COUP-LINK®
卡普菱(联轴器 支撑座 模组)

总公司地址：广州市天河路242号丰兴广场B栋2606－2609室

电话: 020-38395380/1/2/3　38395475/6/8/9

传真: 020-38395480

HEADQUARTER:

GUANGZHOU LINK AUTOMATION EQUIPMENT CO.,LTD

ADDRESS:

2606-2609 Room ,B Building,Feng Xing Square,No.242 Tian He Road Guangzhou.China.

TEL:

0086-20-38395380/1/2/3　38395475/6/8/9

FAX:

0086-20-38395480

广州菱科·微商城

广州菱科 抖音二维码

Http://www.gzlink.com

E-mail:Link@gzlink.com

东莞办事处：东莞市南城区元美路华凯广场A座10楼1001室

电话：0769-23668471 22387390 22464915

传真：0769-23668472

COUP-LINK® 卡普菱® 联轴器&支撑座 Coupling&SupportUnit

COUP-LINK®
卡普菱(联轴器 支撑座 模组)

2023.菱.I版

联轴器&支撑座
Coupling&SupportUnit

匠心打造 COUP-LINK品牌创建于1998年

广州菱科自动化设备有限公司
Guangzhou Link Automation Equipment Co.,Ltd

COUP-LINK®

卡普菱(联轴器 支撑座 模组)

匠心打造 品牌创建1998年

公司简介

广州菱科自动化设备有限公司创建于1998年，拥有独立的“菱科产业园”，为一家联轴器、丝杆支撑座及运动模组的生产企业，主要从事高精密联轴器、丝杆支撑座及运动模组的生产，产品包括：伺服电机联轴器、步进电机联轴器、微型电机联轴器、编码器联轴器、丝杆支撑座及运动模组等。公司拥有先进的工艺技术和设计研究开发群体，精良的加工、检测设备，严格的质量保证体系并通过IS09001:2015质量管理体系认证,所有产品同时通过ROHS环保认证。到目前为止，公司拥有二十多个产品系列，广泛用于电子设备，光伏设备，锂电池设备，数控机床，包装设备，注塑机等行业的高精密联接及各种自动化生产设备，产品已销售至日本、美国、德国、以色列、马来西亚、新加波、中国台湾等地，并在日本，美国设有代理商。

PROFILE

Guangzhou LINK Automation Equipment Co., Ltd. is founded in 1998, located in its own independent "LINK Industrial Park", a professional manufacturer of developing and producing of high- precision couplings, ball screw support units, motor brackets and motion modules. Our coupling product lines include servo motor couplings, step motor couplings, micro motor couplings, encoder couplings and so on.

Advantages:
- Advanced technology
- Own Research & Development center
- In-house processing & test systems
- ISO 9001:2015 certification
- ROHS

So far, we have more than 30 product lines, which are widely used in high-precision connection and various automatic machines and equipmentsin the field of electronics, solar energy, photovoltaic industry, machine tools, packaging, molding, medical, print and other industries. The products have been approved and wided used by top-class customers in Japan, USA, Germany, Israel, Malaysia, Singapore, China, Taiwan globally.

PRODUCT
CATALOGUE
产品目录

PRODUCT
CATALOGUE
产品目录

PRODUCT
CATALOGUE
产品目录

PRODUCT
CATALOGUE
产品目录

PRODUCT
CATALOGUE
产品目录

PRODUCT
CATALOGUE
产品目录

联轴器偏差说明

1、 弹性联轴器可传递扭矩和回转角度，同时吸收轴的安装偏差，当安装偏差超过容许值时，可能会产生振动或导致联轴器的寿命缩短，因此要确保偏差的调整适当。

2、 轴的偏差有三种，分别是径向偏差、角向偏差和轴向偏差。请调整偏差，使其低于各产品规格表中列出的容许值。

3、 各产品所列之最大偏差容许值是指只有一种偏差存在的情况下，当两种或更多种偏差同时存在时，容许值应低于各规格表中最大偏差的1/2。

4、 偏差并不只有发生在设备装配，工作过程中的振动、热膨胀、轴承磨损等都会引起偏差。因此，建议将轴向偏差调整至低于最大值1/3。

Alignment Adjustment

1, Flexible couplings transmit torque and rotational angle while absorbing misalignment. When the misalignment exceeds allowable values, vibration may result or the life of the coupling may become shortened. Make sure to adjust the alignment accordingly.

2, There are three types of shaft misalignment, namely in terms of parallel misalignment, angular misalignment and shaft end-play . Adjust the alignment to be below allowable values listed in the specification table of each product provided in this catalog.

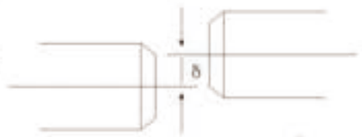
3, The maximum misalignment listed in this catalog is the allowable value when only one of the misalignments exists. In case two or more misalignments exist at the same time, the allowable values will be less than 1/2 of the maximum misalignment listed in the specification tables.

4, Misalignments are sometimes caused not only by equipment assembly, but also by vibration, heat expansion, wear of bearings, etc. during operation. Therefore, it is recommended to adjust the shaft misalignment to be below 1/3 of maximum values.

轴与轴联接过程出现的偏差说明：

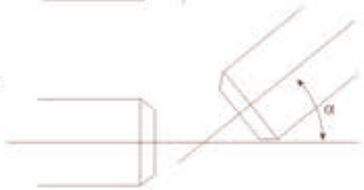
1 径向偏差 Parallel Offset Misalignment

安装时，两轴平行但中心线不在同一直线上，这时产生的偏差称为径向偏差。如右图：



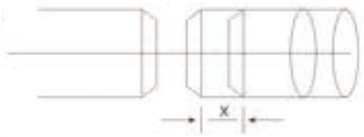
2 角向偏差 Symmetrical Angular Misalignment

安装时，两轴中心线互成一个角度，这时产生的偏差称为角向偏差，如右图：



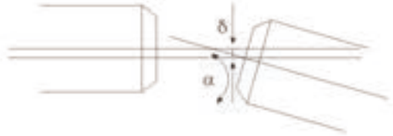
3 轴向偏差 End-Play

由于机械原因产生的轴间往复微动的偏差称为轴向偏差，如右图：



4 复合偏差 Combined Misalignment

由1，2，3所产生的偏差组合称为复合偏差。



计算力矩 Calculate Torque

1 **计算电机力矩** Calculate Motor Torque

当知道电机的功率（KW），而未知电机的力矩时，则可按以下公式计算电机的力矩

When we know the motor watt, we can caculate the motor torque using the following formula

$$\text{电机力矩T(N.m)} = \frac{\text{KW}\times 9550}{\text{rpm}}$$

Motor Torque T (N.m)

其中，功率（KW）是所需要的实际或传动功率（如果未知，则使用电机铭牌上的参数）。

The motor watt is the motor rated watt

常用电机功率与力矩转换一览表： Motor watt exchange motor torque table

力矩 Torque / 电机功率(KW) Motor Watt	电机额定转速 Rated Speed n=3000rpm 额定力矩T(N.m) Rated Torque	电机额定转速 Rated Speed n=2000rpm 额定力矩T(N.m) Rated Torque	电机额定转速 Rated Speed n=1000rpm 额定力矩T(N.m) Rated Torque	电机额定转速 Rated Speed n=750rpm 额定力矩T(N.m) Rated Torque
0.05	0.16	0.24	0.48	0.64
0.10	0.32	0.48	0.96	1.27
0.20	0.64	0.96	1.91	2.55
0.40	1.27	1.91	3.82	5.09
0.75	2.39	3.58	7.16	9.55
1.00	3.18	4.78	9.55	12.73
1.50	4.78	7.16	14.33	19.10
2.00	6.37	8.55	19.10	25.47
3.00	9.55	14.33	28.65	38.20
3.50	11.14	16.71	33.43	44.57
5.00	15.92	23.88	47.75	63.67
7.00	22.28	33.43	66.85	89.13

2 **工况系数表：** 计算出电机的传动力矩T之后，结合下面所推荐的各工况系数表，确定矫正系数K。

Service Factors: After calculate the motor torque, according to the table bellow, adjust the factor K.

负载系数K1 Load Character K1	
恒负载 Constant	K1=1.0
小变动负载 Small Fluctuations	K1=1.2
常变动负载 Medium Fluctuations	K1=1.7
大变动负载 Large Fluctuations	K1=2.1

运转时间系数K2 Operating Hours Factor K2		
每天运转时间 Hrs/day	≤ 2小时 2 Hour	K2=0.70
	≤ 4小时 4 Hour	K2=0.85
	≤ 8小时 8 Hour	K2=1.00
	≤16小时 16 Hour	K2=1.18
	≤24小时 24 Hour	K2=1.28

起动、停止频繁度系数K3 Start and braking frequency coefficient K3		
每小时起停系数 Operations/Hr	≤10次	K3=1.0
	≤30次	K3=1.1
	≤60次	K3=1.2
	≤120次	K3=1.5
	≤240次	K3=2.0

3 **联轴器力矩确定：**

当计算出电机的力矩及确定工况系数表的工况系数后，这时，所选联轴器扭矩可由下图公式算出：

Caculate Coupling Torque

When caculate the motor rated torque and select the adjustment factor, the coupling torque can caculate using the following formula.

$$T \geqslant T1 \times K1 \times K2 \times K3$$

T1：计算力矩　K2：运转时间系数

K1：负载系数　K3：起、停频繁度系数

T1：Motor rated torque　K2：Corrected coefficient by operating hours

K1：Operating coefficient by load character　K3：Corrected coefficient by starting and braking

联轴器固定方式 Attachment

常用联轴器固定方式有以下几种： Couplings Attachment Type:

1 **定位螺丝固定：** 两个定位螺丝间隔90° 对所固定的轴进行锁紧，是一种传统的固定方式，由于螺丝的前端与轴心接触，可能会造成轴心的损伤或拆卸困难。

Setscrew Type: Two setscrews have a angle of 90°,this low-cost type features the most conventional attachment .However, the point of setscrew may cause damage to the shaft and may be difficult to remove.

2 **夹紧螺丝固定：** 利用内六角螺栓拧紧的力量，使狭缝收缩，而将轴心紧紧夹持住。这种方式固定及拆卸方便，而且不会造成轴心的损坏，是一种很常用的固定方式。

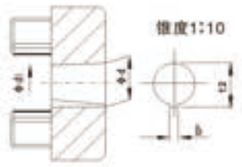
Clamp Type: This type is clamped on the shaft by tightening the socket head cap screws. Attachment and removal is easy, and no shaft damage results .

3 **键槽型：** 这种类型与定位螺丝固定型一样，是一种最传统的固定方式，适合高扭矩的传动，为防止轴向滑动，通常与定位螺丝固定型、夹紧螺丝固定型并用。

Keyway Type: This type, like the setscrew type , features the most conventional attachment and is used for transmitting relatively high torque, Setscrew/Clamp type hubs are applied for preventing shift towards the axial direction.

4 **复合固定方式：** 在联轴器的固定中，采用两种固定方式来进行联接固定称为复合固定方式。

Combination Type: This type is combined with setscrew type, clamp type or keyway type.



5 **锥轴型：** 这种类型的固定联接是通过锥形轴及键槽进行联接。

Cone Shaft Type: This type is through cone shaft and keyway connect.

6 **花键型：** 这种类型的固定联接是通过花键进行联接。

Spline Shaft Type: This type is through spline shaft connect.

LK1 系列
LK1 Series

使用注意事项:
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用设备实现高精度生产。万一联轴器受到强烈冲击时，可能会无法保持高精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧夹紧螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameter of the coupling is achieved by using special equipment. In case that the coupling is under strong impact, it may not be able to maintain high accuracy and be damaged in use, please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式:
INSTALLATION:

1.确认联轴器上的螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the bolts on the coupling are loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴。插入时，请勿在联轴器上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

3.在固定螺栓处于松开状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。

When the fixing bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it can not move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

LK1 系列
LK1 Series

I. 定位螺丝固定平行式
I. Setscrew Type(Parallel)

特点 Features

- 一体成型的金属弹性联轴器
- 适用较小力矩的轴联接
- 零回转间隙
- 弹性作用补偿径向、角向、轴向偏差
- 顺时针与逆时针回转特性完全相同
- 定位螺丝固定

- One-piece metallic spring coupling
- For little torque shaft connect
- Zero backlash
- Absorption of parallel, angular misalignments and shaft end-play by spring action
- Identical clockwise and anticlockwise rotational characteristics
- Setscrew type

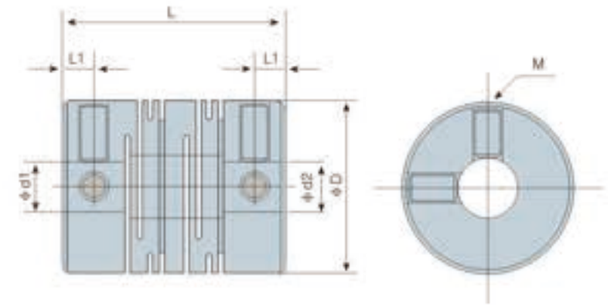
选型举例: Ordering Information

□LK1 — □ - □□ - □□
- d2轴径(大径): d2 Bore
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志:标准型,铝合金材料 Blank: Standard, Aluminum Alloy
- S:不锈钢型 S: Stainless Steel

例: LK1-17-05-06

LK1: 系列号，材料为铝合金
17: 外径尺寸: 17.5mm定位螺丝固定
05: d1轴径为: 05mm，孔公差为H8
06: d2轴径为: 06mm，孔公差为H8
孔径公称请按照d1（小径）- d2（大径）的顺序标示

Example: LK1-17-05-06
LK1: Series NO, Material: Aluminum Alloy
17: Outside Dia: 17. 5mm, Setscrew Type
05: d1 Bore: 05mm,H8
06: d2 Bore: 06mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1 · d2		ΦD	L	L1	M	拧紧力矩 Tightening Torque (N.m)
	最小孔径 Min-Bore	最大孔径 Max-Bore					
LK1-M15-□□-□□	3	6	15.5	21	2.6	M3	0.7
SLK1-M15-□□-□□	3	6	15.5	21	2.6	M3	0.7
LK1-15-□□-□□	3	6	15.5	23	3.1	M3	0.7
SLK1-15-□□-□□	3	6	15.5	23	3.1	M3	0.7
LK1-17-□□-□□	4	6	17.5	23	3.1	M3	0.7
SLK1-17-□□-□□	4	6	17.5	23	3.1	M3	0.7
LK1-19-□□-□□	5	8	19.5	24.5	3.5	M4	1.9
SLK1-19-□□-□□	5	8	19.5	24.5	3.5	M4	1.9

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK1-M15-□□-□□	0.2	13000	2.8×10^{-4}	35	0.1	1.5	±0.15	9
LK1-15-□□-□□	0.2	13000	3.0×10^{-4}	36	0.1	1.5	±0.15	10
LK1-17-□□-□□	0.3	12000	5.0×10^{-4}	65	0.1	1.5	±0.25	11
LK1-19-□□-□□	0.4	10000	8.3×10^{-4}	100	0.1	1.5	±0.25	16.5
SLK1-M15-□□-□□	0.3	13000	7.8×10^{-4}	70	0.1	1.5	±0.15	28
SLK1-15-□□-□□	0.3	13000	8.5×10^{-4}	72	0.1	1.5	±0.15	30
SLK1-17-□□-□□	0.4	12000	1.4×10^{-3}	160	0.1	1.5	±0.25	34
SLK1-19-□□-□□	0.9	10000	2.3×10^{-3}	205	0.1	1.5	±0.25	40

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK1 系列 II. 定位螺丝固定螺纹式

LK1 Series II. Setscrew Type (Spiral)

