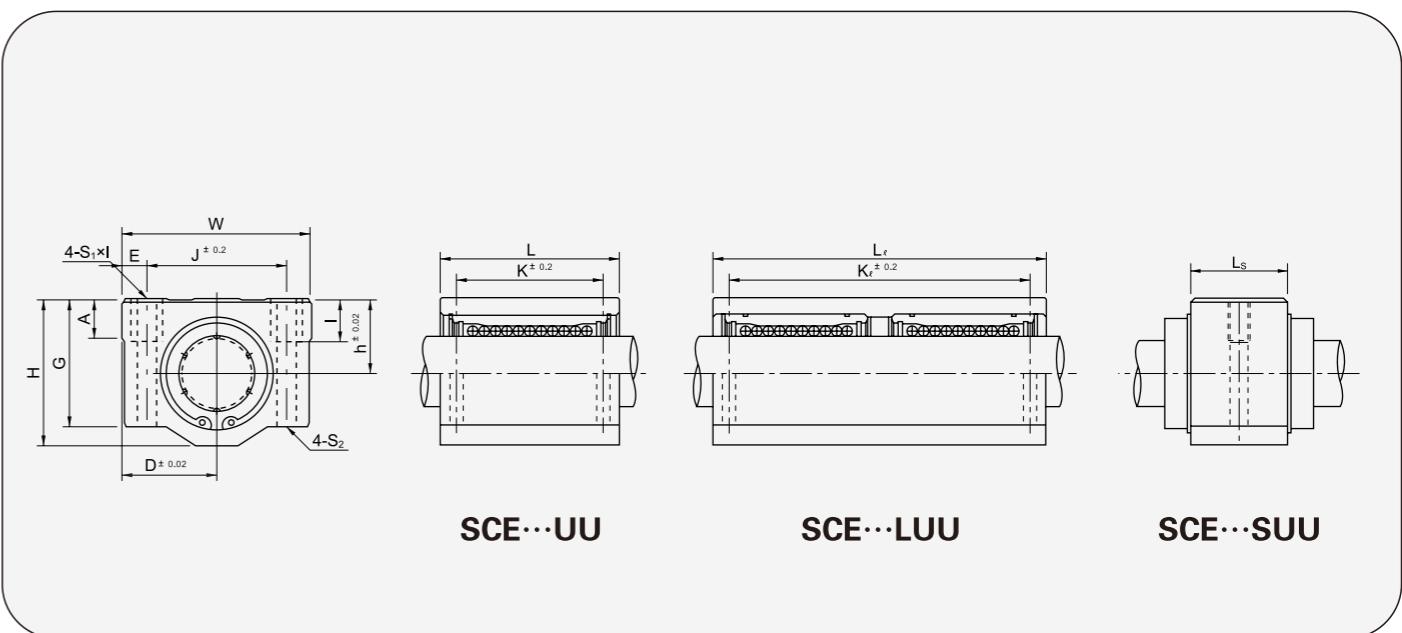
轴径 Shaft Outer Diameter

箱式形式 Case body type
-: 标准型 Standard
L: 加长型 Long-length
S: 短型 Shorten



标准型 Standard		额定负荷 Basic load rating		重量 Weight (g)	加长型 Length type		额定负荷 Basic load rating		重量 Weight (g)	短型 Shorten type	
型号 Model	内装轴承 Liner bearing	动负荷 Dynamic C N	静负荷 Static Co N		型号 Model	内装轴承 Liner bearing	动负荷 Dynamic C N	静负荷 Static Co N		型号 Model	内装轴承 Liner bearing
SC6UU	LM6UU	206	265	34	-	-	-	-	-	-	-
SC8UU	LM8UU	274	392	56	SC8LUU	2xLM8UU	431	784	94	SC8SUU	LM8UU
SC10UU	LM10UU	372	549	90	SC10LUU	2xLM10UU	588	1,100	147	SC10SUU	LM10UU
SC12UU	LM12UU	510	784	112	SC12LUU	2xLM12UU	813	1,570	220	SC12SUU	LM12UU
SC13UU	LM13UU	510	784	123	SC13LUU	2xLM13UU	813	1,570	245	SC13SUU	LM13UU
SC16UU	LM16UU	774	1,180	189	SC16LUU	2xLM16UU	1,230	2,350	376	SC16SUU	LM16UU
SC20UU	LM20UU	882	1,370	237	SC20LUU	2xLM20UU	1,410	2,740	476	SC20SUU	LM20UU
SC25UU	LM25UU	980	1,570	555	SC25LUU	2xLM25UU	1,610	3,140	1,115	SC25SUU	LM25UU
SC30UU	LM30UU	1,570	2,740	685	SC30LUU	2xLM30UU	2,450	5,490	1,375	SC30SUU	LM30UU
SC35UU	LM35UU	1,670	3,140	1,100	SC35LUU	2xLM35UU	2,650	6,270	2,200	SC35SUU	LM35UU
SC40UU	LM40UU	2,160	4,020	1,600	SC40LUU	2xLM40UU	3,430	8,040	3,200	SC40SUU	LM40UU
SC50UU	LM50UU	3,820	7,940	3,350	SC50LUU	2xLM50UU	6,080	15,900	6,720	SC50SUU	LM50UU
SC60UU	LM60UU	4,700	10,000	4,720	SC60LUU	2xLM60UU	7,550	20,000	8,480	SC60SUU	LM60UU
SC80UU	LM80UU	7,350	16,000	8,100	SC80LUU	2xLM80UU	11,500	32,000	15,100	SC80SUU	LM80UU

