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LINEAR PRODUCT CATALOGUE

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直线轴承系列 Linear Motion Ball Bearing

标准型
P.07 LM
P.11 LME
P.19 LMB



间隙调整型
P.09 LM...GA-AJ
P.13 LME...GA-AJ



间隙调整型
P.07 LM-AJ
P.11 LME-AJ
P.19 LMB-AJ



加长型
P.15 LM...L
P.16 LME...L
P.21 LMB...L



开口型
P.09 LM...GA-OP
P.13 LME...GA-OP



加长型
P.17 LM...LGA
P.18 LME...LGA



行程轴承
P.23 ST
P.24 ST...B



行程轴承 Stroke Bearing

冲压外圈型
P.25 KH



冲压外圈型 Pressing Bush Bearing

法兰式 直线轴承 Flanged Linear Motion Ball Bearing

方法法兰型

P.29 LMK
P.45 LMK
P.53 LMBK



椭圆法兰型

P.35 LMHP...GA



导向方法法兰型

P.57 LMKP



导向椭圆法兰型

P.67 LMHP...GA



圆法兰型

P.29 LMF
P.45 LMEF
P.53 LMBF



方法法兰型

P.31 LMK...GA
P.47 LMEK...GA



导向圆法兰型

P.57 LMFP



导向方法法兰型

P.59 LMKP...GA



加长圆法兰型

P.39 LMF...LGA
P.49 LMEF...LGA
P.55 LMBF...L



圆法兰型

P.31 LME...GA
P.47 LMEF...GA



椭圆法兰型

P.33 LMH



导向圆法兰型

P.59 LMFP...GA



导向椭圆法兰型

P.65 LMHP



加长圆法兰型

P.39 LMF...LGA
P.51 LMEF...LGA



加长方法法兰型

P.37 LMK...L
P.49 LMEK...L
P.55 LMBK...L



加长椭圆法兰型

P.43 LMH...LGA



加长导向方法法兰型

P.61 LMKP...L



加长导向椭圆法兰型

P.71 LMHP...LGA



加长中间方法法兰型

P.73 LMKM...LGA
P.81 LMEKM...L
P.85 LMBKM...L



加长方法法兰型

P.39 LMK...LGA
P.51 LMEK...LGA



加长导向椭圆法兰型

P.61 LMFP...L



加长导向方法法兰型

P.63 LMKP...LGA



加长中间椭圆法兰型

P.73 LMFM...L
P.81 LMEFM...L
P.85 LMBFM...L



加长中间方法法兰型

P.75 LMKM...LGA
P.83 LMEKM...LGA



加长椭圆法兰型

P.41 LMH...L



加长导向椭圆法兰型

P.63 LMFP...LGA



加长导向椭圆法兰型

P.69 LMHP...L



加长中间椭圆法兰型

P.75 LMFM...LGA
P.83 LMEFM...LGA



加长中间椭圆法兰型

P.77 LMHM...L



加长中间横圆法兰型
P.79 LMHM...LGA



法兰型行程轴承 Flanged Stroke Bearing

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P.93 STH...B



P.87 STF
P.89 STF...B



P.87 STK
P.89 STK...B



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

矩型
P.97 SC...S
P.99 SCE...S



标准型
P.97 SC
P.99 SCE



加长型
P.97 SC...L
P.99 SCE...L



间隙可调型
P.96 SCJ



支撑导轨单元 Support Rail Units

SBR...S系列
P.104



SBR...S系列
P.104



TBR...S系列
P.105



SBS/TBS系列
P.102-103



TBR系列
P.105



轴支座 Shaft Support

SH系列
P.106



SHF系列
P.107



轴 Shafts

SF系列
P.108



丝杆 Lead Screws

TM系列
P.113



TMS系列
P.114



直线轴承

Linear Motion Ball Bearing

结构和优点 Structure and Features

- **SNB** 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，具有足够的硬度，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。
- The **SNB** 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 is held inside the outer cylinder by end rings.

1. 高精度和刚性 High Precision and Rigidity

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

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

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。**SNB** 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 **SNB** 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. **SNB** also provides a variety of housings for all types of slide bushings, offering convenience of design and assembly.

3. 易于更换 Ease of Replacement

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

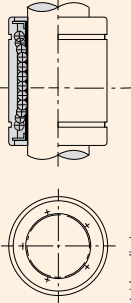
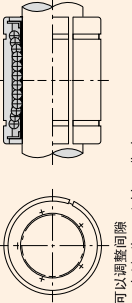
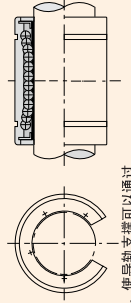
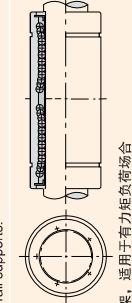
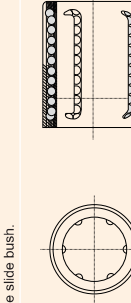
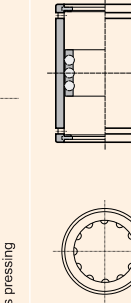
SNB linear motion bearing of each type are completely interchangeable because of their standardized dimensions and strict precision control. Replacement because of wear or damage is therefore easy and accurate.

4. 品种齐全 Variety of Types

SNB 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。

SNB 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
			尼龙 Resin
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	钢 Steel
			尼龙 Resin
开口型 Open Type	 切除一细环，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	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 moment loads are applied to the slide bush.	钢 Steel	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
			钢 Steel
行程轴承 Stroke Bearing	 封闭外圈型 Closed type outside cylinder	钢 Steel	铝 Aluminum
			钢 Steel

直线轴承的代号
Type Number Format

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					
M 镀镍 Nickel plated							
符号 Symbol		代表意义 Specification					
不标 No entry		不带密封 No seal					
U		单密封 Seals on one side					
UU		双密封 Seals on both sides					
符号 Symbol		代表意义 Specification					
不标 No entry		标准型 Standard type					
AJ		间隙调整型 Adjustable type					
OP		开口型 Open type					
密封 Seal							

LM25LMAJUU

公差
Tolerance

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

额定负荷和寿命估算
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:

$$L = \left(\frac{f_w \cdot f_r \cdot f_c}{f_w} \cdot \frac{C}{P} \right)^3 \cdot 50 \quad (1)$$

L: 额定寿命 Rated life (km)
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
f_r: 速度系数 Temperature coefficient
f_c: 接触系数 Contact coefficient

- The **SNB** 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.

- 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_n) 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:

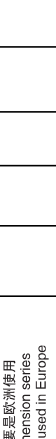
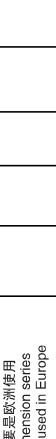
$$L_n = \left(\frac{L \cdot 10^3}{2 \cdot f_s \cdot n \cdot 60} \right) \quad (2)$$

L_n: 时间寿命 Lifespan(hr) f_s: 行程长度 Stroke length(m)
L: 额定寿命 Rated life(m) n: 每分钟往复次数 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

- **SNB** 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通。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，下表列出了不同球列数的额定负荷的各种情况：

表1 Table 1

作用位置 额定负荷 Row position Load rating	3	4	5	6	8
作用位置 Row position	 Q ₁ =P ₀	 Q ₁ =P ₀	 Q ₁ =1.108P ₀	 Q ₁ =1.354P ₀	 Q ₁ =1.841P ₀
作用位置 Row position	 Q ₀ =P ₀	 Q ₀ =1.414P ₀	 Q ₀ =1.618P ₀	 Q ₀ =1.732P ₀	 Q ₀ =2.052P ₀
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

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 and lifespan L_n of the KENT slide bush used in the following conditions:
轴承型号 Slide bush: LM20
行程长度 Stroke length: 50mm
每分钟往复次数 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:
$$L = \left(\frac{f_w \cdot f_r \cdot f_c}{f_w} \cdot \frac{C}{P} \right)^3 \cdot 50$$

f_w = f_r = f_c = 1.0
$$= \left(\frac{882}{490} \right)^3 \cdot 50 = 292\text{km}$$
- ② 根据下列条件计算轴承额定寿命：
Obtaining the rated life and lifespan L_n of the KENT slide bush used in the following conditions:
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:
$$L_n = \left(\frac{L \cdot 10^3}{2 \cdot f_s \cdot n \cdot 60} \right)$$

f_s = 0.81, f_w = f_r = f_c = 1

根据式(2)，时间寿命计算如下：
From equation(2), the lifespan L_n is obtained as follows
结果从样本中查得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 KENT 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安装到轴上时，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安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 **SNB** 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 Tight fit	过渡配合 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性能，必须使用高精度的轴和轴承座。
- To optimize performance of the **SNB** slide bush, high precision of the shaft and housing is required.

1. 轴 Shaft

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

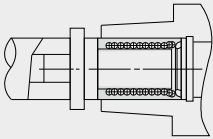
- 1) 因为表面粗糙度极大的影响运作的平稳性，因此轴表面粗糙度应达到 Ra0.4 或更好。
Since the surface finish critically affects smooth rolling of balls, grind the shaft at 0.4 S or better.
- 2) 最佳硬度是 HRC 60-64，硬度低于 HRC 60 会明显地降低寿命，故而降低了承载能力。另一方面，硬度超过 HRC 64，会增加轴承钢球的磨损。
The best hardness of the shaft is HRC 60 to 64. Hardness less than HRC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

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)。轴承安装到轴承座之后需仔细地将其轴插入，注意不要碰击钢球。如果同时使用二根平行的轴，则轴承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

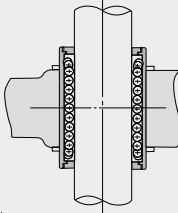


Fig.4

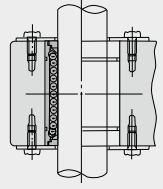


Fig.3

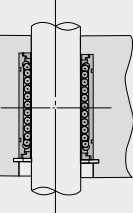


Fig.5

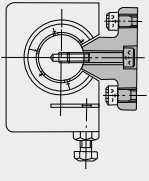
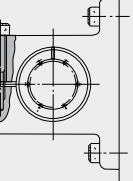


Fig.6

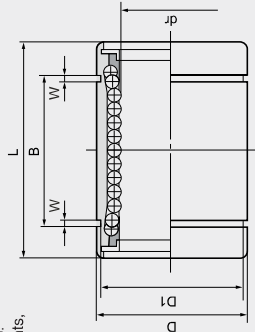


LM...GA 锌合金保持架

该系列尺寸是公制的，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 (Zinc alloy 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.



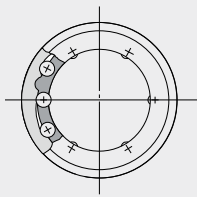
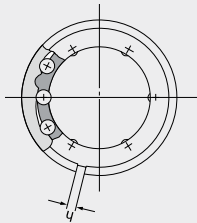
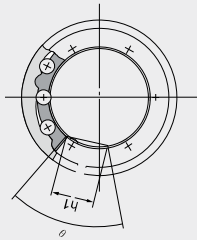
LM...GA

LM...GA-AJ

LM...GA-OP

公称外径 Nominal diameter mm	尼龙保持架 Resin retainer							公差 Tolerance μm				
	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	精密 Precision	普通 High
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	0
12	LM12GA	4	36.7	LM12GA-AJ	4	36.2	LM12GA-OP	3	27.5	12	-6	-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	0
30	LM30GA	6	326	LM30GA-AJ	6	321	LM30GA-OP	5	271.7	30	-7	-10
35	LM35GA	6	489	LM35GA-AJ	6	483	LM35GA-OP	5	407.5	35	0	0
40	LM40GA	6	730	LM40GA-AJ	6	724	LM40GA-OP	5	608.3	40	-8	-12

LM20 M/GA M 镀镍 M 镀镍
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.



LM...GA

LM...GA-AJ

LM...GA-OP

主要尺寸和公差 Major dimensions and tolerance										
D mm	公差 Tolerance μm	L mm	公差 Tolerance μm	B mm	公差 Tolerance μm	W mm	D ₁ mm	h mm	h ₁ mm	Θ
12	0	19	—	13.5	—	1.1	11.5	1	—	—
15	-11	24	—	17.5	—	1.1	14.3	1	—	—
19	—	29	—	22	—	1.3	18	1	6.8	80°
21	0	30	0	23	0	1.3	20	1.5	8	80°
23	-13	32	-200	23	-200	1.3	22	1.5	9	80°
28	—	37	—	26.5	—	1.6	27	1.5	11	80°
32	—	42	—	30.5	—	1.6	30.5	1.5	11	60°
40	0	59	—	41	—	1.85	38	2	12	50°
45	-16	64	—	44.5	—	1.85	43	2.5	15	50°
52	0	70	0	49.5	0	2.1	49	2.5	17	50°
60	-19	80	-300	60.5	-300	2.1	57	3	20	50°

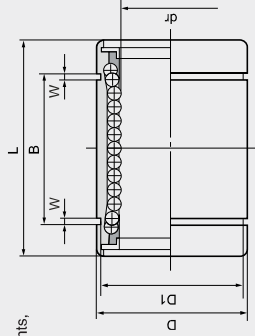
国际单位：1N=0.102kgf
SIUNIT：1N=0.102kgf

LME...UU 尼龙保持架

该类尺寸是公制的，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...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

LME...UU-OP

公称轴径 Nominal diameter mm	标准型 LME...UU	钢球列数 Ball circuit	重量 Weight (g)	尼龙保持架 Resin retainer		开孔型 LME...UU-OP	钢球列数 Ball circuit	重量 Weight (g)	dr	
				间隔调整型 LME...UU-AJ	重量 Weight (g)				公差 Tolerance	精度 Precision
3	LME3	4	1.35	—	—	—	—	—	3	—
4	LME4	4	1.9	—	—	—	—	—	4	—
5	LME5UU	4	11	LME5UU-AJ	4	10	—	—	5	+8 0
8	LME8UU	4	20	LME8UU-AJ	4	19.5	—	—	8	—
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
40	LME40UU	6	705	LME40UU-AJ	6	694	LME40UU-OP	5	600	40
50	LME50UU	6	1,130	LME50UU-AJ	6	1,110	LME50UU-OP	5	970	50
60	LME60UU	6	2,050	LME60UU-AJ	6	2,000	LME60UU-OP	5	1,580	60
80	LME80UU	6	5,140	LME80UU-AJ	6	5,000	LME80UU-OP	5	4,380	80

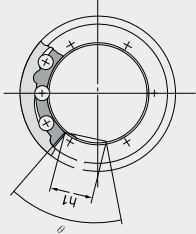
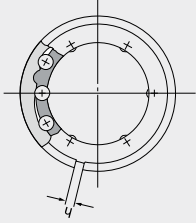
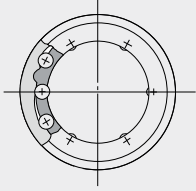
密封型 Seal type:

LME20 UU

注：小尺寸 (3/84mm 内径) 无密封。

Note: Smaller sizes (3 and 4mm I.D.) are non-seal type only.

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



LME...UU

LME...UU-AJ

LME...UU-OP

主要尺寸和公差 Major dimensions and tolerance										最大 径向间隙 Radial clearance (mm) μm	偏心 Eccentricity μm	基本负荷 Basic load rating	
D	公差 Tolerance μm	L	公差 Tolerance μm	B	公差 Tolerance μm	W	D _i	h	h _i			动负荷 Dynamic C N	静负荷 Static Co N
7	0	10	0	—	—	—	—	—	—	—	10	69	105
8	0	12	-120	—	—	—	—	—	—	—	—	88	127
12	-8	22	14.5	14.5	14.5	1.1	11.5	1	—	—	—	206	285
16	—	25	16.5	16.5	16.5	1.1	15.2	1	—	—	—	265	402
19	—	29	0	22	0	1.3	18	1	6.8	80°	12	372	549
22	-9	32	-200	22.9	-200	1.3	21	1.5	7.5	78°	—	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°	—	862	1,370
40	0	58	—	44.1	—	1.85	37.5	2	12.5	60°	15	980	1,570
47	-11	68	—	52.1	—	1.85	44.5	2	12.5	50°	—	1,570	2,740
62	0	80	-300	60.6	-300	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	-15	125	0	101.7	0	3.15	86.5	3	27.2	54°	20	4,700	9,800
120	-19	165	-400	133.7	-400	4.15	116	3	36.3	54°	25	7,350	16,000

国际单位: 1N=0.102kgf

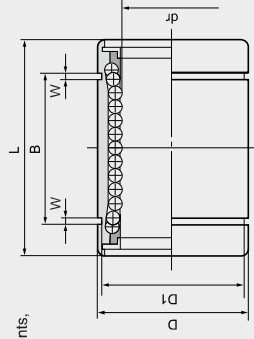
SUNIT: 1N=0.102kgf

LME...GA 锌合金保持架

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...GA(Zinc alloy 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...GA

LME...GA-AJ

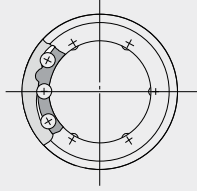
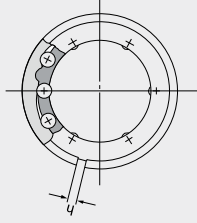
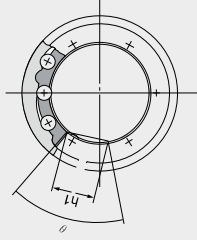
LME...GA-OP

公称轴径 Nominal shaft diameter mm	尼龙保持架 Resin retainer							公差 Tolerance μm		
	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)	开孔型 LME→UU-OP	钢球列数 Ball circuit	重量 Weight (g)	精密 Precision
8	LME8GA	4	25.2	LME8GA-AJ	4	24.7	—	—	—	8
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
16	LME16GA	5	73.5	LME16GA-AJ	5	72.5	LME16GA-OP	4	58.8	16
20	LME20GA	5	120.3	LME20GA-AJ	5	119.3	LME20GA-OP	4	96.2	20
25	LME25GA	6	271.9	LME25GA-AJ	6	268.9	LME25GA-OP	5	226.6	25
30	LME30GA	6	417.3	LME30GA-AJ	6	412.3	LME30GA-OP	5	347.8	+11 -1
40	LME40GA	6	894.1	LME40GA-AJ	6	883.1	LME40GA-OP	5	745.1	+13 -2

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.

LME20 M GA

M 镀镍 M Nickel plated



LME...GA

LME...GA-AJ

LME...GA-OP

主要尺寸和公差 Major dimensions and tolerance										偏心 Eccentricity μm	径向 clearance (ball ID) μm	额定负荷 Basic load rating	
D	公差 Tolerance μm	L	公差 Tolerance μm	B	公差 Tolerance μm	W	D _i	h	h _i			动态 Dynamic C N	静态 Static C ₀ N
16	0 -8	25	16.5	16.5	1.1	15.2	1	—	—	—	—	265	402
19	—	29	22	22	1.3	18	1	6.8	80°	—	—	372	549
22	0 -9	32	0 -200	22.9	0 -200	21	1.5	7.5	78°	12	—	510	784
26	—	36	24.9	24.9	1.3	24.9	1.5	10	78°	—	—	578	892
32	—	45	31.5	31.5	1.6	30.3	2	10	60°	—	—	862	1,370
40	0 -11	58	44.1	44.1	1.85	37.5	2	12.5	60°	15	—	980	1,570
47	—	68	52.1	52.1	1.85	44.5	2	12.5	50°	—	—	1,570	2,740
62	0 -13	80	60.6	60.6	2.15	59	3	16.8	50°	17	—	2,160	4,020

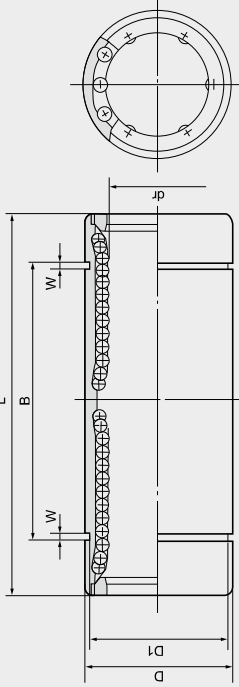
国际单位：1N=0.102kgf
SIUNIT：1N=0.102kgf

LM...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。
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LM...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.



LM...LUU

公称轴径 Nominal shaft diameter mm	标准型 LM...LUU	钢球 Ball circuit	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		B		W				
			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	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	动态 Dynamic C N	
4	LM4L	4	4	0	8	0	23	0	—	—	—	12	106	254	4
5	LM5LUU	4	5	-9	10	-11	28	-200	20.4	0	1.1	9.6	261	412	8.4
6	LM6LUU	4	6		12	0	35	27	1.1	11.5	1.1	11.5	323	530	16
8	LM8LUU	4	8		15	-13	45	35	1.1	14.3	1.1	14.3	431	784	31
10	LM10LUU	4	10	0	19		55	44	1.3	18	1.3	18	588	1,100	62
12	LM12LUU	4	12	-10	21	0	57	0	46	20	1.3	20	813	1,570	80
13	LM13LUU	4	13		23	-16	61	46	1.3	22	1.3	22	813	1,570	90
16	LM16LUU	5	16		28		70	53	1.6	27	1.6	27	1,230	2,350	145
20	LM20LUU	5	20		32	0	80	61	1.6	30.5	1.6	30.5	1,400	2,740	180
25	LM25LUU	6	25	0	-12	45	112	82	1.85	38	1.85	38	1,560	3,140	440
30	LM30LUU	6	30		40	-19	123	89	1.85	43	1.85	43	2,490	5,490	480
35	LM35LUU	6	35		52		135	99	0	49	2.1	49	2,650	6,270	795
40	LM40LUU	6	40	0	60	-22	151	121	0	57	2.1	57	3,430	8,040	1,170
50	LM50LUU	6	50	-15	80		192	148	2.6	76.5	2.6	76.5	6,080	15,900	3,100
60	LM60LUU	6	60	0	90	0	209	170	3.15	86.5	3.15	86.5	7,550	20,000	3,500
80	LM80LUU	6	80	-20	120	-25	265	216	4.15	116	4.15	116	11,500	32,000	7,710

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

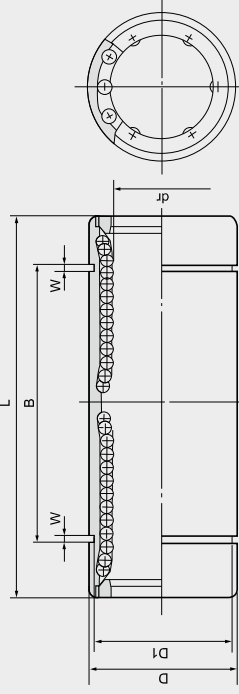
密封型 Seal type: LM20 L M UU	不锈 U	不带密封 UU	发密封 M	镍镀 M	No seals Seal on one side Seal on both sides

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 LME...LUU	钢球 列数 Ball circuit	主要尺寸和公差 Major dimensions and tolerance										偏心 Eccentricity μm		基本负荷 Basic load rating Dynamic C N Static Co N		重量 Weight (g)
			dr		D		L		B		W						
			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	0	1.3	21	15	813	1,570	80		
16	LME16LUU	5	16	+11	26	-11	68	-300	-300	1.3	24.9		921	1,780	115		
20	LME20LUU	5	20	-1	32		80	61		1.6	30.5		1,370	2,740	180		
25	LME25LUU	6	25	+13	40	0	112	82	185	38		17	1,570	3,140	430		
30	LME30LUU	6	30	-2	47	-13	123	104.2	185	44.5			2,500	5,490	615		
40	LME40LUU	6	40	+6	62	0	151	0	212	59			3,430	8,040	1,400		
50	LME50LUU	6	50	-4	75	-15	192	152	-400	26.5	72	20	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		