特点 Features

- 一体成型的金属弹性联轴器
- 适用较小力矩的轴联接
- 零回转间隙
- 弹性作用补偿径向、角向、轴向偏差
- 定位螺丝固定

主体:不锈钢材料
Body:Stainless Steel

- One-piece metallic spring coupling
- For little torque shaft connect
- Zero backlash
- Absorption of parallel, angular misalignments and shaft end-play by spring action
- Setscrew type

主体:铝合金材料
Body:Aluminum Alloy

选型举例: Ordering Information

□LK1 — □ - □□ - □□ M

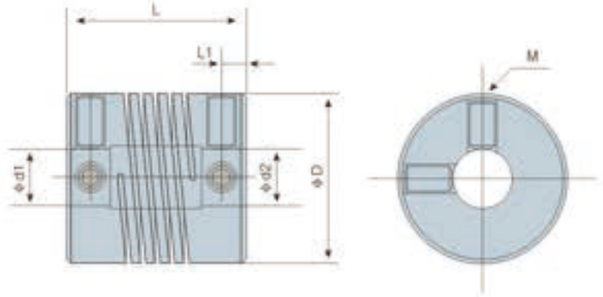
- d2轴径(大径): d2 Bore
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志:标准型,铝合金材料 Blank: Standard, Aluminum Alloy
- S:不锈钢型 S: Stainless Steel

例: LK1-17-05-06M

LK1: 系列号,材料为铝合金
17: 外径尺寸: 17.5mm定位螺丝固定
05: d1轴径为: 05mm, 孔公差为H8
06: d2轴径为: 06mm, 孔公差为H8
M: 螺纹式
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK1-17-05-06M

LK1: Series NO, Material :Aluminum Alloy
17: Outside Dia: 17. 5mm, Setscrew Type
05: d1 Bore: 05mm,H8
06: d2 Bore: 06mm,H8
M: Spiral
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1 · d2		ΦD	L	L1	M	拧紧力矩 Tightening Torque (N.m)
	最小孔径 Min-Bore	最大孔径 Max-Bore					
LK1-M15-□□-□□M	3	5	15.5	21	3.1	M3	0.7
SLK1-M15-□□-□□M	3	5	15.5	21	3.1	M3	0.7
LK1-15-□□-□□M	3	5	15.5	23	3.1	M3	0.7
SLK1-15-□□-□□M	3	5	15.5	23	3.1	M3	0.7
LK1-17-□□-□□M	4	6	17.5	23	3.1	M3	0.7
SLK1-17-□□-□□M	4	6	17.5	23	3.1	M3	0.7
LK1-19-□□-□□M	5	8	19.5	24.5	3.5	M4	1.9
SLK1-19-□□-□□M	5	8	19.5	24.5	3.5	M4	1.9

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK1-M15-□□-□□M	0.2	13000	3.0×10^{-7}	35	0.12	2	±0.15	9
LK1-15-□□-□□M	0.2	13000	3.2×10^{-7}	36	0.12	2	±0.15	9.7
LK1-17-□□-□□M	0.3	12000	5.2×10^{-7}	65	0.12	2	±0.25	12
LK1-19-□□-□□M	0.4	10000	8.4×10^{-7}	100	0.12	2	±0.25	15
SLK1-M15-□□-□□M	0.3	13000	8.4×10^{-7}	70	0.12	2	±0.15	25
SLK1-15-□□-□□M	0.3	13000	9.1×10^{-7}	72	0.12	2	±0.15	27
SLK1-17-□□-□□M	0.4	12000	1.5×10^{-6}	160	0.12	2	±0.25	34
SLK1-19-□□-□□M	0.9	10000	2.4×10^{-6}	205	0.12	2	±0.25	42

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

Note:

1.Moment of inertia and weight are based on the maximum size bores

2.The maximum speed does not consider dynamic balance.

LK2 系列

LK2 Series

使用注意事项:
CAUTIONS:

1.请务必遵守偏心,偏角,轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用设备实现高精度生产。万一联轴器受到强烈冲击时,可能会无法保持高精度而在使用中发生破损,请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性,但极度粘附的环境也会导致产品劣化,请避免此类情况。
5.插入安装轴前,请勿拧紧夹紧螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameter of the coupling is achieved by using special equipment. In case that the coupling is under strong impact, it may not be able to maintain high accuracy and be damaged in use, please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式:
INSTALLATION:

1.确认联轴器上的螺栓有无松动,去除轴及联轴器内径面的锈迹,灰尘及油等。特别是,对联轴器摩擦系数有显著影响的各类润滑脂,绝不可有粘附。
Confirm whether the bolts on the coupling are loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴。插入时,请勿在联轴器上施加过大的压缩和拉伸力,特别是在把联轴器安装至电动机后将联轴器插入从动轴时,可能会因错误操作而施加过大的压缩力,请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

3.在固定螺栓或夹紧螺栓处于松开状态下,请确认联轴器是否能沿轴向和旋转方向轻微移动,如果无法顺畅移动,请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法,如果无法使用同样的确认方法,请使用其他测量方法确认安装精度。
When the fixed bolt or clamping bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it cannot move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

LK2 系列

LK2 Series

I. 定位螺丝固定平行式

I. Setscrew Type(Parallel)

特点 Features

- 一体成型的金属弹性联轴器
- 零回转间隙
- 弹性作用补偿径向、角向、轴向偏差
- 顺时针与逆时针回转特性完成相同
- 定位螺丝固定
- 铝合金及不锈钢材料

主体：铝合金材料
Body:Aluminum Alloy

- One-piece metallic spring coupling
- Zero backlash
- Absorption of parallel, angular misalignments and shaft end-play By spring action
- Identical clockwise and anticlockwise rotational characteristics
- Setscrew type
- Material Aluminum alloy and stainless steel

主体：不锈钢材料
Body:Stainless Steel

选型举例： Ordering Information

□LK2 — □ - □□□ - □□□

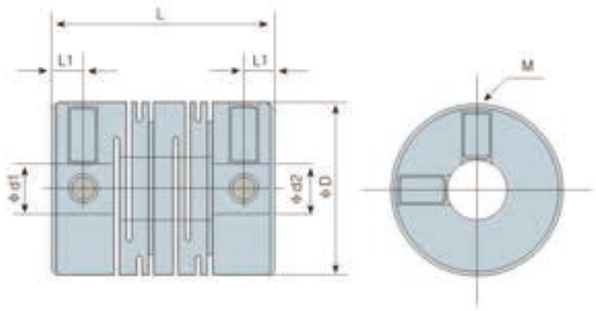
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志: 标准型, 铝合金材料 / Blank: Standard, Aluminum Alloy
- S:不锈钢型 / S: Stainless Steel

例：LK2-100-08-10

LK2：系列号，材料为铝合金
100：外径尺寸：25.4mm,定位螺丝固定
08：d1轴径为：08mm，孔公差为H8
10：d2轴径为：10mm，孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK2-100-08-10

LK2: Series NO, Material: Aluminum Alloy
100: Outside Dia: 25.4mm, Setscrew Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 - d2 最小孔径 Min-Bore	d1 - d2 最大孔径 Max-Bore	ΦD	L	L1	M	拧紧力矩 Tightening Torque (N.m)
LK2-075-□□□-□□□	4	6.35	19.1	19.1	2.55	M3	0.7
SLK2-075-□□□-□□□	4	6.35	19.1	19.1	2.55	M3	0.7
LK2-100-□□□-□□□	5	10	25.4	25.4	3.55	M4	1.9
SLK2-100-□□□-□□□	5	10	25.4	25.4	3.55	M4	1.9
LK2-112-□□□-□□□	6	12.7	28.6	28.6	3.60	M5	3.7
SLK2-112-□□□-□□□	6	12.7	28.6	28.6	3.60	M5	3.7
LK2-150-□□□-□□□	8	15	38.1	38.1	4.15	M5	3.7
SLK2-150-□□□-□□□	8	15	38.1	38.1	4.15	M5	3.7
LK2-200-□□□-□□□	12	19	50.8	50.8	5.25	M6	6.3
SLK2-200-□□□-□□□	12	19	50.8	50.8	5.25	M6	6.3

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)															
	4	5	6	6.35	8	9	9.525	10	11	12	12.7	14	15	16	18	19
LK2-075-□□□-□□□	•	•	•	•												
SLK2-075-□□□-□□□	•	•	•	•												
LK2-100-□□□-□□□		•	•	•	•	•	•	•								
SLK2-100-□□□-□□□		•	•	•	•	•	•	•								
LK2-112-□□□-□□□			•	•	•	•	•	•	•	•	•					
SLK2-112-□□□-□□□			•	•	•	•	•	•	•	•	•					
LK2-150-□□□-□□□					•	•	•	•	•	•	•	•	•			
SLK2-150-□□□-□□□					•	•	•	•	•	•	•	•	•			
LK2-200-□□□-□□□										•	•	•	•	•	•	•
SLK2-200-□□□-□□□										•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK2-075-□□□-□□□	0.5	10000	6.0×10^{-7}	110	0.1	1.5	±0.15	12
LK2-100-□□□-□□□	1.4	10000	2.47×10^{-6}	170	0.1	1.5	±0.15	26
LK2-112-□□□-□□□	1.6	8000	4.41×10^{-6}	260	0.1	1.5	±0.15	36
LK2-150-□□□-□□□	4.2	8000	1.84×10^{-5}	330	0.15	1.5	±0.15	87
LK2-200-□□□-□□□	9.0	6000	7.92×10^{-5}	560	0.15	1.5	±0.15	215
SLK2-075-□□□-□□□	1.0	10000	1.71×10^{-6}	230	0.1	1.5	±0.15	33
SLK2-100-□□□-□□□	2.2	10000	7.06×10^{-6}	320	0.1	1.5	±0.15	75
SLK2-112-□□□-□□□	3.1	8000	1.25×10^{-5}	790	0.1	1.5	±0.15	102
SLK2-150-□□□-□□□	7.5	8000	5.31×10^{-5}	980	0.15	1.5	±0.15	249
SLK2-200-□□□-□□□	14.0	6000	2.29×10^{-4}	1450	0.15	1.5	±0.15	618

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK2 系列 II.定位螺丝固定螺纹式

LK2 Series II.Setscrew Type(Spiral)

特点 Features

- 一体成型的金属弹性联轴器
- 零回转间隙
- 弹性作用补偿径向、角向、轴向偏差
- 高弹性角向误差补偿大
- 定位螺丝固定
- 铝合金及不锈钢材料

主体:铝合金材料
Body:Aluminum Alloy

- One-piece metallic spring coupling
- Zero backlash
- Absorption of parallel, angular misalignments and shaft end-play By spring action
- Absorption of large angular misalignments by spring action
- Setscrew type
- Material Aluminum alloy and stainless steel

主体:不锈钢材料
Body:Stainless Steel

选型举例: Ordering Information

□LK2 — □ - □□□ - □□□M

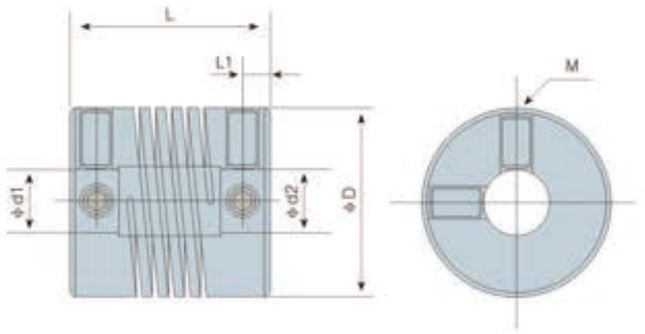
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志:标准型,铝合金材料 Blank: Standard, Aluminum Alloy
- S:不锈钢型 S: Stainless Steel

例:LK2-100-08-10M

LK2: 系列号,材料为铝合金
100: 外径尺寸: 25.4mm,定位螺丝固定
08: d1轴径为: 08mm,孔公差为H8
10: d2轴径为: 10mm,孔公差为H8
M: 螺纹式
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK2-100-08-10M

LK2: Series NO, Material: Aluminum Alloy
100: Outside Dia: 25.4mm, Setscrew Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
M: Spiral
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1 · d2		ΦD	L	L1	M	拧紧力矩 Tightening Torque (N.m)
	最小孔径 Min-Bore	最大孔径 Max-Bore					
LK2-075-□□□-□□□M	4	6.35	19.1	19.1	2.55	M3	0.7
SLK2-075-□□□-□□□M	4	6.35	19.1	19.1	2.55	M3	0.7
LK2-100-□□□-□□□M	5	10	25.4	25.4	3.55	M4	1.9
SLK2-100-□□□-□□□M	5	10	25.4	25.4	3.55	M4	1.9
LK2-112-□□□-□□□M	6	12.7	28.6	28.6	3.60	M5	3.7
SLK2-112-□□□-□□□M	6	12.7	28.6	28.6	3.60	M5	3.7
LK2-150-□□□-□□□M	8	15	38.1	38.1	4.15	M5	3.7
SLK2-150-□□□-□□□M	8	15	38.1	38.1	4.15	M5	3.7
LK2-200-□□□-□□□M	12	19	50.8	50.8	5.25	M6	6.3
SLK2-200-□□□-□□□M	12	19	50.8	50.8	5.25	M6	6.3

说明:
1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。
2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)															
	4	5	6	6.35	8	9	9.525	10	11	12	12.7	14	15	16	18	19
LK2-075-□□□-□□□M	•	•	•	•												
SLK2-075-□□□-□□□M	•	•	•	•												
LK2-100-□□□-□□□M		•	•	•	•	•	•	•								
SLK2-100-□□□-□□□M		•	•	•	•	•	•	•								
LK2-112-□□□-□□□M			•	•	•	•	•	•	•	•	•					
SLK2-112-□□□-□□□M			•	•	•	•	•	•	•	•	•					
LK2-150-□□□-□□□M					•	•	•	•	•	•	•	•	•			
SLK2-150-□□□-□□□M					•	•	•	•	•	•	•	•	•			
LK2-200-□□□-□□□M										•	•	•	•	•	•	•
SLK2-200-□□□-□□□M										•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK2-075-□□□-□□□M	0.5	10000	6.3×10^{-7}	110	0.1	2.0	±0.15	12
LK2-100-□□□-□□□M	1.4	10000	2.54×10^{-6}	170	0.1	2.0	±0.15	27
LK2-112-□□□-□□□M	1.6	8000	4.56×10^{-6}	260	0.1	2.0	±0.15	38
LK2-150-□□□-□□□M	4.2	8000	1.92×10^{-5}	330	0.1	2.0	±0.15	90
LK2-200-□□□-□□□M	9.0	6000	8.16×10^{-5}	560	0.1	2.0	±0.15	220
SLK2-075-□□□-□□□M	1.0	10000	1.78×10^{-6}	230	0.1	2.0	±0.15	35
SLK2-100-□□□-□□□M	2.2	10000	7.26×10^{-6}	320	0.1	2.0	±0.15	77
SLK2-112-□□□-□□□M	3.1	8000	1.29×10^{-5}	790	0.1	2.0	±0.15	106
SLK2-150-□□□-□□□M	7.5	8000	5.56×10^{-5}	980	0.1	2.0	±0.15	260
SLK2-200-□□□-□□□M	14.0	6000	2.37×10^{-4}	1450	0.1	2.0	±0.15	640

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

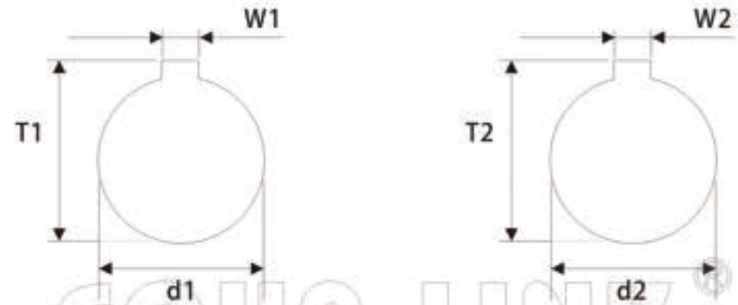
Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK2 系列