额定负荷 Basic load rating		重量 Weight (g)	轴径 Shaft diameter mm	尺寸 Dimensions (mm)														
动负荷 Dynamic C N	静负荷 Static Co N			h	D	W	H	G	A	J	E	S _{ix} I	S ₂	K	L	K _l	L _l	L _s
-	-	-	Φ6	9	15	30	18	15	6	20	5	M4x8	Φ3.4	15	25	-	-	-
260	400	36	Φ8	11	17	34	22	18	6	24	5	M4x8	Φ3.4	18	30	42	58	15.4
370	540	63	Φ10	13	20	40	26	21	8	28	6	M5x12	Φ4.3	21	35	46	68	19.5
410	590	74	Φ12	15	21	42	28	24	8	30.5	5.75	M5x12	Φ4.3	26	36	50	70	20.5
500	770	85	Φ13	15	22	44	30	24.5	8	33	5.5	M5x12	Φ4.3	26	39	50	75	20.5
770	1,170	132	Φ16	19	25	50	38.5	32.5	9	36	7	M5x12	Φ4.3	34	44	60	85	23.5
860	1,370	170	Φ20	21	27	54	41	35	11	40	7	M6x12	Φ5.2	40	50	70	96	27.4
980	1,560	405	Φ25	26	38	76	51.5	42	12	54	11	M8x18	Φ7.0	50	67	100	130	37.4
1,560	2,740	495	Φ30	30	39	78	59.5	49	15	58	10	M8x18	Φ7.0	58	72	110	140	40.9
1,660	3,130	790	Φ35	34	45	90	68	54	18	70	10	M8x18	Φ7.0	60	80	120	155	45.4
2,150	4,010	1,220	Φ40	40	51	102	78	62	20	80	11	M10x25	Φ8.7	60	90	140	175	56.4
3,820	7,930	2,300	Φ50	52	61	122	102	80	25	100	11	M10x25	Φ8.7	80	110	160	215	68.9
4,700	10,000	3,530	Φ60	58	66	132	114	94	30	108	12	M12x25	Φ10.7	90	122	180	240	78.8
7,350	16,000	7,020	Φ80	75	81	162	148	125	35	138	12	M12x30	Φ10.7	120	155	230	303	97.3



标准型 Standard		额定负荷 Basic load rating		重量 Weight (g)	加长型 Length type		额定负荷 Basic load rating		重量 Weight (g)	短型 Shorten type	
型号 Model	内装轴承 Liner bearing	动负荷 Dynamic C N	静负荷 Static Co N		型号 Model	内装轴承 Liner bearing	动负荷 Dynamic C N	静负荷 Static Co N		型号 Model	内装轴承 Liner bearing
SCE8UU	LME8UU	260	400	60	SCE8LUU	2xLME8UU	410	800	98	SCE8SUU	LME8UU
SCE12UU	LME12UU	410	590	118	SCE12LUU	2xLME12UU	650	1,180	232	SCE12SUU	LME12UU
SCE16UU	LME16UU	770	1,170	180	SCE16LUU	2xLME16UU	1,230	2,340	360	SCE16SUU	LME16UU
SCE20UU	LME20UU	860	1,370	245	SCE20LUU	2xLME20UU	1,370	2,740	490	SCE20SUU	LME20UU
SCE25UU	LME25UU	980	1,560	550	SCE25LUU	2xLME25UU	1,560	3,120	1,100	SCE25SUU	LME25UU
SCE30UU	LME30UU	1,560	2,740	760	SCE30LUU	2xLME30UU	2,490	5,480	1,525	SCE30SUU	LME30UU
SCE40UU	LME40UU	2,150	4,010	1,700	SCE40LUU	2xLME40UU	3,440	8,020	3,400	SCE40SUU	LME40UU
SCE50UU	LME50UU	3,820	7,930	2,950	SCE50LUU	2xLME50UU	6,110	15,860	5,920	SCE50SUU	LME50UU
SCE60UU	LME60UU	4,700	9,800	5,330	SCE60LUU	2xLME60UU	7,550	20,000	9,760	SCE60SUU	LME60UU

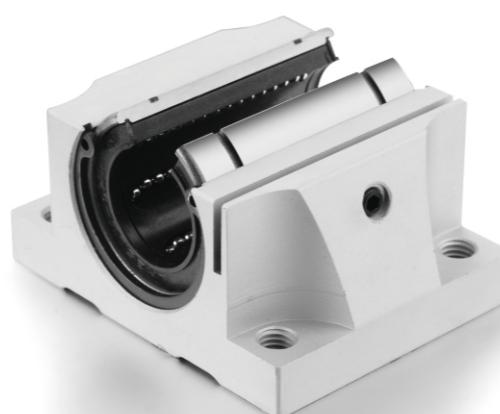
额定负荷 Basic load rating		重量 Weight (g)	尺寸 Dimensions (mm)												SCE...UU		SCE...LUU	SCE...SUU
轴径 Shaft diameter	通用尺寸 Nominal dimensions (mm)		h	D	W	H	G	A	J	E	S ₁ x I	S ₂	K	L	K ₁	L ₁	L _s	
260	400	40	φ8	11	17	34	22	18	6	24	5	M4x8	φ3.4	18	30	42	58	14.4
410	590	82	φ12	15	22	44	30	24.5	8	33	5.5	M5x12	φ4.3	26	39	64	77	20.3
770	1,170	122	φ16	19	25	50	38.5	32.5	9	36	7	M5x12	φ4.3	34	44	79	89	22.3
860	1,370	176	φ20	21	27	54	41	35	11	40	7	M6x12	φ5.2	40	53	90	106	28.3
980	1,560	400	φ25	26	38	76	51.5	42	12	54	11	M8x18	φ7	50	67	119	136	40.4
1,560	2,740	570	φ30	30	39	78	59.5	49	15	58	10	M8x18	φ7	58	76	132	154	48.4
2,150	4,010	1,320	φ40	40	51	102	78	62	20	80	11	M10x25	φ8.7	60	90	150	180	56.4
3,820	7,930	1,900	φ50	52	61	122	102	80	25	100	11	M10x25	φ8.7	80	110	200	230	72.3
4,700	9,800	4,230	φ60	58	66	132	114	94	30	108	12	M12x25	φ10.7	100	137	220	270	95.5