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

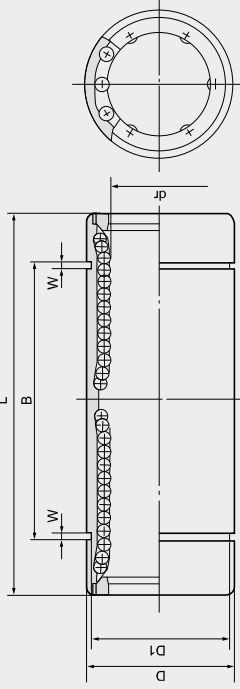
密封型 Seal type: LM20 L M UU	不锈 U	不带密封 UU	发密封 M	镍镀 M	No seals Seal on one side Seal on both sides

LM...LGA 铝合金保持架

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LM...LGA (Zinc alloy 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...LGA

公称轴径 Nominal 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		动态 Dynamic C/N	静态 Static Co N	
6	LM6LGA	4	6	12	0	27	35	11.5	1.1	323	530	18.6
8	LM8LGA	4	8	15	-13	35	45	14.3	1.1	431	784	35.6
10	LM10LGA	4	10	19	0	44	55	18	1.3	588	1,100	67
12	LM12LGA	4	12	-10	0	46	57	20	1.3	813	1,570	90.4
13	LM12LGA	4	13	23	-16	61	61	22	1.3	813	1,570	104
16	LM16LGA	5	16	28	0	70	70	27	1.6	1,230	2,350	179
20	LM20LGA	5	20	32	0	80	80	30.5	1.6	1,400	2,740	230
25	LM25LGA	6	25	40	-19	112	112	38	1.85	1,560	3,140	564
30	LM30LGA	6	30	45	0	123	123	43	1.85	2,490	5,490	632
35	LM35LGA	6	35	52	0	135	135	49	2.1	2,650	6,270	993
40	LM40LGA	6	40	60	-22	151	151	57	2.1	3,430	8,040	1,460

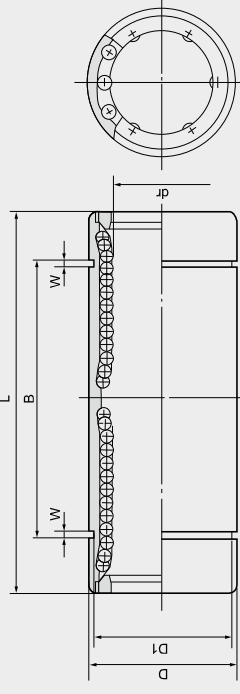
LM20 L M GA M 镀镍 M 镀镍
国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LME...LGA 铝合金保持架

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 (Zinc alloy 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...LGA

公称轴径 Nominal 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		动态 Dynamic C/N	静态 Static Co N	
8	LME8LGA	4	8	+9	46	33	1.1	15.2	1.1	421	804	50.4
12	LME12LGA	4	12	-1	61	45.8	1.3	21	15	813	1,570	103.8
16	LME16LGA	5	16	+11	68	49.8	1.3	24.9	15	921	1,780	148
20	LME20LGA	5	20	-1	80	61	1.6	30.5	17	1,370	2,740	238.6
25	LME25LGA	6	25	+13	112	82	1.85	38	17	1,570	3,140	543.8
30	LME30LGA	6	30	-2	123	104.2	1.85	44.5	20	2,500	5,490	799.6
40	LME40LGA	6	40	+16	151	121.2	2.15	59	20	3,430	8,040	1,778

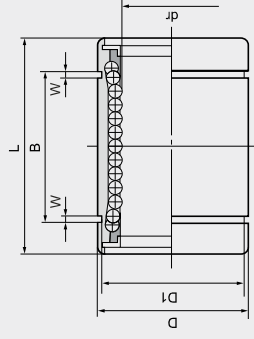
LM20 L M GA M 镀镍 M 镀镍
国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMB...UU 厄龙保持架

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 nickel plated according to customers' requirements, with function of rust-proof.



LMB...UU

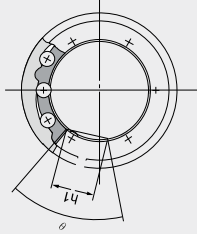
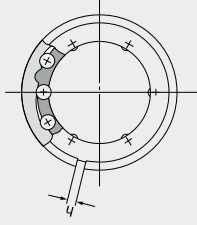
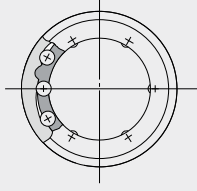
LMB...UU-AJ

LMB...UU-OP

公称轴径 Nominal diameter Inch/mm	标准型 LMB...UU	厄龙保持架 Resin retainer			dr		
		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)	公差 Tolerance Inch/mm 精密 Precision 普通 High
1/4 6.350	LMB4	4	8.0	LMB4-AJ	4	7.5	—
3/8 9.525	LMB6UU	4	14	LMB6UU-AJ	4	13.5	—
1/2 12.700	LMB8UU	4	37	LMB8UU-AJ	4	36.5	LMB8UU-OP
5/8 15.875	LMB10UU	4	76	LMB10UU-AJ	4	74	LMB10UU-OP
3/4 19.050	LMB12UU	5	95	LMB12UU-AJ	5	93	LMB12UU-OP
1-1/4 25.400	LMB16UU	6	200	LMB16UU-AJ	6	198	LMB16UU-OP
1-1/2 31.750	LMB20UU	6	440	LMB20UU-AJ	6	430	LMB20UU-OP
1-1/2 38.100	LMB24UU	6	670	LMB24UU-AJ	6	660	LMB24UU-OP
2 50.800	LMB32UU	6	1,140	LMB32UU-AJ	6	1,120	LMB32UU-OP

密封型 Seal type: LMB20 M UU	不标	不靠密封	No entry	No seals
	UU	靠密封	U	Seal on one side
	UU	双密封	UU	Seal on both sides
	M	镀镍	M	Nickel 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.



LMB...UU

LMB...UU-AJ

LMB...UU-OP

主要尺寸和公差 Major dimensions and tolerance											
D	L	B		W	D _i	h	h _i	θ	偏心度 Eccentricity Inch/mm		最大 径向 间隙 Radial clearance Max Inch/mm
		Inch mm	公差 Tolerance Inch/mm Inch/μm						精密 Precision	普通 High	
.5000 12.700	.7500 19.050	.5110 12.98	.0390 9.92	.4687 11.906	.04 1	—	—	—	.0003 8	.0005 12	-.0001 -3
.6250 15.875	.8750 22.225	.6358 16.15	0 -.008	.5880 14.935	.04 1	—	—	—	.0003 8	.0005 12	-.0001 -3
.8750 22.225	1.2500 31.750	.9826 24.46	0 -.00050	.8209 20.853	.06 1.5	.34 7.9375	.80°	.80°	.0003 8	.0005 12	-.0001 -3
1.1250 28.575	1.5000 38.100	1.1039 28.04	0 -.00050	1.0590 26.899	.06 1.5	.375 9.525	.80°	.80°	.0003 8	.0005 12	-.0001 -3
1.2500 31.750	1.6250 41.275	1.1657 29.61	0 -.00065	1.1760 29.870	.06 1.5	.4375 11.1125	.60°	.60°	.0004 10	.0006 15	-.0002 -6
1.5625 39.688	2.2500 57.150	1.7547 44.57	0 -.00075	1.4687 37.306	.06 1.5	.5625 14.2875	.50°	.50°	.0004 10	.0006 15	-.0002 -6
2.0000 50.800	2.6250 66.675	2.0047 50.92	0 -.0012	1.8859 47.904	.10 2.5	.625 15.875	.50°	.50°	.0005 12	.0008 20	-.0003 -8
2.3750 60.325	3.0000 76.200	2.4118 61.26	0 -.0015	2.2389 56.870	.12 3	.75 19.05	.50°	.50°	.0005 12	.0010 25	-.0005 -13
3.0000 76.200	4.0000 101.600	3.1917 81.07	0 -.0020	2.8379 72.065	.12 3	1.0 25.40	.50°	.50°	.0007 17	.0010 25	-.0005 -13

国际单位: 1N=0.225lbf
1kg=2.205lbf
SIUNIT: 1N=0.225lbf
1kg=2.205lbf

LMB...LUU 尼龙保持架

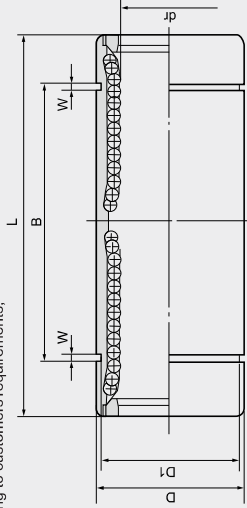
该类型尺寸是选制的，主要是美洲应用。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMB...LUU (Resin retainer)

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

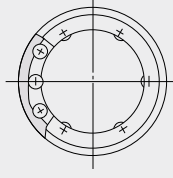


LMB...LUU



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	公差 Tolerance Inch/ μ m
1/4 6.350	LMB4L	17.5	4	.2500 6.350	0
3/8 9.525	LMB6LUU	28	4	.3750 9.525	-0.00040
1/2 12.700	LMB8LUU	80	4	.5000 12.700	0
5/8 15.875	LMB10LUU	160	4	.6250 15.875	-10
3/4 19.050	LMB12LUU	195	5	.7500 19.050	0
1 25.400	LMB16LUU	410	6	1.0000 25.400	-0.00050
1-1/4 31.750	LMB20LUU	820	6	1.2500 31.750	-12
1-1/2 38.100	LMB24LUU	1250	6	1.5000 38.100	0
2 50.800	LMB32LUU	1350	6	2.0000 50.800	-15

密封型 Seal type:	不标	不帶密封	不帶密封	No entry	No seals
LMB20 L M U U	U	U	U	U	U
	UU	UU	UU	UU	UU
	M	M	M	M	M



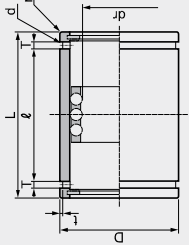
LMB...LUU

主要尺寸和公差 Major dimensions and tolerance										偏心 Eccentricity Inch/ μ m	额定负荷 Basic load rating	
D		L		B		W		D1			动态负荷 Dynamic C N	静负荷 Static Co N
Inch mm	公差 Tolerance Inch/ μ m	Inch mm	公差 Tolerance Inch/ μ m	Inch mm	公差 Tolerance Inch/ μ m	Inch mm	公差 Tolerance Inch/ μ m	Inch mm	公差 Tolerance Inch/ μ m			
.5000 12.700	0.0000 0 -0.3	1.3750 34.925	0	1.0220 25.959	0	.0390 9.92	.4687 11.906	.0390 9.92	.5880 14.935			
.6250 15.875	0	1.5938 40.481	-0.012	32.298 820.9	-0.012	.0390 9.92	.5880 14.935	.0390 9.92	.8209 20.853	353	630	
.8750 22.225	-0.00065 0	2.3750 60.325	0	48.895 1246.5	0	1.9250 48.895	.8209 20.853	.0459 11.68	1.0590 26.899	813	1570	
.1250 31.750	-0.016 0	2.8125 71.438	-300 -7.62	56.080 1422.0	-300 -7.62	.0559 14.22	1.0590 26.899	.0559 14.22	1.1760 29.870	1,230	2,350	
.1500 38.100	-0.00075 0	3.0937 78.581	0	59.218 1504.4	0	.0679 17.27	1.1760 29.870	.0679 17.27	1.4687 37.306	1,370	2,740	
.3968 10.077	-0.019 0	4.2831 108.744	0	89.139 2268.3	0	3.5049 89.139	1.4687 37.306	3.5049 89.139	1.8859 47.904	1,570	3,140	
.2000 50.800	0	5.0000 127.000	-0.016 0	101.839 2590.4	-0.016 0	4.0094 101.839	1.8859 47.904	.0679 17.27	2.2389 56.870	2,500	5,490	
.2375 60.325	0	5.6875 144.463	0	122.519 3113.3	0	.0859 21.84	2.2389 56.870	.0859 21.84	2.8379 72.085	3,430	8,040	
.3000 76.200	-0.0010 0	7.7500 196.850	-400 -10.16	162.138 4128.0	-400 -10.16	0.1029 26.16	2.8379 72.085	.1029 26.16	3.5049 89.139	6,080	15,900	

国际单位: 1N=0.225lbs
1kg=2.205lbs
SI UNIT: 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 nickel 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	T		t	d	r	动态负荷 Dynamic C _N
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	mm	mm	mm	mm	mm	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			461	637	28.8
ST 12	32	3	12		23	0	32	-200					813	1,070	42
ST 13	32	3	13	+27 +16	23	-13	32						813	1,070	39.8
ST 16	40	3	16		28		37						990	1,180	71
ST 20	50	3	20		32		45						1,170	1,260	99
ST 25	50	3	25	+33 +20	37	0 -16	45						1,330	1,330	117
ST 30	82	3	30		45		65						2,990	3,140	205
ST 35	92	3	35		52		70	0					3,140	3,530	329
ST 40	108	3	40	+41 +25	60	0 -19	80	-300					4,120	4,800	516
ST 50	138	3	50		72		100						5,540	6,910	827
ST 60	138	3	60	+49	85	0	100						5,980	8,230	1,240
ST 80	132	3	80	+30	110	-22	100	0					7,840	12,200	2,050
ST100	132	3	100	+58/-36	130	0/-25	100	-400					8,430	14,700	2,440

ST20 M M 镀镍
B 重负荷型
Nickel plated
Heavy duty type

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		T		t			r	动态负荷 Dynamic Co N	静态负荷 Static Co N
			mm	公差 Tolerance	mm	公差 Tolerance	mm	公差 Tolerance	mm	公差 Tolerance	mm	公差 Tolerance	mm	公差 Tolerance				
				μm		μm		μm		μm		μm		μm				
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	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	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		110		100	86	3	1.5	2.5	2	12,700	24,300	2,110			
ST100B	76	6	100	+58/-36	130	0/-25	100	86	3	1.5	2.5	2	13,700	29,400	2,520			

ST20 B M M 镀镍
B 重负荷型
Nickel plated
Heavy duty type

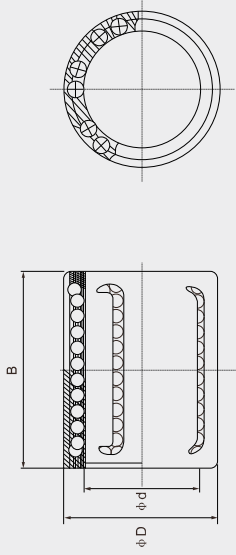
1N=0.102kgf

冲压外圈型: KH

Pressing Bush Bearing: KH



KH...



型号 Model	主要尺寸 Major dimensions (mm)			额定载荷 Basic load rating		重量 Weight (g)
	φd	φD	B	动载荷 Dynamic C N	静载荷 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	No entry	No seals
P	单密封	Seal on one side
PP	双密封	Seal on both sides

法兰式直线轴承 Flanged Linear Motion Ball Bearing

● SNB 法兰型直线轴承外圈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级载荷。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 SNB 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 precision 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。

● SNB 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很好地承受力矩负荷。

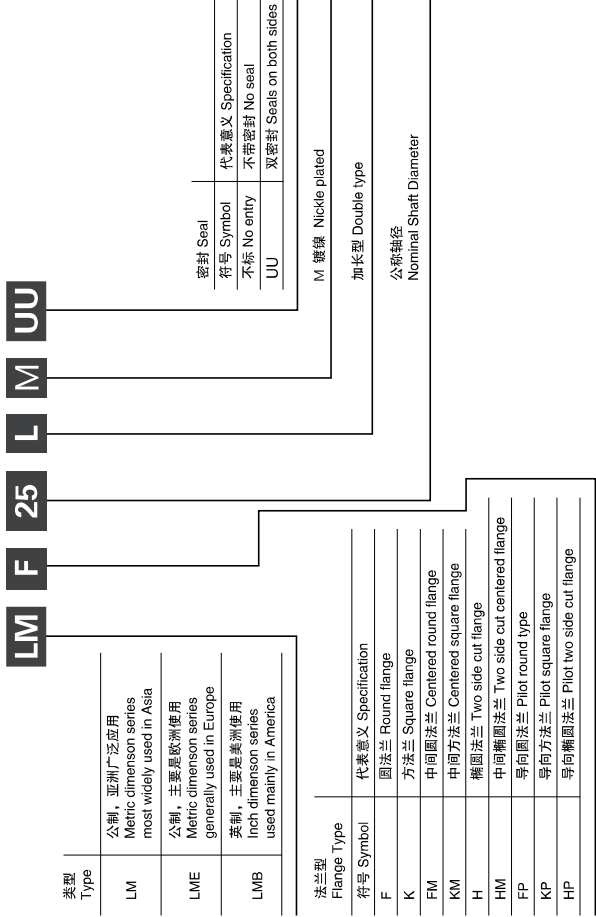
- 不需要单独的轴承座
- 结构紧凑
- 足够的刚性
- 更换时仍能保持高精度

● This design enables various mounting methods other than conventional pillow blocks and press fit ball bushings.

● SNB 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



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 LMK...L LMEK...L LMBK...L LMH...L	Double Double Double
导向法兰型 Pilot Flanged type		LMFP LMKP LMHP	Single Single Single
加长导向法兰型 Double-Wide-Position-Pilot Flanged type		LMFP...L LMKP...L LMHP...L	Double Double Double
加长中间法兰型 Double-Wide-Middle Flanged type		LMFM...L LMEFM...L LMBFM...L LMKM...L LMEKM...L LMBKM...L LMHM...L	Double Double Double Double Double Double
法兰型行程轴承 Flanged Stroke Bearing		STF STK STH	Single Single 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。

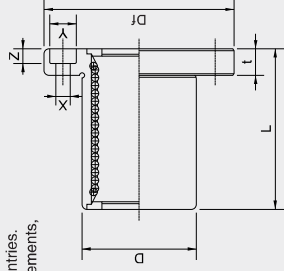
LMF(K)····UU (Resin retainer)
This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickel plated according to customers requirements,
with function of rust-proof.



LMF····UU

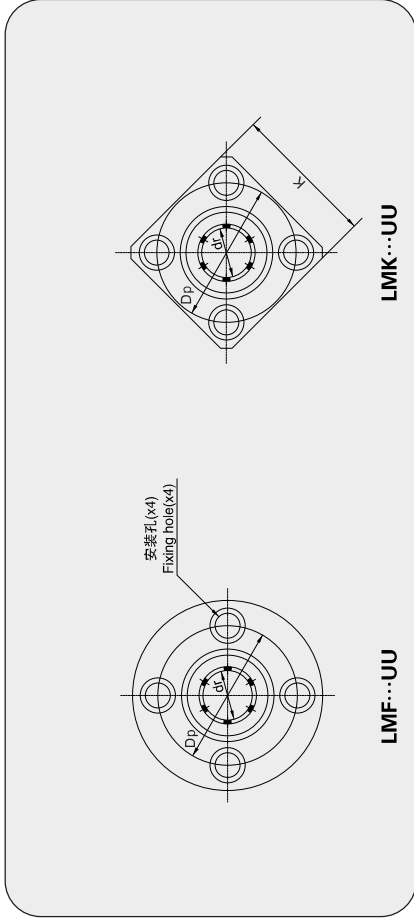


LMK····UU



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	
					公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm
5	LMF5UU	18	LMK5UU	13	5	10	10	15		
6	LMF6UU	24	LMK6UU	18	6	12	12	0	19	±300
8	LMF8UU	32	LMK8UU	24	8	15	15	-11	17	
8	LMF8UU	37	LMK8UU	29	8	15	15		24	
10	LMF10UU	72	LMK10UU	52	10	-9	19		29	
12	LMF12UU	76	LMK12UU	57	12		21	0	30	0
13	LMF13UU	88	LMK13UU	72	13		23	-13	32	-200
16	LMF16UU	120	LMK16UU	104	16		28		37	
20	LMF20UU	180	LMK20UU	145	20		32	0	42	
25	LMF25UU	340	LMK25UU	300	25		40	-16	59	
30	LMF30UU	470	LMK30UU	375	30		45		64	
35	LMF35UU	650	LMK35UU	560	35		52	0	70	0
40	LMF40UU	1,060	LMK40UU	880	40		60	-19	80	-300
50	LMF50UU	2,200	LMK50UU	2,000	50		80		100	
60	LMF60UU	3,000	LMK60UU	2,560	60		90	0	110	
80	LMF80UU	5,800	LMK80UU	5,300	80		120	-22	140	0
100	LMF100UU	10,600	LMK100UU	9,900	100		150	0	175	-400
120	LMF120UU	17,200	LMK120UU	16,400	120		180	-25	200	

密封型 Seal type: LMF20 MUU	不拆 UU	不需密封 UU	不需密封 UU	不需密封 UU
	M	磁碟	M	磁碟



主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating		
法兰 Flange									动态负荷 Dynamic Co N	静态负荷 Static Co N	
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm					
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	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			15	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			20	2,160	4,020
116	92	13	98	9	14	8.1			25	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			30	14,100	34,800
230	200	20	205	14	20	13.1	16,400	40,000			

国际单位：1N=0.102kgf
SIUNIT：1N=0.102kgf

LMF(K)···GA 铝合金保持架

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。

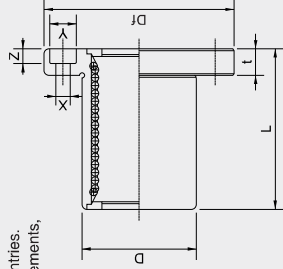
LMF(K)···GA (Zinc alloy retainer)

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

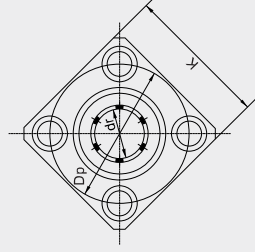
LMK···GA



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				公差 Tolerance μm		公差 Tolerance μm		公差 Tolerance μm	
	圆法兰 LMF···GA	重量 Weight (g)	方法兰 LMK···GA	重量 Weight (g)	dr	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	L
6	LMF6GA	25.3	LMK6GA	19.3	6	12	0	19	0	19	±300	
8	LMF8GA	39.3	LMK8GA	31.3	8	15	-11	24		24		
10	LMF10GA	74.5	LMK10GA	54.5	10	0		29		29		
12	LMF12GA	81.2	LMK12GA	62.2	12	-9		30	0	30	0	
13	LMF13GA	95	LMK13GA	79	13		-13	32		32	-200	
16	LMF16GA	137	LMK16GA	121	16	28		37		37		
20	LMF20GA	205	LMK20GA	170	20	32	0	42	0	42		
25	LMF25GA	402	LMK25GA	382	25	-10		59	-16	59		
30	LMF30GA	546	LMK30GA	451	30	45		64		64	0	
35	LMF35GA	749	LMK35GA	659	35	0	0	70	0	70	-300	
40	LMF40GA	1,205	LMK40GA	1,025	40	-12	-19	80		80		

LMF20 M GA

M 镀锌 M Nickel plated



LMF···GA

LMK···GA

主要尺寸和公差							法兰	Flange			偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating	
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm		动态荷 Dynamic C N	静态荷 Static Co N					
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				12		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		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		2,160	4,020	

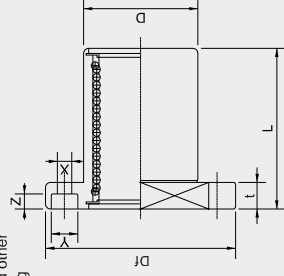
国际单位: 1N=0.102kgf
SUNIT: 1N=0.102kgf

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 nickel plated according to customers' requirements, with function of rust-proof.