LK2 Series

选项：定位螺丝加键槽固定，键槽尺寸

Setscrew Keyway Type



单位 (unit)：mm

键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK2 — □□ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- K:键槽标志 Keyway
- 外径尺寸: Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK2-100K-08-10

LK2：系列号，材料为铝合金
100：外径尺寸：25.4mm定位螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示08,10两孔都加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK2-100K-08-10

LK2: Series NO, Material :Aluminum alloy
100:Outside Dia:25.4mm,Setcrew Type
08: d1 Bore: 10mm,H8
10: d2 Bore: 10mm,H8
K: 08,10 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

例：LK2-100-08K-10

LK2：系列号，材料为铝合金
100：外径尺寸：25.4mm定位螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示只有08孔加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK2-100-08K-10

LK2: Series NO, Material： Aluminum alloy
100:Outside Dia:25.4mm,Setcrew Type
08: d1 Bore: 10mm,H8
10: d2 Bore: 10mm,H8
K: 08 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

LK2 系列

LK2 Series

III.夹紧螺丝固定平行式

III.Clamp Type(Parallel)

特点 Features

- 一体成型的金属弹性联轴器
- 零回转间隙
- 弹性作用补偿径向、角向、轴向偏差
- 顺时针与逆时针回转特性完成相同
- 夹紧螺丝固定方式
- 铝合金及不锈钢材料

主体:铝合金材料
Body:Aluminum Alloy

- One-piece metallic spring coupling
- Zero backlash
- Absorption of parallel, angular misalignments and shaft end-play By spring action
- Identical clockwise and anticlockwise rotational characteristics
- Clamp type
- Material Aluminum alloy and stainless steel

主体:不锈钢材料
Body:Stainless Steel

选型举例: Ordering Information

□LK2 — C□ - □□□ - □□□

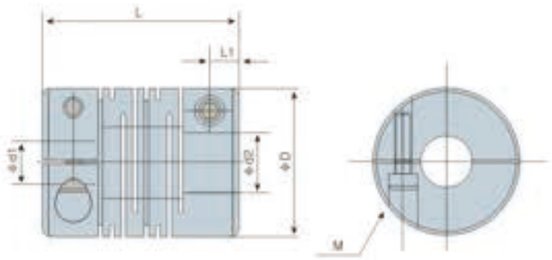
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志:标准型,铝合金材料 / Blank: Standard, Aluminum Alloy
- S:不锈钢型 / S: Stainless Steel

例:LK2-C100-08-10

LK2: 系列号,材料为铝合金
C100: 外径尺寸: 25.4mm夹紧螺丝固定
08: d1轴径为: 08mm,孔公差为H8
10: d2轴径为: 10mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK2-C100-08-10

LK2: Series NO, Material: Aluminum Alloy
C100: Outside Dia: 25.4mm, Clamp Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	L	L1	M	拧紧力矩 Tightening Torque (N.m)
LK2-C075-□□□-□□□	4	6.35	19.1	22.9	3.1	M2.5	1.0-1.1
SLK2-C075-□□□-□□□	4	6.35	19.1	22.9	3.1	M2.5	1.0-1.1
LK2-C100-□□□-□□□	5	10	25.4	31.8	4.15	M3	1.5-1.9
SLK2-C100-□□□-□□□	5	10	25.4	31.8	4.15	M3	1.5-1.9
LK2-C112-□□□-□□□	6	12.7	28.6	38.1	5.0	M4	3.4-4.1
SLK2-C112-□□□-□□□	6	12.7	28.6	38.1	5.0	M4	3.4-4.1
LK2-C150-□□□-□□□	8	15	38.1	41.3	5.9	M5	7.0-8.5
SLK2-C150-□□□-□□□	8	15	38.1	41.3	5.9	M5	7.0-8.5
LK2-C200-□□□-□□□	12	19	50.8	51.0	6.7	M6	14-15
SLK2-C200-□□□-□□□	12	19	50.8	51.0	6.7	M6	14-15

说明:
1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。
2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)															
	4	5	6	6.35	8	9	9.525	10	11	12	12.7	14	15	16	18	19
LK2-C075-□□□-□□□	•	•	•	•												
SLK2-C075-□□□-□□□	•	•	•	•												
LK2-C100-□□□-□□□		•	•	•	•	•	•	•								
SLK2-C100-□□□-□□□		•	•	•	•	•	•	•								
LK2-C112-□□□-□□□			•	•	•	•	•	•	•	•	•					
SLK2-C112-□□□-□□□			•	•	•	•	•	•	•	•	•					
LK2-C150-□□□-□□□					•	•	•	•	•	•	•	•	•			
SLK2-C150-□□□-□□□					•	•	•	•	•	•	•	•	•			
LK2-C200-□□□-□□□										•	•	•	•	•	•	•
SLK2-C200-□□□-□□□										•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK2-C075-□□□-□□□	0.5	8000	6.9×10^{-7}	110	0.1	1.5	±0.15	14
LK2-C100-□□□-□□□	1.4	6000	3.0×10^{-6}	170	0.1	1.5	±0.15	32
LK2-C112-□□□-□□□	1.6	5000	5.7×10^{-6}	260	0.1	1.5	±0.15	48
LK2-C150-□□□-□□□	4.2	4500	1.98×10^{-5}	330	0.1	1.5	±0.15	94
LK2-C200-□□□-□□□	9.0	4500	7.68×10^{-5}	560	0.1	1.5	±0.15	210
SLK2-C075-□□□-□□□	1.0	8000	1.88×10^{-6}	230	0.1	1.5	±0.15	38
SLK2-C100-□□□-□□□	2.2	6000	9.0×10^{-6}	320	0.1	1.5	±0.15	91
SLK2-C112-□□□-□□□	3.1	5000	1.6×10^{-5}	790	0.1	1.5	±0.15	134
SLK2-C150-□□□-□□□	7.5	4500	5.59×10^{-5}	980	0.1	1.5	±0.15	266
SLK2-C200-□□□-□□□	14.0	4500	2.29×10^{-4}	1450	0.1	1.5	±0.15	600

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

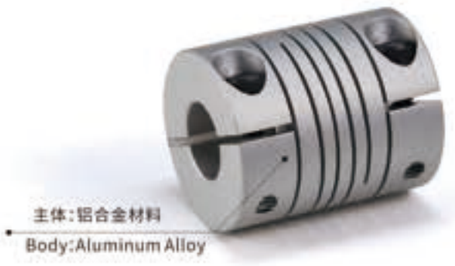
Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK2 系列 LK2 Series

IV.夹紧螺丝固定螺纹式 IV.Clamp Type(Spiral)

特点 Features

- 一体成型的金属弹性联轴器
- 零回转间隙
- 弹性作用补偿径向、角向、轴向偏差
- 高弹性角向误差补偿大
- 夹紧螺丝固定
- 铝合金及不锈钢材料



- One-piece metallic spring coupling
- Zero backlash
- Absorption of parallel, angular misalignments and shaft end-play By spring action
- Absorption of large angular misalignments by spring action
- Clamp type
- Material Aluminum alloy and stainless steel

选型举例: Ordering Information

□LK2 – C□ – □□□ – □□□M

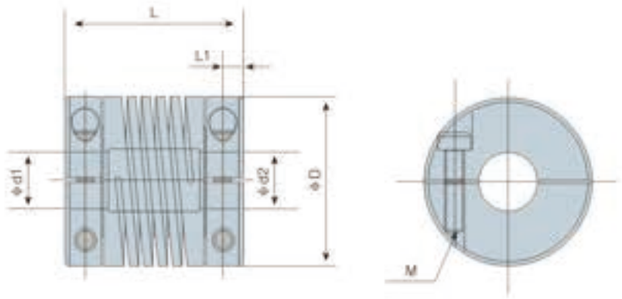
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志:标准型,铝合金材料 Blank: Standard, Aluminum Alloy
- S:不锈钢型 S: Stainless Steel

例:LK2-C100-08-10M

LK2: 系列号,材料为铝合金
C100: 外径尺寸: 25.4mm,夹紧螺丝固定
08: d1轴径为: 08mm,孔公差为H8
10: d2轴径为: 10mm,孔公差为H8
M: 螺纹式
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK2-C100-08-10M

LK2: Series NO, Material: Aluminum Alloy
C100: Outside Dia: 25.4mm, Clamp Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
M: Spiral
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min.Bore	d1·d2 最大孔径 Max.Bore	ΦD	L	L1	M	拧紧力矩 Tightening Torque (N.m)
LK2-C075-□□□-□□□M	4	6.35	19.1	22.9	3.1	M2.5	1.0-1.1
SLK2-C075-□□□-□□□M	4	6.35	19.1	22.9	3.1	M2.5	1.0-1.1
LK2-C100-□□□-□□□M	5	10	25.4	31.8	4.15	M3	1.5-1.9
SLK2-C100-□□□-□□□M	5	10	25.4	31.8	4.15	M3	1.5-1.9
LK2-C112-□□□-□□□M	6	12.7	28.6	38.1	5.0	M4	3.4-4.1
SLK2-C112-□□□-□□□M	6	12.7	28.6	38.1	5.0	M4	3.4-4.1
LK2-C150-□□□-□□□M	8	15	38.1	41.3	5.9	M5	7.0-8.5
SLK2-C150-□□□-□□□M	8	15	38.1	41.3	5.9	M5	7.0-8.5
LK2-C200-□□□-□□□M	12	19	50.8	51.0	6.7	M6	14-15
SLK2-C200-□□□-□□□M	12	19	50.8	51.0	6.7	M6	14-15

说明:
1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。
2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。
Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)															
	4	5	6	6.35	8	9	9.525	10	11	12	12.7	14	15	16	18	19
LK2-C075-□□□-□□□M	•	•	•	•												
SLK2-C075-□□□-□□□M	•	•	•	•												
LK2-C100-□□□-□□□M		•	•	•	•	•	•	•								
SLK2-C100-□□□-□□□M		•	•	•	•	•	•	•								
LK2-C112-□□□-□□□M			•	•	•	•	•	•	•	•	•					
SLK2-C112-□□□-□□□M			•	•	•	•	•	•	•	•	•					
LK2-C150-□□□-□□□M					•	•	•	•	•	•	•	•	•			
SLK2-C150-□□□-□□□M					•	•	•	•	•	•	•	•	•			
LK2-C200-□□□-□□□M										•	•	•	•	•	•	•
SLK2-C200-□□□-□□□M										•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK2-C075-□□□-□□□M	0.5	8000	7.1×10^{-7}	110	0.1	2.0	±0.15	14
LK2-C100-□□□-□□□M	1.4	6000	3.0×10^{-6}	170	0.1	2.0	±0.15	32
LK2-C112-□□□-□□□M	1.6	5000	5.9×10^{-6}	260	0.1	2.0	±0.15	47
LK2-C150-□□□-□□□M	4.2	4500	2.1×10^{-5}	330	0.1	2.0	±0.15	98
LK2-C200-□□□-□□□M	9.0	4500	8.0×10^{-5}	560	0.1	2.0	±0.15	218
SLK2-C075-□□□-□□□M	1.0	8000	1.8×10^{-6}	230	0.1	2.0	±0.15	40
SLK2-C100-□□□-□□□M	2.2	6000	8.7×10^{-6}	320	0.1	2.0	±0.15	92
SLK2-C112-□□□-□□□M	3.1	5000	1.7×10^{-5}	790	0.1	2.0	±0.15	133
SLK2-C150-□□□-□□□M	7.5	4500	5.9×10^{-5}	980	0.1	2.0	±0.15	278
SLK2-C200-□□□-□□□M	14.0	4500	2.3×10^{-4}	1450	0.1	2.0	±0.15	621

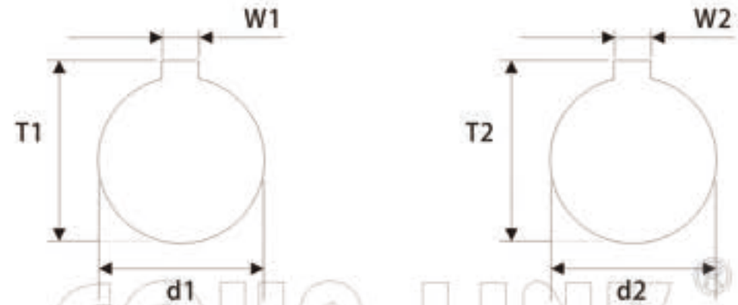
说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。
Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK2 系列

LK2 Series

选项：夹紧螺丝加键槽固定，键槽尺寸

Clamp Keyway Type



单位 (unit)：mm

键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK2 — C □□ - □□□ - □□□

- 孔径公差: bore tolerance → 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance → 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K:键槽标志 Keyway
- 外径尺寸: Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK2-C100K-08-10

LK2：系列号，材料为铝合金
C100：外径尺寸：25.4mm夹紧螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示08,10两孔都加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK2-C100K-08-10

LK2: Series NO, Material :Aluminum alloy
C100:Outside Dia:25.4mm,Clamp Type
08: d1 Bore: 10mm,H8
10: d2 Bore: 10mm,H8
K: 08,10 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

例：LK2-C100-08K-10

LK2：系列号，材料为铝合金
C100：外径尺寸：25.4mm夹紧螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示只有08孔加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK2-C100-08K-10

LK2: Series NO, Material： Aluminum alloy
C100:Outside Dia:25.4mm,Clamp Type
08: d1 Bore: 10mm,H8
10: d2 Bore: 10mm,H8
K: 08 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

LK3 系列
LK3 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时，可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.弹性元件由薄薄的不锈钢膜片组成，使用时注意避免划伤。
6.插入安装轴前，请勿拧紧夹紧螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.
4. The use range is - 30 C - 120 C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Plate springs consist of thin stainless steel diaphragms, when using, care should be taken to avoid scratches.
6. Do not tighten the clamping bolt before inserting the installation shaft.

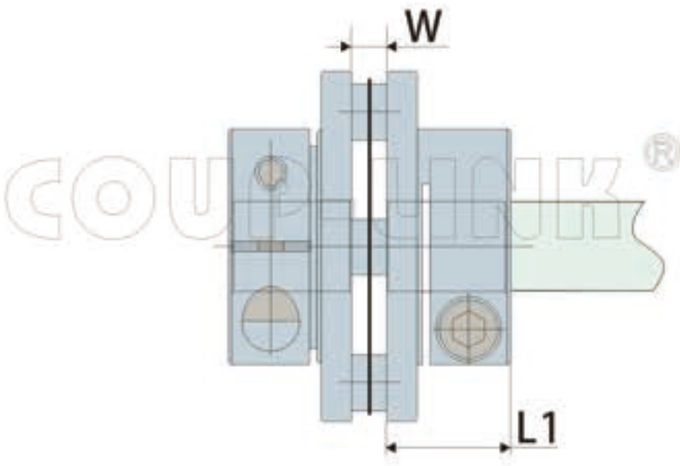
安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner diameter surface of the shaft and coupling. In particular, all kinds of greases which have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

3.在2根夹紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the two clamping bolts are loose, make sure that the coupling can move slightly along the axis and rotation direction. If it can not move smoothly, please readjust the centering of the two axes. This method is recommended as a simple method to confirm the left and right concentricity. If the same method cannot be used, please use other measuring methods to confirm the installation accuracy.

4.两边轴插入联轴器的长度如下图所示，使安装轴贯穿边节法兰全长（L1尺寸），且不得与弹性元件及另一边的轴干涉。请将夹紧法兰面到面尺寸（W尺寸）控制在相对于标准值的轴向位移允许误差范围内。该值为假设偏心，偏角均为零时的允许值，请尽量调小。
The length of the insertion couplings on both sides of the shaft is shown in the figure below, so that the installation shaft runs through the full length of the flange at the side section (L1 size) and does not interfere with the elastic element and the other side of the shaft. Please control the clamping flange face-to-face dimension (W dimension) within the allowable error range of axial displacement relative to the standard value. This value is the allowable value for assuming eccentricity and zero offset angle. Please adjust it as small as possible.