支撑导轨单元 Support Rail Units

SBR···Slide Units



TBR···Slide Units



SBS···Support Rail



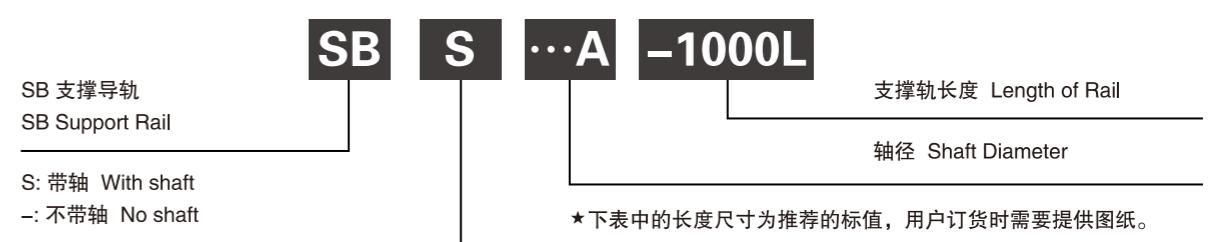
TBS···Support Rail



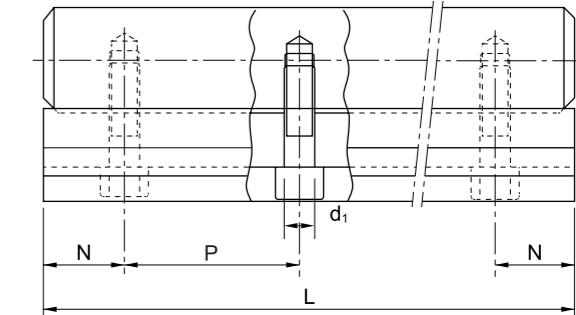
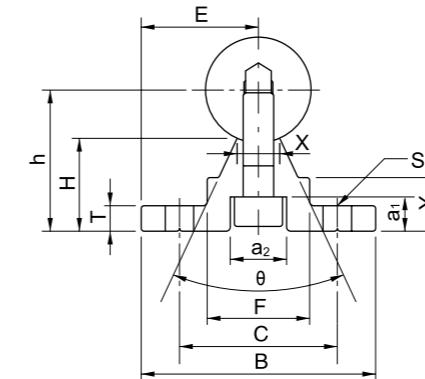
SBR···S Support Rail Units



TBR···S Support Rail Units



*下表中的长度尺寸为推荐的标值，用户订货时需要提供图纸。
We could manufacture according to customer's requirements.



型号 Model	轴径 Shaft diameter	尺寸 Dimensions (mm)												重量 Weight (g)		
		E	h	B	H	T	F	X	Y	C	θ	S ₁	a ₁	a ₂		
SBS10A	Φ10	16	18	32	13.5	4	12.4	4.7	8.9	22	80°	Φ4.5	5	7.5	4.5	1,260
SBS12A	Φ12	17	20.4	34	15	4.5	15	6	9.6	25	80°	Φ4.5	5	7.5	4.5	1,880
SBS16A	Φ16	20	25	40	17.8	5	18.5	8	11.7	30	70°	Φ5.5	6	9.5	5.5	2,560
SBS20A	Φ20	22.5	27	45	17.7	5	19	8	10	30	50°	Φ5.5	6.5	11	6.6	3,500
SBS25A	Φ25	27.5	33	55	21	6	21.5	8	12	35	50°	Φ6.5	6.5	11	6.6	5,300
SBS30A	Φ30	30	37	60	22.8	7	26.5	10.3	13	40	50°	Φ6.5	8.5	14	9	7,380
SBS35A	Φ35	32.5	43	65	26.5	8	28	13	15.5	45	50°	Φ9.0	8.5	14	9	9,680
SBS40A	Φ40	37.5	48	75	29.4	9	38	16	17	55	50°	Φ9.0	8.5	14	9	12,690
SBS50A	Φ50	47.5	62	95	38.8	11	45	20	21	70	50°	Φ11	12.5	19	11	20,460

支撑轨标准长度和主要尺寸
Support Rail Standard Length and Dimensions

型号 Model	SBS10A	SBS12A	SBS16A	SBS20A	SBS25A	SBS30A	SBS35A	SBS40A	SBS50A
Standard Length L	150	150	190	340	250	450	460	460	470
	270	270	340	640	450	850	660	660	670
	390	510	640	940	850	1,250	860	860	870
	510	750	940	1,240	1,250	1,450	1,060	1,060	1,070
	750						1,260	1,260	1,270
N	15	15	20	20	25	25	30	30	35
P	120	120	150	150	200	200	200	200	200
Max. Length	1,110 4,000	1,110 4,000	1,390 4,000	1,390 4,000	1,850 4,000	1,850 4,000	1,860 4,000	1,860 4,000	2,070 4,000

轴径 Shaft Diameter

TB S ...A -1000L

TB 支撑导轨
TB Support Rail

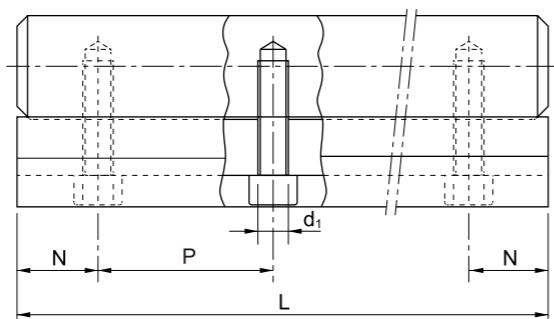
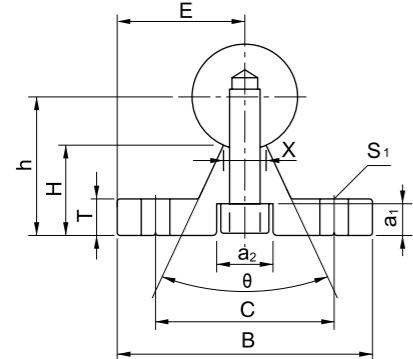
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S: 带轴 With shaft
-: 不带轴 No shaft

支撑轨长度 Length of Rail

轴径 Shaft Diameter

★下表中的长度尺寸为推荐的标值，用户订货时需要提供图纸。
We could manufacture according to customer's requirements.