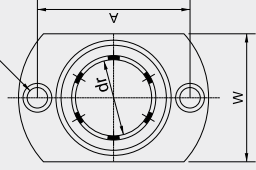
LMH...UU



公称轴径 Nominal shaft diameter mm	树脂法兰 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		10	0	15
6	LMH6UU	21	6		12	-11	19
8	LMH8UU	33	8		15		24
10	LMH10UU	64	10	0	19		29
12	LMH12UU	68	12	-9	21	0	30
13	LMH13UU	81	13		23	-13	32
16	LMH16UU	112	16		28		37
20	LMH20UU	167	20		32	0	42
25	LMH25UU	325	25	0	40	-16	59
30	LMH30UU	388	30	-10	45		64
35	LMH35UU	580	35	0	52	0	70
40	LMH40UU	920	40	-12	60	-19	80

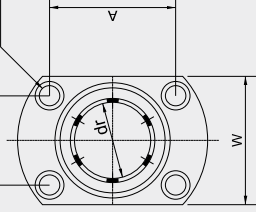
密封型 Seal type: LMH20UU UU	不标	不密封 UU	无 entry UU	No seals
	UU	双密封 UU	Seal on both sides	
	M	镀镍 M	Nickel plated	

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMH13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
LMH16 or More

主要尺寸和公差 Major dimensions and tolerance										偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating	
法兰 Flange												动负荷 Dynamic Co N	静负荷 Static Co N
Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm			12	12	167	206
26	16	5	18	—	3.5	6	3.1						
28	18	5	20	—	3.5	6	3.1						
32	21	5	24	—	3.5	6	3.1						
40	25	6	29	—	4.5	7.5	4.1						
42	27	6	32	—	4.5	7.5	4.1						
43	29	6	33	—	4.5	7.5	4.1						
48	34	6	31	22	4.5	7.5	4.1						
54	38	8	36	24	5.5	9	5.1						
62	46	8	40	32	5.5	9	5.1						
74	51	10	49	35	6.6	11	6.1						
82	60	10	55	38	6.6	11	6.1						
96	70	13	64	45	9	14	8.1						

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

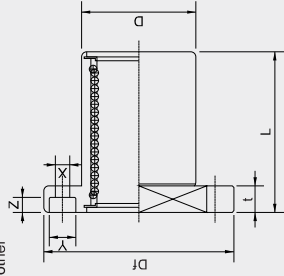
LMH...GA 锌合金保持架
该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMH...GA (Zinc alloy 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.



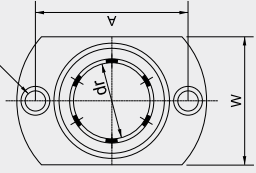
LMH...GA



公称轴径 Nominal diameter mm	保持架法兰 LMH...GA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	公差 Tolerance μ m	mm	公差 Tolerance μ m	mm	公差 Tolerance μ m
6	LMH6GA	22.3	6		12	0	19	
8	LMH8GA	35.3	8		15	-11	24	± 300
10	LMH10GA	65.5	10	0	19		29	
12	LMH12GA	79.2	12	-9	21	0	30	
13	LMH13GA	88	13		23	-13	32	0
16	LMH16GA	129	16		28		37	-200
20	LMH20GA	192	20	0	32	0	42	
25	LMH25GA	387	25	-10	40	-16	59	
30	LMH30GA	464	30		45		64	0
35	LMH35GA	679	35	0	52	0	70	-300
40	LMH40GA	1,065	40	-12	60	-19	80	

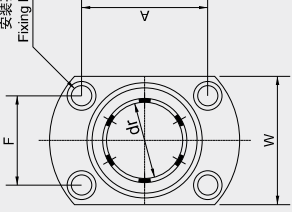
LMH20/M/GA M 镀镍 M Nickel plated

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMH13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
LMH16 or More

主要尺寸和公差 Major dimensions and tolerance								法兰 Flange		偏心 Eccentricity μ m		垂直度 Squarness μ m		额定负荷 Basic load rating 动态负荷 Dynamic C _N 静态负荷 Static C ₀ 16 N	
Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm								
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	6	4.1							372	549
42	27	6	32	—	4.5	7.5	4.1			12				510	784
43	29	6	33	—	4.5	7.5	4.1			12				510	784
48	34	6	31	22	4.5	7.5	4.1			12				774	1,180
54	38	8	36	24	5.5	7.5	5.1			12				882	1,370
62	46	8	40	32	5.5	9	5.1			15				980	1,570
74	51	10	49	35	6.6	9	6.1			15				1,570	2,740
82	60	10	55	38	6.6	11	6.1			20				1,670	3,140
96	70	13	64	45	9	14	8.1			20				2,160	4,020

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)

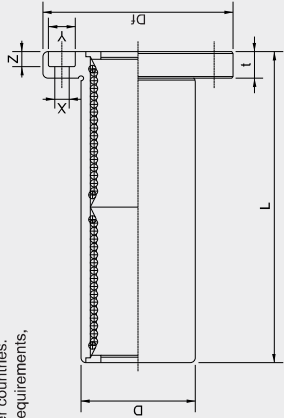
This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickel plated according to customers requirements,
with function of rust-proof.



LMF···LUU



LMK···LUU



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
5	LMF5LUU	24	LMK5LUU	19	5	10		28		
6	LMF6LUU	31	LMK6LUU	25	6	12	0	35	± 300	
8	LMF8LUU	51	LMK8LUU	43	8	15	-13	45		
10	LMF10LUU	98	LMK10LUU	78	10	19	0	55		
12	LMF12LUU	110	LMK12LUU	90	12	21	-10	57		
13	LMF13LUU	130	LMK13LUU	108	13	23	0	61	0	
16	LMF16LUU	190	LMK16LUU	165	16	28	-16	70	-300	
20	LMF20LUU	260	LMK20LUU	225	20	32	0	80		
25	LMF25LUU	540	LMK25LUU	500	25	40	-12	112		
30	LMF30LUU	680	LMK30LUU	590	30	45	-19	123		
35	LMF35LUU	1,020	LMK35LUU	930	35	52	0	135	0	
40	LMF40LUU	1,570	LMK40LUU	1,380	40	60	-15	151	-400	
50	LMF50LUU	3,600	LMK50LUU	3,400	50	80	-22	192		
60	LMF60LUU	4,500	LMK60LUU	4,060	60	90	0	209		
80	LMF80LUU	9,090	LMK80LUU	8,590	80	120	-20	265		

密封型 Seal type:

LMF20 L U U

不标 不密封

UU 双密封

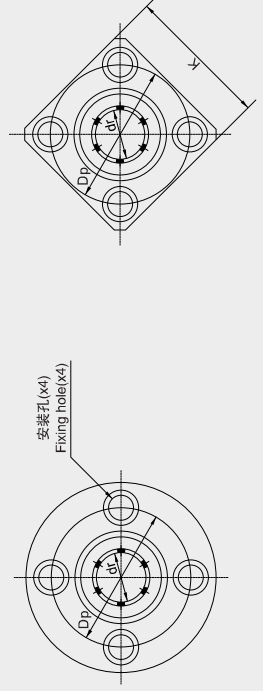
无 entry

UU Seal on both sides

无 seals

M 镀镍

M Nickel plated



LMF···LUU

LMK···LUU

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

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMF(K)···LGA 铝合金保持架

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LMF(K)···LGA (Zinc alloy retainer)

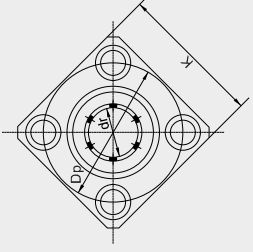
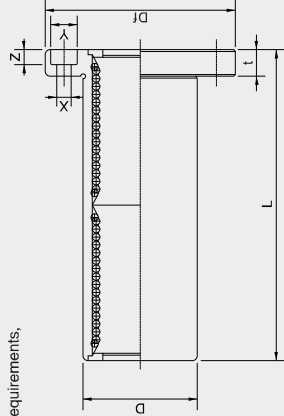
This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickel plated according to customers requirements,
with function of rust-proof.



LMF···LGA



LMK···LGA



LMF···LGA

LMK···LGA

公称轴径 Nominal Shaft diameter mm	加长型法兰 LMF···LGA	重量 Weight (g)	加长型法兰 LMK···LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				L	
					d	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMF6LGA	33.6	LMK6LGA	27.6	6	0	12	0	35	±300
8	LMF8LGA	55.6	LMK8LGA	47.6	8	0	15	-13	45	±300
10	LMF10LGA	103	LMK10LGA	83	10	0	19		55	
12	LMF12LGA	120.4	LMK12LGA	100.4	12	-10	21	0	57	
13	LMF13LGA	144	LMK13LGA	122	13		23	-16	61	0
16	LMF16LGA	224	LMK16LGA	199	16		28		70	-300
20	LMF20LGA	310	LMK20LGA	275	20	0	32	0	80	
25	LMF25LGA	664	LMK25LGA	624	25	-12	40	-19	112	
30	LMF30LGA	832	LMK30LGA	742	30		45		123	0
35	LMF35LGA	1,218	LMK35LGA	1,128	35	0	52	0	135	-400
40	LMF40LGA	1,860	LMK40LGA	1,670	40	-15	60	-22	151	

LMF20 L M GA

M

M

镀锌

M

Nickel plated

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating	
法兰 Flange									动态负荷 Dynamic Co N	静态负荷 Static Co N
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm	15	15	323	529
28	22	5	20	3.5	6	3.1				
32	25	5	24	3.5	6	3.1	15	15	431	784
40	30	6	29	4.5	7.5	4.1				
42	32	6	32	4.5	7.5	4.1	15	15	588	1,100
43	34	6	33	4.5	7.5	4.1				
48	37	6	38	4.5	7.5	4.1	20	20	813	1,570
54	42	8	43	5.5	9	5.1				
62	50	8	51	5.5	9	5.1	25	25	1,400	2,740
74	58	10	60	6.6	11	6.1				
82	64	10	67	6.6	11	6.1	25	25	1,560	3,140
96	75	13	78	9	14	8.1				

国际单位：1N=0.102kgf
SIUNIT：1N=0.102kgf

LMH...LUU 尼龙保持架

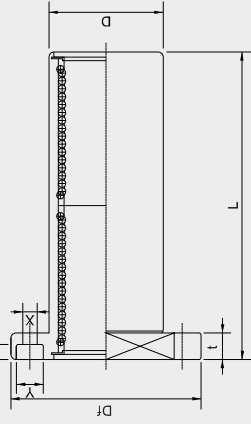
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LMH...LUU (Resin retainer)

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.



LMH...LUU



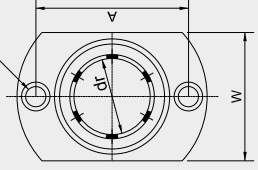
公称轴径 Nominal shaft diameter mm	加长树脂法兰 LMH...LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				
			dr		D		L
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm 公差 Tolerance μm
5	LMH5LUU	21	5		10	0	28
6	LMH6LUU	28	6		12	-13	35
8	LMH8LUU	47	8	0	15		45
10	LMH10LUU	90	10	-10	19	0	55
12	LMH12LUU	102	12	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

密封型 Seal type:

LMH20 L UU

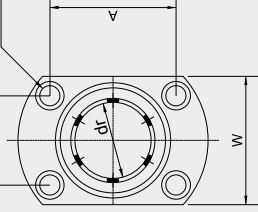
不标 UU	不密封 UU	无密封 UU	无密封 UU
M	密封 M	M	Nickel plated

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMH13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
LMH16 or More

主要尺寸和公差 Major dimensions and tolerance								法兰 Flange	偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating	
Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm				动负荷 Dynamic Co N	静负荷 Static Co N
26	16	5	18	—	3.5	6	3.1			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	15		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	20		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			2,650	6,270	
96	70	13	64	45	9	14	8.1	25		3,430	8,040	

国际单位: 1N=0.102kgf

SUNIT: 1N=0.102kgf

LMH...LGA 铝合金保持架

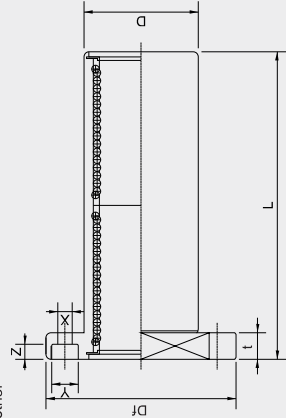
该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMH...LGA (Zinc alloy 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

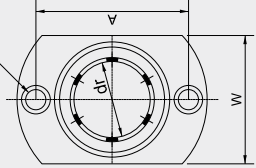


公称轴径 Nominal diameter mm	加长槽型法兰 LMH...LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				
			dr		D		L
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm 公差 Tolerance μm
6	LMH6LGA	30.6	6		12	0	35
8	LMH8LGA	51.6	8		15	-13	45
10	LMH10LGA	95	10	0	19		55
12	LMH12LGA	112.4	12	-10	21	0	57
13	LMH13LGA	137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

LMH20 L M GA M 镀锌 M 镀镍

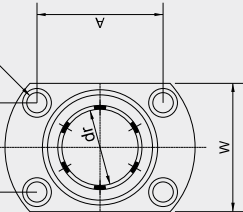
国际单位：1N=0.102kgf
SIUNIT：1N=0.102kgf

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMH13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
LMH16 or More

主要尺寸和公差								Major dimensions and tolerance				垂直度 Squarness μm	额定负荷	
法兰 Flange								X mm	Y mm	Z mm	Dynamic Co N		Static Co N	
Df mm	W mm	t mm	A mm	F mm								15		15
28	18	5	20	-	3.5 6 3.1									
32	21	5	24	-	3.5 6 3.1									
40	25	6	29	-	4.5 7.5 4.1									
42	27	6	32	-	4.5 7.5 4.1									
43	29	6	33	-	4.5 7.5 4.1									
48	34	6	31	22	4.5 7.5 4.1									
54	38	8	36	24	5.5 9 5.1									
62	46	8	40	32	5.5 9 5.1									
74	51	10	49	35	6.6 11 6.1									
82	60	10	55	38	6.6 11 6.1									
96	70	13	64	45	9 14 8.1									

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)

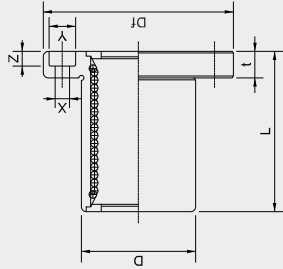
This type is a metric dimension series generally used in Europe.
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMEF···UU



LMEK···UU



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 mm	公差 Tolerance μm		D mm	
						mm	μm	mm	μm
5	LMEF5UU	26	LMEK5UU	20	5	+8	0	12	0
8	LMEF8UU	41	LMEK8UU	33	8	0	-8	16	-8
12	LMEF12UU	80	LMEK12UU	64	12	0	0	22	0
16	LMEF16UU	103	LMEK16UU	90	16	+9	-9	26	-9
20	LMEF20UU	182	LMEK20UU	147	20	-1	0	32	0
25	LMEF25UU	335	LMEK25UU	295	25	+11	-11	40	-11
30	LMEF30UU	560	LMEK30UU	465	30	-1	0	47	0
40	LMEF40UU	1,175	LMEK40UU	975	40	+13	0	62	0
50	LMEF50UU	1,745	LMEK50UU	1,545	50	-2	-13	75	-13
60	LMEF60UU	3,220	LMEK60UU	2,780	60	+16	0	90	0
80	LMEF80UU	6,420	LMEK80UU	5,920	80	+16	-15	120	-15

密封型 Seal type:

LMEF20 M UU

不标 不需密封

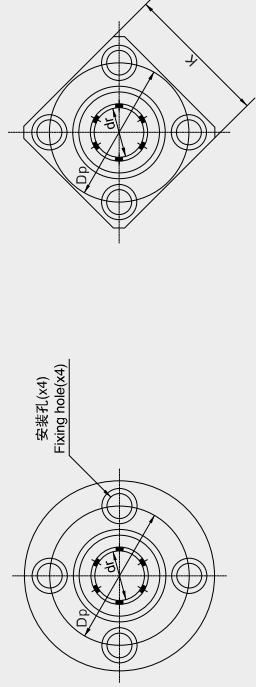
UU 双密封

无 entry

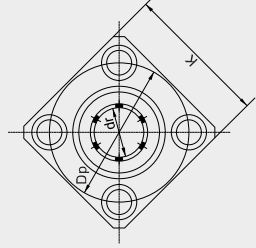
UU Seal on both sides

M 镀锌

Nickle plated



LMEF···UU



LMEK···UU

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating		
法兰 Flange									动态 Dynamic Co N	静态 Static Co N	动负荷 Dynamic Co N
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm					
28	22	5	20	3.5	6	3.1				206	265
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				2,160	4,020
112	88	13	94	9	14	8.1	17	17		3,820	7,940
134	106	18	112	11	17	11.1	20	20		4,700	9,800
164	136	18	142	11	17	11.1	25	25		7,350	16,000

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMEF(K)···GA 铝合金保持架
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。

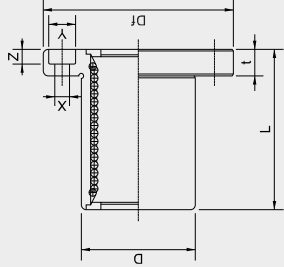
LMEF(K)···GA (Zinc alloy retainer)
This type is a metric dimension series generally used in Europe.
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMEF···GA

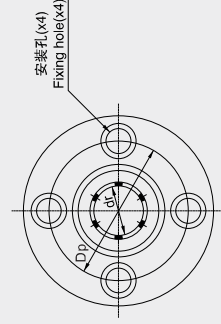


LMEK···GA

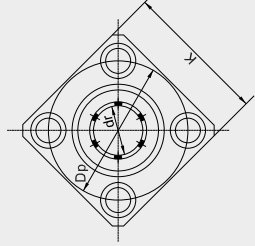


公称轴径 Nominal shaft diameter mm	圆法兰 LMEF···GA	重量 Weight (g)	方法兰 LMEK···UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
8	LMEF8GA	46.2	LMEK8GA	38.2	8	+8	16	$^0_{-8}$	25	± 300
12	LMEF12GA	91.9	LMEK12GA	75.9	12	0	22	0	32	0
16	LMEF16GA	119.5	LMEK16GA	106.5	16	+9	26	-9	36	-200
20	LMEF20GA	211.3	LMEK20GA	176.3	20	-1	32	0	45	0
25	LMEF25GA	393.9	LMEK25GA	351.9	25	+11	40	-11	58	0
30	LMEF30GA	652.3	LMEK30GA	557.3	30	-1	47	-13	68	-300
40	LMEF40GA	1,364	LMEK40GA	1,164	40	$^{+3}_{-2}$	62	$^0_{-13}$	80	-300

LMEF20 M GA M 镀镍 M Nickel plated



LMEF···GA



LMEK···GA

主要尺寸和公差 Major dimensions and tolerance							偏心 Eccentricity μm		垂直度 Squarness μm	额定负荷 Basic load rating	
法兰 Flange							12	15	17	265 510 578 862 980 1,570 2,160	402 784 892 1,370 1,570 2,740 4,020
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm					
32	25	5	24	3.5	6	3.1					
42	32	6	32	4.5	7.5	4.1					
46	35	6	36	4.5	7.5	4.1					
54	42	8	43	5.5	9	5.1					
62	50	8	51	5.5	9	5.1					
76	60	10	62	6.6	11	6.1					
98	75	13	80	9	14	8.1	17	17	2,160	4,020	

国际单位：1N=0.102kgf
SIUNIT：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。

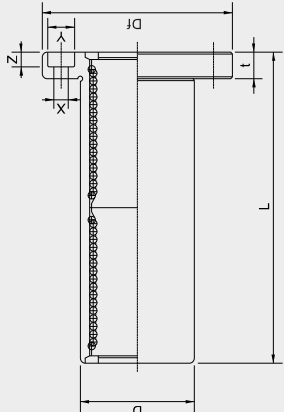
LMEF(K)···LUU (Resin retainer)
This type is a metric dimension series generally used in Europe.
All models can be done with nickel plated according
to customers' requirements, with function of rust-proof.



LMEF···LUU



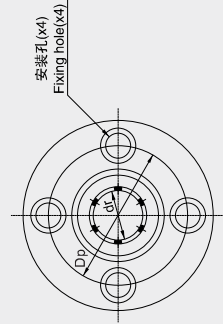
LMEK···LUU



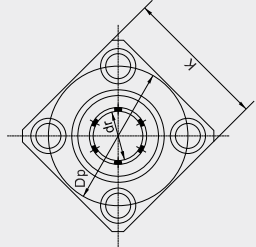
公称轴径 Nominal shaft diameter mm	加长型法兰 LMEF···LUU	重量 Weight (g)	加长型法兰 LMEK···LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				
					dr mm	公差 Tolerance μm	D		
							mm	公差 Tolerance μm	L mm
8	LMEF8LUU	59	LMEK8LUU	51	8	+9	16	0 -9	46
12	LMEF12LUU	110	LMEK12LUU	90	12	-1	22	0	61
16	LMEF16LUU	160	LMEK16LUU	135	16	+11	26	-11	68
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
50	LMEF50LUU	2,820	LMEK50LUU	2,620	50	-4	75	-15	192
60	LMEF60LUU	4,920	LMEK60LUU	4,480	60		90	0	209
80	LMEF80LUU	9,090	LMEK80LUU	8,590	80	+19 -9	120	-20	285

密封型 Seal type:
LMEF20 L Y UU

不锈	不需密封	无 entry	No seals
UU	双密封	UU	Seal on both sides
M	镍镀	M	Nickel plated



LMEF···LUU



LMEK···LUU

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	
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm			动态负荷 Dynamic Co N	静态负荷 Static Co N
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			3,430	8,040
112	88	13	94	9	14	8.1	20	20	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 锌合金保持架

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 (Zinc alloy retainer)

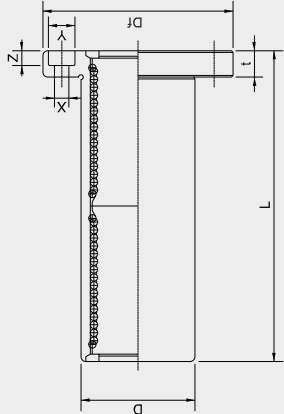
This type is a metric dimension series generally used in Europe.
All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMEF···LGA



LMEK···LGA



公称轴径 Nominal shaft diameter mm	加长型法兰 LMEF···LGA	重量 Weight (g)	加长型法兰 LMEK···LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				
					dr mm	公差 Tolerance μm		D mm	
						公差 Tolerance μm	mm	公差 Tolerance μm	mm
8	LMEF8LGA	69.4	LMEK8LGA	61.4	8	+9	16	0 -9	46
12	LMEF12LGA	133.8	LMEK12LGA	113.8	12	-1	22	0	61
16	LMEF16LGA	193	LMEK16LGA	168	16	+11	26	-11	68
20	LMEF20LGA	318.6	LMEK20LGA	283.6	20	-1	32	0	80
25	LMEF25LGA	653.8	LMEK25LGA	613.8	25	+13	40	-13	112
30	LMEF30LGA	999.6	LMEK30LGA	904.6	30	-2	47	0 -15	123
40	LMEF40LGA	2183.2	LMEK40LGA	1978.2	40	+16 -4	62	0 -15	151

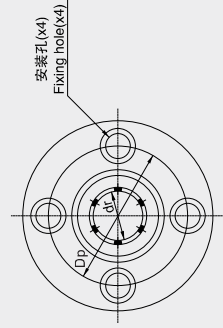
LMEF20 L M GA

M

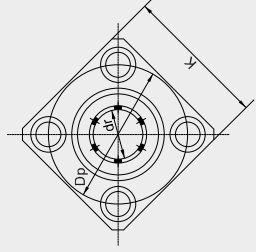
镀锌

M

Nickel plated



LMEF···LGA



LMEK···LGA

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									动态 Dynamic Co N	静态 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	15	15	421	804
42	32	6	32	4.5	7.5	4.1			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	17	17	1,370	2,740
62	50	8	51	5.5	9	5.1			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

国际单位：1N=0.102kgf
SIUNIT：1N=0.102kgf

LMBF(K)···UU 尼龙保持架
该类型轴承采用压制尺寸，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)

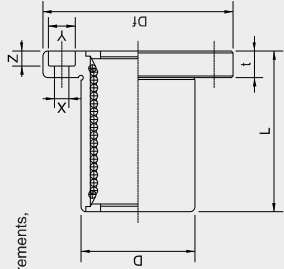
This type is a metric dimension series mainly used in the America.
All models can be done with nickel plated according to customers requirements,
with function of rust-proof.