5.确认轴向无压缩，拉伸等作用力后，请将两根夹紧螺栓拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按技术参数表的拧紧扭矩拧紧。
Please tighten the two clamping bolts after confirming that there is no compression, tension and other forces in the axial direction. When tightening the bolt, please use the calibrated torsion plate hand and tighten the torque according to the technical parameter table.

6.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti-loosening measure of clamping bolt, it is suggested that after running for a period of time, the correct tightening torque should be used again for tightening.

LK3 系列

LK3 Series

I. 单节夹紧螺丝固定式(膜片联轴器)

I. Clamp Type(Single Plate Springs)

特点 Features

- 膜片型弹性联轴器
- 高灵敏度、高扭矩钢性
- 零回转间隙
- 顺时针和逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 利用夹紧螺丝固定
- Plate springs coupling
- Excellent response and high torque capacity
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end-play
- Clamp type

主体：铝合金材料
Body：Aluminum Alloy

一体化膜片组
LK3-C56~LK3-C82

选型举例：Ordering Information

LK3 — C□ - □□□ - □□□

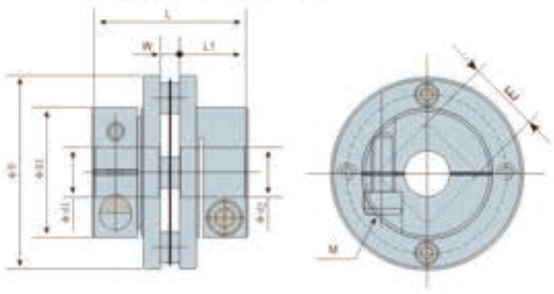
- 外径尺寸: Outside Dia
- d1轴径(小径): d1 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8

例：LK3-C34-10-14

LK3：系列号，材料为铝合金
C34：外径尺寸：34mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK3-C34-10-14

LK3: Series NO, Material Aluminum alloy
C34:Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min·Bore	d1·d2 最大孔径 Max·Bore	D	L	D1	W	L1	E	M	拧紧力矩 Tightening Torque (N.m)
LK3-C34-□□□-□□□	5	9	34	27	21.6	3.6	11.7	14.5	M3	1.5-1.9
LK3-C44-□□□-□□□	8	14	44	34	29.6	4.8	14.6	20.5	M4	3.4-4.1
LK3-C56-□□□-□□□	8	20	56	45	38.0	5.5	19.75	26	M5	7.0-8.5
LK3-C68-□□□-□□□	11	25	68	54	46.0	6	24	31	M6	14-15
LK3-C82-□□□-□□□	18	30	82	68	56.0	8	30	38	M8	27-30

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																					
	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30
LK3-C34-□□□-□□□	•	•	•	•	•	•															
LK3-C44-□□□-□□□					•	•	•	•	•	•	•										
LK3-C56-□□□-□□□					•	•	•	•	•	•	•	•	•	•	•	•					
LK3-C68-□□□-□□□									•	•	•	•	•	•	•	•	•	•	•		
LK3-C82-□□□-□□□														•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK3-C34-□□□-□□□	5.0	10000	3.17×10^{-4}	8100	0.02	1	±0.2	31
LK3-C44-□□□-□□□	12	10000	1.24×10^{-3}	20000	0.02	1	±0.3	70
LK3-C56-□□□-□□□	25	10000	4.19×10^{-3}	50000	0.02	1	±0.4	143
LK3-C68-□□□-□□□	60	10000	1.19×10^{-2}	70000	0.02	1	±0.45	276
LK3-C82-□□□-□□□	100	10000	3.43×10^{-2}	90000	0.02	1	±0.55	533

说明：
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为元件部份的测量值。
3.最高转速未考虑动平衡。

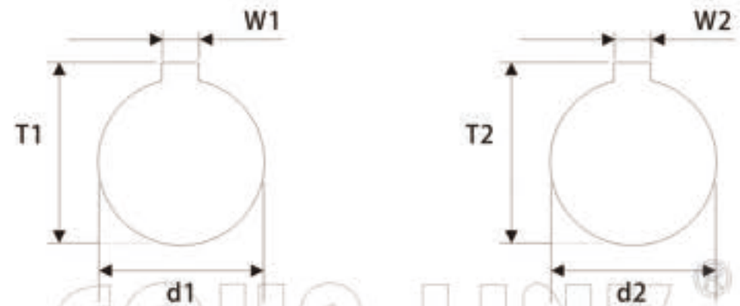
Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK3 系列

LK3 Series

选项：适用键槽轴，键槽尺寸

Clamp Keyway Type(Single Plate Springs)



键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

单位 (unit)：mm

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK3 — C□□ - □□□ - □□□

- 外径尺寸: Outside Dia
- K键槽标志: Keyway
- d1轴径(小径): d1 Bore
  - 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / Blank;F8
- d2轴径(大径): d2 Bore
  - 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK3-C44K-10-14

LK3：系列号，材料为铝合金
C44：外径尺寸：44mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK3-C44K-10-14
LK3: Series NO, Material :Aluminum Alloy
C44:Outside Dia:44mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

例：LK3-C44-10K-14

LK3：系列号，材料为铝合金
C44：外径尺寸：44mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示只有10孔加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK3-C44-10K-14
LK3: Series NO, Material： Aluminum alloy
C44:Outside Dia:44mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

LK3 系列

LK3 Series

II.多节夹紧螺丝固定式(膜片联轴器)

II.Clamp Type(Double Plate Spring)

特点 Features

- 膜片型弹性联轴器
- 高灵敏度、高扭矩钢性
- 零回转间隙
- 顺时针和逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 利用夹紧螺丝固定

主体：铝合金材料
Body：Aluminum Alloy

- Plate springs coupling
- Excellent response and high torque capacity
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end-play
- Clamp type

一体化膜片组
LK3-C56WP~LK3-C82WP

选型举例：Ordering Information

LK3 — C□ - □□□ - □□□WP

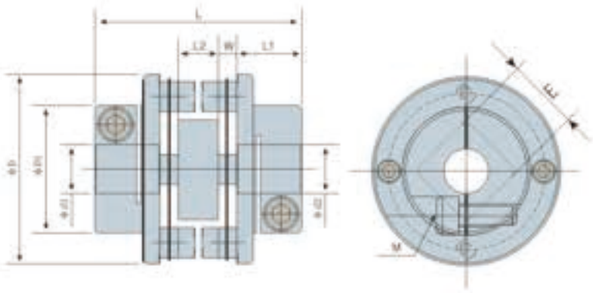
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

例：LK3-C34-10-14WP

LK3：系列号，材料为铝合金
C34：外径尺寸：34mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
WP：双膜片
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK3-C34-10-14WP

LK3: Series NO, Material: Aluminum alloy
C34:outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
WP:double plate springs
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min-Bore	d1·d2 最大孔径 Max-Bore	D	L	D1	W	L1	L2	E	M	拧紧力矩 Tightening Torque (N.m)
LK3-C34-□□□-□□□WP	5	9	34	37	21.6	3.6	11.7	6.4	14.5	M3	1.5-1.9
LK3-C44-□□□-□□□WP	8	14	44	47	29.6	4.8	14.6	8.2	20.5	M4	3.4-4.1
LK3-C56-□□□-□□□WP	8	20	56	61	38.0	5.5	19.75	10.5	26	M5	7.0-8.5
LK3-C68-□□□-□□□WP	11	25	68	74	46.0	6	24	14	31	M6	14-15
LK3-C82-□□□-□□□WP	18	30	82	98	56.0	8	30	22	38	M8	27-30

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																				
	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30
LK3-C34-□□□-□□□WP	•	•	•	•	•	•															
LK3-C44-□□□-□□□WP				•	•	•	•	•	•	•											
LK3-C56-□□□-□□□WP				•	•	•	•	•	•	•	•	•	•	•	•						
LK3-C68-□□□-□□□WP								•	•	•	•	•	•	•	•	•	•	•	•		
LK3-C82-□□□-□□□WP													•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK3-C34-□□□-□□□WP	5.0	10000	5.51×10^{-6}	4050	0.18	2	±0.4	45
LK3-C44-□□□-□□□WP	12	10000	2.20×10^{-5}	10000	0.24	2	±0.6	100
LK3-C56-□□□-□□□WP	25	10000	7.56×10^{-5}	25000	0.28	2	±0.8	207
LK3-C68-□□□-□□□WP	60	10000	2.19×10^{-4}	35000	0.34	2	±0.9	396
LK3-C82-□□□-□□□WP	100	10000	6.53×10^{-4}	45000	0.52	2	±1.1	751

说明：
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为元件部份的测量值。
3.最高转速未考虑动平衡。

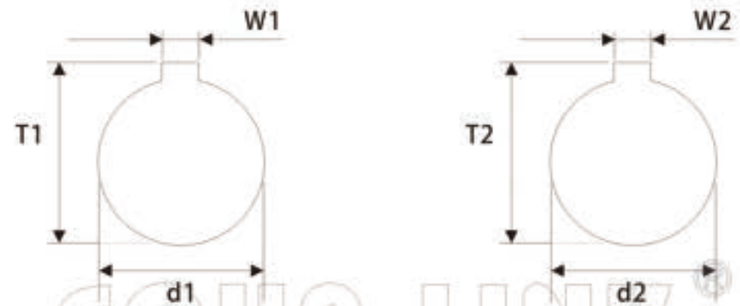
Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK3 系列

LK3 Series

选项：适用键槽轴，键槽尺寸

Clamp Keyway Type(Single Plate Springs)



键槽标准尺寸表(国标JS9)：

单位 (unit)：mm

Standard Dimension Table of Keyway(Js9)

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK3 — C □□ - □□□ - □□□ WP

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK3-C44K-10-14WP

LK3：系列号，材料为铝合金

C44：外径尺寸：44mm夹紧螺丝固定

10：d1孔径为：10mm,孔公差为H8

14：d2孔径为：14mm,孔公差为H8

K：表示10,14两孔都加标准键槽

孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK3-C44K-10-14WP

LK3: Series NO, Material :Aluminum Alloy

C44:Outside Dia: 44mm,Clamp Type

10: d1 Bore: 10mm,H8

14: d2 Bore: 14mm,H8

K: 10,14 bore standard keyway

Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

例：LK3-C44-10K-14WP

LK3：系列号，材料为铝合金

C44：外径尺寸：44mm夹紧螺丝固定

10：d1孔径为：10mm,孔公差为H8

14：d2孔径为：14mm,孔公差为H8

K：表示只有10孔加标准键槽

孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK3-C44-10K-14WP

LK3: Series NO, Material： Aluminum alloy

C44:Outside Dia:44mm,Clamp Type

10: d1 Bore: 10mm,H8

14: d2 Bore: 14mm,H8

K: 10 bore standard keyway

Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

LK4 系列
LK4 Series

使用注意事项：
CAUTIONS:

1. 请务必遵守偏心，偏角，轴向的允许公差。
2. 螺栓类请务必以指定的转矩拧紧。
3. 使用环境范围为-20°C-80°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
4. 插入安装轴前，请勿拧紧夹紧螺栓或定位螺丝。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The use range is - 20°C - 80°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
4. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓，定位螺丝有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt and positioning screwof thecouplingareloose,andremove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impactonthefriction coefficient of the coupling must not have adhesion.

2.请将联轴器插入联接轴。插入时，请勿在联轴器上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the coupling shaft. When inserting, do not apply too much compressionand tensile force on the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在夹紧螺栓或定位螺丝处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the clamping bolt or positioning screw is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If the movement is not smooth, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.安装轴原则上为圆轴，当使用非圆轴时，请注意下图所示的安装位置。(请注意勿使键槽，D型切槽进入灰色部份一侧)，轴安装位置不当可能会造成联轴发生破损，轴夹持力下降。为获得令人满意的联轴器性能，我们建议使用圆轴。
In principle, the installation shaft is a circular shaft. When using anon-circular shaft,pleasepayattentionto the installation position shown in the figure below. (please pay attention not to make the keyway, d-groove enter the gray partof the side). Improper installation position of the shaft may cause damage to the coupling and decrease the shaft clamping force. To obtain satisfactory coupling performance, we recommend the use of round shafts.

推荐安装方式：
RECOMMENDED INSTALLATION METHOD:

好的安装示例

请注意勿使用键槽、D型切口进入▭填色部分一侧。

不推荐安装方式：
RINSTALLATION IS NOT RECOMMENDED:

不好的安装示例

请注意勿使用键槽、D型切口进入▭填色部分一侧。

5.确认轴向无压缩，拉伸等作用力后，请将夹紧螺栓或定位螺丝拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按参数表所列的紧固扭矩范围内进行拧紧。
After confirming that there is no compression, tension and other forces in the axial direction,pleasetightenthe clamping bolt or positioning screw. When tightening the bolts, use a calibrated torque wrench and tighten according tothetightening torque range listed in the parameter table.

6.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti loose measure of clamping bolt, it is recommended to use correct tightening torque again for re tightening after a period of operation.

LK4 系列
LK4 Series

I.定位螺丝固定式(十字滑块联轴器)
I. Setscrew Type(oldham)

特点 Features

- 联轴器中间用十字滑块联接
- 容许大的径向和角向偏差
- 零回转间隙
- 高扭矩刚性和灵敏度
- 结构简单、抗油腐蚀和电气绝缘
- 定位螺丝固定

主体:铝合金材料
Body:Aluminum Alloy
LK4-12S~LK4-32S

主体:铝合金材料
Body:Aluminum Alloy
LK4-16~LK4-32

- OLdham type flexibe coupling
- Allows high parallel and angular misalignments
- Zero backlash
- High torsional stiffness and response
- Simple configuration enable ease of assembly
- Setscrew type

主体:铝合金材料
Body:Aluminum Alloy
LK4-35S~LK4-70S
LK4-40~LK4-63

选型举例: Ordering Information

LK4 — □□ - □□□ - □□□

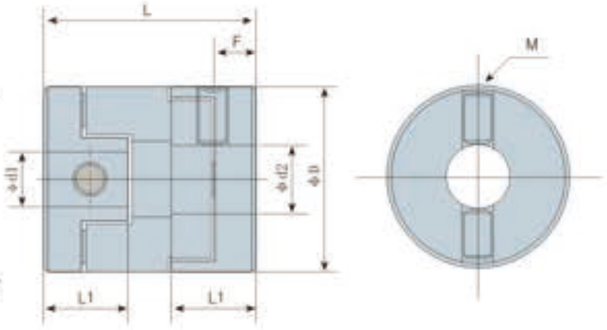
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 无标志:标准型 / Blank:Standard
- S:短型 / S:Short type
- 外径尺寸: Outside Dia

例: LK4-25-08-10

LK4: 系列号，材料为铝合金
25: 外径尺寸: 25mm,定位螺丝固定
08: d1孔径为: 08mm, 公差为H8
10: d2孔径为: 10mm，公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK4-25-08-10

LK4: Series No, Material : Aluminum Alloy
25: Outside Dia: 25mm, Setscrew Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	L	F	L1	M	拧紧力矩 Tightening Torque (N.m)
LK4-12S-□□□-□□□	3	5	12	15	2.5	6.9	M3	0.7
LK4-35S-□□□-□□□	10	16	35	35	5.5	16	M6	6.3
LK4-44S-□□□-□□□	12	22	44	46	7.5	21.5	M6	6.3
LK4-55S-□□□-□□□	15	25	55	57	9.5	27	M8	15
LK4-70S-□□□-□□□	18	38	70	77	12.5	36.5	M10	29.5
LK4-16-□□□-□□□	3	6	16	18	3.5	7	M3	0.7
LK4-20-□□□-□□□	4	8	20	23	4.5	9	M4	1.9
LK4-25-□□□-□□□	5	10	25	28	5.5	11.5	M5	3.7
LK4-32-□□□-□□□	8	14	32	33	6.5	14	M6	6.3
LK4-40-□□□-□□□	10	16	40	35	7.0	15	M6	6.3
LK4-50-□□□-□□□	14	20	50	38	8.5	17	M8	15
LK4-63-□□□-□□□	16	25	63	47	10.5	21	M10	29.5