型号 Model	轴径 Shaft diameter	尺寸 Dimensions (mm)												重量 Weight (g)
		E	h	B	H	T	X	C	θ	S ₁	a ₁	a ₂	d ₁	
TBS16A	16	25	22	50	14.84	6	8	37	60°	5.5	6	9.5	5.5	2,660
TBS20A	20	27.5	29	55	19.64	8	8	40	50°	5.5	6.5	11	6.6	4,230
TBS25A	25	32.5	32	65	20	10	8	45	50°	6.6	6.5	11	6.6	5,850
TBS30A	30	37.5	36.5	75	22.28	12	10.3	55	50°	6.6	8.5	14	9	8,280

支撑轨标准长度和主要尺寸

Support Rail Standard Length and Dimensions

型号 Model	TBS16A	TBS20A	TBS25A	TBS30A
Standard Length	190	340	250	450
	340	640	450	850
	640	940	850	1,250
L	940	1,240	1,250	1,450
N	20	20	25	25
P	150	150	200	200
Max. Length	1,390 4,000	1,390 4,000	1,850 4,000	1,850 4,000

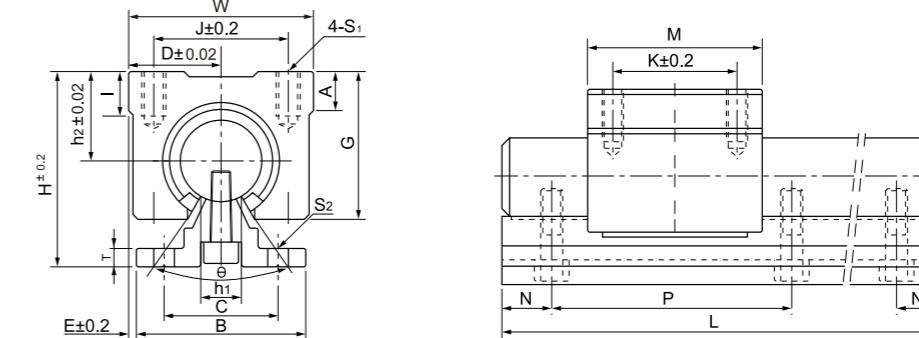
SBR 支撑导轨单元

每条导轨上箱式单元数量 Number of the Units On One Support Rail

支撑轨长度* Rail Length

指支撑轨与轴组合件长度，标准值及主要尺寸见SBS系列表。用户订货时需要提供图纸。
The main length of rails and slide units can be searched on the form of SBS series.

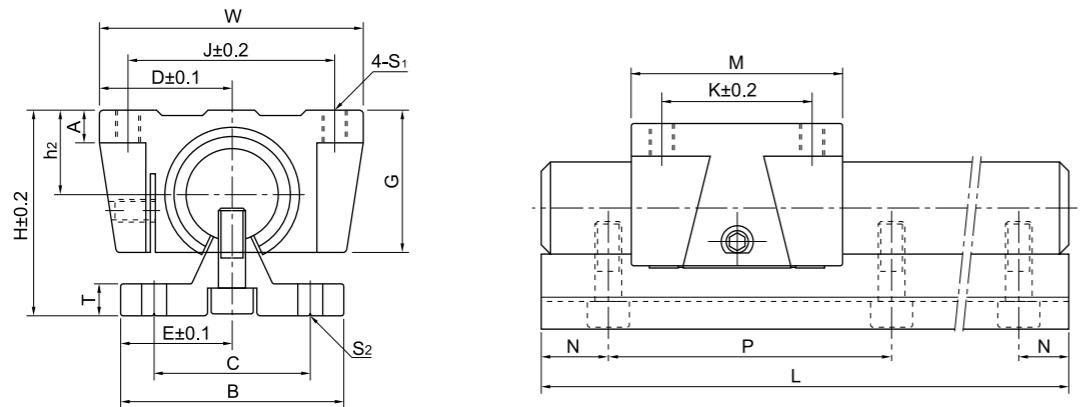
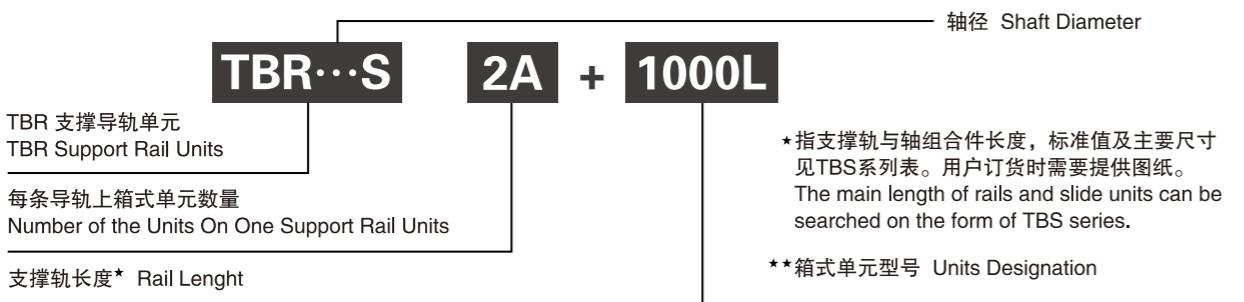
** 箱式单元型号 Units Designation



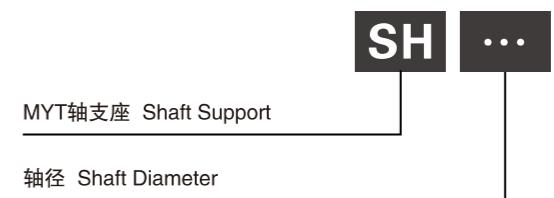
型号 Model		轴径 Shaft diameter	额定负荷 Basic load rating		重量 Weight (g)		尺寸 Dimensions (mm)				
支撑导轨单元 Rail units	箱式单元** Slide units		动负荷 Dynamic Co N	静负荷 Static Co N	箱式单元 Slide units (g)	导轨 Rails (g/m)	D	h ₂	H	E	θ
SBR10SA	SBR10UU	φ10	380	560	65	1,260	18	15	33	2	80°
SBR12SA	SBR12UU	φ12	510	780	100	1,880	20	17	37.4	3	80°
SBR16SA	SBR16UU	φ16	770	1,170	150	2,560	22.5	20	45	2.5	80°
SBR20SA	SBR20UU	φ20	860	1,370	200	3,500	24	23	50	1.5	60°
SBR25SA	SBR25UU	φ25	980	1,560	450	5,300	30	27	60	2.5	50°
SBR30SA	SBR30UU	φ30	1,560	2,740	630	7,380	35	33	70	5	50°
SBR35SA	SBR35UU	φ35	1,660	3,130	920	10,050	40	37	80	7.5	50°
SBR40SA	SBR40UU	φ40	2,150	4,010	1,330	13,100	45	42	90	7.5	50°
SBR50SA	SBR50UU	φ50	3,820	7,930	3,000	20,650	60	53	115	12.5	50°