LMBF···UU



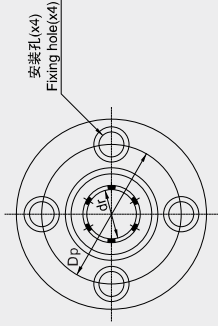
LMBK···UU



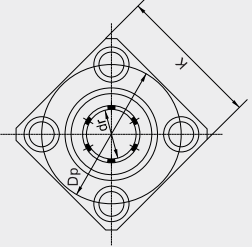
公称轴径 Nominal shaft diameter inch/mm	图 (方) 法兰 LMBF(K)···UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			Inch/mm	公差 Tolerance Inch/μm	Inch/mm	公差 Tolerance Inch/μm	Inch/mm	公差 Tolerance Inch/μm
1/4	LMBF4UU	32	2500 6.350	5000 12.700	7500 19.050	$0_{-0.0005}^{0.0005}$	7500 19.050	±.012 ±.300
6.350	LMBK4UU	25						
3/8	LMBF6UU	47	.3750 9.525	.6250 15.875	.8750 22.225	0	.8750 22.225	0
9.525	LMBK6UU	32						
1/2	LMBF8UU	88	.5000 12.700	.8750 22.225	1.2500 31.750	-0.00050 0	1.2500 31.750	0
12.700	LMBK8UU	68		-9		0		0
5/8	LMBF10UU	140	.6250 15.875	1.1250 28.575	1.500 38.100	-13 0	1.500 38.100	0
15.875	LMBK10UU	124						-0.008 0
3/4	LMBF12UU	190	.7500 19.050	1.2500 31.750	1.6250 41.275	0 -0.00065	1.6250 41.275	-0.200
19.050	LMBK12UU	150		-0.0040		0		
1	LMBF16UU	325	1.0000 25.400	1.5625 39.688	2.2500 57.150	0 -16	2.2500 57.150	
25.400	LMBK16UU	280		-10				
1-1/4	LMBF20UU	665	1.2500 31.750	2.0000 50.800	2.6250 66.675	0 -0.00075	2.6250 66.675	0
31.750	LMBK20UU	580				0		-0.012
1-1/2	LMBF24UU	1,100	1.5000 38.100	2.3750 60.325	3.0000 76.200	-0.00050 -19	3.0000 76.200	0
38.100	LMBK24UU	930				0		-300
2	LMBF32UU	1,750	2.0000 50.800	3.0000 76.200	4.0000 101.600	-12 0	4.0000 101.600	
50.800	LMBK32UU	1,580						
2-1/2	LMBF40UU	3,570	2.5000 63.500	3.7500 95.250	5.0000 127.000	0 -0.00090	5.0000 127.000	0
63.500	LMBK40UU	3,200				0		
3	LMBF48UU	5,600	3.0000 76.200	4.5000 114.300	6.0000 152.400	-15 -22	6.0000 152.400	0
76.200	LMBK48UU	5,000						-0.016
4	LMBF64UU	12,000	4.0000 101.600	6.0000 152.400	8.0000 203.200	$0_{-0.0010}^{0.0010}$	8.0000 203.200	0
101.600	LMBK64UU	11,300				$0_{-0.0010}^{0.0010}$		-0.400

密封型 Seal type:

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



LMBF···UU



LMBK···UU

主要尺寸和公差 Major dimensions and tolerance										偏心 Eccentricity Inch/μm	垂直度 Squarness Inch/μm	额定负荷 Basic load rating	
法兰 Flange						X Inch/mm	Y Inch/mm	Z Inch/mm	动负荷 Dynamic C N			静负荷 Static Co N	
Df Inch/mm	K Inch/mm	t Inch/mm	Dp Inch/mm										
1.2500	1.0000	0.219	.8750	.1560	.2500	.1410			206	265			
31.750	25.400	5.566	22.225	3.969	6.350	3.572							
1.5000	1.2500	.2500	1.0620	.1875	.2970	.1720			225	314			
38.100	31.750	6.350	26.988	4.763	7.541	4.366		.0005 12					
1.7500	1.3750	.2500	1.312	.1875	.2970	.1720		.0005 12	510	784			
44.450	34.925	6.350	33.338	4.763	7.541	4.366							
2.0000	1.5000	.2500	1.5620	.1875	.2970	.1720			774	1,180			
50.800	38.100	6.350	39.688	4.763	7.541	4.366							
2.1875	1.6875	.3125	1.7180	.2187	.3440	.2030			862	1,370			
55.563	42.863	7.938	43.660	5.556	8.731	5.159		.0006 15	980	1,570			
63.500	50.800	7.938	51.394	5.356	8.731	5.139							
3.1250	2.5000	.3750	2.5625	.2812	.4060	.2656			1,570	2,740			
79.375	63.500	9.525	65.088	7.144	10.319	6.747		.0008 20	2,180	4,020			
3.7500	3.0000	.5000	3.0625	.3440	.5000	.3280							
95.250	76.200	12.700	77.788	8.731	12.700	8.334			3,820	7,940			
4.7500	3.5000	.5000	3.6875	.3440	.5000	.3280							
111.125	88.900	12.700	93.662	8.731	12.700	8.334							
5.3750	4.375	.7500	4.5625	.4062	.6250	.3750		.0010 25	4,700	10,000			
136.325	111.125	19.050	115.887	10.319	15.875	9.525			7,350	16,000			
6.1250	5.0000	.7500	5.3125	.4062	.6250	.3750							
155.575	127.000	19.050	134.937	10.319	15.875	9.525							
8.0000	6.7500	.8750	7.0000	.5000	.7125	.5000		.0012 30	14,100	34,800			
203.200	171.450	22.225	177.800	12.700	18.097	12.700							

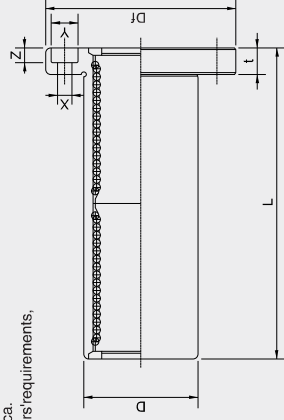
国际单位: 1N=0.225lbf
1kg=2.205lbf
SIUNIT: 1N=0.225lbf
1kg=2.205lbf



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 nickle plated according to customers' requirements, with function of rust-proof.



LMBF...LUU

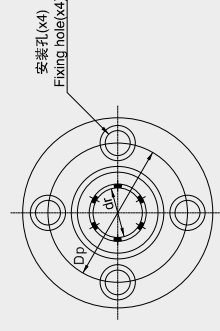
LMBK...LUU

公称外径 Nominal shaft diameter inch/mm	加长圆 (方) 法兰 LMBF10~L34U	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			公差 Tolerance Inch/mm	公差 Tolerance Inch/μm	公差 Tolerance Inch/mm	公差 Tolerance Inch/μm	公差 Tolerance Inch/mm	公差 Tolerance Inch/μm
1/4	LMBF4LUU LMBK4LUU	40 33	2500 6.350	5000 12.700	1.3750 34.925	0 0.0000 -0.5	1.3750 34.925	0 0 0
3/8	LMBF6LUU LMBK6LUU	45 40	3750 9.525	6950 15.875	1.5938 40.481	0 -0.0065 -16	1.5938 40.481	0 0 0
1/2	LMBF8LUU LMBK8LUU	126 106	5000 12.700	8750 22.225	2.3750 60.325	0 -0.0065 -16	2.3750 60.325	0 0 0
5/8	LMBF10LUU LMBK10LUU	215 200	6250 15.875	11250 28.575	2.8125 71.438	0 -0.0075 -19	2.8125 71.438	0 0 0
3/4	LMBF12LUU LMBK12LUU	280 240	7500 19.050	15000 38.100	3.1750 80.913	0 -0.0075 -19	3.1750 80.913	0 0 0
1	LMBF16LUU LMBK16LUU	515 470	10000 25.400	15625 39.688	4.2831 108.744	0 -0.0075 -19	4.2831 108.744	0 0 0
25-400	LMBF20LUU LMBK20LUU	1020 935	12500 31.750	20000 50.800	5.0000 127.000	0 -0.0090 -22	5.0000 127.000	0 0 0
1-1/4	LMBF24LUU LMBK24LUU	1630 1460	15000 38.100	23750 60.325	5.6875 144.463	0 -0.016 -400	5.6875 144.463	0 0 0
2	LMBF32LUU LMBK32LUU	2800 2620	20000 50.800	30000 76.200	7.5000 191.850	0 -0.020 -400	7.5000 191.850	0 0 0

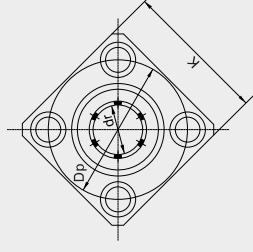
密封型 Seal type:

不粘	不带密封	无 entry	无 seals
UU	双密封	UU	Seal on both sides
M	密封	M	Nickle plated

国际单位: $1\text{N} \approx 0.225\text{lbs}$
 $1\text{kg} \approx 2.205\text{lbs}$
 SIUNIT: $1\text{N} \approx 0.225\text{lbs}$
 $1\text{kg} \approx 2.205\text{lbs}$



LMBF...LUU



LMBK...LUU

主要尺寸和公差										法兰 Flange		基本载荷 rating		静态载荷 Static Ce N		动态载荷 Dynamic C N		垂直度 Squareness Inch/μm		偏心 Eccentricity Inch/μm	
Df Inch/mm	K Inch/mm	t Inch/mm	Dp Inch/mm	X Inch/mm	Y Inch/mm	Z Inch/mm															
1.2500	1.0000	0.2188	.8750	1.563	2500	1406															
31.750	25.400	5.556	22.225	3.969	6.350	3.572															
1.5000	1.2500	.2500	.10625	1.875	2969	1719															
38.100	31.750	6.350	26.988	4.763	7.541	4.366															
1.7500	1.3750	.2500	1.1325	1.875	2969	1719															
44.450	34.925	6.350	33.338	4.763	7.541	4.366															
2.0000	1.5000	.2500	1.5625	1.875	2969	1719															
50.800	38.100	6.350	39.688	4.763	7.541	4.366															
2.1875	1.6875	.3125	1.7188	2.188	3438	2031															
55.563	42.863	7.938	43.656	5.556	8.731	5.159															
2.5000	2.0000	.3125	2.0313	2.188	3438	2031															
63.500	50.800	7.938	51.594	5.556	8.731	5.159															
3.1250	2.5000	.3750	2.5625	2.813	4063	2656															
79.375	63.500	9.525	65.088	7.144	10.319	6.747															
3.7500	3.0000	.5000	3.0625	3.437	5000	3281															
95.250	76.200	12.700	77.788	8.731	12.700	8.334															
4.3750	3.5000	.5000	3.6875	3.437	5000	3281															
111.125	88.900	12.700	93.662	8.731	12.700	8.334															

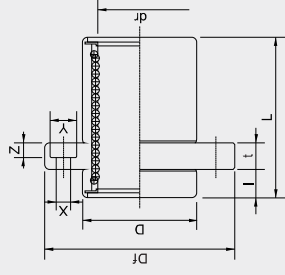
LMF(K)P...UU 尼龙保持架
该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

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 nickel plated according to customers' requirements, with function of rust-proof.



LMFP...UU

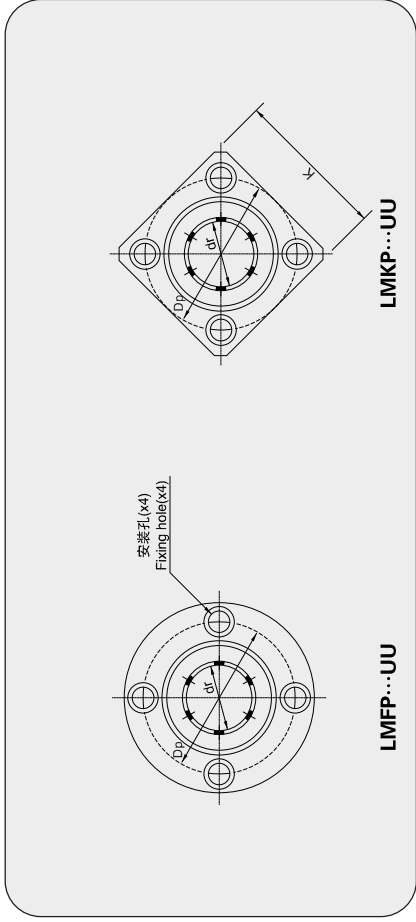
LMKP...UU



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

密封型 Seal type:
LMF(K)P20xL UU

不标 UU	不带密封 UU	无密封 No entry UU	带密封 Seal on both sides UU
M	M	M	M



LMFP...UU

LMKP...UU

主要尺寸和公差 Major dimensions and tolerance										偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating	
法兰 Flange												动态 Dynamic C _N	静态 Static C ₀ N
L 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				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				372	549	
6	42	32	6	32	4.5	7.5	4.1	12			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				882	1,370	
8	62	50	8	51	5.5	9	5.1	15			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			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				4,700	10,000	
18	164	136	18	142	11	17	11.1	25			7,350	16,000	

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMF(K)P...GA 锌合金保持架
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。

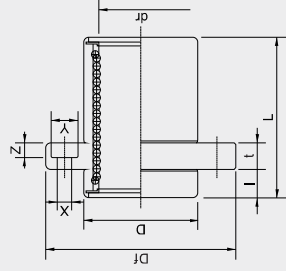
LMF(K)P...GA (Zinc alloy retainer)
This type is a metric dimension series widely used in Asia and other countries. All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMFP...GA



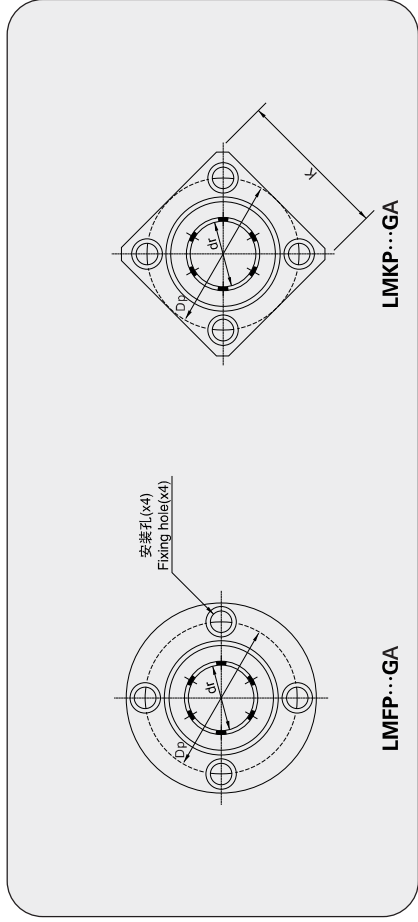
LMKP...GA



公称轴径 Nominal shaft diameter mm	导向法兰 LMFP...GA	重量 Weight (g)	导向法兰 LMKP...GA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				
					dr	D			
						公差 Tolerance μm	mm	公差 Tolerance μm	mm
6	LMFP6GA	25.3	LMKP6GA	19.3	6	12	19	0	19
8	LMFP8GA	39.3	LMKP8GA	31.3	8	15	24	-13	29
10	LMFP10GA	74.5	LMKP10GA	54.5	10	0	29		
12	LMFP12GA	81.2	LMKP12GA	62.2	12	-9	30	0	30
13	LMFP13GA	95	LMKP13GA	79	13		32	-16	
16	LMFP16GA	137	LMKP16GA	121	16		37		
20	LMFP20GA	205	LMKP20GA	170	20	0	42	0	42
25	LMFP25GA	402	LMKP25GA	362	25	-10	59	-19	59
30	LMFP30GA	546	LMKP30GA	451	30		64		64
35	LMFP35GA	789	LMKP35GA	659	35	0	70	0	70
40	LMFP40GA	1,205	LMKP40GA	1,025	40	-12	80	-22	80

LMF(K)P20 M GA

M 镀镍 M Nickel plated



主要尺寸和公差 Major dimensions and tolerance										偏心度 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating	
法兰 Flange												动态 Dynamic C N	静态 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				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		372	549	
6	42	32	6	32	4.5	7.5	4.1		12		510	764	
6	43	34	6	33	4.5	7.5	4.1				510	764	
6	48	37	6	38	4.5	7.5	4.1				774	1,160	
8	54	42	8	43	5.5	9	5.1				882	1,370	
8	62	50	8	51	5.5	9	5.1	15	15		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		2,160	4,020	

国际单位: 1N=0.102kgf
SUNIT: 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)

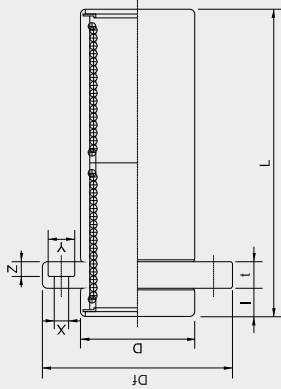
This type is a metric dimension series widely used in Asia and other countries. All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



LMFP...LUU



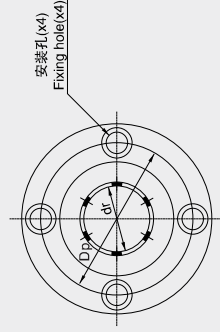
LMKP...LUU



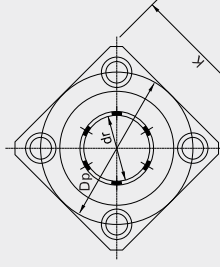
公称轴径 Nominal shaft diameter mm	加长导向筒法兰 LMFP...LUU	重量 Weight (g)	加长导向法兰 LMKP...LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance			
					df		D	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMFP6LUU	31	LMKP6LUU	25	6		12	0
8	LMFP8LUU	51	LMKP8LUU	43	8		15	-13
10	LMFP10LUU	98	LMKP10LUU	78	10	0	19	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

密封型 Seal type:

LMF(K)P20...LUU	无密封 No seals		有密封 Seal on both sides	
	无密封 No entry	有密封 Seal on both sides	无密封 No entry	有密封 Seal on both sides
	UU	UU	UU	UU
	M	M	M	M



LMFP...LUU



LMKP...LUU

主要尺寸和公差 Major dimensions and tolerance									
法兰 Flange									
L mm	Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm	偏心 Eccentricity μm	垂直度 Squarness μm
5	28	22	5	20	3.5	6	3.1		
5	32	25	5	24	3.5	6	3.1		
6	40	30	6	29	4.5	7.5	4.1		
6	42	32	6	32	4.5	7.5	4.1	15	15
6	43	34	6	33	4.5	7.5	4.1		
6	48	37	6	38	4.5	7.5	4.1		
8	54	42	8	43	5.5	9	5.1		
8	62	50	8	51	5.5	9	5.1	20	20
10	74	58	10	60	6.6	11	6.1		
10	82	64	10	67	6.6	11	6.1		
13	96	75	13	78	9	14	8.1	25	25
13	116	92	13	98	9	14	8.1		
18	134	106	18	112	11	17	11.1	30	30
18	164	136	18	142	11	17	11.1		

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMF(K)P...LGA 铝合金保持架

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。

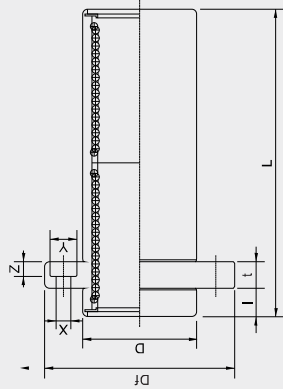
LMF(K)P...LGA (Zinc alloy retainer)

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

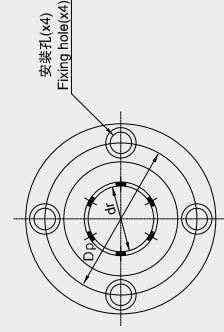
LMKP...LGA



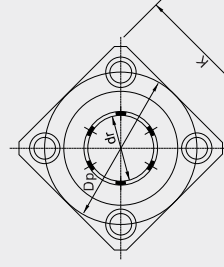
公称轴径 Nominal shaft diameter mm	加长导向圆法兰 LMFP...LGA	重量 Weight (g)	加长导向方法兰 LMKP...LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance			
					dr		D	
					公差 Tolerance μm	mm	公差 Tolerance μm	mm
6	LMFP6LGA	33.6	LMKP6LGA	27.6	6	12	0	35
8	LMFP8LGA	55.6	LMKP8LGA	47.6	8	15	-13	45
10	LMFP10LGA	103	LMKP10LGA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

LMF(K)P20 LGA

M 镀镍 M Nickel plated



LMFP...LGA



LMKP...LGA

主要尺寸和公差 Major dimensions and tolerance									
法兰 Flange									
L	Df	K	t	Dp	X	Y	Z	偏心 Eccentricity μm	垂直度 Squarness μm
mm	mm	mm	mm	mm	mm	mm	mm		
5	28	22	5	20	3.5	6	3.1	15	15
5	32	25	5	24	3.5	6	3.1		
6	40	30	6	29	4.5	7.5	4.1		
6	42	32	6	32	4.5	7.5	4.1		
6	43	34	6	33	4.5	7.5	4.1	20	20
6	48	37	6	38	4.5	7.5	4.1		
8	54	42	8	43	5.5	9	5.1		
8	62	50	8	51	5.5	9	5.1		
10	74	58	10	60	6.6	11	6.1	25	25
10	82	64	10	67	6.6	11	6.1		
13	96	75	13	78	9	14	8.1		

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMHP...UU 尼龙保持架

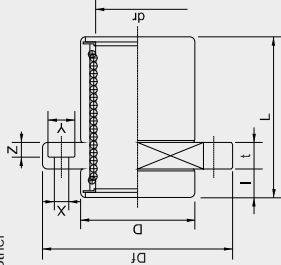
该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

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

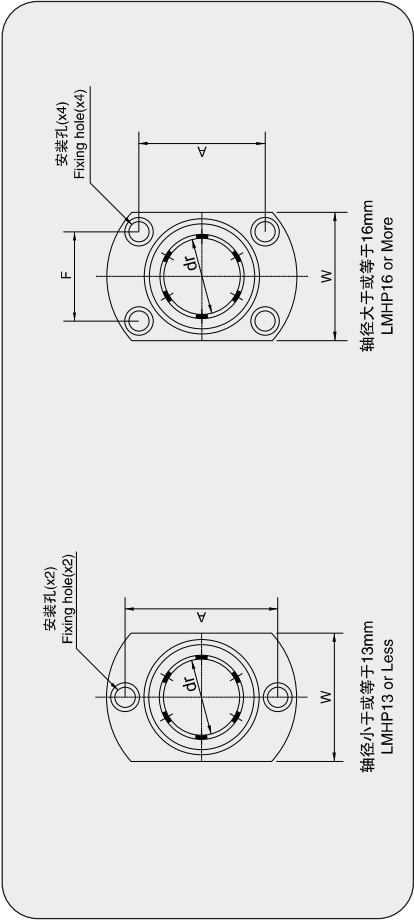


公称轴径 Nominal shaft diameter mm	导向隔圈法兰 LMHP...UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				
			dr		D		L
			mm	公差 Tolerance μ m	mm	公差 Tolerance μ m	mm 公差 Tolerance μ m
6	LMHP6UU	21	6		12	0	19
8	LMHP8UU	33	8		15	-13	24
10	LMHP10UU	64	10	0	19		29
12	LMHP12UU	68	12	-9	21	0	30
13	LMHP13UU	81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

密封型 Seal type:

LMHP20 M UU

不拆 UU	不需密封 UU	无密封 UU	无密封 UU
M	M	M	M



主要尺寸和公差 Major dimensions and tolerance									法兰 Flange		主要尺寸和公差 Major dimensions and tolerance	
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm	偏心 Eccentricity μm	垂直度 Squarness μm	基本负载 rating Basic load rating	
											动态 Dynamic C.N	静态 Static Co.N
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	15	15	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	20	20	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			2,160	4,020

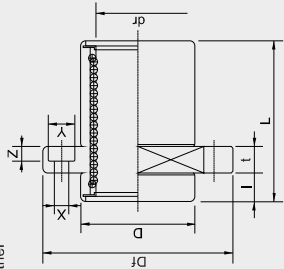
国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMHP...GA 铝合金保持架
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 (Zinc alloy 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

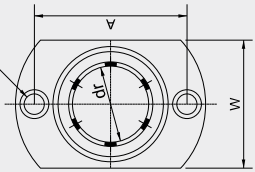


公称轴径 Nominal shaft diameter mm	导向端法兰 LMHP...UU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	公差 Tolerance μ m	mm	公差 Tolerance μ m	mm	公差 Tolerance μ m
6	LMHP6UU	22.3	6		12	0	19	
8	LMHP8UU	35.3	8		15	-13	24	± 300
10	LMHP10UU	65.5	10	0	19		29	
12	LMHP12UU	73.2	12	-9	21	0	30	
13	LMHP13UU	88	13		23	-16	32	0
16	LMHP16UU	129	16		28		37	-200
20	LMHP20UU	192	20	0	32	0	42	
25	LMHP25UU	387	25	-10	40	-19	59	0
30	LMHP30UU	464	30		45		64	-300
35	LMHP35UU	679	35	0	52	0	70	0
40	LMHP40UU	1,065	40	-12	60	-22	80	-300

LMHP20 M GA M 镀锌 M 镀镍

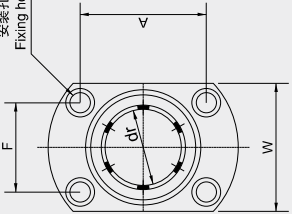
国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMHP13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
LMHP16 or More

主要尺寸和公差 Major dimensions and tolerance									垂直度 Squarness μm	偏心 Eccentricity μm	额定负荷 Basic load rating			
法兰 Flange											动态负荷 Dynamic Co N	静态负荷 Static Co N		
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm	12	12	15	15	20	20
5	28	18	5	20	—	3.5	6	3.1						
5	32	21	5	24	—	3.5	6	3.1						
6	40	25	6	29	—	4.5	7.5	4.1						
6	42	27	6	32	—	4.5	7.5	4.1						
6	43	29	6	33	—	4.5	7.5	4.1						
6	48	34	6	31	22	4.5	7.5	4.1						
8	54	38	8	36	24	5.5	9	5.1						
8	62	46	8	40	32	5.5	9	5.1						
10	74	51	10	49	35	6.6	11	6.1						
10	82	60	10	55	38	6.6	11	6.1						
13	96	70	13	64	45	9	14	8.1						

LMHP...LUU 尼龙保持架

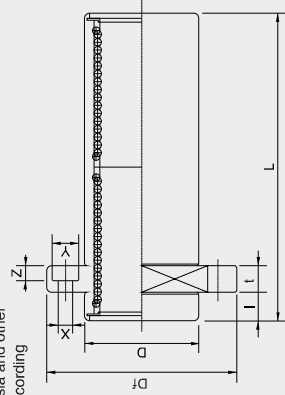
该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMHP...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.