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																								
	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38
LK4-12S-□□□-□□□	•	•	•																							
LK4-35S-□□□-□□□										•	•	•	•	•	•											
LK4-44S-□□□-□□□												•	•	•	•	•	•	•	•							
LK4-55S-□□□-□□□														•	•	•	•	•	•	•	•					
LK4-70S-□□□-□□□																•	•	•	•	•	•	•	•	•	•	•
LK4-16-□□□-□□□	•	•	•	•																						
LK4-20-□□□-□□□		•	•	•	•	•	•																			
LK4-25-□□□-□□□			•	•	•	•	•	•	•	•																
LK4-32-□□□-□□□							•	•	•	•	•	•	•													
LK4-40-□□□-□□□										•	•	•	•	•	•											
LK4-50-□□□-□□□													•	•	•	•	•	•								
LK4-63-□□□-□□□															•	•	•	•	•	•	•					

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	重量 N.W. (g)
LK4-12S-□□□-□□□	0.2	51000	5.0×10^{-6}	25	0.6	3.0	3
LK4-35S-□□□-□□□	4.5	16000	8.5×10^{-6}	320	2.5	3.0	65
LK4-44S-□□□-□□□	12.5	13000	3.8×10^{-5}	560	3.0	3.0	116
LK4-55S-□□□-□□□	20	10000	9.9×10^{-5}	895	3.5	3.0	204
LK4-70S-□□□-□□□	40	8000	3.9×10^{-4}	2260	4.0	3.0	351
LK4-16-□□□-□□□	0.7	39000	2.2×10^{-7}	31	1.0	3.0	6.3
LK4-20-□□□-□□□	1.2	31000	7.1×10^{-7}	60	1.5	3.0	13
LK4-25-□□□-□□□	2	25000	2.0×10^{-6}	140	2.0	3.0	24
LK4-32-□□□-□□□	4.5	19000	6.6×10^{-6}	280	2.5	3.0	46
LK4-40-□□□-□□□	9	15000	1.9×10^{-5}	540	3.0	3.0	83
LK4-50-□□□-□□□	18	12000	4.5×10^{-5}	820	3.5	3.0	143
LK4-63-□□□-□□□	36	10000	1.4×10^{-4}	1900	4.0	3.0	276

说明:

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为元件部份的实测值。

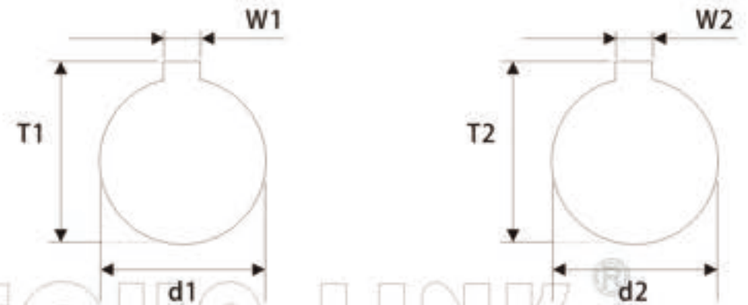
3.最高转速未考虑动平衡。

Note:

1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK4 系列 选项:定位螺丝加键槽固定,键槽尺寸

LK4 Series Setscrew Keyway Type



单位 (unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK4 — □□ - □□□ - □□□ - □

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK4-32K-10-14

LK4：系列号，材料为铝合金
32：外径尺寸：32mm定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽

Example: LK4-32K-10-14
LK4: Series NO, Material : Aluminum alloy
32: Outside Dia:32mm,Stscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例：LK4-32-10K-14

LK4：系列号，材料为铝合金
32：外径尺寸：32mm定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽

Example: LK4-32-10K-14
LK4: Series NO, Material : Aluminum alloy
32: Outside Dia:32mm,Stscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway

LK4 系列 LK4 Series

II.夹紧螺丝固定式(十字滑块联轴器)
II. Clamp Type(oldham)

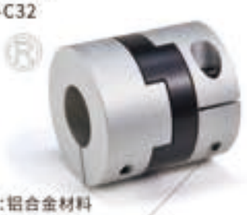
特点 Features

- 联轴器中间用十字滑块联接
- 容许大的径向和角向偏差
- 零回转间隙
- 高扭矩刚性和灵敏度
- 结构简单、抗油腐蚀和电气绝缘
- 夹紧螺丝固定


主体:铝合金材料
Body:Aluminum Alloy
LK4-C12S~LK4-C32S


主体:铝合金材料
Body:Aluminum Alloy
LK4-C16~LK4-C32

- Oldham type flexible coupling
- Allows high parallel and angular misalignments
- Zero backlash
- High torsional stiffness and response
- Simple configuration enable ease of assembly
- Clamp type


主体:铝合金材料
Body:Aluminum Alloy
LK4-C35S~LK4-C70S
LK4-C40~LK4-C63

选型举例：Ordering Information

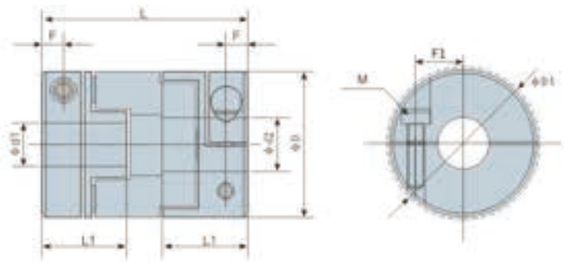
LK4 — C□□ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 无标志:标准型 Blank:Standard / S:短型 S:Short type
- 外径尺寸: Outside Dia

例：LK4-C32-10-14

LK4：系列号，材料为铝合金
C32：外径尺寸：32mm,夹紧螺丝固定
10：d1孔径为：10mm,公差为H8
14：d2孔径为：14mm,公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK4-C32-10-14
LK4: Series NO,Material:ALuminum Alloy
C32: Outside Dia:32mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1·d2 最小孔径 Min·Bore	d1·d2 最大孔径 Max·Bore	ΦD	ΦD1	L	F	F1	L1	M	拧紧力矩 Tightening Torque (N.m)
LK4-C12S-□□□-□□□	3	5	12	15	15	2.5	4.25	6.9	M2	0.4-0.5
LK4-C16S-□□□-□□□	3	6	16	18	21	3.5	5.5	9.9	M2.5	1.0-1.1
LK4-C20S-□□□-□□□	5	8	20	21	22.5	3.5	7.0	10.35	M2.5	1.0-1.1
LK4-C25S-□□□-□□□	6.35	10	25	26	27.5	4.0	8.75	12.42	M3	1.5-1.9
LK4-C32S-□□□-□□□	6.35	14	32	34.5	33	5.0	11.5	14.9	M4	3.4-4.1
LK4-C35S-□□□-□□□	10	16	35	36.5	35	5.5	12.75	16	M4	3.4-4.1
LK4-C44S-□□□-□□□	12	22	44	46.5	46	7.5	16.5	21.5	M5	7.0-8.5
LK4-C55S-□□□-□□□	18	25	55	58.5	57	9.5	20.25	27	M6	14-15
LK4-C70S-□□□-□□□	20	30	70	75	77	12.5	27.0	36.5	M8	27-30
LK4-C16-□□□-□□□	3	6	16	17	30	3.0	5.0	13	M2.5	1.0-1.1
LK4-C20-□□□-□□□	5	8	20	20	33	3.0	6.5	14	M2.5	1.0-1.1
LK4-C25-□□□-□□□	5	10	25	25.5	39	3.8	8.0	17	M3	1.5-1.9
LK4-C32-□□□-□□□	8	14	32	32.5	45	4.5	11.0	19.8	M4	3.4-4.1
LK4-C40-□□□-□□□	12	16	40	40.5	50	7.0	13.5	22.5	M5	7.0-8.5
LK4-C50-□□□-□□□	16	22	50	50.5	58	8.0	17	27	M6	14-15
LK4-C63-□□□-□□□	18	25	63	63	71	10	21.5	33	M8	27-30

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																					
	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	25	28	30
LK4-C12S-□□□-□□□	•	•	•																			
LK4-C16S-□□□-□□□	•	•	•	•																		
LK4-C20S-□□□-□□□			•	•	•	•	•															
LK4-C25S-□□□-□□□					•	•	•	•	•	•												
LK4-C32S-□□□-□□□					•	•	•	•	•	•	•	•	•									
LK4-C35S-□□□-□□□										•	•	•	•	•	•							
LK4-C44S-□□□-□□□												•	•	•	•	•	•	•	•			
LK4-C55S-□□□-□□□																•	•	•	•	•		
LK4-C70S-□□□-□□□																		•	•	•	•	•
LK4-C16-□□□-□□□	•	•	•	•																		
LK4-C20-□□□-□□□			•	•	•	•	•															
LK4-C25-□□□-□□□			•	•	•	•	•	•	•	•												
LK4-C32-□□□-□□□							•	•	•	•	•	•	•									
LK4-C40-□□□-□□□												•	•	•	•							
LK4-C50-□□□-□□□															•	•	•	•	•			
LK4-C63-□□□-□□□																•	•	•	•	•		

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	重量 N.W. (g)
LK4-C12S-□□□-□□□	0.2	52000	5.2×10^{-6}	25	0.6	3.0	3
LK4-C16S-□□□-□□□	0.4	39000	2.9×10^{-5}	29	1.0	3.0	8
LK4-C20S-□□□-□□□	0.7	31000	8.8×10^{-5}	58	1.4	3.0	13
LK4-C25S-□□□-□□□	1.2	25000	2.7×10^{-4}	140	1.9	3.0	24
LK4-C32S-□□□-□□□	2.8	19000	8.3×10^{-4}	280	2.5	3.0	48
LK4-C35S-□□□-□□□	4.5	16000	8.6×10^{-4}	290	2.5	3.0	68
LK4-C44S-□□□-□□□	12.5	13000	3.9×10^{-3}	560	3.0	3.0	130
LK4-C55S-□□□-□□□	20	10000	1.0×10^{-2}	840	3.5	3.0	240
LK4-C70S-□□□-□□□	40	8000	4.1×10^{-2}	2100	4.0	3.0	450
LK4-C16-□□□-□□□	0.7	39000	4.0×10^{-5}	31	1.0	3.0	11
LK4-C20-□□□-□□□	1.2	31000	1.1×10^{-4}	60	1.5	3.0	19
LK4-C25-□□□-□□□	2	25000	3.0×10^{-4}	140	2.0	3.0	35
LK4-C32-□□□-□□□	4.5	19000	9.3×10^{-4}	280	2.5	3.0	63
LK4-C40-□□□-□□□	9	15000	2.7×10^{-3}	540	3.0	3.0	120
LK4-C50-□□□-□□□	18	12000	7.9×10^{-3}	820	3.5	3.0	223
LK4-C63-□□□-□□□	36	10000	3.9×10^{-2}	1900	4.0	3.0	425

说明：

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为元件部份的实测值。

3.最高转速未考虑动平衡。

Note:

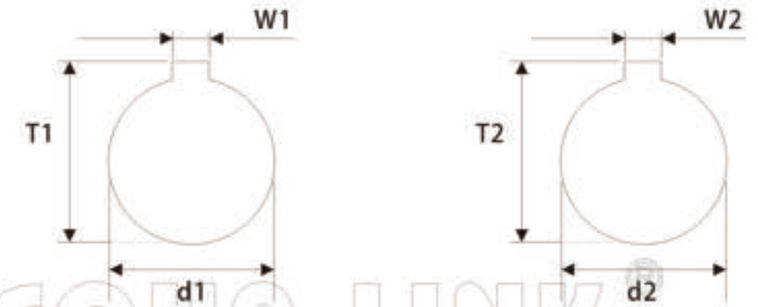
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK4 系列

LK4 Series

选项：夹紧螺丝加键槽固定，键槽尺寸

Clamp Keyway Type



单位 (unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK4-C32K-10-14

LK4：系列号，材料为铝合金
C32：外径尺寸：32mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽

Example:LK4-C32K-10-14
LK4: Series NO, Material : Aluminum alloy
C32: Outside Dia:32mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例:LK4-C32-10K-14

LK4：系列号，材料为铝合金
C32：外径尺寸：32mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽

Example: LK4-C32-10K-14
LK4: Series NO, Material : Aluminum alloy
C32: Outside Dia:32mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway

LK5 系列
LK5 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时,可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化,请避免此类情况。
5.弹性元件由薄薄的不锈钢膜片组成，使用时注意避免划伤。
6.插入安装轴前，请勿拧紧夹紧螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Plate springs consist of thin stainless steel diaphragms, when using, care should be taken to avoid scratches.
6. Do not tighten the clamping bolt before inserting the installation shaft.

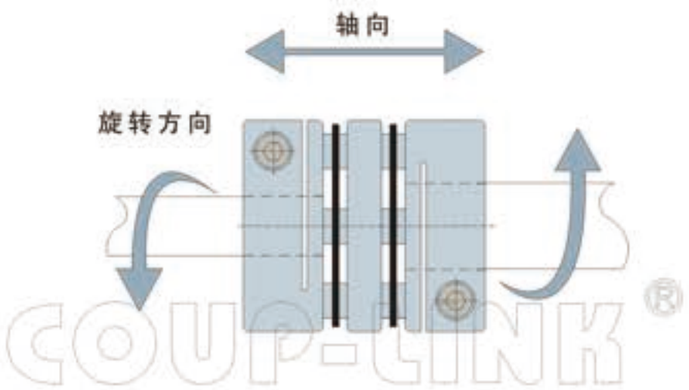
安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner diameter surface of the shaft and coupling. In particular, all kinds of greases which have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

3.在2根夹紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作确认左右同心度的简易方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the two clamping bolts are loose, make sure that the coupling can move slightly along the axis and rotation direction. If it can not move smoothly, please readjust the centering of the two axes. This method is recommended as a simple method to confirm the left and right concentricity. If the same method cannot be used, please use other measuring methods to confirm the installation accuracy.

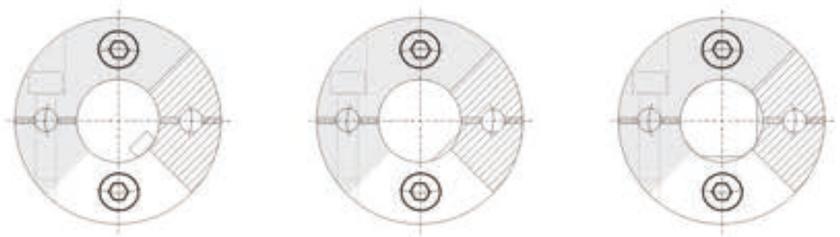
LK5 系列
LK5 Series



4.安装轴原则上为圆轴，当使用非圆轴时，请注意下图所示的安装位置。(请注意勿使键槽,D型切槽进入灰色部份一侧)
轴安装位置不当可能会造成联轴发生破损，轴夹持力下降。为获得令人满意的联轴器性能，我们建议使用圆轴。
Installation shaft is circular in principle. When using non-circular shaft, please pay attention to the installation position shown in the following figure. (Please pay attention not to make the keyway, D-groove into the grey part of the side), the improper installation of the shaft may cause damage to thecoupling,reduce the shaft clamping force. In order to obtain satisfactory coupling performance, we recommend the use of circular shafts.