型号 Model	尺寸 Dimensions (mm)												
	W	G	A	B	T	M	S ₁ xI	J	K	S ₂	C	N	P
SBR10SA	36	24	7	32	4	32	M5x10	25	20	Φ4.5	22	15	120
SBR12SA	40	27	8	34	4.5	39	M5x10	28	26	Φ4.5	25	15	120
SBR16SA	45	33	9	40	5	45	M5x12	32	30	Φ5.5	30	20	150
SBR20SA	48	39	11	45	5	50	M6x12	35	35	Φ5.5	30	20	150
SBR25SA	60	47	14	55	6	65	M6x12	40	40	Φ6.6	35	25	200
SBR30SA	70	56	15	60	7	70	M8x18	50	50	Φ6.6	40	25	200
SBR35SA	80	63	18	65	8	80	M8x18	55	55	Φ9.0	45	30	200
SBR40SA	90	72	20	75	9	90	M10x20	65	65	Φ9.0	55	30	200
SBR50SA	120	92	25	95	11	110	M10x20	94	80	Φ11	70	35	200

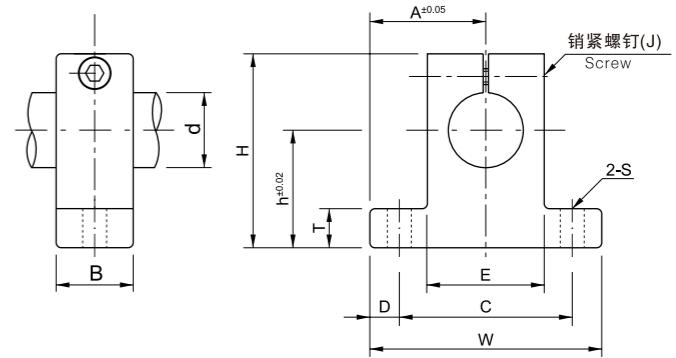
型号 Model	尺寸 Dimensions (mm)											配合直线轴承 Liner bearing			重量 Weight (g)	
												型号 Model	额定负荷 Basic load rating			
													动负荷 Dynamic C N			
	h ₂	D	W	M	G	h ₁	θ	K	S ₁	I	A					
SBR12LUU	17	20	40	70	27	8	80°	46	M5	10	8	2xLM12UUOP	1,020	1,568	170	
SBR16LUU	20	22.5	45	85	33	11	80°	60	M5	12	9	2xLM16UUOP	1,548	2,360	300	
SBR20LUU	23	24	48	96	39	11	60°	70	M6	12	11	2xLM20UUOP	1,764	2,740	400	
SBR25LUU	27	30	60	130	47	12	50°	100	M6	12	14	2xLM25UUOP	1,960	3,140	900	
SBR30LUU	33	35	70	140	56	15	50°	110	M8	18	15	2xLM30UUOP	3,140	5,480	1,260	
SBR35LUU	37	40	80	155	63	17	50°	130	M8	18	18	2xLM35UUOP	3,340	6,260	1,840	
SBR40LUU	42	45	90	175	72	20	50°	140	M10	20	20	2xLM40UUOP	4,320	8,040	2,660	
SBR50LUU	53	60	120	215	92	25	50°	175	M10	20	25	2xLM50UUOP	7,640	15,880	5,952	



轴支座 Shaft Support



SH (SK)



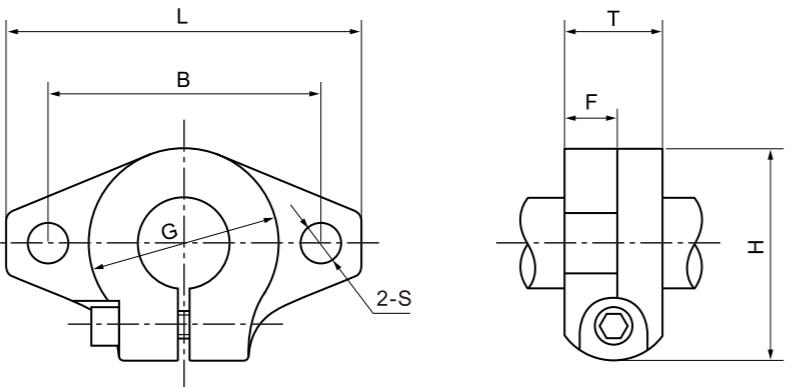
型号 Model		轴径 Shaft diameter	额定负荷 Basic load rating		重量 Weight (g)		尺寸 Dimensions (mm)					
支撑导轨单元 Rail units	箱式单元** Slide units		动负荷 Dynamic C N	静负荷 Static Co N	箱式单元 Slide units (g)	导轨 Rails (g/m)	D	h2	H	E	C	N
TBR16SA	TBR16UU	16	392	490	180	2,450	31	18	40	25		
TBR20SA	TBR20UU	20	784	1,176	300	3,600	34	21	50	27.5		
TBR25SA	TBR25UU	25	1,568	2,352	600	5,600	41	28	60	32.5		
TBR30SA	TBR30UU	30	1,764	2,940	900	8,000	45.5	33.5	70	37.5		

型号 Model	尺寸 Dimensions (mm)												
	W	G	A	B	T	M	S ₁	J	K	S ₂	C	N	P
TBR16SA	62	26	8	50	6	42	M5	50	30	Φ5.5	37	20	150
TBR20SA	68	31	10	55	8	51	M6	54	37	Φ5.5	40	20	150
TBR25SA	82	41	12	65	10	65	M8	65	50	Φ6.6	45	25	200
TBR30SA	91	48	12	75	12	75	M8	75	60	Φ6.6	55	25	200