LMHP...LUU



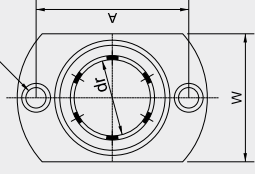
公称轴径 Nominal diameter mm	加长特制保留法兰 LMHP...LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				
			dr		D		L
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm 公差 Tolerance μm
6	LMHP6LUU	28	6		12	0	35
8	LMHP8LUU	47	8		15	-13	45
10	LMHP10LUU	90	10	0	19		55
12	LMHP12LUU	102	12	-10	21	0	57
13	LMHP13LUU	123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

密封型 Seal type:

LMHP20 LUU:

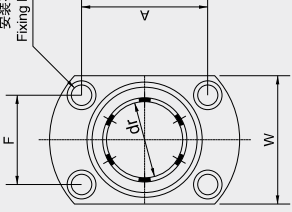
不涂 UU	不带密封 UU	No entry UU	No seals Seal on both sides
M	镀镍 M	M	Nickle plated

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMHP13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
LMHP16 or More

主要尺寸和公差 Major dimensions and tolerance											
法兰 Flange											
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm	偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating
5	28	18	5	20	-	3.5	6	3.1			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	15	15	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	20	20	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	25	25	2,850 6,270
13	96	70	13	64	45	9	14	8.1			3,430 8,040

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMHP...LGA 铝合金保持架

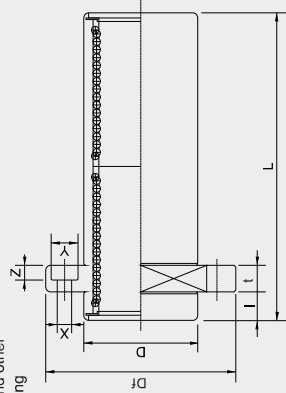
该类型尺寸是公制的。广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

LMHP...LGA (Aluminum 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



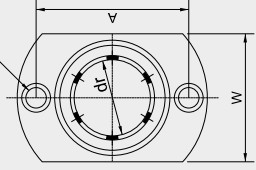
公称轴径 Nominal diameter mm	加长带台肩圆法兰 LMHP...LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
			dr		D		L	
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMHP6LGA	30.6	6		12	0	35	
8	LMHP8LGA	51.6	8		15	-13	45	±300
10	LMHP10LGA	95	10	0	19		55	
12	LMHP12LGA	112.4	12	-10	21	0	57	
13	LMHP13LGA	137	13		23	-16	61	0
16	LMHP16LGA	216	16		28		70	-300
20	LMHP20LGA	297	20	0	32	0	80	
25	LMHP25LGA	649	25	-12	40	-19	112	
30	LMHP30LGA	797	30		45		123	0
35	LMHP35LGA	1,148	35	0	52	0	135	-400
40	LMHP40LGA	1,740	40	-15	60	-22	151	

LMHP20 LMGA

M 镀镍

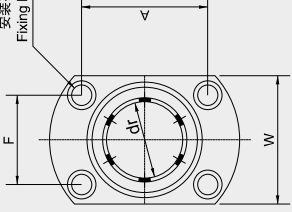
M 镀镍

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMHP13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
LMHP16 or More

主要尺寸和公差 Major dimensions and tolerance										
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm	偏心 Eccentricity μm	垂直度 Squarness μm
5	28	18	5	20	-	3.5	6	3.1		
5	32	21	5	24	-	3.5	6	3.1		
6	40	25	6	29	-	4.5	7.5	4.1		
6	42	27	6	32	-	4.5	7.5	4.1	15	15
6	43	29	6	33	-	4.5	7.5	4.1		
6	48	34	6	31	22	4.5	7.5	4.1		
8	54	38	8	36	24	5.5	9	5.1		
8	62	46	8	40	32	5.5	9	5.1	20	20
10	74	51	10	49	35	6.6	11	6.1		
10	82	60	10	55	38	6.6	11	6.1	25	25
13	96	70	13	64	45	9	14	8.1		

额定负荷 Basic load rating		垂直度 Squarness μm	偏心 Eccentricity μm
动态负荷 Dynamic Co N	静态负荷 Static Co N		
323	529		
431	784		
588	1,100		
813	1,570		
813	1,570		
1,230	2,350		
1,400	2,740		
1,560	3,140		
2,490	5,490		
2,850	6,270		
3,430	8,040		

国际单位: 1N=0.102kgf
SUNIT: 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)

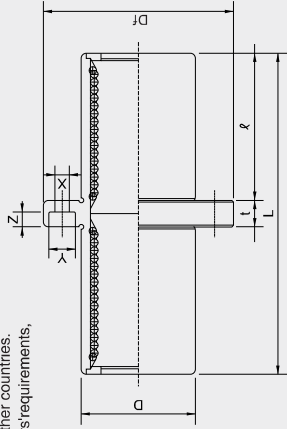
This type is a metric dimension series widely used in Asia and other countries.
All models can be done with nickel plated according to customers requirements,
with function of rust-proof.



LMFM...LUU



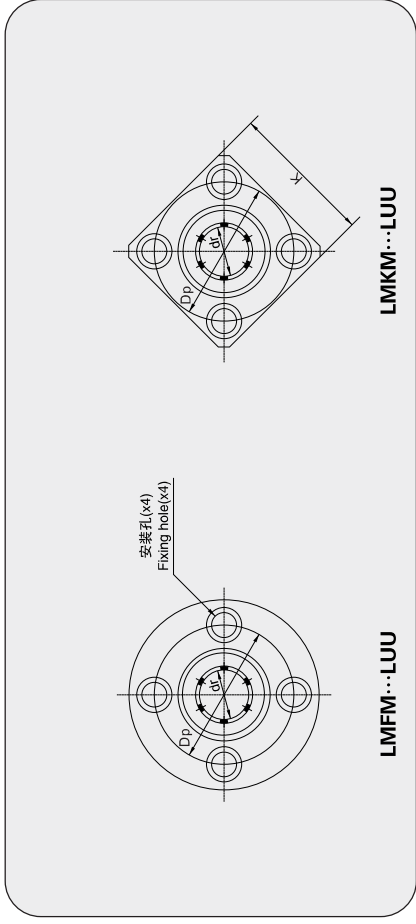
LMKM...LUU



公称轴径 Nominal shaft diameter mm	加长中间圆法兰 LMFM...LUU	重量 Weight (g)	加长中间圆法兰 LMKM...LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				D		L	
					d	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
6	LMFM6LUU	31	LMKM6LUU	25	6		12	0	15	0	35	±300
8	LMFM8LUU	51	LMKM8LUU	43	8		15	-13	19		45	
10	LMFM10LUU	98	LMKM10LUU	78	10	0					55	
12	LMFM12LUU	110	LMKM12LUU	90	12	-10	21					
13	LMFM13LUU	130	LMKM13LUU	108	13		23	0			61	0
16	LMFM16LUU	190	LMKM16LUU	165	16		28	-16			70	-300
20	LMFM20LUU	260	LMKM20LUU	225	20						80	
25	LMFM25LUU	540	LMKM25LUU	500	25	0	32	0	40	0	112	
30	LMFM30LUU	680	LMKM30LUU	590	30	-12	45	-19			123	
35	LMFM35LUU	1,020	LMKM35LUU	930	35	0	52	0			135	0
40	LMFM40LUU	1,570	LMKM40LUU	1,380	40	-15	60	-22	80		151	-400
50	LMFM50LUU	3,600	LMKM50LUU	3,400	50						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 LUU	不标	不需密封	无密封	No entry	No seals
	UU	双密封	UU	UU	Seal on both sides
	M	镍镀	M	M	Nickle plated



LMFM...LUU

LMKM...LUU

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

LMFK(M)·····LGA 铝合金保持架

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。

LMFK(M)·····LGA (Zinc alloy retainer)

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

All models can be done with nickel plated

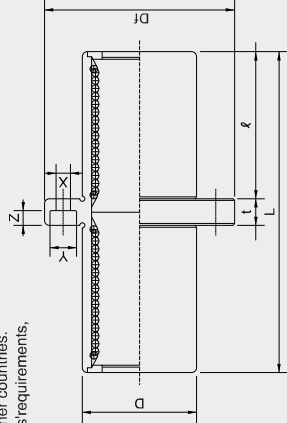
with function of rust-proof.



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	55		
12	LMFM12LGA	120.4	LMKM12LGA	100.4	12	-10		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	40	-19	112		
30	LMFM30LGA	832	LMKM30LGA	742	30	45		123		0
35	LMFM35LGA	1,218	LMKM35LGA	1,128	35	52	0	135		-400
40	LMFM40LGA	1,860	LMKM40LGA	1,670	40	60	-22	151		

LMFM20 L M GA

M 镀镍

M 镀镍

主要尺寸和公差 Major dimensions and tolerance								偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating	
法兰 Flange										动态 Dynamic Co N	静态 Static Co N
ℓ mm	Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm	15	15	323	431
15	28	22	5	20	3.5	6	3.1				
20	32	25	5	24	3.5	6	3.1				
24.5	40	30	6	29	4.5	7.5	4.1				
25.5	42	32	6	32	4.5	7.5	4.1				
27.5	43	34	6	33	4.5	7.5	4.1				
32	48	37	6	38	4.5	7.5	4.1				
36	54	42	8	43	5.5	9	5.1				
52	62	50	8	51	5.5	9	5.1				
56.5	74	58	10	60	6.6	11	6.1				
62.5	82	64	10	67	6.6	11	6.1				
69	96	75	13	78	9	14	8.1				
								25	20	1,560	3,140
								25	20	2,480	5,490
								25	20	2,650	6,270
								25	20	3,430	8,040

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

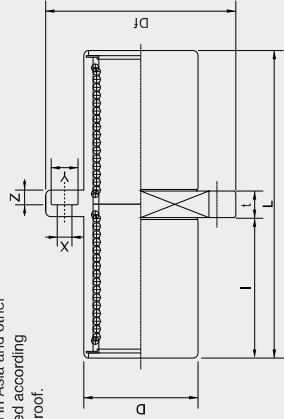
LMHM...LUU 尼龙保持架
该类型尺寸是公制的，广泛应用于亚洲和其它国家。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

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



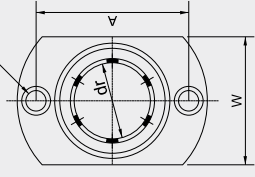
公称轴径 Nominal diameter mm	加长中间隔圈法兰 LMHM...LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance				
			dr		D		L
			mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm 公差 Tolerance μm
6	LMHM6LUU	28	6		12	0	35
8	LMHM8LUU	47	8		15	-13	45
10	LMHM10LUU	90	10	0	19		55
12	LMHM12LUU	102	12	-10	21	0	57
13	LMHM13LUU	123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

密封型 Seal type:

LMHM20 L/M/UU

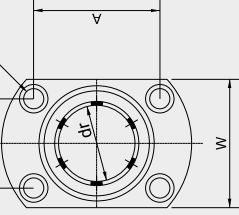
不标	不需密封	No entry	No seals
UU	双密封	UU	Seal on both sides
M	镀镍	M	Nickel plated

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMHM13L or Less

安装孔(x4)
Fixing hole(x4)



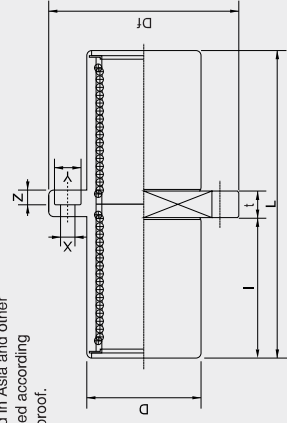
轴径大于或等于16mm
LMHM16L or More

主要尺寸和公差 Major dimensions and tolerance										额定负荷		
法兰 Flange										垂直度 Squarness μm	Basic load rating	
I mm	Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm	动负荷 Dynamic C _N		静负荷 Static C ₀ N	
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	20	20	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	25	25	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	25		3,430	8,040

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMHM...LGA 铝合金保持架

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 (Zinc alloy 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.

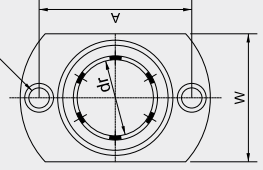


LMHM...LGA

公称轴径 Nominal diameter mm	加长中间隔圈法兰 LMHM...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	LMHM6LGA	30.6	6		12	0	35	
8	LMHM8LGA	51.6	8		15	-13	45	± 300
10	LMHM10LGA	95	10	0	19		55	
12	LMHM12LGA	112.4	12	-10	21	0	57	
13	LMHM13LGA	137	13		23	-16	61	0
16	LMHM16LGA	216	16		28		70	-300
20	LMHM20LGA	297	20	0	32	0	80	
25	LMHM25LGA	649	25	-12	40	-19	112	
30	LMHM30LGA	797	30		45		123	0
35	LMHM35LGA	1,148	35	0	52	0	135	-400
40	LMHM40LGA	1,740	40	-15	60	-22	151	

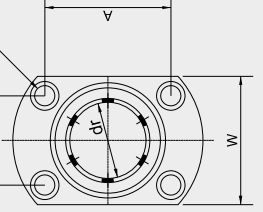
LMHM20 L M GA M 镀镍 M Nickel plated

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
LMHM13L or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
LMHM16L or More

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

国际单位: 1N=0.102kgf
SUNIT: 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)

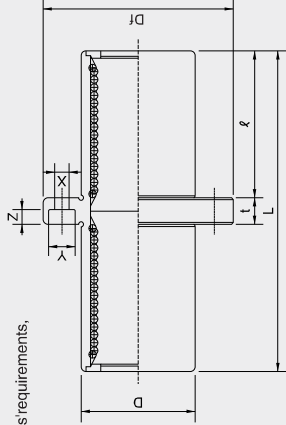
This type is a metric dimension series generally used in Europe.
All models can be done with nickel plated according to customers requirements,
with function of rust-proof.



LMEFM--LUU



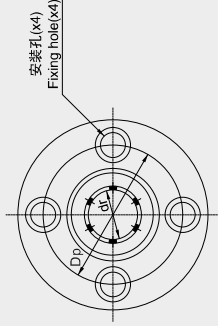
LMEKM--LUU



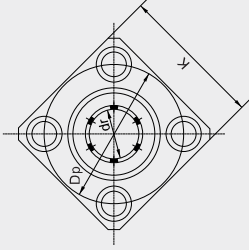
公称轴径 Nominal shaft diameter mm	加长中间法兰 LMEFM--LUU	重量 Weight (g)	加长中间法兰 LMEKM--LUU	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
8	LMEFM8LUU	59	LMEKM8LUU	51	8	+9	16	0	46	±300
12	LMEFM12LUU	110	LMEKM12LUU	90	12	-1	22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

密封型 Seal type:

LMEFM20 L M LUU	不拆 UU	不带密封 UU	双密封 UU	No entry UU	No seals UU
	M	M	M	M	Nickel plated



LMEFM--LUU



LMEKM--LUU

主要尺寸和公差 Major dimensions and tolerance								同心 Eccentricity μ m	垂直度 Squarness μ m	额定负荷	
法兰 Flange										动态负荷 Dynamic Co N	静态负荷 Static Co N
ℓ mm	Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm			421	804
20.5	32	25	5	24	3.5	6	3.1				
27.5	42	32	6	32	4.5	7.5	4.1	15	15	813	1570
31	46	35	6	36	4.5	7.5	4.1			912	1780
36	54	42	8	43	5.5	9	5.1			1370	2740
52	62	50	8	51	5.5	9	5.1	17	17	1570	3140
56.5	76	60	10	62	6.6	11	6.1			2500	5490
69	98	75	13	80	9	14	8.1	20	20	3430	8040
89.5	112	88	13	94	9	14	8.1			6080	15900
95.5	134	106	18	112	11	17	11.1	25	25	7550	20000
123.5	164	136	18	142	11	17	11.1	30	30	11500	32200

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf

LMEF(K)M--LGA 锌合金保持架

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 (Zinc alloy retainer)

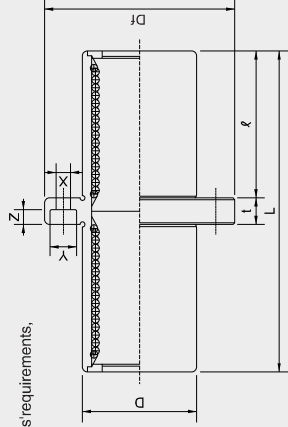
This type is a metric dimension series generally used in Europe.
All models can be done with nickel plated according to customers requirements,
with function of rust-proof.



LMEFM--LGA



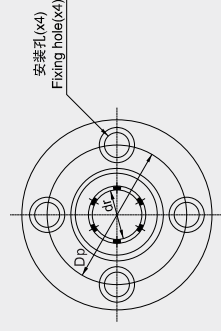
LMEKM--LGA



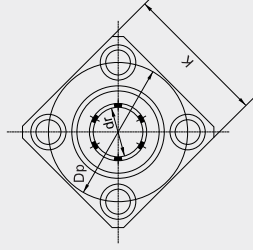
公称轴径 Nominal shaft diameter mm	加长中间圆法兰 LMEFM--LGA	重量 Weight (g)	加长中间法兰 LMEKM--LGA	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance					
					dr		D		L	
					mm	公差 Tolerance μm	mm	公差 Tolerance μm	mm	公差 Tolerance μm
8	LMEFM8LGA	69.4	LMEKM8LGA	61.4	8	+9	16	0 -8	46	± 300
12	LMEFM12LGA	133.8	LMEKM12LGA	113.8	12	-1	22	0	61	0
16	LMEFM16LGA	193	LMEKM16LGA	168	16	+11	26	-11	68	-300
20	LMEFM20LGA	319.6	LMEKM20LGA	283.6	20	-1	32	0	80	
25	LMEFM25LGA	653.8	LMEKM25LGA	613.8	25	+13	40	-13	112	0
30	LMEFM30LGA	999.6	LMEKM30LGA	904.6	30	-2	47		123	-400
40	LMEFM40LGA	2,183.2	LMEKM40LGA	1,978.2	40	+16 -4	62	0 -15	151	

LMEFM20 L M GA

M 镀镍 M Nickel plated



LMEFM--LUU



LMEKM--LUU

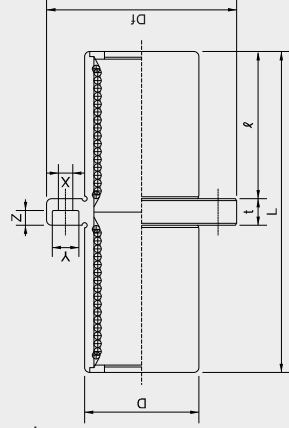
主要尺寸和公差 Major dimensions and tolerance										
法兰 Flange	法兰					偏心 Eccentricity μm	垂直度 Squarness μm	额定负荷 Basic load rating		
	ℓ mm	Df mm	K mm	t mm	Dp mm					
	20.5	32	25	5	24	3.5	6	421	804	
	27.5	42	32	6	32	4.5	7.5	813	1,570	
	31	46	35	6	36	4.5	7.5	912	1,780	
	36	54	42	8	43	5.5	9	1,370	2,740	
	52	62	50	8	51	5.5	9	1,570	3,140	
	56.5	76	60	10	62	6.6	11	2,500	5,490	
	69	98	75	13	80	9	14	3,430	8,040	

国际单位: 1N=0.102kgf
SIUNIT: 1N=0.102kgf



LMBKM...LUU

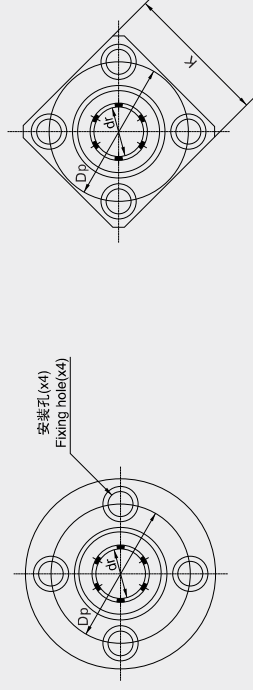
LMBF(K)M...LUU (Resin retainer)
This type is a metric dimension series mainly used in the America.
All models can be done with nickle plated according to customers'requirements, with function of rust-proof



LMBFM...LUU

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

No entry	No seals
UU	Seal on both sides
M	Nickle plated



LMBKM...LUU

国际单位: $1\text{N} \approx 0.225\text{lbs}$
 $1\text{kg} \approx 2.205\text{lbs}$
 SIUNIT: $1\text{N} \approx 0.225\text{lbs}$
 $1\text{kg} \approx 2.205\text{lbs}$

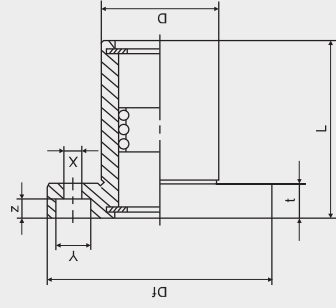
法兰式行程轴承：STF(K)

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 Stroke Bearing：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 nickel plated according to customers' requirements , with function of rust-proof.