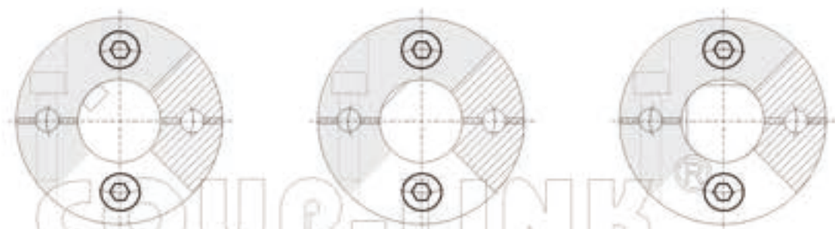
推荐安装方式:
RECOMMENDED INSTALLATION METHOD:

好的安装示例　　请注意勿使用键槽、D型切口进入▨填色部分一侧。

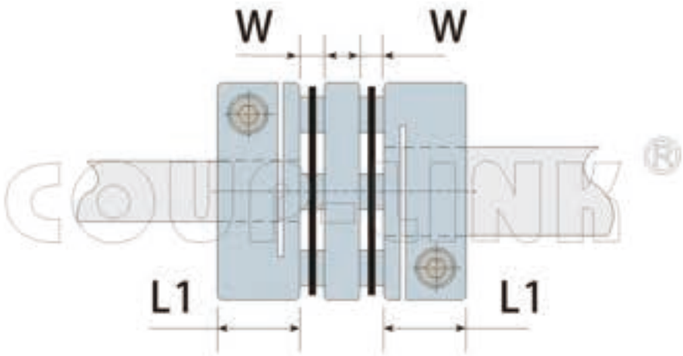


不推荐安装方式:
RINSTALLATION IS NOT RECOMMENDED:

不好的安装示例　　请注意勿使用键槽、D型切口进入▨填色部分一侧。



5.两边轴插入联轴器的长度如下图所示，使安装轴贯穿边节法兰全长(L1尺寸)，且不得与弹性元件及另一边的轴干涉。
请将夹紧法兰面到面尺寸(W尺寸)控制在相对于标准值的轴向位移允许误差范围内。
该值为假设偏心，偏角均为零时的允许值，请尽量调小。
The length of the insertion couplings on both sides of the shaft is shown in the figure below, so that the installation shaft runs through the full length of the flange at the side section (L1 size) and does not interfere with the elastic element and the other side of the shaft. Please control the clamping flange face-to-face dimension (W dimension) within the allowable error range of axial displacement relative to the standard value. This value is the allowable value for assuming eccentricity and zero offset angle. Please adjust it as small as possible.



6.确认轴向无压缩，拉伸等作用力后，请将两根夹紧螺栓拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按技术参数表的拧紧扭矩拧紧。
Please tighten the two clamping bolts after confirming that there is no compression, tension and other forces in the axial direction. When tightening the bolt, please use the calibrated torsion plate hand and tighten the torque according to the technical parameter table.

7.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti-loosening measure of clamping bolt, it is suggested that after running for a period of time, the correct tightening torque should be used again for tightening.

LK5 系列 I. 单节夹紧螺丝固定式(膜片联轴器)

LK5 Series I. Clamp Type(Single Plate Springs)

特点 Features

- 高扭矩刚性和高灵敏度
- 零回转间隙
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接
- 夹紧螺丝固定

主体：铝合金材料
Body：Aluminum Alloy

- High torque capacity and excellent response
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end- play
- For servomotor, stepmotor connect
- Clamp type

不锈钢一体化膜片组
LK5-C12~LK5-C104

选型举例： Ordering Information

LK5 — C□ - □□□ - □□□

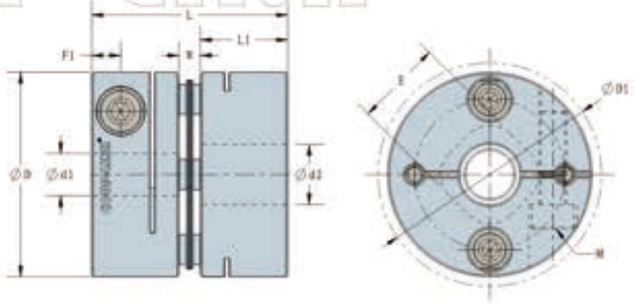
- 外径尺寸: Outside Dia
- d1轴径(小径): d1 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8

例：LK5-C34-10-14

LK5：系列号，材料为铝合金
C34：外径尺寸：34mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK5-C34-10-14

LK5: Series NO, Material :Aluminum alloy
C34:outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	D	L	D1	W	L1	F1	F2	E	M	拧紧力矩 Tightening Torque (N.m)
LK5-C12-□□□-□□□	3	5	12	12.35	12.5	0.55	5.9	1.8	4	5.5	M1.6	0.23-0.28
LK5-C15-□□□-□□□	3	5	15	16.45	17	1.25	7.6	2.5	5	5.4	M2	0.4-0.5
LK5-C16-□□□-□□□	3	6	16	17.0	17	1.25	7.9	2.6	4.8	6.2	M2	0.4-0.5
LK5-C19-□□□-□□□	3	8	19.5	20.7	21	2.3	9.2	3.35	6.5	8.5	M2.5	1.0-1.1
LK5-C26-□□□-□□□	4	10	26	25.5	27	2.8	11.35	4	9	10.6	M3	1.5-1.9
LK5-C27-□□□-□□□	4	14	27	24.8	27.5	2.8	11	3.85	10	14.5	M3	1.5-1.9
LK5-C30-□□□-□□□	6	14	30	25.8	30	3.1	11.4	4	10	14.5	M3	1.5-1.9
LK5-C34S-□□□-□□□	6.35	14	34	30.4	34	3.6	13.4	4.75	12	14.5	M4	3.4-4.1
LK5-C34-□□□-□□□	6.35	14	34	32.6	34	3.6	14.5	4.75	12	14.5	M4	3.4-4.1
LK5-C39-□□□-□□□	8	16	39	34.5	39	4.5	15.0	5	13	17.1	M4	3.4-4.1
LK5-C44-□□□-□□□	9	19	44	34.8	44	4.8	15.0	5	16	20.5	M4	3.4-4.1
LK5-C50-□□□-□□□	10	22	50	40.5	52	5.5	17.5	5.75	19	23	M5	7.0-8.5
LK5-C56-□□□-□□□	11	24	56	45.5	56	5.5	20.0	6.9	22	26	M5	7.0-8.5
LK5-C62-□□□-□□□	14	30	62	51.0	62	3.0	24.0	7.55	23	30.5	M6	14-15
LK5-C68-□□□-□□□	14	35	68	54.0	68	6.0	24.0	7.55	26.5	31	M6	14-15
LK5-C82-□□□-□□□	18	38	82	68.0	82	8.0	30.0	9.4	30.5	38	M8	27-30
LK5-C94-□□□-□□□	25	40	94	68.5	94	8.5	30.0	9.4	36	41	M10	55-60
LK5-C104-□□□-□□□	35	45	104	70.0	104	10.0	30.0	9.9	41	45	M10	55-60

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, If other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																														
	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45
LK5-C12-□□□-□□□	•	•	•																										
LK5-C15-□□□-□□□	•	•	•																										
LK5-C16-□□□-□□□	•	•	•	•																									
LK5-C19-□□□-□□□	•	•	•	•	•	•	•																						
LK5-C26-□□□-□□□		•	•	•	•	•	•	•	•	•																			
LK5-C27-□□□-□□□		•	•	•	•	•	•	•	•	•	•	•	•																
LK5-C30-□□□-□□□				•	•	•	•	•	•	•	•	•	•																
LK5-C34S-□□□-□□□					•	•	•	•	•	•	•	•	•																
LK5-C34-□□□-□□□					•	•	•	•	•	•	•	•	•																
LK5-C39-□□□-□□□							•	•	•	•	•	•	•	•	•														
LK5-C44-□□□-□□□								•	•	•	•	•	•	•	•	•	•												
LK5-C50-□□□-□□□										•	•	•	•	•	•	•	•	•	•										
LK5-C56-□□□-□□□											•	•	•	•	•	•	•	•	•	•									
LK5-C62-□□□-□□□													•	•	•	•	•	•	•	•	•	•	•						
LK5-C68-□□□-□□□													•	•	•	•	•	•	•	•	•	•	•	•					
LK5-C82-□□□-□□□																•	•	•	•	•	•	•	•	•	•				
LK5-C94-□□□-□□□																					•	•	•	•	•	•	•		
LK5-C104-□□□-□□□																										•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK5-C12-□□□-□□□	0.25	10000	5.9×10^{-6}	266	0.01	0.5	±0.04	3
LK5-C15-□□□-□□□	0.6	10000	2.6×10^{-7}	395	0.02	0.5	±0.05	6
LK5-C16-□□□-□□□	0.6	10000	2.63×10^{-7}	510	0.02	0.5	±0.05	7
LK5-C19-□□□-□□□	1.0	10000	6.33×10^{-7}	1400	0.02	1	±0.1	12
LK5-C26-□□□-□□□	2.0	10000	2.61×10^{-6}	3700	0.02	1	±0.15	27
LK5-C27-□□□-□□□	2.2	10000	2.8×10^{-6}	3900	0.02	1	±0.15	30
LK5-C30-□□□-□□□	4.0	10000	4.09×10^{-6}	5700	0.02	1	±0.2	34
LK5-C34S-□□□-□□□	5.0	10000	8.55×10^{-6}	8100	0.02	1	±0.2	54
LK5-C34-□□□-□□□	5.0	10000	9.62×10^{-6}	8100	0.02	1	±0.2	58
LK5-C39-□□□-□□□	10	10000	1.68×10^{-5}	18000	0.02	1	±0.25	82
LK5-C44-□□□-□□□	12	10000	2.48×10^{-5}	20000	0.02	1	±0.3	102
LK5-C50-□□□-□□□	15	10000	4.75×10^{-5}	26000	0.02	1	±0.4	157
LK5-C56-□□□-□□□	25	10000	8.86×10^{-5}	32000	0.02	1	±0.4	219
LK5-C62-□□□-□□□	40	10000	1.53×10^{-4}	50000	0.02	1	±0.42	309
LK5-C68-□□□-□□□	60	10000	2.12×10^{-4}	70000	0.02	1	±0.45	356
LK5-C82-□□□-□□□	100	10000	5.65×10^{-4}	90000	0.02	1	±0.55	651
LK5-C94-□□□-□□□	180	10000	1.0×10^{-3}	100000	0.02	1	±0.65	982
LK5-C104-□□□-□□□	250	10000	1.45×10^{-3}	120000	0.02	1	±0.75	1209

说明:

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为单个元件的实测值。

3.最高转速未考虑动平衡。

Note:

1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torsional elasticity is the measured value of a single component.
3. The maximum speed does not consider dynamic balance.

LK5 系列 II.单节夹紧锥轴固定式(膜片联轴器)

LK5 Series II. Clamp Taper Shaft Type(Single Plate Springs)

特点 Features

- 高扭矩刚性和高灵敏度
- 零回转间隙
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接
- 夹紧螺丝锥轴固定

- High torque capacity and excellent response
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end- play
- For servomotor, stepmotor connect
- Clamp taper shaft type

不锈钢一体化膜片组
LK5-C44~LK5-C82

选型举例：Ordering Information

LK5 — C□ - □□□ - □□T

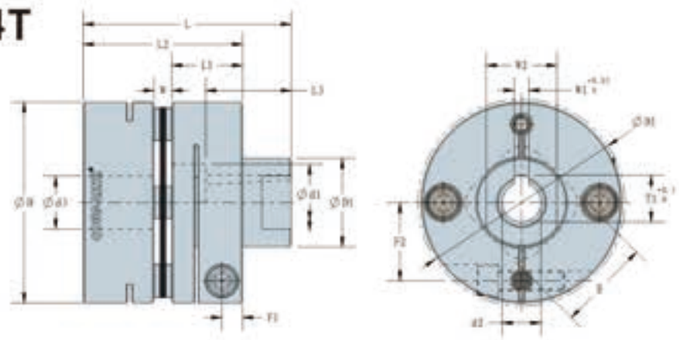
- 表示锥轴
- 锥轴尺寸：taper bore — 11：锥轴尺寸为 11mm,锥度为1/10；14：锥轴尺寸为 14mm,锥度为1/10；16：锥轴尺寸为 16mm,锥度为1/10
- 孔径公差：bore tolerance — 无标志:H8 Blank:H8；H7;G7;F8
- d1轴径(小径)：d1 Bore
- 外径尺寸：Outside Dia

例：LK5-C50-10-14T

LK5：系列号，材料为铝合金
C50：外径尺寸：50mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14T：d2锥孔孔径为：14mm,锥度为1/10

Example: LK5-C50-10-14T

LK5: Series NO, Material : Aluminum alloy
C50: Outside Dia:50mm,Clamp Type
10: d1 Bore: 10mm,H8
14T: d2 Taper Bore: 14mm



外型尺寸 Dimensions

单位(unit)：mm

型号 Model	D	L	W	L1	L2	D1	d1	d2	W1	T1	W2	L3	F1	F2	E	M	拧紧力矩 Tightening Torque (N.m)
LK5-C44-□□□-11T	44	44.8	4.8	15.0	34.8	22	17	11	4	12.2	18	16.0	5	16	20.5	M4	3.4-4.1
LK5-C50-□□□-11T	50	48	5.5	17.5	40.5	22	17	11	4	12.2	18	16.0	5.75	19	23	M5	7.0-8.5
LK5-C56-□□□-11T	56	50.5	5.5	20.0	45.5	22	17	11	4	12.2	18	16.0	6.9	22	26	M5	7.0-8.5
LK5-C56-□□□-14T	56	56	5.5	20.0	45.5	28	22	14	4	15.1	24	19.0	6.9	22	26	M5	7.0-8.5
LK5-C56-□□□-16T	56	66	5.5	20.0	45.5	30	26	16	5	17.3	24	29.0	6.9	22	26	M5	7.0-8.5
LK5-C62-□□□-14T	62	57.5	3	24.0	51	28	22	14	4	15.1	24	19.0	7.55	23	30.5	M6	14-15
LK5-C62-□□□-16T	62	67.5	3	24.0	51	30	26	16	5	17.3	24	29.0	7.55	23	30.5	M6	14-15
LK5-C68-□□□-16T	68	70.5	6	24.0	54	30	26	16	5	17.3	24	29.0	7.55	26.5	31	M6	14-15
LK5-C82-□□□-16T	82	78.5	8	30.0	68	30	26	16	5	17.3	24	29.0	9.4	30.5	38	M8	27-30

标准孔径 Standard Bore Diameter

单位(unit)：mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																	
	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35
LK5-C44-□□□-11T	•	•	•	•	•	•	•	•	•	•								
LK5-C50-□□□-11T			•	•	•	•	•	•	•	•	•	•						
LK5-C56-□□□-11T				•	•	•	•	•	•	•	•	•	•					
LK5-C56-□□□-14T				•	•	•	•	•	•	•	•	•	•					
LK5-C56-□□□-16T				•	•	•	•	•	•	•	•	•	•					
LK5-C62-□□□-14T						•	•	•	•	•	•	•	•	•	•	•		
LK5-C62-□□□-16T						•	•	•	•	•	•	•	•	•	•	•		
LK5-C68-□□□-16T						•	•	•	•	•	•	•	•	•	•	•	•	•
LK5-C82-□□□-16T									•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit)：mm