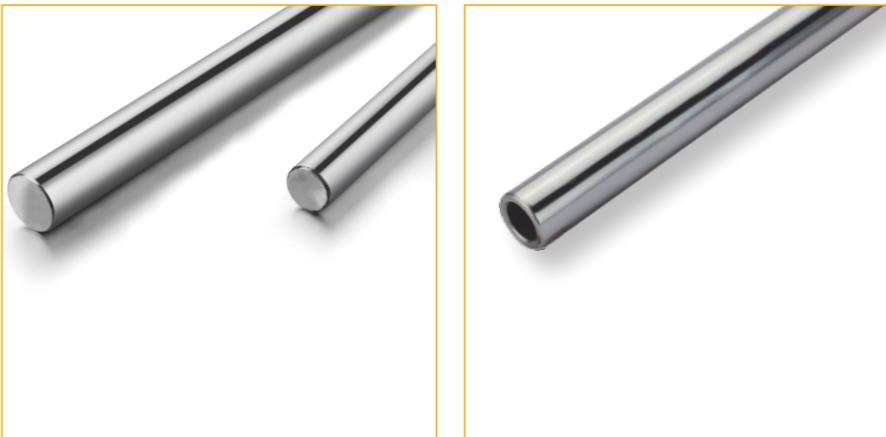
型号 Model	轴径 Shaft diameter	尺寸 Dimensions (mm)											重量 Weight (g)
		h	A	W	H	T	E	D	C	B	S	J	
SH6	Φ6	20	21	42	32.8	6	18	5	32	14	Φ5.5	M4	24
SH8	Φ8	20	21	42	32.8	6	18	5	32	14	Φ5.5	M4	24
SH10	Φ10	20	21	42	32.8	6	18	5	32	14	Φ5.5	M4	24
SH12	Φ12	23	21	42	37.5	6	20	5	32	14	Φ5.5	M4	30
SH13	Φ13	23	21	42	37.5	6	20	5	32	14	Φ5.5	M4	30
SH16	Φ16	27	24	48	44	8	25	5	38	16	Φ5.5	M4	40
SH20	Φ20	31	30	60	51	10	30	7.5	45	20	Φ6.6	M5	70
SH25	Φ25	35	35	70	60	12	38	7	56	24	Φ6.6	M6	130
SH30	Φ30	42	42	84	70	12	44	10	64	28	Φ9	M6	180
SH35	Φ35	50	49	98	82	15	50	12	74	32	Φ11	M8	270
SH40	Φ40	60	57	114	96	15	60	12	90	36	Φ11	M8	420
SH50	Φ50	70	63	126	120	18	74	13	100	40	Φ14	M12	750
SH60	Φ60	80	74	148	136	18	90	14	120	45	Φ14	M12	1,100



SHF

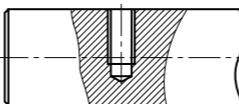


轴 Shafts

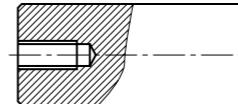


型号 Model	轴径 Shaft diameter	尺寸 Dimensions (mm)							安装螺栓型号 Mounting bolt designation	夹紧螺栓型号 Clamping bolt designation	重量 Weight (g)
		L	T	F	B	G	H	S			
SHF6	φ6	43	10	5	32	20	24	5.5	M5	M4	13
SHF8	φ8	43	10	5	32	20	24	5.5	M5	M4	13
SHF10	φ10	43	10	5	32	20	24	5.5	M5	M4	13
SHF12	φ12	47	13	7	36	25	28	5.5	M5	M4	20
SHF13	φ13	47	13	7	36	25	28	5.5	M5	M4	20
SHF16	φ16	50	16	8	40	28	31	5.5	M5	M4	27
SHF20	φ20	60	20	8	48	34	37	7	M6	M5	40
SHF25	φ25	70	25	10	56	40	42	7	M6	M5	60
SHF30	φ30	80	30	12	64	46	50	9	M8	M6	110
SHF35	φ35	92	35	14	72	50	58	12	M10	M8	380
SHF40	φ40	102	40	16	80	56	67	12	M10	M10	510
SHF50	φ50	122	50	19	96	70	83	14	M12	M12	890
SHF60	φ60	140	60	23	112	82	95	14	M12	M12	1,500

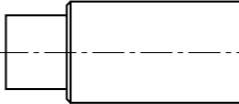
径向螺纹孔
Radial Holes Drotled and Tapped



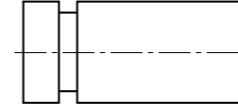
轴向螺纹孔
Coaxial Holes Drotled and Tapped



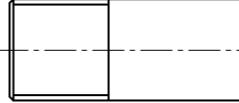
阶梯轴
Reduced Shaft Diameter



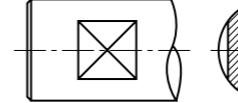
切槽
Snap Ring Grooves



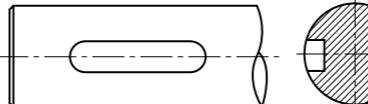
螺纹
Thread



平面
Flats



键槽
Key way



直线轴是经热处理、磨削和抛光的高精度的产品。为直线轴承配套的直线轴，其直线性、粗糙度、圆柱度、表面质量和硬度是极其重要的。 直线轴在制造时围绕以上几点使其在任何工作条件下都能良好的工作。这些直线轴能支撑旋转运动、直线运动和旋转直线复合运动以及单纯的直线运动。

slide shaft is hardened, ground and polished and features high precision quality. Straightness, roughness, cylindricity, surface finish and hardness are very important when used with linear motion slide bearings. slide shafts are manufactured with these points in mind to maintain precision performance under any operating conditions. These slide shafts will satisfactorily support rotary, linear, linear-rotary complex, as well as simple linear motion applications.