STF

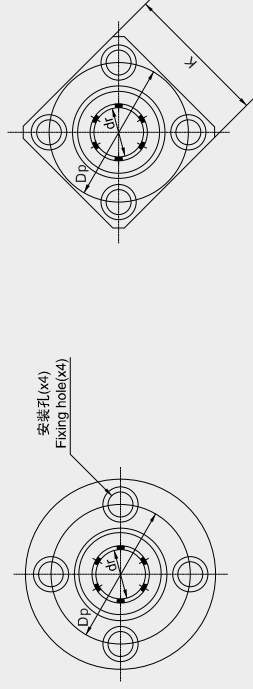
STK



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			
						Df		D	
						公差 Tolerance μm	mm	公差 Tolerance μm	mm
STF6	25	STK6	19	20	3		6	0	20
STF8	37	STK8	29	24	3	+22	8	-13	24
STF10	70	STK10	50	30	3	+13	10		30
STF12	87	STK12	71	32	3		12	0	32
STF13	87	STK13	71	32	3	+27 +16	13	-16	32
STF16	121	STK16	105	40	3		16		37
STF20	189	STK20	154	50	3		20		45
STF25	237	STK25	197	50	3	+33 +20	25	0	45
STF30	325	STK30	230	82	3		30	-19	65
STF35	580	STK35	490	92	3	+41	35		70
STF40	1,016	STK40	936	108	3	+25	40	0	80
STF50	1,427	STK50	1,227	138	3		50	-22	100
STF60	2,340	STK60	1,900	138	3	+49	60	0	100
STF80	3,350	STK80	2,850	132	3	+30	80	-25	100
STF100	4,440	STK100	3,740	132	3	+58 +36	100	0	100

STF(K)20 M 镀镍

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



STF

STK

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
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm			
28	22	5	20	3.5	6	3.1		147	216
32	25	5	24	3.5	6	3.1		245	343
40	30	6	29	4.5	7.5	4.1	12	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		1,170	1,260
62	48	8	50	5.5	9	5.1	15	1,330	1,330
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	25	5,980	8,230
154	126	18	132	11	17	11.1		7,840	12,200
180	150	20	155	14	20	13.1	30	8,430	14,700

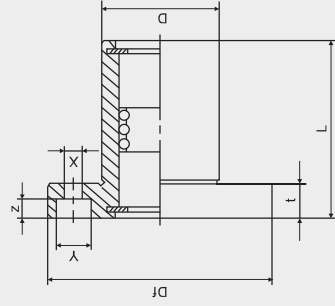
法兰型行程轴承(重负荷型)：STF(K)...B

可进行旋转运动、有直线运动及复合运动；
可用螺栓固定安装法兰，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锌处理，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



圆法兰 STF	重量 Weight (g)	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	
						公差 Tolerance μm	mm	公差 Tolerance μm	mm
						公差 Tolerance μm	mm	公差 Tolerance μm	mm
STF6B	26	STK6B	20	8	6		12	0	20
STF8B	38.2	STK8B	30.2	8	6	+22 +13	15	-13	24
STF10B	72.4	STK10B	52.4	8	6		19		30
STF12B	91	STK12B	75	8	6		23	0	32
STF13B	91	STK13B	75	8	6	+27 +16	23	-16	32
STF16B	125	STK16B	109	16	6		28		37
STF20B	196	STK20B	161	20	6		32		45
STF25B	245	STK25B	205	20	6	+33 +20	37	0 -19	45
STF30B	340	STK30B	245	44	6		45		65
STF35B	597	STK35B	507	54	6		52		70
STF40B	1,040	STK40B	960	66	6	+41 +25	60	0 -22	80
STF50B	1,462	STK50B	1,262	88	6		72		100
STF60B	2,390	STK60B	1,950	88	6	+49	85	0	100
STF80B	3,410	STK80B	2,910	76	6	+30	110	-25	100
STF100B	4,520	STK100B	3,820	76	6	+58 +36	130	0 -29	100

STF(K)20 B.M

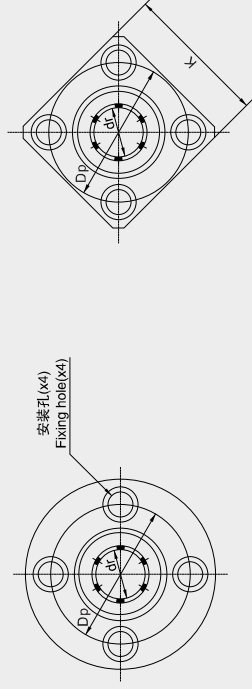


Nickle plated

重负荷型

主要尺寸和公差 Major dimensions and tolerance							额定负荷 Basic load rating	
法兰 Flange							垂直度 Squareness μm	
Df mm	K mm	t mm	Dp mm	X mm	Y mm	Z mm		
28	22	5	20	3.5	6	3.1	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	48	8	50	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	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	13,700	29,400

国际单位：1N=0.225lbs
1kg=2.205lbs
SUNIT：1N=0.225lbs
1kg=2.205lbs



STF

STK

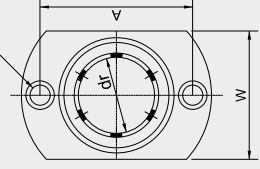
法兰型行程轴承(重负荷型)：STH
可进行旋转运动、有限直线运动及复合运动；
可用螺丝固定安装法兰，便于组装。
所有型号均可根据客户要求做镀镍处理，有防锈作用。

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.



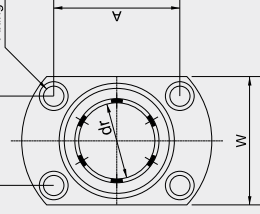
STH

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
STH13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
STH16 or More

端面法兰 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 μ m	mm	公差 Tolerance μ m	mm	公差 Tolerance μ m
STH6	22	20	3	6		12	0	20	
STH8	33	24	3	8	+22 +13	15	-13	24	
STH10	60	30	3	10		19		30	
STH12	79	32	3	12		23	0	32	$\pm$ 300
STH13	79	32	3	13	+27 +16	23	-16	32	
STH16	115	40	3	16		28		37	
STH20	175	50	3	20		32		45	
STH25	220	50	3	25	+33 +20	37	0 -19	45	
STH30	290	82	3	30		45		65	
STH35	535	92	3	35	+41 +25	52	0	70	0 -300
STH40	1,036	108	3	40		60	-22	80	

STH20 M
T M 镀镍
Nickel plated

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											
Df mm	W mm	t mm	A mm	F mm	X mm	Y mm	Z mm	动负荷 Dynamic Co N	静负荷 Static Co N		
28	18	5	20	—	3.5	6	3.1		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	12	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	15	1,330	1,330	
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	

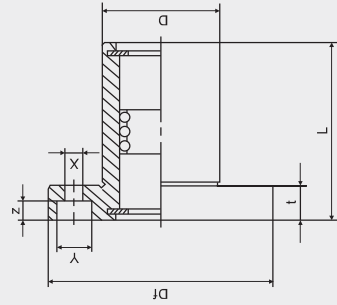
国际单位：1N=0.225lbs
1kg=2.205lbs
SIUNIT: 1N=0.225lbs
1kg=2.205lbs

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；
可用螺栓固定安装法兰，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 loading capacity, which is easy assembling. All models can be done with nickel plated according to customers' requirements, with function of rust-proof.



STH...B



扁圆法兰 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
STH6B	23	8	6	6		12	0 -13	20
STH8B	37	8	6	8	+22 +13	15		24
STH10B	65	8	6	10		19		30
STH12B	86	8	6	12		23	0 -16	32
STH13B	86	8	6	13	+27 +16	23		32
STH16B	123	16	6	16		28		37
STH20B	187	20	6	20		32		45
STH25B	232	20	6	25	+33 +20	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

STH20 B M

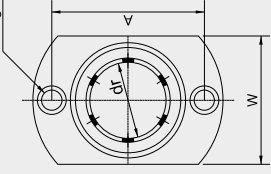


Nickle plated

重负荷型

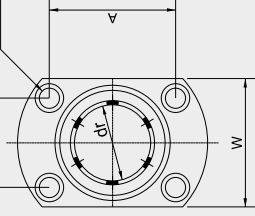
Heavy duty type

安装孔(x2)
Fixing hole(x2)



轴径小于或等于13mm
STH13 or Less

安装孔(x4)
Fixing hole(x4)



轴径大于或等于16mm
STH16 or More

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 CoN	静负荷 Static CoN
Df mm	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	15		1,630	1,720	
48	34	6	31	22	4.5	7.5	4.1			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	20		4,800	6,270	
82	60	10	55	38	6.6	11	6.1			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
SUNIT：1N=0.225lbs
1kg=2.205lbs

直线轴承箱式单元

Linear Motion Ball Bearings Slide Unites

●SNB公司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。

●SNB Co.Ltd can supply all types of Linear SNB's 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.



SCJ

间隙可调型铝制箱式单元（带有沿轴轨道）
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.



SC

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



SC(E)-L

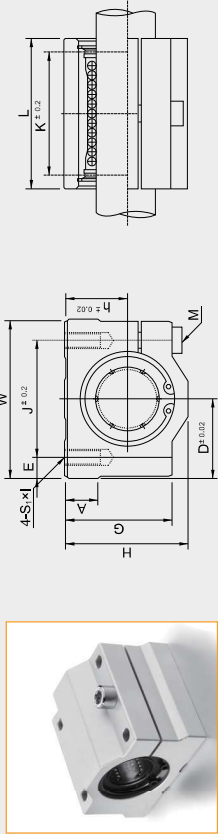
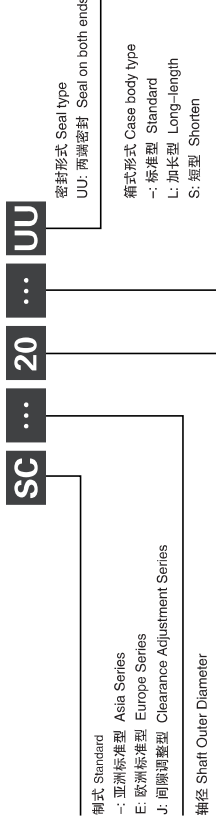
长型铝制箱式单元（带有两个标准型直线轴承）
SC(E)-L Long-length aluminium Slide Units
(include two standard linear motion ball bearings)



SC(E)-S

短型铝制箱式单元（带有标准型直线轴承）
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.

产品型号说明 Product model Description

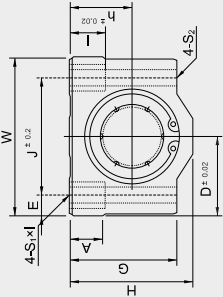


SCJ...UU

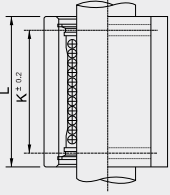
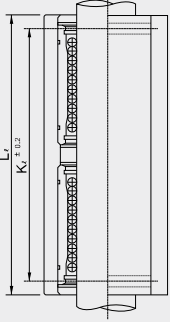
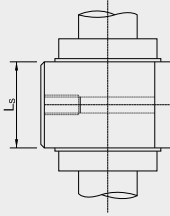
型号 Model	内装轴承 Liner bearing	额定负荷 Basic load rating		轴径 Shaft diameter mm	尺寸 Dimensions (mm)													重量 Weight (g)
		动负荷 Dynamic C N	静负荷 Static Co N		h	D	W	H	G	A	J	E	S×I	K	L	M		
SCJ10UU	LM10UU-AJ	372	549	10	13	20	40	26	21	8.0	28	6.0	M5x12	21	35	M5	90	
SCJ12UU	LM12UU-AJ	510	784	12	15	21	42	28	24	8.0	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	







SC...UU
SC...LUU
SC...SUU

SC...UU
SC...LUU
SC...SUU

标准型 Standard	额定负荷 Basic load rating		加长型 Length type		额定负荷 Basic load rating		短型 Shorten type	
	型号 Model	内装轴承 Liner bearing	型号 Model	内装轴承 Liner bearing	动态 Dynamic C N	静态 Static Co N	重量 Weight (g)	重量 Weight (g)
SC6UU	LM6UU		—	—	—	—	34	—
SC8UU	LM8UU		SC8LUU	2xLM8UU	431	784	56	94
SC10UU	LM10UU		SC10LUU	2xLM10UU	588	1,100	90	147
SC12UU	LM12UU		SC12LUU	2xLM12UU	813	1,570	112	220
SC13UU	LM13UU		SC13LUU	2xLM13UU	813	1,570	123	245
SC16UU	LM16UU		SC16LUU	2xLM16UU	1,230	2,350	189	376
SC20UU	LM20UU		SC20LUU	2xLM20UU	1,410	2,740	237	476
SC25UU	LM25UU		SC25LUU	2xLM25UU	1,610	3,140	555	1,115
SC30UU	LM30UU		SC30LUU	2xLM30UU	2,450	5,490	685	1,375
SC35UU	LM35UU		SC35LUU	2xLM35UU	2,650	6,270	1,100	2,200
SC40UU	LM40UU		SC40LUU	2xLM40UU	3,430	8,040	1,600	3,200
SC50UU	LM50UU		SC50LUU	2xLM50UU	6,080	15,900	3,350	6,720
SC60UU	LM60UU		SC60LUU	2xLM60UU	7,550	20,000	4,720	8,480
SC80UU	LM80UU		SC80LUU	2xLM80UU	11,500	32,000	8,100	15,100

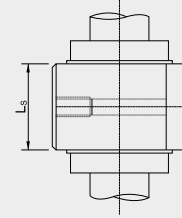
基本负荷 Basic load rating		重量 Weight (g)	尺寸 Dimensions (mm)									
			通用尺寸 Nominal dimensions			Nominal dimensions (mm)						
动态 Dynamic C N	静态 Static Co N	轴径 Shaft diameter mm	h	D	W	H	G	A	J	E	SxI	Sz
—	—	—	9	15	30	18	15	6	20	5	M4x8	φ3.4
260	400	φ6	11	17	34	22	18	6	24	5	M4x8	φ3.4
370	540	φ8	13	20	40	26	21	8	28	6	M5x12	φ4.3
410	590	φ10	15	21	42	28	24	8	30.5	5.75	M5x12	φ4.3
500	770	φ12	15	22	44	30	24.5	8	33	5.5	M5x12	φ4.3
500	770	φ13	15	22	44	30	24.5	8	33	5.5	M5x12	φ4.3
770	1,170	φ16	19	25	50	38.5	32.5	9	36	7	M5x12	φ4.3
880	1,370	φ20	21	27	54	41	35	11	40	7	M6x12	φ5.2
980	1,560	φ25	26	38	76	51.5	42	12	54	11	M8x18	φ7.0
1,560	2,740	φ30	30	39	78	59.5	49	15	58	10	M8x18	φ7.0
1,660	3,130	φ35	34	45	90	68	54	18	70	10	M8x18	φ7.0
2,150	4,010	φ40	40	51	102	78	62	20	80	11	M10x25	φ8.7
3,820	7,930	φ50	52	61	122	102	80	25	100	11	M10x25	φ8.7
4,700	10,000	φ60	58	66	132	114	94	30	108	12	M12x25	φ10.7
7,350	16,000	φ80	75	81	162	148	125	35	138	12	M12x30	φ10.7



SCE...SUU



SCE...SUU



SCE...SUU

额定负荷			重量 Weight (g)	尺寸 Dimensions (mm)															
Basic load rating		轴径 Shaft diameter		通用尺寸				Nominal dimensions (mm)				SCE→UU			SCE→LUU			SCE→SUU	
动负荷 Dynamic C _N	静负荷 Static C _{0N}			h	D	W	H	G	A	J	E	S ₁	S ₂	K	L	K ₁	L ₁	L ₅	
260	400	40	11	17	34	23	18	6	24	5	M4x8	φ3.4	18	30	42	58	14.4		
410	590	82	15	22	44	30	24	8	33	5.5	M5x12	φ4.3	26	39	64	77	20.3		
770	1,170	122	19	25	50	38.5	32.5	9	36	7	M5x12	φ4.3	34	44	79	89	22.3		
860	1,370	176	21	27	54	41	35	11	40	7	M6x12	φ5.2	40	53	90	106	28.3		
980	1,560	400	25	26	38	76	51.5	41	12	54	M8x18	φ7	50	67	119	136	40.4		
1,560	2,740	570	30	39	78	59.5	49	15	58	10	M8x18	φ7	58	76	132	154	48.4		
2,150	4,010	1,320	40	51	102	78	62	20	80	11	M10x25	φ8.7	60	90	150	180	56.4		
3,820	7,930	1,900	50	52	61	122	102	20	100	11	M10x25	φ8.7	80	110	200	230	72.3		
4,700	9,800	4,230	60	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



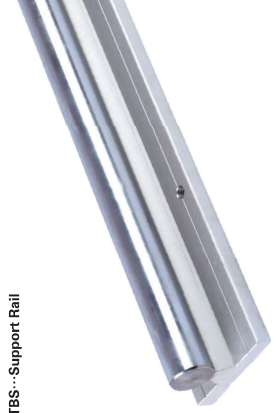
TBR...Slide Units



SBS...Support Rail



TBS...Support Rail



SBR...S Support Rail Units



TBR...S Support Rail Units



SB S ...A -1000L

SB 支撑导轨

SB Support Rail

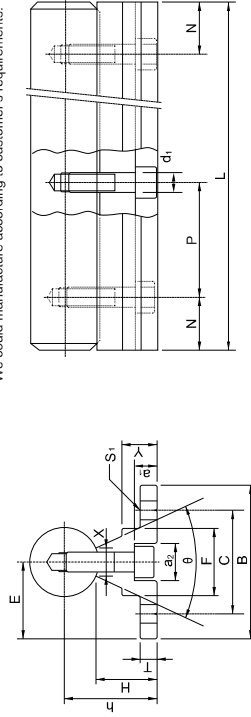
S: 带轴 With shaft

-: 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	F	X	Y	C	ø	S ₁	a ₁	a ₂		d ₁
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	80°	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	150 270 390 510 750	150 270 510 750	190 340 640 940	340 640 940 1,240	250 450 850 1,250	450 850 1,250 1,450	460 660 860 1,060	460 660 860 1,060	460 660 860 1,060
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
Weight	470 670 870 1,070 1,270	470 670 870 1,070 1,270	460 660 860 1,060	460 660 860 1,060	460 660 860 1,060	460 660 860 1,060	460 660 860 1,060	460 660 860 1,060	460 660 860 1,060

轴径 Shaft Diameter

TBR...S 2A + 1000L

TBR 支撑导轨单元

TBR Support Rail Units

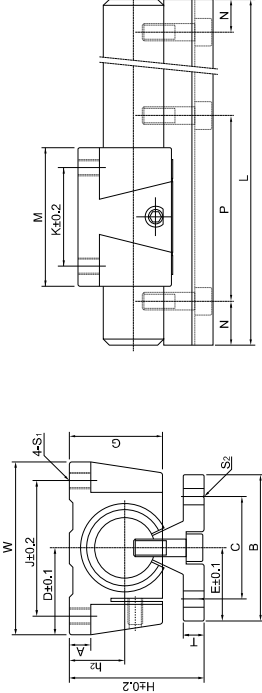
每条导轨上箱式单元数量

Number of the Units On One Support Rail Units

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TBS系列表。用户订货时需提出图纸。
The main length of rails and slide units can be searched on the form of TBS 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)			
支导线单元 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
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
TBR16SA	62	26	8	50	6	42	M5	50	30	Φ5.5
TBR20SA	68	31	10	55	8	51	M6	54	37	Φ5.5
TBR25SA	82	41	12	65	10	65	M8	65	50	Φ6.6
TBR30SA	91	48	12	75	12	75	M8	75	60	Φ6.6

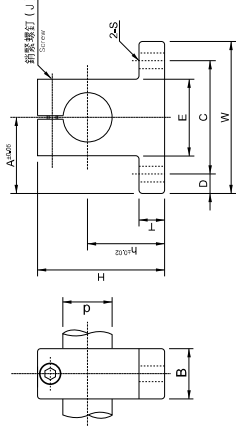
型号 Model	轴径 Shaft diameter	额定负荷 Basic load rating 动负荷 Dynamic Co N	额定负荷 Static Co N	尺寸 Dimensions (mm)											配合直线轴承 Liner bearing
				W	G	A	M	S ₁	J	K	E	h ₂	型号 Model	额定负荷 动负荷 Dynamic Co N	
TBR16UU	16	780	980	62	26	8	85	M5	50	60	31	18	2xLM16UUOP	392	490
TBR20UU	20	1,568	2,352	68	31	10	96	M6	54	70	34	21	2xLM20UUOP	784	1,176
TBR25UU	25	3,136	4,704	82	41	12	130	M8	65	100	41	28	2xLM25UUOP	1,568	2,352
TBR30UU	30	3,528	5,880	91	48	12	140	M8	75	110	45.5	33.5	2xLM30UUOP	1,764	2,940

轴支座 Shaft Support

SH ...