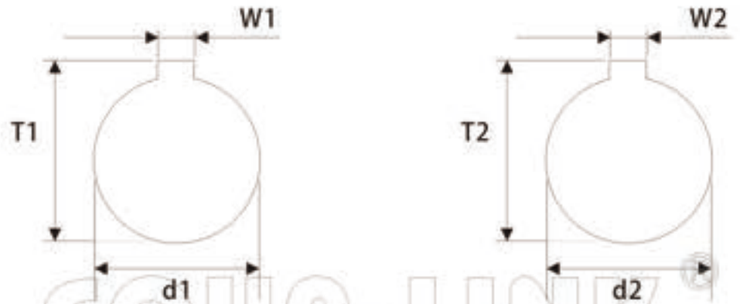
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK5-C44-□□□-11T	12	10000	8.50×10^{-4}	20000	0.02	1	±0.3	150
LK5-C50-□□□-11T	15	10000	6.02×10^{-3}	26000	0.02	1	±0.4	200
LK5-C56-□□□-11T	25	10000	1.05×10^{-3}	32000	0.02	1	±0.4	276
LK5-C56-□□□-14T	25	10000	1.11×10^{-3}	32000	0.02	1	±0.4	305
LK5-C56-□□□-16T	25	10000	1.16×10^{-3}	32000	0.02	1	±0.4	340
LK5-C62-□□□-14T	40	10000	1.96×10^{-3}	50000	0.02	1	±0.42	424
LK5-C62-□□□-16T	40	10000	2.03×10^{-3}	50000	0.02	1	±0.42	460
LK5-C68-□□□-16T	60	10000	2.82×10^{-3}	70000	0.02	1	±0.45	537
LK5-C82-□□□-16T	100	10000	6.91×10^{-3}	90000	0.02	1	±0.55	845

LK5 系列

LK5 Series

选项：适用键槽轴，键槽尺寸

Clamp Keyway Type(Single Plate Springs)



键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

单位 (unit)：mm

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK5 — C □□ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK5-C34K-10-14

LK5：系列号，材料为铝合金
C34：外径尺寸：34mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽

Example: LK5-C34K-10-14

LK5: Series NO, Material :Aluminum alloy
C34:Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例：LK5-C34-10K-14

LK5：系列号，材料为铝合金
C34：外径尺寸：34mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽

Example: LK5-C34-10K-14

LK5: Series NO, Material: Aluminum alloy
C34:Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10 bore standard keyway

LK5 系列

LK5 Series

III.多节夹紧螺丝固定式(膜片联轴器)

III.Clamp Type(Double Plate Springs)

特点 Features

- 高扭矩刚性和高灵敏度
- 零回转间隙
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接
- 夹紧螺丝固定

- High torque capacity and excellent response
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end- play
- For servomotor, stepmotor connect
- Clamp type

不锈钢一体化膜片组
LK5-C12WP~LK5-C104WP

选型举例：Ordering Information

LK5 — C□ - □□□ - □□□WP

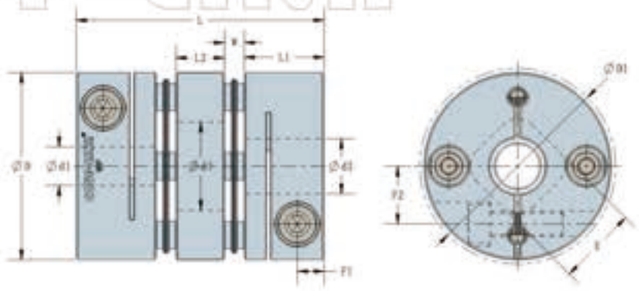
- d1轴径(小径)：d1 Bore
- d2轴径(大径)：d2 Bore
- 外径尺寸：Outside Dia
- 孔径公差：bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- 孔径公差：bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8

例：LK5-C56-20-24WP

LK5：系列号，材料为铝合金
C56：外径尺寸：56mm,夹紧螺丝固定
20：d1孔径为：20mm,内孔公差为H8
24：d2孔径为：24mm，内孔公差为H8
WP：双膜片
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example：LK5-C56-20-24WP

LK5: Series NO, Material: Aluminum Alloy
C56: Outside Dia: 56mm, Clamp Type
20: d1 Bore 20m,H8
24: d2 Bore 24m,H8
WP:double plate springs
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	D	L	D1	W	L1	L2	F1	F2	d3	E	M	拧紧力矩 Tightening Torque (N.m)
LK5-C12-□□□-□□□WP	3	5	12	15.9	12.5	0.55	5.9	3.0	1.8	4	5.6	5.5	M1.6	0.23-0.28
LK5-C15-□□□-□□□WP	3	5	15	20	17	1.25	7.6	2.3	2.5	5	5	5.4	M2	0.4-0.5
LK5-C16-□□□-□□□WP	3	6	16	23	17	1.25	7.9	4.8	2.6	4.8	6.5	6.2	M2	0.4-0.5
LK5-C19-□□□-□□□WP	3	8	19.5	27.8	21	2.3	9.2	4.8	3.35	6.5	8.5	8.5	M2.5	1.0-1.1
LK5-C26-□□□-□□□WP	4	10	26	35	27	2.8	11.35	6.7	4	9	12.5	10.6	M3	1.5-1.9
LK5-C27-□□□-□□□WP	4	14	27	32.9	27.5	2.8	11	5.3	3.85	10	14.5	14.5	M3	1.5-1.9
LK5-C30-□□□-□□□WP	6	14	30	35	30	3.1	11.4	6.1	4	10	16	14.5	M3	1.5-1.9
LK5-C34S-□□□-□□□WP	6.35	14	34	41	34	3.6	13.4	7.0	4.75	12	16	14.5	M4	3.4-4.1
LK5-C34-□□□-□□□WP	6.35	14	34	45	34	3.6	14.5	8.8	4.75	12	16	14.5	M4	3.4-4.1
LK5-C39-□□□-□□□WP	8	16	39	49	39	4.5	15.0	10.0	5	13	17	17.1	M4	3.4-4.1
LK5-C44-□□□-□□□WP	9	19	44	50	44	4.8	15.0	10.4	5	16	20	20.5	M4	3.4-4.1
LK5-C50-□□□-□□□WP	10	22	50	57	52	5.5	17.5	11.0	5.75	19	24	23	M5	7.0-8.5
LK5-C56-□□□-□□□WP	11	24	56	63	56	5.5	20.0	12.0	6.9	22	28	26	M5	7.0-8.5
LK5-C62-□□□-□□□WP	14	30	62	69.5	62	3.0	24.0	15.5	7.55	23	31	30.5	M6	14-15
LK5-C68-□□□-□□□WP	14	35	68	74	68	6.0	24.0	14.0	7.55	26.5	36	31	M6	14-15
LK5-C82-□□□-□□□WP	18	38	82	98	82	8.0	30.0	22.0	9.4	30.5	41	38	M8	27-30
LK5-C94-□□□-□□□WP	25	40	94	98	94	8.5	30.0	21.0	9.4	36	41	41	M10	55-60
LK5-C104-□□□-□□□WP	35	45	104	102	104	10.0	30.0	22.0	9.9	41	46	45	M10	55-60

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																													
	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45
LK5-C12-□□□-□□□WP	•	•	•																											
LK5-C15-□□□-□□□WP	•	•	•																											
LK5-C16-□□□-□□□WP	•	•	•	•																										
LK5-C19-□□□-□□□WP	•	•	•	•	•	•	•																							
LK5-C26-□□□-□□□WP		•	•	•	•	•	•	•	•	•																				
LK5-C27-□□□-□□□WP		•	•	•	•	•	•	•	•	•	•	•	•																	
LK5-C30-□□□-□□□WP				•	•	•	•	•	•	•	•	•	•																	
LK5-C34S-□□□-□□□WP					•	•	•	•	•	•	•	•	•																	
LK5-C34-□□□-□□□WP					•	•	•	•	•	•	•	•	•																	
LK5-C39-□□□-□□□WP							•	•	•	•	•	•	•	•	•															
LK5-C44-□□□-□□□WP								•	•	•	•	•	•	•	•	•	•													
LK5-C50-□□□-□□□WP										•	•	•	•	•	•	•	•	•	•											
LK5-C56-□□□-□□□WP											•	•	•	•	•	•	•	•	•	•										
LK5-C62-□□□-□□□WP													•	•	•	•	•	•	•	•	•	•	•							
LK5-C68-□□□-□□□WP													•	•	•	•	•	•	•	•	•	•	•	•						
LK5-C82-□□□-□□□WP															•	•	•	•	•	•	•	•	•	•	•					
LK5-C94-□□□-□□□WP																					•	•	•	•	•	•	•			
LK5-C104-□□□-□□□WP																										•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK5-C12-□□□-□□□WP	0.25	10000	7.67×10^{-6}	133	0.03	1	±0.08	3.7
LK5-C15-□□□-□□□WP	0.6	10000	3.45×10^{-5}	196	0.04	1	±0.1	7
LK5-C16-□□□-□□□WP	0.6	10000	3.58×10^{-5}	255	0.05	1	±0.1	10
LK5-C19-□□□-□□□WP	1.0	10000	9.1×10^{-5}	700	0.11	2	±0.2	17
LK5-C26-□□□-□□□WP	2.0	10000	3.61×10^{-4}	1850	0.15	2	±0.33	37
LK5-C27-□□□-□□□WP	2.2	10000	4.4×10^{-4}	2200	0.15	2	±0.33	40
LK5-C30-□□□-□□□WP	4.0	10000	6.18×10^{-4}	2850	0.16	2	±0.38	46
LK5-C34S-□□□-□□□WP	5.0	10000	1.19×10^{-3}	4050	0.18	2	±0.4	72
LK5-C34-□□□-□□□WP	5.0	10000	1.33×10^{-3}	4050	0.18	2	±0.4	80
LK5-C39-□□□-□□□WP	10	10000	2.58×10^{-3}	9000	0.24	2	±0.5	118
LK5-C44-□□□-□□□WP	12	10000	4.23×10^{-3}	10000	0.24	2	±0.6	150
LK5-C50-□□□-□□□WP	15	10000	8.18×10^{-3}	13000	0.26	2	±0.7	222
LK5-C56-□□□-□□□WP	25	10000	1.41×10^{-4}	16000	0.28	2	±0.8	307
LK5-C62-□□□-□□□WP	40	10000	2.52×10^{-4}	25000	0.31	2	±0.84	431
LK5-C68-□□□-□□□WP	60	10000	3.57×10^{-4}	35000	0.34	2	±0.9	499
LK5-C82-□□□-□□□WP	100	10000	1.02×10^{-3}	45000	0.52	2	±1.1	1004
LK5-C94-□□□-□□□WP	180	10000	1.79×10^{-3}	50000	0.52	2	±1.3	1400
LK5-C104-□□□-□□□WP	250	10000	2.76×10^{-3}	60000	0.55	2	±1.5	1765

说明:

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为单个元件的实测性。

3.最高转速未考虑动平衡。

Note:

1. Moment of inertia and mass figures based on the maximum shaft bores
2. Number of Torsional Elasticity as a Single Element
3. The maximum speed does not consider dynamic balance.

LK5 系列 IV.多节夹紧锥轴固定式(膜片联轴器)

LK5 Series IV.Clamp Taper Shaft Type(Single Plate Springs)

特点 Features

- 高扭矩刚性和高灵敏度
- 零回转间隙
- 顺时针与逆时针回转特性完全相同
- 常用于伺服电机、步进电机联接
- 夹紧螺丝锥轴固定

主体：铝合金材料
Body：Aluminum Alloy

- High torque capacity and excellent response
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- For servomotor, stepmotor connect
- Clamp type

不锈钢一体化膜片组
LK5-C44WP~LK5-C82WP

选型举例：Ordering Information

LK5 — C□ - □□□ - □□ T WP

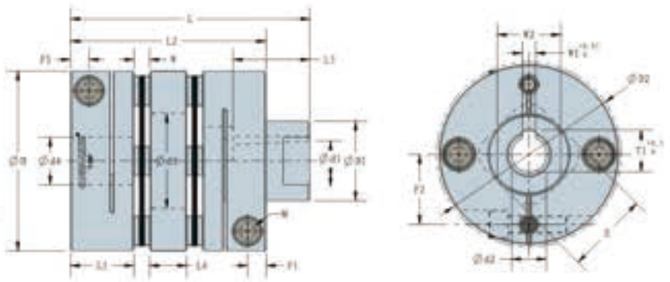
- 表示锥轴
- 锥轴尺寸：taper bore
  - 11：锥轴尺寸为 11mm,锥度为1/10
  - 14：锥轴尺寸为 14mm,锥度为1/10
  - 16：锥轴尺寸为 16mm,锥度为1/10
- 孔径公差：bore tolerance
  - 无标志：H8
  - Blank:H8
  - H7;G7;F8
- d1轴径(小径)：d1 Bore
- 外径尺寸：Outside Dia

例：LK5-C56-10-14TWP

LK5：系列号，材料为铝合金
C56：外径尺寸：56mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14T：d2锥轴孔径为：14mm,锥度1/10
WP：双膜片

Example：LK5-C56-10-14TWP

LK5: Series NO, Material: Aluminum alloy
C56: Outside Dia:56mm,Clamp Type
10: d1 Bore: 10mm,H8
14T: d2 Cone axis: 14mm, taper:1/10
WP: double plate springs



外型尺寸 Dimensions

单位(unit)：mm

型号 Model	D	L	W	L1	L2	D1	d1	d2	W1	T1	W2	L3	F1	F2	E	d3	M	拧紧力矩 Tightening Torque (N.m)
LK5-C44-□□□-11TWP	44	60	4.8	15.0	50	22	17	11	4	12.2	18	16.0	5	16	20.5	20	M4	3.4-4.1
LK5-C50-□□□-11TWP	50	64.5	5.5	17.5	57	22	17	11	4	12.2	18	16.0	5.75	19	23	24	M5	7.0-8.5
LK5-C56-□□□-11TWP	56	68	5.5	20.0	63	22	17	11	4	12.2	18	16.0	6.9	22	26	28	M5	7.0-8.5
LK5-C56-□□□-14TWP	56	73.5	5.5	20.0	63	28	22	14	4	15.1	24	19.0	6.9	22	26	28	M5	7.0-8.5
LK5-C56-□□□-16TWP	56	83.5	5.5	20.0	63	30	26	16	5	17.3	24	29.0	6.9	22	26	28	M5	7.0-8.5
LK5-C62-□□□-14TWP	62	76	3	24.0	69.5	28	22	14	4	15.1	24	19.0	7.55	23	30.5	31	M5	14-15
LK5-C62-□□□-16TWP	62	86	3	24.0	69.5	30	26	16	5	17.3	24	29.0	7.55	23	30.5	31	M5	14-15
LK5-C68-□□□-16TWP	68	90.5	6	24.0	74	30	26	16	5	17.3	24	29.0	7.55	26.5	31	36	M6	14-15
LK5-C82-□□□-16TWP	82	108.5	8	30.0	98	30	26	16	5	17.3	24	29.0	9.4	30.5	38	41	M8	27-30

标准孔径 Standard Bore Diameter

单位(unit)：mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																	
	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35
LK5-C44-□□□-11TWP	•	•	•	•	•	•	•	•	•	•								
LK5-C50-□□□-11TWP			•	•	•	•	•	•	•	•	•	•						
LK5-C56-□□□-11TWP				•	•	•	•	•	•	•	•	•	•					
LK5-C56-□□□-14TWP				•	•	•	•	•	•	•	•	•	•					
LK5-C56-□□□-16TWP				•	•	•	•	•	•	•	•	•	•					
LK5-C62-□□□-14TWP						•	•	•	•	•	•	•	•	•	•			
LK5-C62-□□□-16TWP						•	•	•	•	•	•	•	•	•	•			
LK5-C68-□□□-16TWP						•	•	•	•	•	•	•	•	•	•	•	•	•
LK5-C82-□□□-16TWP									•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

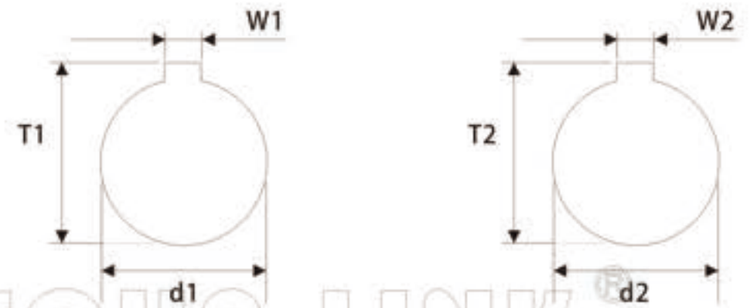
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 Mass (g)
LK5-C44-□□□-11TWP	12	10000	2.16×10^{-3}	10000	0.24	2	±0.6	192
LK5-C50-□□□-11TWP	15	10000	8.39×10^{-3}	13000	0.26	2	±0.7	265
LK5-C56-□□□-11TWP	25	10000	1.43×10^{-4}	16000	0.28	2	±0.8	355
LK5-C56-□□□-14TWP	25	10000	1.49×10^{-4}	16000	0.28	2	±0.8	387
LK5-C56-□□□-16TWP	25	10000	1.45×10^{-4}	16000	0.28	2	±0.8	365
LK5-C62-□□□-14TWP	40	10000	2.61×10^{-4}	25000	0.31	2	±0.84	521
LK5-C62-□□□-16TWP	40	10000	2.67×10^{-4}	25000	0.31	2	±0.84	556
LK5-C68-□□□-16TWP	60	10000	3.78×10^{-4}	35000	0.34	2	±0.9	675
LK5-C82-□□□-16TWP	100	10000	1.04×10^{-3}	45000	0.52	2	±1.1	1158

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为单个元件的实测值。
3.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores
2. Number of Torsional Elasticity as a Single Element
3. The maximum speed does not consider dynamic balance.