材质 Material: GCr15高碳铬钢 High carbon chromium steel

硬度 Hardness: HRc 62 ± 2°

表面硬化厚度 Effective Hardening Depth: 0.8~2.5mm

表面粗糙度 Roughness: Ra0.8

直线度 Straightness: 50μm /300mm

图(Fig) 直线轴举例
Examples for Shafts

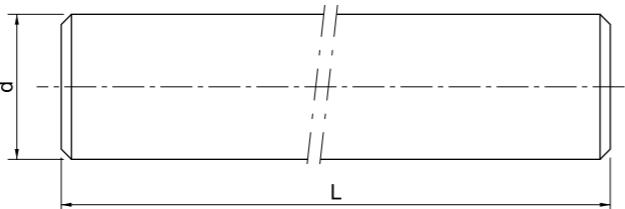
SF ... **-500L**

轴
Diameter

轴径
Shaft Diameter

轴长度
Length of Shaft

SF	直线轴 LINEAR SHAFT
SFC	电镀直线轴 HARD CHROMIC PLATING SHAFT
SSF	不锈钢直线轴 9Cr18 SHAFT
PSF	空心轴 LM PIPE SHAFT



型号 Model	轴径 Shaft diameter (g6)		尺寸 Dimensions (mm)												
	d (mm)	公差 (μ m)	100	200	300	400	500	600	700	800	1000	1200	1300	1500	2000
SF3	φ3	-2 -8	○	○	○	-	-	-	-	-	-	-	-	-	-
SF4	φ4	-4	○	○	○	○	-	-	-	-	-	-	-	-	-
SF5	φ5	-12	○	○	○	○	-	-	-	-	-	-	-	-	-
SF6	φ6	-12	○	○	○	○	○	-	-	-	-	-	-	-	-
SF8	φ8	-5	○	○	○	○	○	-	-	-	-	-	-	-	-
SF10	φ10	-14	○	○	○	○	○	○	○	○	○	○	○	○	-
SF12	φ12	-6	-	○	○	○	○	○	○	○	○	○	○	○	-
SF13	φ13	-17	-	○	○	○	○	○	○	○	○	○	○	○	-
SF16	φ16	-	○	○	○	○	○	○	○	○	○	○	○	○	-
SF20	φ20	-7	-	○	○	○	○	○	○	○	○	○	○	○	○
SF25	φ25	-20	-	○	○	○	○	○	○	○	○	○	○	○	○
SF30	φ30	-	-	○	○	○	○	○	○	○	○	○	○	○	○
SF35	φ35	-9	-	-	-	○	○	○	○	○	○	○	○	○	○
SF40	φ40	-25	-	-	-	○	○	○	○	○	○	○	○	○	○
SF50	φ50	-	-	-	-	○	○	○	○	○	○	○	○	○	○
SF60	φ60	-10	-	-	-	-	-	-	○	○	○	○	○	○	○
SF80	φ80	-29	-	-	-	-	-	-	○	○	○	○	○	○	○
SF100	φ100	-12 -34	-	-	-	-	-	-	○	○	○	○	○	○	○

○ 标准库存品 Standard Length
◎ 标准准库存品 The Length to order

直线轴承代号对照表

Linear Bearing Code Table

亚洲公制 (Used in Asia)

轴承代号 Bearing code	生产公司 Manufacturer					
	中国 (CHINA)		日本 (JAPAN)			南韩 (SOUTH KOREA)
LM	MYT	太敬	IBI (台湾)	THK	HEPHAIST	IKO
SM				NACHI	NB	意大利(ITALY)
LB				NSK		
SDM				EASE		
KLM				NTN		

欧洲公制 (Used in Europe)

LME	中国 (CHINA)		日本 (JAPAN)			南韩 (SOUTH KOREA)
	MYT	太敬	THK	HEPHAIST	IKO	SAMICK
KB	德国 (GERMANY)		NACHI	NB		意大利(ITALY)
	INA					
SDM			EASE			

美洲公制 (Used in US)

LMB	中国 (CHINA)		日本 (JAPAN)			南韩 (SOUTH KOREA)
	MYT	太敬	THK	HEPHAIST	IKO	SAMICK
SW			NACHI	NB		意大利(ITALY)
SDB			EASE			

公制系列：国际标准(ISO10285)及中国标准(GB/T16940)
基本代号：LB

轴和孔的配合公差(公制)
Fitting Tolerances for S

Grooves and Bore Diameters (Metric Dimension Series)