MYT轴支座 Shaft Support

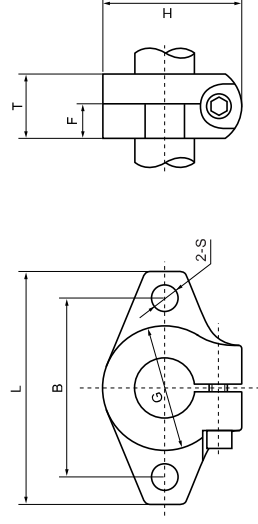
轴径 Shaft Diameter



SH (SK)

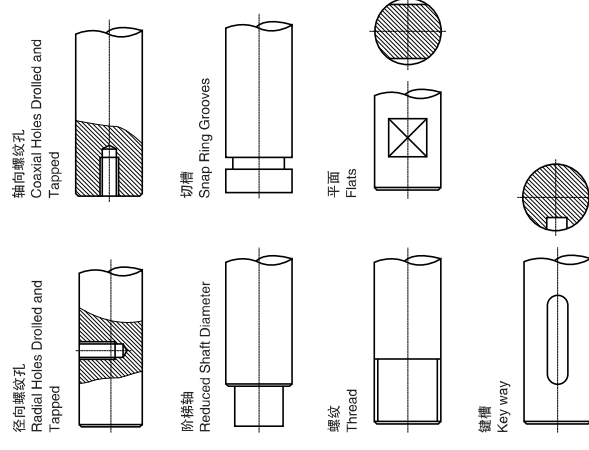
型号 Model	轴径 Shaft diameter	尺寸 Dimensions (mm)											重量 Weight (g)
		h	A	W	H	T	E	D	C	B	S	J	
SH6	φ6	20	21	42	32.8	6	18	5	32	14	φ5.5	M4	24
SH8	φ8	20	21	42	32.8	6	18	5	32	14	φ5.5	M4	24
SH10	φ10	20	21	42	32.8	6	18	5	32	14	φ5.5	M4	24
SH12	φ12	23	21	42	37.5	6	20	5	32	14	φ5.5	M4	30
SH13	φ13	23	21	42	37.5	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

轴 Shafts



SHF

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			
SHF3	Φ3	43	10	5	32	20	24	5.5	M5	M4	13
SHF4	Φ4	43	10	5	32	20	24	5.5	M5	M4	13
SHF5	Φ5	43	10	5	32	20	24	5.5	M5	M4	13
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

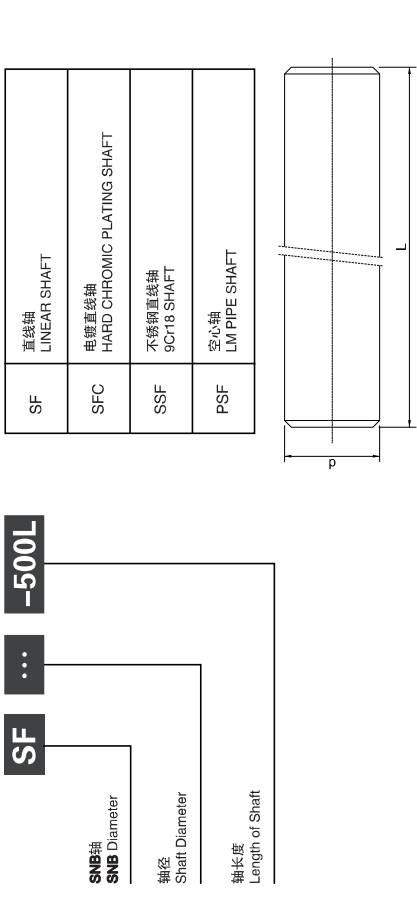


图(Fig) 直轴轴示例
Examples for Shafts

SNB 直轴轴是经过热处理、磨削和抛光的高精度的产品。为直线轴承配套的直轴轴，其直线性、粗糙度、圆柱度、表面质量和硬度是其重要的。SNB 直轴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。这些直轴轴能支撑旋转运动、直线运动和旋转直线复合运动以及单纯的直线运动。

SNB 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. **SNB** 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
直轴度 Straightness: 50um /300mm



型号 Model	轴径 Shaft diameter [g6]		尺寸 Dimensions (mm)															
	d (mm)	公差 Tolerance (μ m)	100	200	300	400	500	600	700	800	1000	1200	1300	1500	2000			
			0	0	0	0	-	-	-	-	-	-	-	-	-			
SF3	ϕ 3	-0.002 -0.008	0	0	0	0	-	-	-	-	-	-	-	-	-			
SF4	ϕ 4	-0.004	0	0	0	0	0	-	-	-	-	-	-	-	-			
SF5	ϕ 5	-0.012	0	0	0	0	0	-	-	-	-	-	-	-	-			
SF6	ϕ 6	-	0	0	0	0	0	0	-	-	-	-	-	-	-			
SF8	ϕ 8	-0.005	0	0	0	0	0	0	-	-	-	-	-	-	-			
SF10	ϕ 10	-0.014	0	0	0	0	0	0	0	0	0	0	0	0	0			
SF12	ϕ 12	-0.006	-	0	0	0	0	0	0	0	0	0	0	0	0			
SF13	ϕ 13	-0.017	-	0	0	0	0	0	0	0	0	0	0	0	0			
SF16	ϕ 16	-	-	0	0	0	0	0	0	0	0	0	0	0	0			
SF20	ϕ 20	-0.007	-	0	0	0	0	0	0	0	0	0	0	0	0			
SF25	ϕ 25	-0.020	-	0	0	0	0	0	0	0	0	0	0	0	0			
SF30	ϕ 30	-	-	-	0	0	0	0	0	0	0	0	0	0	0			
SF35	ϕ 35	-0.009	-	-	-	-	0	0	0	0	0	0	0	0	0			
SF40	ϕ 40	-0.025	-	-	-	-	0	0	0	0	0	0	0	0	0			
SF50	ϕ 50	-	-	-	-	-	0	0	0	0	0	0	0	0	0			
SF60	ϕ 60	-0.010	-	-	-	-	0	0	0	0	0	0	0	0	0			
SF80	ϕ 80	-0.029	-	-	-	-	-	-	-	-	0	0	0	0	0			
SF100	ϕ 100	-0.012 -0.034	-	-	-	-	-	-	-	-	0	0	0	0	0			

○ 标准库存品
○ 标准库存品

Standard Length
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	太敏	IBI (台湾)	THK	HEPHAIST	IKO	SAMICK	
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	太敏	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	太敏	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/T 6940)
基本代号: LB

轴和孔的配合公差 (公制)
Fitting Tolerances for Shafts and Bore Diameters (Metric Dimension Series)

公称轴径 Nominal diameter mm	轴径公差 Shaft Diameter Tolerance μm																Over
	Incl	f5	f6	f7	g5	g6	g7	h5	h6	h7	h8	js5	js6	js7	js8	js9	
—	3	-10	-12	-16	-6	-8	-12	-4	-6	-10	-14	± 2	± 3	± 5	± 6	± 8	-2
	6	-15	-18	-22	-9	-12	-16	-5	-8	-12	-16	± 2.5	± 4	± 5	± 6	± 8	
3	6	-19	-22	-28	-6	-9	-15	-22	-3	-6	-10	± 3	± 4.5	± 7	± 10	± 12	-2
	10	-24	-27	-34	-6	-9	-17	-24	-4	-6	-10	± 4	± 5.5	± 9	± 12	± 15	
14	14	-16	-19	-24	-14	-17	-24	-14	-17	-24	-27	± 4	± 5.5	± 9	± 12	± 15	-2
	18	-20	-23	-30	-16	-20	-28	-16	-20	-28	-34	± 4.5	± 6.5	± 10	± 13	± 16	
24	24	-29	-33	-41	-20	-25	-34	-20	-25	-34	-41	± 5	± 7	± 11	± 14	± 17	-2
	30	-36	-41	-50	-25	-30	-39	-25	-30	-39	-47	± 5.5	± 8	± 12	± 15	± 18	
40	40	-45	-50	-60	-30	-36	-45	-30	-36	-45	-54	± 6	± 8	± 12	± 15	± 18	-2
	50	-54	-60	-70	-36	-42	-54	-36	-42	-54	-63	± 6.5	± 9	± 13	± 16	± 19	
50	50	-63	-69	-80	-42	-48	-60	-42	-48	-60	-70	± 7	± 9	± 14	± 17	± 20	-2
	65	-75	-82	-95	-50	-57	-70	-50	-57	-70	-80	± 7.5	± 9.5	± 15	± 18	± 21	
80	80	-84	-91	-105	-57	-64	-78	-57	-64	-78	-88	± 8	± 10	± 15	± 18	± 21	-2
	100	-96	-104	-120	-66	-74	-88	-66	-74	-88	-100	± 8.5	± 11	± 16	± 19	± 22	
120	120	-108	-116	-132	-75	-84	-99	-75	-84	-99	-110	± 9	± 12	± 17	± 20	± 23	-2
	140	-120	-128	-145	-84	-93	-108	-84	-93	-108	-120	± 9.5	± 12.5	± 17.5	± 21	± 24	
160	160	-132	-140	-156	-93	-102	-117	-93	-102	-117	-128	± 10	± 13	± 18	± 21	± 24	-2
	180	-144	-152	-168	-102	-111	-126	-102	-111	-126	-138	± 10.5	± 13.5	± 18.5	± 22	± 25	

公差轴径 mm	轴径公差 Shaft Diameter Tolerance μm																Over
	Incl	f5	f6	f7	g5	g6	g7	h5	h6	h7	h8	js5	js6	js7	js8	js9	
—	3	-10	-12	-16	-6	-8	-12	-4	-6	-10	-14	± 2	± 3	± 5	± 6	± 8	-2
	6	-15	-18	-22	-9	-12	-16	-5	-8	-12	-16	± 2.5	± 4	± 5	± 6	± 8	
3	6	-19	-22	-28	-6	-9	-15	-22	-3	-6	-10	± 3	± 4.5	± 7	± 10	± 12	-2
	10	-24	-27	-34	-6	-9	-17	-24	-4	-6	-10	± 4	± 5.5	± 9	± 12	± 15	
14	14	-16	-19	-24	-14	-17	-24	-14	-17	-24	-27	± 4	± 5.5	± 9	± 12	± 15	-2
	18	-20	-23	-30	-16	-20	-28	-16	-20	-28	-34	± 4.5	± 6.5	± 10	± 13	± 16	
24	24	-29	-33	-41	-20	-25	-34	-20	-25	-34	-41	± 5	± 7	± 11	± 14	± 17	-2
	30	-36	-41	-50	-25	-30	-39	-25	-30	-39	-47	± 5.5	± 8	± 12	± 15	± 18	
40	40	-45	-50	-60	-30	-36	-45	-30	-36	-45	-54	± 6	± 8	± 12	± 15	± 18	-2
	50	-54	-60	-70	-36	-42	-54	-36	-42	-54	-63	± 6.5	± 9	± 13	± 16	± 19	
50	50	-63	-69	-80	-42	-48	-60	-42	-48	-60	-70	± 7	± 9	± 14	± 17	± 20	-2
	65	-75	-82	-95	-50	-57	-70	-50	-57	-70	-80	± 7.5	± 9.5	± 15	± 18	± 21	
80	80	-84	-91	-105	-57	-64	-78	-57	-64	-78	-88	± 8	± 10	± 15	± 18	± 21	-2
	100	-96	-104	-120	-66	-74	-88	-66	-74	-88	-100	± 8.5	± 11	± 16	± 19	± 22	
120	120	-108	-116	-132	-75	-84	-99	-75	-84	-99	-110	± 9	± 12	± 17	± 20	± 23	-2
	140	-120	-128	-145	-84	-93	-108	-84	-93	-108	-120	± 9.5	± 12.5	± 17.5	± 21	± 24	
160	160	-132	-140	-156	-93	-102	-117	-93	-102	-117	-128	± 10	± 13	± 18	± 21	± 24	-2
	180	-144	-152	-168	-102	-111	-126	-102	-111	-126	-138	± 10.5	± 13.5	± 18.5	± 22	± 25	

公差轴径 mm	轴径公差 Shaft Diameter Tolerance μm																Over
	Incl	f5	f6	f7	g5	g6	g7	h5	h6	h7	h8	js5	js6	js7	js8	js9	
—	3	-10	-12	-16	-6	-8	-12	-4	-6	-10	-14	± 2	± 3	± 5	± 6	± 8	-2
	6	-15	-18	-22	-9	-12	-16	-5	-8	-12	-16	± 2.5	± 4	± 5	± 6	± 8	
3	6	-19	-22	-28	-6	-9	-15	-22	-3	-6	-10	± 3	± 4.5	± 7	± 10	± 12	-2
	10	-24	-27	-34	-6	-9	-17	-24	-4	-6	-10	± 4	± 5.5	± 9	± 12	± 15	
14	14	-16	-19	-24	-14	-17	-24	-14	-17	-24	-27	± 4	± 5.5	± 9	± 12	± 15	-2
	18	-20	-23	-30	-16	-20	-28	-16	-20	-28	-34	± 4.5	± 6.5	± 10	± 13	± 16	
24	24	-29	-33	-41	-20	-25	-34	-20	-25	-34	-41	± 5	± 7	± 11	± 14	± 17	-2
	30	-36	-41	-50	-25	-30	-39	-25	-30	-39	-47	± 5.5	± 8	± 12	± 15	± 18	
40	40	-45	-50	-60	-30	-36	-45	-30	-36	-45	-54	± 6	± 8	± 12	± 15	± 18	-2
	50	-54	-60	-70	-36	-42	-54	-36	-42	-54	-63	± 6.5	± 9	± 13	± 16	± 19	
50	50	-63	-69	-80	-42	-48	-60	-42	-48	-60	-70	± 7	± 9	± 14	± 17	± 20	-2
	65	-75	-82	-95	-50	-57	-70	-50	-57	-70	-80	± 7.5	± 9.5	± 15	± 18	± 21	
80	80	-84	-91	-105	-57	-64	-78	-57	-64	-78	-88	± 8	± 10	± 15	± 18	± 21	-2
	100	-96	-104	-120	-66	-74	-88	-66	-74	-88	-100	± 8.5	± 11	± 16	± 19	± 22	
120	120	-108	-116	-132	-75	-84	-99	-75	-84	-99	-110	± 9	± 12	± 17	± 20	± 23	-2
	140	-120	-128	-145	-84	-93	-108	-84	-93	-108	-120	± 9.5	± 12.5	± 17.5	± 21	± 24	
160	160	-132	-140	-156	-93	-102	-117	-93	-102	-117	-128	± 10	± 13	± 18	± 21	± 24	-2
	180	-144	-152	-168	-102	-111	-126	-102	-111	-126	-138	± 10.5	± 13.5	± 18.5	± 22	± 25	

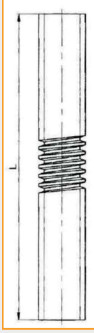
公称轴径 mm	轴径公差 Shaft Diameter Tolerance μm																Over
	Incl	f5	f6	f7	g5	g6	g7	h5	h6	h7	h8	js5	js6	js7	js8	js9	
-	3	-6 -10	-8 -12	-16	-2 -6	-8 -12	-14	-4 -8	0 +6	+10 +14	0 +4	+6 +10	-4 +6	+2 +4	-2 +4	-4 +6	+8 +12
	6	-15 -19	-18 -22	-22	-9 -13	-12 -16	-14	-5 -9	+6 +10	+12 +16	0 +4	+8 +12	+4 +8	+6 +10	-2 +4	-4 +6	+10 +14
3	6	-19 -22	-22 -28	-28	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
	10	-24 -27	-27 -34	-34	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
14	14	-16 -19	-19 -24	-24	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
	18	-20 -23	-23 -30	-30	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
24	24	-29 -33	-33 -41	-41	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
	30	-36 -41	-41 -50	-50	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
30	40	-45 -50	-50 -60	-60	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
	50	-54 -60	-60 -70	-70	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
50	65	-30 -43	-43 -49	-49	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
	80	-36 -49	-49 -58	-58	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
80	100	-36 -51	-51 -60	-60	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
	120	-42 -57	-57 -66	-66	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
120	140	-48 -63	-63 -72	-72	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
	160	-54 -69	-69 -78	-78	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20
160	180	-60 -75	-75 -84	-84	-6 -9	-9 -12	-14	-10 -13	+6 +10	+12 +16	+9 +13	+15 +19	+7 +11	+4 +8	+4 +7	-5 +1	+16 +20

乳梯形螺纹规格: TM
最长可提供12米长

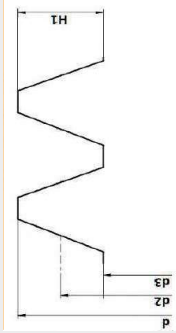
材质: C45

Roller Trapezoidal Thread Screw: TM

Maximum Length of 12 meters. All models are made of C45 medium carbon steel or according to customer's requirements.



TM



圆螺母: TMS

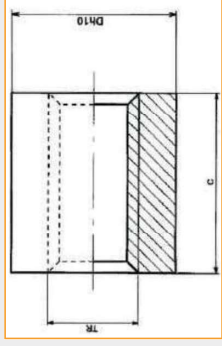
材质: 青铜或黄铜

Round Nuts – TMS

All models are made of Bronze Brass or according to customer's requirement.



TMS



规格 TM	重量 Weight (g)	主要尺寸和公差 Major dimensions and tolerance										公差 Tolerance μm/300mm	直线度 Max Straightness mm/300	螺旋角 Lead Angle mm
		d max	d min	d2 max	d2 min	d3 max	d3 min	d3 max	d3 min	mm	mm			
TM10x2	0.482	10	9.820	8.929	8.739	7.500	6.890	200	0.5	4° 07'				
TM10x4-P2	0.48	10	9.820	8.929	8.739	7.500	6.890	300	0.5	8° 12'				
TM12x6-P2	0.653	12	11.764	10.873	10.683	9.444	8.834	300	0.5	10° 30'				
TM14x3	0.932	14	13.764	12.415	12.191	10.500	9.685	200	0.5	4° 26'				
TM14x6-P3	0.932	14	13.764	12.415	12.191	10.500	9.685	300	0.5	8° 49'				
TM16x4	1.173	16	15.700	13.905	13.640	11.500	10.474	50	0.5	5° 16'				
TM16x6-P4	1.173	16	15.700	13.905	13.640	11.500	10.474	100	0.5	10° 29'				
TM18x4	1.528	18	17.700	15.905	15.640	13.500	12.474	50	0.5	4° 36'				
TM18x8-P4	1.528	18	17.700	15.905	15.608	13.500	12.474	100	0.5	9° 20'				
TM20x4	1.940	20	19.700	17.905	17.640	15.500	14.474	50	0.5	4° 05'				
TM20x8-P4	1.940	20	19.700	17.905	17.608	15.500	14.474	100	0.5	8° 09'				
TM22x5	2.294	22	21.665	19.394	19.114	16.500	15.294	50	0.2	4° 43'				
TM22x10-P5	2.294	22	21.665	19.394	19.080	16.500	15.294	200	0.3	9° 23'				
TM24x5	2.781	24	23.665	21.394	21.094	18.500	17.269	50	0.2	4° 17'				
TM24x10-P5	2.781	24	23.665	21.394	21.058	18.500	17.269	200	0.3	8° 31'				
TM26x5	3.329	26	25.665	23.394	23.094	20.500	19.269	50	0.2	3° 55'				
TM26x10-P5	3.329	26	25.665	23.394	23.058	20.500	19.269	200	0.3	7° 48'				
TM28x5	3.905	28	27.665	25.394	25.058	22.500	21.269	50	0.2	3° 36'				
TM28x10-P5	3.905	28	27.665	25.394	25.058	22.500	21.269	200	0.3	7° 12'				
TM30x6	4.358	30	29.625	26.882	26.547	23.000	21.563	70	0.2	4° 05'				
TM30x12-P6	4.358	30	29.625	26.882	26.507	23.000	21.563	200	0.3	8° 08'				
TM32x6	5.038	32	31.625	28.882	28.547	25.000	23.563	70	0.2	3° 48'				
TM32x12-P6	5.038	32	31.625	28.882	28.507	25.000	23.563	200	0.3	7° 34'				
TM36x6	6.548	36	35.625	32.882	32.547	29.000	27.563	70	0.2	3° 20'				
TM36x12-P6	6.548	36	35.625	32.882	32.507	29.000	27.563	200	0.3	6° 39'				
TM40x7	7.983	40	39.575	36.375	36.020	32.000	30.381	80	0.2	3° 31'				
TM40x14-P7	7.983	40	39.575	36.375	35.978	32.000	30.381	200	0.3	7° 01'				
TM44x7	9.656	44	43.575	40.375	40.020	36.000	34.381	80	0.2	3° 48'				
TM44x14-P7	9.656	44	43.575	40.375	39.978	36.000	34.381	200	0.2	6° 20'				
TM50x8	12.696	50	49.500	45.868	45.468	41.000	39.168	100	0.2	3° 11'				
TM55x9	15.400	55	54.500	50.360	49.935	45.000	42.979	100	0.2	3° 16'				
TM60x9	18.498	60	59.500	55.360	54.935	50.000	47.979	100	0.2	2° 58'				
TM70x10	25.627	70	69.470	64.350	64.425	59.000	56.819	100	0.4	2° 49'				
TM80x10	34.189	80	79.470	74.350	74.425	69.000	66.819	100	0.4	2° 27'				

单头 Single Start						双头 Double Start					
规格 Size	D mm	C mm	受力面积 Contact Surface mm ²	重量 Weight kg	规格 Size	D mm	C mm	受力面积 Contact Surface mm ²	重量 Weight kg	规格 Size	D mm
TM510x2	22	20	200	0.053	TR12x6-P3	26	24	280	0.083		
TM510x3	23	20	—	0.053	TR16x6-P3	30	28	380	0.135		
TM512x3	23	24	200	0.082	TR18x6-P4	36	32	490	0.232		
TM514x3	31	28	380	0.135	TR20x6-P4	40	36	630	0.450		
TM514x3	31	28	—	0.135	TR20x6-P4	45	40	790	0.480		
TM516x4	36	32	490	0.232	TR24x10-P5	45	40	790	0.480		
TM518x4	40	36	630	0.320	TR24x10-P5	50	48	1130	0.656		
TM520x4	45	40	790	0.455	TR26x10-P5	50	52	1340	0.670		
TM522x5	45	44	940	0.480	TR28x10-P5	60	56	1570	1.102		
TM524x5	45	48	940	0.480	TR30x12-P6	60	60	1780	1.140		
TM524x5	50	52	1340	0.656	TR30x12-P6	60	60	1780	1.140		
TM526x5	50	56	1570	1.102	TR36x12-P6	75	64	1910	2.189		
TM530x6	60	60	1780	1.140	TR40x14-P7	80	72	2610	2.725		
TM532x6	60	64	1910	1.177	TR50x16-P8	90	80	3210	4.014		
TM536x6	75	72	2610	2.189							
TM540x7	80	80	3210	2.725							
TM544x7	80	84	3560	2.815							
TM550x9	90	100	5060	4.015							
TM560x9	100	120	7320	5.150							
TM570x10	110	140	10000	7.805							
TM580x10	122	160	—	8.400							

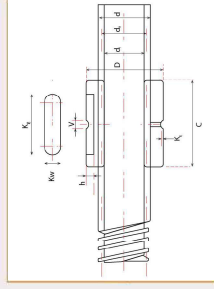
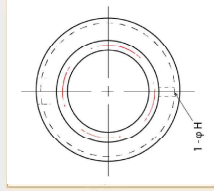
国际单位: 1N=0.225lbs
1kg=2.205lbs
SIUNIT: 1N=0.225lbs
1kg=2.205lbs

圆螺母: TMS-OH

材质: 青铜或黄铜

Round Nut (Oil Port Installed) : TMS-OH

All models are made of Bronze, Brass or according to customer's requirement.



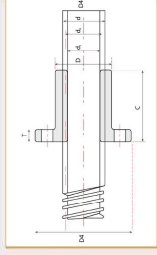
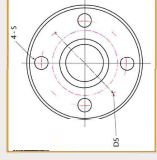
TMS-OH

圆螺母: TMF

材质: 青铜或黄铜

Round Nuts - TMF

All models are made of Bronze, Brass or according to customer's requirement.



TMF

规格 TMS-OH	重量 Weight (g)	Pitch	D	Dh8	C	Kw	Ke	h	H	V	r	Kt	FA(kN)	d0	d1	a
TMS10-OH	0.04	2	10	20	20	4	14	2	1.5	2.5	1.8	0.5	1	9	7.5	4
TMS10L-OH	0.04	2	10	20	20	4	14	2	1.5	2.5	1.8	0.5	1	9	7.5	4
TMS12-OH	0.05	2	12	22	22	4	16	2	1.5	2.5	1.8	0.5	1.3	11	9.5	3
TMS14-OH	0.05	3	14	22	22	4	16	2	1.5	2.5	1.8	0.5	1.6	12.5	10.5	4
TMS14L-OH	0.05	3	14	22	22	4	16	2	1.5	2.5	1.8	0.5	1.6	12.5	10.5	4
TMS16-OH	0.1	3	16	28	26	5	18	2.5	1.5	2.5	1.8	0.5	2.3	14.5	12.5	3
TMS16L-OH	0.1	3	16	28	26	5	18	2.5	1.5	2.5	1.8	0.5	2.3	14.5	12.5	3
TMS18-OH	0.16	4	18	32	31	7	22	2.5	2	3	2.5	0.5	3.1	16	13.5	4
TMS18L-OH	0.16	4	18	32	31	7	22	2.5	2	3	2.5	0.5	3.1	16	13.5	4
TMS20-OH	0.15	4	20	32	31	7	22	2.5	2	3	2.5	0.5	3.5	18	15.5	4
TMS20L-OH	0.15	4	20	32	31	7	22	2.5	2	3	2.5	0.5	3.5	18	15.5	4
TMS22-OH	0.24	5	22	36	40	7	26	2.5	2.5	3.5	2.5	0.7	4.5	19.5	16.5	4
TMS22L-OH	0.24	5	22	36	40	7	26	2.5	2.5	3.5	2.5	0.7	4.5	19.5	16.5	4
TMS25-OH	0.21	5	25	36	40	7	26	2.5	2.5	3.5	2.5	0.7	5.1	22.5	19.5	4
TMS25L-OH	0.21	5	25	36	40	7	26	2.5	2.5	3.5	2.5	0.7	5.1	22.5	19.5	4
TMS28-OH	0.39	5	28	44	45	10	32	4	2.5	3.5	2.5	0.7	6.6	25.5	22.5	3
TMS28L-OH	0.39	5	28	44	45	10	32	4	2.5	3.5	2.5	0.7	6.6	25.5	22.5	3
TMS32-OH	0.32	6	32	44	45	10	32	4	2.5	3.5	2.5	0.7	7.7	29	25.5	3
TMS32L-OH	0.32	6	32	44	45	10	32	4	2.5	3.5	2.5	0.7	7.7	29	25.5	3
TMS36-OH	0.53	6	36	52	49	12	40	4.5	3	4	3.2	0.7	9.6	33	29.5	3
TMS36L-OH	0.53	6	36	52	49	12	40	4.5	3	4	3.2	0.7	9.6	33	29.5	3
TMS40-OH	0.72	6	40	58	57	12	42	5	3	4	3.2	0.7	12.7	37	33.5	2
TMS40L-OH	0.72	6	40	58	57	12	42	5	3	4	3.2	0.7	12.7	37	33.5	2

规格 TMF	重量 Weight (g)	D4	Pitch	D	Dh8	D5	C	T	N	S	H	V	r	Kt	FA(kN)	d0	d1	a
TMF10	0.04	36	2	10	20	26	24	5	6	4.3	1.5	2.5	1.8	0.5	1.2	9	7.5	0.6
TMF10L	0.04	36	2	10	20	26	24	5	6	4.3	1.5	2.5	1.8	0.5	1.2	9	7.5	0.6
TMF12	0.05	44	2	12	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	1.9	11	9.5	0.8
TMF12L	0.05	44	2	12	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	1.9	11	9.5	0.8
TMF14	0.05	44	3	14	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	2.3	12.5	10.5	1
TMF14L	0.05	44	3	14	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	2.3	12.5	10.5	1
TMF16	0.1	51	3	16	28	38	35	6	8	6.6	1.5	2.5	1.8	0.5	3.1	14.5	12.5	1.3
TMF16L	0.1	51	3	16	28	38	35	6	8	6.6	1.5	2.5	1.8	0.5	3.1	14.5	12.5	1.3
TMF18	0.16	56	4	18	32	42	40	6	10.5	6.6	2	3	2.5	0.5	4.1	16	13.5	1.6
TMF18L	0.16	56	4	18	32	42	40	6	10.5	6.6	2	3	2.5	0.5	4.1	16	13.5	1.6
TMF20	0.15	56	4	20	32	42	40	6	10.5	6.6	2	3	2.5	0.5	4.6	18	15.5	2
TMF20L	0.15	56	4	20	32	42	40	6	10.5	6.6	2	3	2.5	0.5	4.6	18	15.5	2
TMF22	0.24	61	5	22	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	5.8	19.5	16.5	2.3
TMF22L	0.24	61	5	22	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	5.8	19.5	16.5	2.3
TMF25	0.21	61	5	25	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	6.6	22.5	19.5	3.1
TMF25L	0.21	61	5	25	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	6.6	22.5	19.5	3.1
TMF28	0.39	76	6	28	44	58	56	8	15	9	2.5	3.5	2.5	0.7	9.5	25.5	22.5	4
TMF28L	0.39	76	6	28	44	58	56	8	15	9	2.5	3.5	2.5	0.7	9.5	25.5	22.5	4
TMF32	0.32	76	6	32	44	58	56	8	15	9	2.5	3.5	2.5	0.7	9.8	29	25.5	5.2
TMF32L	0.32	76	6	32	44	58	56	8	15	9	2.5	3.5	2.5	0.7	9.8	29	25.5	5.2
TMF36	0.53	84	6	36	52	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	6.7
TMF36L	0.53	84	6	36	52	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	6.7
TMF40	0.72	98	6	40	58	76	70	10	19	11	3	4	3.2	0.7	16	37	33.5	8.4
TMF40L	0.72	98	6	40	58	76	70	10	19	11	3	4	3.2	0.7	16	37	33.5	8.4

国际单位: 1N=0.225lbs
1kg=2.205lbs

SIUNIT: 1N=0.225lbs
1kg=2.205lbs

凶塚母, IIVF-011
材质: 青铜或黄铜

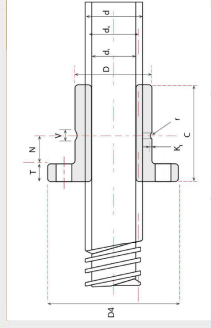
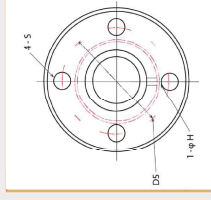
材质: 青铜或黄铜

Round Nut (Oil Port Installed) : TMF-OH
All models are made of Bronze, Brass

or according to customer's requirement.



TMF-OH



圆螺母: TMK

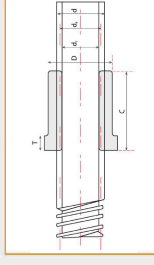
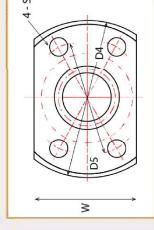
四素母:IMK
材質:青銅或青銅

Round Nuts - TMK

Round Nuts - 1/4" x 1/2"
All models are made of Bronze, Brass or according to customer's requirement.



TMK



致粉 TMF-OH	重量 Weight [g]	D4	Pitch	D4b	D5	C	T	N	S	H	V	r	Kt	FA(kN)	d0	d1	a	
TMF10-OH	0.04	36	2	10	20	26	24	5	6	4.3	1.5	2.5	1.8	0.5	1.2	9	7.5	0.6
TMF12-OH	0.04	36	2	10	20	26	24	5	6	4.3	1.5	2.5	1.8	0.5	1.2	9	7.5	0.6
TMF12-OH	0.05	44	2	12	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	1.9	11	9.5	0.8
TMF12-OH	0.05	44	2	12	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	1.9	11	9.5	0.8
TMF14-OH	0.05	44	3	14	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	2.3	12.5	10.5	1
TMF14-OH	0.05	44	3	14	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	2.3	12.5	10.5	1
TMF14-OH	0.05	44	3	14	22	31	30	5	7	5.4	1.5	2.5	1.8	0.5	2.3	12.5	10.5	1
TMF16-OH	0.1	51	3	16	28	38	35	8	8	6.6	1.5	2.5	1.8	0.5	3.1	14.5	12.5	1.3
TMF16-OH	0.1	51	3	16	28	38	35	8	8	6.6	1.5	2.5	1.8	0.5	3.1	14.5	12.5	1.3
TMF18-OH	0.16	56	4	18	32	42	40	6	10.5	6.6	2	3	2.5	0.5	4.1	16	13.5	1.6
TMF18-OH	0.16	56	4	18	32	42	40	6	10.5	6.6	2	3	2.5	0.5	4.1	16	13.5	1.6
TMF20-OH	0.15	56	4	20	32	42	40	6	10.5	6.6	2	3	2.5	0.5	4.6	18	15.5	2
TMF20-OH	0.15	56	4	20	32	42	40	6	10.5	6.6	2	3	2.5	0.5	4.6	18	15.5	2
TMF22-OH	0.24	61	5	22	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	5.8	19.5	16.5	2.3
TMF22-OH	0.24	61	5	22	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	5.8	19.5	16.5	2.3
TMF22-OH	0.21	61	5	22	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	5.8	19.5	16.5	2.3
TMF25-OH	0.31	61	5	25	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	6.6	22.2	19.5	3.1
TMF25-OH	0.31	61	5	25	36	47	50	7	14	6.6	2.5	3.5	2.5	0.7	6.6	22.2	19.5	3.1
TMF28-OH	0.39	76	5	28	44	58	56	8	15	9	2.5	3.5	2.5	0.7	8.5	22.5	22.5	4
TMF28-OH	0.39	76	5	28	44	58	56	8	15	9	2.5	3.5	2.5	0.7	8.5	22.5	22.5	4
TMF32-OH	0.32	76	6	32	44	58	56	8	15	9	2.5	3.5	2.5	0.7	9.8	29	25.5	5.2
TMF32-OH	0.32	76	6	32	44	58	56	8	15	9	2.5	3.5	2.5	0.7	9.8	29	25.5	5.2
TMF36-OH	0.53	84	6	36	52	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	6.7
TMF36-OH	0.53	84	6	36	52	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	6.7
TMF36-OH	0.53	84	6	36	52	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	6.7
TMF40-OH	0.72	98	6	40	58	76	70	10	19	11	3	4	3.2	0.7	16	37	33.5	8.4
TMF40-OH	0.72	98	6	40	58	76	70	10	19	11	3	4	3.2	0.7	16	37	33.5	8.4

规格 TMK	重量 (g)	TMK系列																	
		D4	Pitch	D	Dh8	D5	C	W	T	N	S	H	V	r	Kt	FA(°N)	d0	d1	a
TMK10	0.05	36	2	10	20	26	24	22	5	6	43	1.5	2.5	1.8	0.5	1.2	9	7.5	4
TMK10L	0.05	36	2	12	20	26	24	22	5	6	43	1.5	2.5	1.8	0.5	1.2	9	7.5	4
TMK12	0.08	44	2	10	22	31	30	24	5	7	54	1.5	2.5	1.8	0.5	1.9	11	9.5	3
TMK12L	0.08	44	2	12	22	31	30	24	5	7	54	1.5	2.5	1.8	0.5	1.9	11	9.5	3
TMK14	1	44	3	14	22	31	30	24	5	7	54	1.5	2.5	1.8	0.5	2.3	12.5	10.5	4
TMK14L	1	44	3	14	22	31	30	24	5	7	54	1.5	2.5	1.8	0.5	2.3	12.5	10.5	4
TMK16	1.3	51	3	16	28	38	35	30	6	8	66	1.5	2.5	1.8	0.5	3.1	14.5	12.5	3
TMK16L	1.3	51	3	16	28	38	35	30	6	8	66	1.5	2.5	1.8	0.5	3.1	14.5	12.5	3
TMK18	1.6	56	4	18	32	42	40	34	6	10.5	6.6	2	3	2.5	0.5	4.1	16	13.5	4
TMK18L	1.6	56	4	18	32	42	40	34	6	10.5	6.6	2	3	2.5	0.5	4.1	16	13.5	4
TMK20	2	56	4	20	32	42	40	34	6	10.5	6.6	2	3	2.5	0.5	4.6	18	15.5	4
TMK20L	2	56	4	20	32	42	40	34	6	10.5	6.6	2	3	2.5	0.5	4.6	18	15.5	4
TMK22	2.3	61	5	22	36	47	50	40	7	14	66	2.5	3.5	2.5	0.7	5.8	19.5	16.5	4
TMK22L	2.3	61	5	22	36	47	50	40	7	14	66	2.5	3.5	2.5	0.7	5.8	19.5	16.5	4
TMK24	3	61	5	25	38	47	50	40	7	14	66	2.5	3.5	2.5	0.7	6.6	22.5	19.5	4
TMK25L	3.1	61	5	25	38	47	50	40	7	14	66	2.5	3.5	2.5	0.7	6.6	22.5	19.5	4
TMK28	4	76	5	28	44	58	56	48	8	15	9	2.5	3.5	2.5	0.7	8.5	22.5	22.5	3
TMK28L	4	76	5	28	44	58	56	48	8	15	9	2.5	3.5	2.5	0.7	8.5	22.5	22.5	3
TMK32	5.2	76	6	32	44	58	56	48	8	15	9	2.5	3.5	2.5	0.7	9.8	29	25.5	3
TMK32L	5.2	76	6	32	44	58	56	48	8	15	9	2.5	3.5	2.5	0.7	9.8	29	25.5	3
TMK36	5.7	84	6	36	52	66	60	56	8	17	9	3	4	3.2	0.7	12	33	29.5	3
TMK36L	5.7	84	6	36	52	66	60	56	8	17	9	3	4	3.2	0.7	12	33	29.5	3
TMK40	8.4	98	6	40	58	76	70	64	10	19	11	3	4	3.2	0.7	16	37	33.5	2
TMK40L	8.4	98	6	40	58	76	70	64	10	19	11	3	4	3.2	0.7	16	37	33.5	2

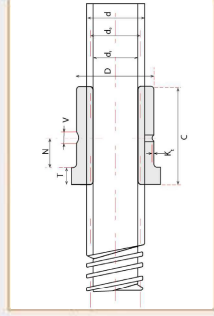
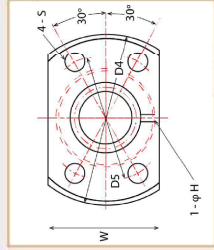
圆螺母: TMK-OH

材质: 青铜或黄铜

Round Nut (Oil Port Installed): TMK-OH

All models are made of Bronze, Brass

or according to customer's requirement.



TMK-OH

规格 TMK-OH	重量 Weight (g)	D4	Pitch	D	Dh8	D5	C	W	T	N	S	H	V	r	Kt	FA(kN)	d0	d1	■
TMK10-OH	007	36	2	10	20	26	24	22	5	6	4.3	1.5	2.5	1.8	0.5	1.2	9	7.5	4
TMK12-OH	007	36	2	10	20	26	24	22	5	6	4.3	1.5	2.5	1.8	0.5	1.2	9	7.5	4
TMK14-OH	009	44	3	12	22	31	30	24	5	7	5.4	1.5	2.5	1.8	0.5	1.9	11	9.5	3
TMK16-OH	009	44	3	14	22	31	30	24	5	7	5.4	1.5	2.5	1.8	0.5	2.3	12.5	10.5	4
TMK18-OH	018	51	3	16	28	38	35	30	6	8	6.6	1.5	2.5	1.8	0.5	3.1	14.5	12.5	3
TMK20-OH	023	56	4	18	32	42	40	34	6	10.5	6.6	2	3	2.5	0.5	4.1	16	13.5	4
TMK22-OH	023	56	4	20	32	42	40	34	6	10.5	6.6	2	3	2.5	0.5	4.6	18	15.5	4
TMK24-OH	038	61	5	22	36	47	50	40	7	14	6.6	2.5	3.5	2.5	0.7	5.8	19.5	16.5	4
TMK26-OH	031	61	5	24	36	47	50	40	7	14	6.6	2.5	3.5	2.5	0.7	6.6	22.5	19.5	4
TMK28-OH	057	76	6	28	44	58	56	48	8	15	9	2.5	3.5	2.5	0.7	8.3	22.5	22.5	3
TMK30-OH	052	76	6	30	44	58	56	48	8	15	9	2.5	3.5	2.5	0.7	8.3	22.5	22.5	3
TMK32-OH	052	76	6	32	44	58	56	48	8	15	9	2.5	3.5	2.5	0.7	9.8	29	25.5	3
TMK36-OH	076	84	6	36	52	66	60	56	8	17	9	3	4	3.2	0.7	12	33	29.5	3
TMK40-OH	109	98	6	40	58	76	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	3
TMK48-OH	109	98	6	48	58	76	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	3
TMK60-OH	109	98	6	60	58	76	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	3
TMK80-OH	109	98	6	80	58	76	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	3
TMK100-OH	109	98	6	100	58	76	66	60	8	17	9	3	4	3.2	0.7	12	33	29.5	3

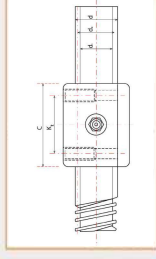
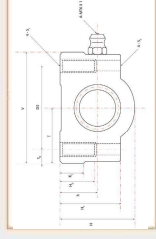
箱式单元: TMH

材质: 青铜或黄铜

Slide Unit: TMH

All models are made of Bronze, Brass

or according to customer's requirement.



TMH

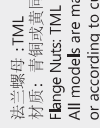
规格 TMH	重量 Weight (g)	D4	Pitch	D	Dh8	D5	C	T	N	S	H	V	r	Kt	FA(kN)	d0	d1	■
TMH12	12	38	2	12	11	26	6	19	6	30	20	M5	M4	1.9	0.14	9.5	3	0.8
TMH12L	12	38	2	12	11	26	6	19	6	30	20	M5	M4	1.9	0.14	9.5	3	0.8
TMH16	16	44	3	16	14	32	6	22	8	35	24	M5	M4	3.1	0.25	12.5	3	1.3
TMH16L	16	44	3	16	14	32	6	22	8	35	24	M5	M4	3.1	0.25	12.5	3	1.3
TMH20	20	48	4	20	16	36	6	24	10	40	28	M6	M4	4.6	0.35	15.5	4	2
TMH20L	20	48	4	20	16	36	6	24	10	40	28	M6	M4	4.6	0.35	15.5	4	2
TMH25	25	62	5	25	20	46	8	31	12	50	34	M8	M6	6.6	0.7	19.5	4	3.1
TMH25L	25	62	5	25	20	46	8	31	12	50	34	M8	M6	6.6	0.7	19.5	4	3.1
TMH32	32	68	6	32	25	52	8	34	14	56	40	M8	M6	9.8	1.02	25.5	3	5.2
TMH32L	32	68	6	32	25	52	8	34	14	56	40	M8	M6	9.8	1.02	25.5	3	5.2

国际单位: 1N=0.225lbf

1kg=2.205lbf

SIUNIT: 1N=0.225lbf

1kg=2.205lbf



法兰螺母: TML
材质: 青铜或黄铜



法兰螺母: TML
材质: 青铜或黄铜



法兰螺母: TMF-6
材质: 青铜或黄铜

Flange Nuts - TMF-6
All models are made of Bronze, Brass
or according to customer's requirement.

TMF-6

规格 Size	D	L	d	L1
TML12x3	42	20	24	13
TML15x3	49	32	40	22
TML16x3	49	32	40	22
TML18x4	49	32	40	22
TML20x4	49	32	40	22
TML22x5	49	32	40	22
TML24x5	49	32	40	22
TML28x5	64	40	50	20
TML30x6	64	40	50	20
TML32x6	64	40	50	20
TML36x6	84	60	70	40
TML40x7	84	60	70	40
TML50x8	109	75	90	50
TML60x9	109	75	90	50

[illegible]

国际单位: $1\text{N} \approx 0.225\text{lbs}$
 $1\text{kg} \approx 2.205\text{lbs}$
 SIUNIT: $1\text{N} \approx 0.225\text{lbs}$
 $1\text{kg} \approx 2.205\text{lbs}$

钢法兰青铜螺母: TMFS

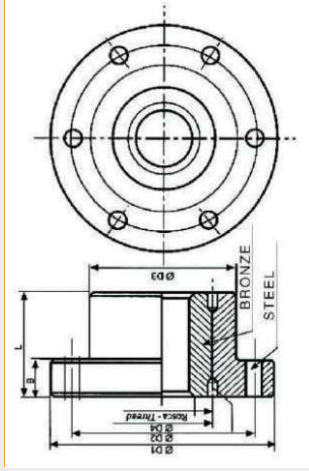
材质: 45#钢+青铜

Flange Nuts: TMFS

All models are made of C45 and Bronze



TMFS



圆螺母: TMSC

材质: 易切削钢、45#钢

Round Nuts - TMSC

All models are made of C45, Free cutting steel or according to customer's requirement



TMSC

规格 Size	D1	D2	D3	D4	L	B	Drilling Anchoring
TMFS16x4	60	50	38	25	25	10	3 x $\phi 6.5$
TMFS20x4	70	55	42	30	30	12	4 x $\phi 6.5$
TMFS24x5	80	65	52	35	37	12	4 x $\phi 6.5$
TMFS30x6	100	82	65	45	45	16	4 x $\phi 6.5$
TMFS40x7	110	93	75	55	60	16	6 x $\phi 8.5$
TMFS50x8	135	113	90	65	75	18	6 x $\phi 10.5$
TMFS60x9	155	129	105	75	90	22	6 x $\phi 12.5$

单头 Single Start					双头 Double Start				
规格 Size	D mm	C mm	接触面积 Contact Surface mm ²	重量 Weight kg	D mm	C mm	规格 Size	D mm	C mm
TMSC10x2	22	15	150	0.037	22	20	TMSC12x6-P3	26	18
TMSC10x3	22	15	-	0.037	22	20	TMSC14x6-P3	30	21
TMSC12x3	26	18	210	0.033	26	24	TMSC16x8-P4	36	24
TMSC14x3	30	21	285	0.067	30	28	TMSC18x8-P4	40	27
TMSC14x4	30	21	-	0.067	30	28	TMSC20x8-P4	45	30
TMSC16x4	36	24	365	0.087	36	32	TMSC24x10-P5	50	36
TMSC18x4	40	27	470	0.133	40	36	TMSC30x12-P6	60	45
TMSC20x4	45	30	590	0.180	45	40	TMSC36x12-P6	75	54
TMSC22x5	45	33	700	0.186	45	44	TMSC40x14-P7	80	60
TMSC24x5	50	36	845	0.257	50	48			
TMSC26x5	50	39	1005	0.258	50	52			
TMSC28x5	60	42	1175	0.363	60	60			
TMSC30x6	60	45	1335	0.491	60	60			
TMSC32x6	60	48	1430	0.646	60	64			
TMSC36x6	75	54	1950	0.836	75	72			
TMSC40x7	80	60	2400	0.852	80	80			
TMSC44x7	80	66	2940	1.068	80	88			
TMSC50x8	90	75	3790	1.623	90	100			
TMSC60x9	100	90	5490	2.816	100	120			
TMSC70x10	110	100	7240	3.561	110	140			
TMSC80x10	120	110	8900	3.561	120	160			

国际单位: 1N=0.225lbs

1kg=2.205lbs

SIUNIT: 1N=0.225lbs

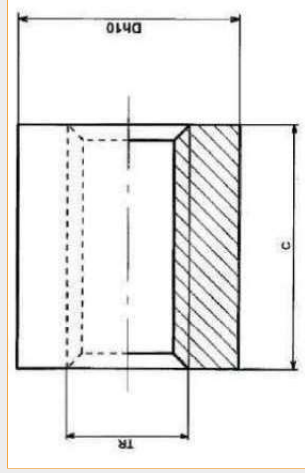
1kg=2.205lbs

聚甲醛圆螺母：PRD
材质：聚甲醛

Flange Nuts: PRD
All models are made of POM
or according to customer's requirement.



POM



单头 Single Start				双头 Double Start			
规格 Size	H mm	C mm	受力面积 Contact Surface mm	规格 Size	H mm	C mm	受力面积 Contact Surface mm
TR10x2	22	20	200	TR12x6-P3	26	24	280
TR10x3	23	20	-	TR14x6-P3	30	28	380
TR12x3	26	24	280	TR16x8-P4	36	32	490
TR14x3	30	28	380	TR18x8-P4	40	36	630
TR14x3	31	28	-	TR20x8-P4	45	40	790
TR16x4	36	32	490	TR22x10-P5	45	44	940
TR18x4	40	36	630	TR24x10-P5	50	48	1130
TR20x4	45	40	790	TR26x10-P5	50	52	1340
TR22x5	45	44	940	TR28x10-P5	60	56	1570
TR24x5	50	48	1130	TR30x12-P6	60	60	1780
TR26x5	50	52	1340	TR32x12-P6	60	64	1910
TR28x5	60	56	1570	TR36x12-P6	75	72	2610
TR30x6	60	60	1780	TR40x14-P7	80	80	3210
TR32x6	60	64	1910	TR50x16-P8	90	100	5060
TR36x6	75	72	2610				
TR40x7	80	80	3210				
TR44x7	80	88	3920				
TR50x8	90	100	5060				
TR60x9	100	120	7320				
TR70x10	110	140	10000				
TR80x10	122	160	-				



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