Nominal diameter mm		Shaft Diameter Tolerance μm												Housing Bore Diameter Tolerance μm																									
		f				g				h				js				j				k				H				J				K				M	
Over	Incl	f5	f6	f7	g5	g6	g7	h5	h6	h7	h8	js5	js6	js7	j5	j6	j7	k5	k6	k7	H5	H6	H7	H8	J6	J7	J8	K6	K7	K8	M6	M7	M8						
-	3	-10 -12 -16	-6 -8 -12	-4 -6 -10	0	-2	± 3	± 5	+2 -4	-2	+4	+8 +10	+4	+6 +10	+14	+2 +4	+4	+6 0	0	0	-2	-2	-2	-2	-8	-6	-10	-14	-8	-12	-16								
3	6	-15 -18 -22	-9 -12 -16	-5 -8	-12 -18	0	± 2.5	± 4	± 5	+3 +6	-2	+8	+6 +9 +13	+1	+5 +8 +12 +18	+0	+5 +6 +10 +22	+3	+5 -1	-1	0	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2	+2						
6	10	-19 -22 -28	-11 -14 -20	-6 -9	-15 -22	0	± 4.5	± 7	± 3	+4 +7	-2	+10	+7 +10 +16	+1	+9 +9 +15 +22	+0	+5 +8 +12 +22	+4	+6 -9	-9	-14	-9	-12	-16	-10	-12	-15	-16	-12	-15	-21	-15	-21						
10	14	-16 -27 -34	-14 -17 -24	-8 -11	0	-18 -27	± 4	± 5.5	± 9	+5 +8	-3	+12	+9 +12 +19	+1	+8 +11 +18 +27	+0	+6 +10 +15 +27	+5 -8	+12 -9	-9	-12	-9	-15	-15	-18	-15	-18	-25	-25	-25	-25	-25	-25						
14	18	-29 -33 -41	-16 -20 -28	-9 -13	0	-21 -33	± 4.5	± 6.5	± 10	+5 +9	-4	+13	+11 +15 +23	+2	+9 +13 +21 +33	+0	+8 +12 +20 +33	+5 -9	+12 -13	-11	-25	-23	-17	-17	-21	-21	-21	-21	-21	-21	-21	-21	-21						
18	24	-20 -25 -30	-17 -22 -30	-11 -16	0	-25 -34	± 4.5	± 6.5	± 10	+5 +9	-4	+13	+11 +15 +23	+2	+9 +13 +21 +33	+0	+8 +12 +20 +33	+5 -9	+12 -13	-11	-25	-23	-17	-17	-21	-21	-21	-21	-21	-21	-21	-21	-21						
24	30	-36 -41 -50	-20 -25 -34	-11 -16	0	-25 -34	± 5.5	± 8	± 12	+6 +11	-5	+15	+13 +18 +27	+2	+11 +16 +25 +39	+0	+10 +14 +24 +39	+6 -11	+24 +3	+3	+7	+12	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4						
30	40	-50 -65 -80	-25 -30 -40	-13 -19	0	-30 -46	± 6.5	± 9.5	± 15	+6 +12	-7	+18	+15 +21 +32	+2	+13 +19 +30 +46	+0	+13 +18 +28 +46	+6 -12	+28 -18	-15	-21	-18	-27	-27	-20	-25	-34	-34	-34	-34	-34	-34	-34						
40	50	-65 -80 -95	-30 -35 -45	-15 -22	0	-35 -50	± 7.5	± 11	± 17	+6 +13	-9	+20	+18 +25 +38	+3	+15 +22 +35 +54	+0	+16 +22 +34 +54	+6 -13	+22 -20	-18	-25	-20	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25						
50	65	-80 -95 -110	-35 -40 -50	-18 -23	0	-40 -55	± 8.5	± 12	± 18	+6 +12	-7	+12	+18 +21 +32	+2	+13 +19 +30 +46	+0	+13 +18 +28 +46	+6 -12	+28 -18	-15	-21	-18	-27	-27	-20	-25	-34	-34	-34	-34	-34	-34	-34						
65	80	-95 -110 -125	-40 -45 -55	-22 -27	0	-50 -65	± 9.5	± 15	± 20	+6 +13	-9	+20	+18 +25 +38	+3	+15 +22 +35 +54	+0	+16 +22 +34 +54	+6 -13	+22 -20	-18	-25	-20	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25					
80	100	-110 -130 -150	-45 -55 -65	-27 -32	0	-55 -70	± 10	± 15	± 20	+6 +13	-9	+20	+18 +25 +38	+3	+15 +22 +35 +54	+0	+16 +22 +34 +54	+6 -13	+22 -20	-18	-25	-20	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25						
100	120	-130 -150 -170	-55 -65 -75	-32 -42	0	-70 -85	± 12	± 17	± 25	+6 +13	-9	+20	+18 +25 +38	+3	+15 +22 +35 +54	+0	+16 +22 +34 +54	+6 -13	+22 -20	-18	-25	-20	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25						
120	140	-150 -170 -190	-65 -75 -85	-42 -52	0	-85 -100	± 14	± 20	± 25	+7 +14	-11	+22	+21 +28 +43	+3	+18 +25 +40 +63	+0	+18 +25 +40 +63	+7 -14	+41 +21	+4	+12 -22	-21	-28	-28	-35	-48	-35	-48	-35	-48	-35	-48	-35	-48					
140	160	-170 -190 -210	-75 -85 -95	-52 -62	0	-100 -115	± 14	± 20	± 25	+7 +14	-11	+22	+21 +28 +43	+3	+18 +25 +40 +63	+0	+18 +25 +40 +63	+7 -14	+41 +21	+4	+12 -22	-21	-28	-28	-35	-48	-35	-48	-35	-48	-35	-48	-35	-48					
160	180	-190 -210 -230	-85 -95 -105	-62 -72	0	-115 -130	± 14	± 20	± 25	+7 +14	-11	+22	+21 +28 +43	+3	+18 +25 +40 +63	+0	+18 +25 +40 +63	+7 -14	+41 +21	+4	+12 -22	-21	-28	-28	-35	-48	-35	-48	-35	-48	-35	-48	-35	-48					

轴和孔的配合公差 (英制)

Fitting Tolerances for Shafts and Bore Diameters

孔公差 Tolerance for Bore

轴公差 Tolerance for shaft

区分 Division	直径 Diameter		g5		g6		g7		h5		h6		h7	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
以上	0.1181	3	-0.0001	-0.004	-0.0001	-0.004	-0.0001	-0.004	0	0	0	0	0	0
以下	0.2362	6	-0.0003	-0.009	-0.0004	-0.012	-0.0006	-0.016	-0.0002	-0.005	-0.0003	-0.008	-0.0004	-0.01
以上	0.2362	6	-0.0002	-0.005	-0.0002	-0.005	-0.0002	-0.005	0	0	0	0	0	0
以下	0.3937	10	-0.0004	-0.011	-0.0005	-0.014	-0.0007	-0.020	-0.0002	-0.006	-0.0003	-0.009	-0.0006	-0.01
以上	0.3937	10	-0.0002	-0.006	-0.0002	-0.006	-0.0002	-0.006	0	0	0	0	0	0
以下	0.7087	18	-0.0005	-0.014	-0.0006	-0.017	-0.0009	-0.024	-0.0003	-0.008	-0.0004	-0.011	-0.0007	-0.01
以上	0.7087	18	-0.0002	-0.007	-0.0002	-0.007	-0.0002	-0.007	0	0	0	0	0	0
以下	1.1811	30	-0.0006	-0.016	-0.0007	-0.020	-0.0011	-0.028	-0.0003	-0.009	-0.0005	-0.013	-0.0008	-0.02
以上	1.1811	30	-0.0003	-0.009	-0.0003	-0.009	-0.0003	-0.009	0	0	0	0	0	0
以下	1.9685	50	-0.0007	-0.020	-0.0009	-0.025	-0.0013	-0.034	-0.0004	-0.011	-0.0006	-0.016	-0.0009	-0.02
以上	1.9685	50	-0.0004	-0.010	-0.0004	-0.010	-0.0004	-0.010	0	0	0	0	0	0
以下	3.1496	80	-0.0009	-0.023	-0.0011	-0.029	-0.0015	-0.040	-0.0005	-0.013	-0.0007	-0.019	-0.0011	-0.03
以上	3.1496	80	-0.0004	-0.012	-0.0004	-0.012	-0.0004	-0.012	0	0	0	0	0	0
以下	4.7244	120	-0.0010	-0.027	-0.0013	-0.034	-0.0018	-0.047	-0.0006	-0.015	-0.0008	-0.022	-0.0013	-0.03