LK5 系列 选项:适用键槽轴,键槽尺寸

LK5 Series Clamp Keyway Type(Single Plate Springs)



单位 (unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are keyed, K is added after the outer diameter of the coupling.
When only one bore is keyed, K is added after the tolerance of the bore of the keyway.
No K is added after the front outer diameter. The non-standard keyway must provide keyway drawings.

例：LK5-C34K-10-14WP

LK5：系列号，材料为铝合金
C34：外径尺寸：34mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽
WP：双膜片

Example: LK5-C34K-10-14WP
LK5: Series NO, Material :Aluminum alloy
C34: Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
WP: Double plate springs

例：LK5-C34-10K-14WP

LK5：系列号，材料为铝合金
C34：外径尺寸：34mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽

Example: LK5-C34-10K-14WP
LK5: Series NO, Material: Aluminum alloy
C34: Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10 bore standard keyway

LK6 系列
LK6 Series

使用注意事项：
CAUTIONS:

1. 请务必遵守偏心，偏角，轴向的允许公差。
2. 螺栓类请务必以指定的扭矩拧紧。
3. 插入安装轴前，请勿拧紧夹紧螺栓或定位螺丝。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓，定位螺丝有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt and positioning screw of the coupling are loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入联接轴。插入时，请勿在联轴器上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the coupling shaft. When inserting, do not apply too much compression and tensile force on the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在夹紧螺栓或定位螺丝处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the clamping bolt or positioning screw is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If the movement is not smooth, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.安装轴原则上为圆轴，当使用非圆轴时，请注意下图所示的安装位置。(请注意勿使键槽，D型切槽进入灰色部份一侧)，轴安装位置不当可能会造成联轴发生破损，轴夹持力下降。为获得令人满意的联轴器性能，我们建议使用圆轴。
In principle, the installation shaft is a circular shaft. When using a non-circular shaft, pleasepayattentionto the installation position shown in the figure below. (please pay attention not to make the keyway, d-groove enter the gray part of the side). Improper installation position of the shaft may cause damage to the coupling and decrease the shaft clamping force. To obtain satisfactory coupling performance, we recommend the use of round shafts.

推荐安装方式：
RECOMMENDED INSTALLATION METHOD:

好的安装示例

请注意勿使用键槽、D型切口进入□填色部分一侧。

不推荐安装方式：
INSTALLATION IS NOT RECOMMENDED:

不好的安装示例

请注意勿使用键槽、D型切口进入□填色部分一侧。

5.确认轴向无压缩，拉伸等作用力后，请将夹紧螺栓或定位螺丝拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按参数表所列的紧固扭矩范围内进行拧紧。
After confirming that there is no compression, tension and other forces in the axial direction, please tighten the clamping bolt or positioning screw. When tightening the bolts, use a calibrated torque wrench and tighten according to the tightening torque range listed in the parameter table.

6.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti loose measure of clamping bolt, it is recommended to use correct tightening torque again for re tightening after a period of operation.

LK6 系列 LK6 Series

I.定位螺丝固定波纹式（波纹管联轴器）
I. Setscrew Type(Bellows)

特点 Features

- 高扭矩刚性和灵敏度
- 零回转间隙
- 波纹管结构补偿径向、角向和轴向偏差
- 顺时针与逆时针回转特性完全相同
- 定位螺丝固定

主体：铝合金材料
Body:Aluminum Alloy
LK6-20~LK6-55

- High torque capacity and excellent response
- Zero backlash
- Spring action bellows configuration absorbs parallel, angular misalignments and shaft end-play
- Identical clockwise and anticlockwise rotational characteristics
- Setscrew type

主体：铝合金材料
Body:Aluminum Alloy
LK6-10~LK6-16

选型举例： Ordering Information

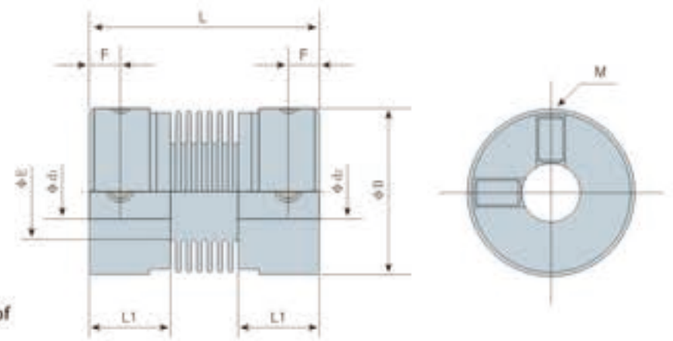
LK6 — □ - □□□ - □□□

- 外径尺寸: Outside Dia
- d1轴径（小径）: d1 Bore
  - 孔径公差: bore tolerance：无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
  - 孔径公差: bore tolerance：无标志:H8 / Blank:H8 / H7;G7;F8

例：LK6-25-08-10

LK6：系列号，材料为铝合金
25：外径尺寸：25mm，定位螺丝固定
08：d1孔径为：08mm，孔公差为H8
10：d2孔径为：10mm，孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK6-25-08-10
LK6: Series NO,Material: Aluminum Alloy
25: Outside Dia: 25mm,Setscrew Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1 · d2		ΦD	L	L1	F	E	M	拧紧力矩 Tightening Torque (N.m)
	最小孔径 Min-Bore	最大孔径 Max-Bore							
LK6-10-□□□-□□□	2	4	10	18	4.75	2.5	6	M2	0.4
LK6-12-□□□-□□□	3	6.35	12	23.5	7.5	3.0	7	M2.5	0.5
LK6-16-□□□-□□□	3	8	16	27	9.45	3.0	9.5	M3	0.7
LK6-20-□□□-□□□	4	12	20	29	10.4	3.0	12.5	M4	1.9
LK6-25-□□□-□□□	5	12	25	34	11.4	4.0	16	M4	1.9
LK6-32-□□□-□□□	8	14	32	38	11.65	4.0	22	M4	1.9
LK6-32L-□□□-□□□	8	14	32	49	11.65	4.0	22	M4	1.9
LK6-40-□□□-□□□	10	16	40	51	15.9	4.5	27	M5	3.7
LK6-55-□□□-□□□	12	24	55	57	15	5.0	37.5	M6	6.3

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																				
	2	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24
LK6-10-□□□-□□□	•	•	•																		
LK6-12-□□□-□□□		•	•	•	•	•															
LK6-16-□□□-□□□		•	•	•	•	•	•	•													
LK6-20-□□□-□□□			•	•	•	•	•	•	•	•	•	•	•								
LK6-25-□□□-□□□				•	•	•	•	•	•	•	•	•	•								
LK6-32-□□□-□□□								•	•	•	•	•	•	•							
LK6-32L-□□□-□□□								•	•	•	•	•	•	•							
LK6-40-□□□-□□□											•	•	•	•	•	•					
LK6-55-□□□-□□□													•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK6-10-□□□-□□□	0.2	28000	3.0×10^{-6}	78	0.1	1.5	+0.3 -1.0	3.4
LK6-12-□□□-□□□	0.3	25000	9.0×10^{-6}	81	0.1	1.5	+0.3 -1.0	4.5
LK6-16-□□□-□□□	0.8	20000	3.8×10^{-5}	100	0.1	1.5	+0.3 -1.0	9.7
LK6-20-□□□-□□□	1.5	15000	9.5×10^{-5}	160	0.1	1.5	+0.3 -1.0	14
LK6-25-□□□-□□□	2.0	13000	2.6×10^{-4}	220	0.15	2.0	+0.5 -1.3	28
LK6-32-□□□-□□□	2.5	10000	7.9×10^{-4}	310	0.2	2.0	+0.5 -1.3	52
LK6-32L-□□□-□□□	2.5	10000	8.9×10^{-4}	310	0.2	2.0	+0.5 -1.3	57
LK6-40-□□□-□□□	10	8000	3.2×10^{-3}	520	0.2	2.0	+0.7 -1.5	132
LK6-55-□□□-□□□	25	6000	1.1×10^{-2}	850	0.2	2.0	+0.7 -1.5	240

说明:

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为元件部份的测量值。

3.最高转速未考虑动平衡。

Note:

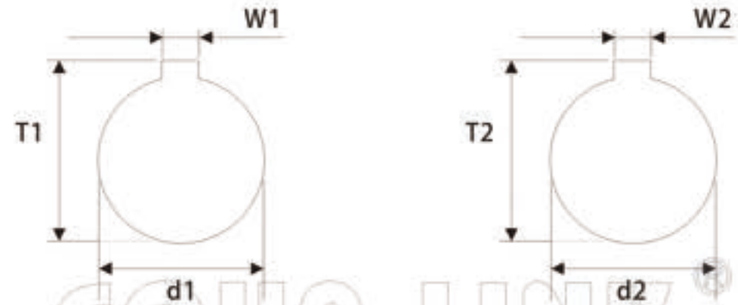
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK6 系列

LK6 Series

选项：定位螺丝加键槽固定，键槽尺寸

Setscrew Keyway Type



单位 (unit)：mm

键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK6 — □□ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K:键槽标志 Keyway
- 外径尺寸: Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK6-20K-08-10

LK6：系列号，材料为铝合金
20：外径尺寸：20mm定位螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示08,10两孔都加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK6-20K-08-10

LK6: Series NO, Material :Aluminum alloy
20:Outside Dia:20mm,Setcrew Type
08: d1 Bore: 10mm,H8
10: d2 Bore: 10mm,H8
K: 08,10 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

例：LK6-20-08K-10

LK6：系列号，材料为铝合金
20：外径尺寸：20mm定位螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示只有08孔加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK6-20-08K-10

LK6: Series NO, Material： Aluminum alloy
20:Outside Dia:20mm,Setcrew Type
08: d1 Bore: 10mm,H8
10: d2 Bore: 10mm,H8
K: 08 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

LK6 系列

LK6 Series

II.夹紧螺丝固定波纹式(波纹管联轴器)

II.Clamp Type(Bellows)

特点 Features

- 高扭矩刚性和灵敏度
- 零回转间隙
- 波纹管结构补偿径向、角向和轴向偏差
- 顺时针与逆时针回转特性完全相同
- 夹紧螺丝固定

主体:铝合金材料
Body:Aluminum Alloy
LK6-C20~LK6-C82

- High torque capacity and excellent response
- Zero backlash
- Spring action bellows configuration absorbs parallel, angular misalignments and shaft end-play
- Identical clockwise and anticlockwise rotational characteristics
- Clamp type

主体:铝合金材料
Body:Aluminum Alloy
LK6-C12~LK6-C16

选型举例: Ordering Information

LK6 — C□ - □□□ - □□□

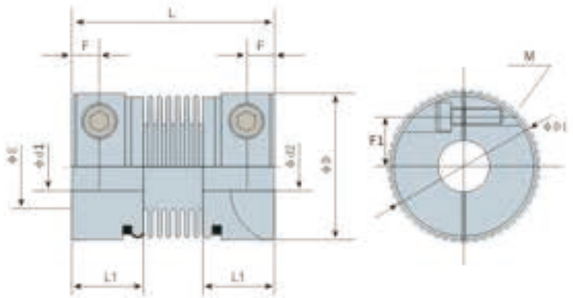
- 外径尺寸: Outside Dia
- d1轴径(小径): d1 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8

例: LK6-C25-08-10

LK6: 系列号，材料为铝合金
C25: 外径尺寸: 25mm,夹紧螺丝固定
08: d1孔径为: 08mm,孔公差为H8
10: d2孔径为: 10mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK6-C25-08-10

LK6: Series NO, Material :Aluminum Allay
C25: Outside Dia: 25mm, Clamp Type
08: d1 Bore:08mm,H8
10: d2 Bore: 10mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min-Bore	d1·d2 最大孔径 Max-Bore	ΦD	ΦD1	L	L1	F	F1	E	M	拧紧力矩 Tightening Torque (N.m)
LK6-C12-□□□-□□□	3	5	12	15	23.5	7.5	3.0	4.3	7.0	M2	0.4-0.5
LK6-C16-□□□-□□□	3	8	16	18	30	11	4.4	6.0	9.5	M2.5	1.0-1.1
LK6-C20-□□□-□□□	4	10	20	22.5	33	12.4	4.3	8.0	12.5	M2.5	1.0-1.1
LK6-C25-□□□-□□□	5	12	25	26	38	13.4	4.8	9.3	16	M3	1.5-1.9
LK6-C32-□□□-□□□	6	16	32	35	43	14.3	4.0	11.5	22	M4	3.4-4.1
LK6-C32L-□□□-□□□	6	16	32	35	54	14.3	4.0	11.5	22	M4	3.4-4.1
LK6-C40-□□□-□□□	8	20	40	41.5	62	21.5	8.3	14	27	M5	7.0-8.5
LK6-C55-□□□-□□□	10	30	55	56	72	23.0	8.8	18.5	37	M6	14-15
LK6-C65-□□□-□□□	12	38	65	72	81	25.5	9.6	25.8	44	M8	27-30
LK6-C82-□□□-□□□	14	42	82	91	103	34.5	14	31	53	M10	55-60

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。
3.最大旋转外径为最大孔径时的旋转外径。

Note:
1.For other bores not listed above, if you need to order, you can provide additional services. please contact our company.
2.The tolerance of the opposite installation shaft is h7 and h8. If the shaft tolerance is other tolerance, please provide the tolerance requirements to be customized by the manufacturer.
3.Outer diameter of rotation at maximum bore diameter.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																												
	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42
LK6-C12-□□□-□□□	•	•	•																									
LK6-C16-□□□-□□□	•	•	•	•	•	•	•																					
LK6-C20-□□□-□□□		•	•	•	•	•	•	•	•	•																		
LK6-C25-□□□-□□□			•	•	•	•	•	•	•	•	•	•																
LK6-C32-□□□-□□□				•	•	•	•	•	•	•	•	•	•	•	•													
LK6-C32L-□□□-□□□				•	•	•	•	•	•	•	•	•	•	•	•													
LK6-C40-□□□-□□□							•	•	•	•	•	•	•	•	•	•	•	•										
LK6-C55-□□□-□□□										•	•	•	•	•	•	•	•	•	•	•	•	•	•					
LK6-C65-□□□-□□□												•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
LK6-C82-□□□-□□□													•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

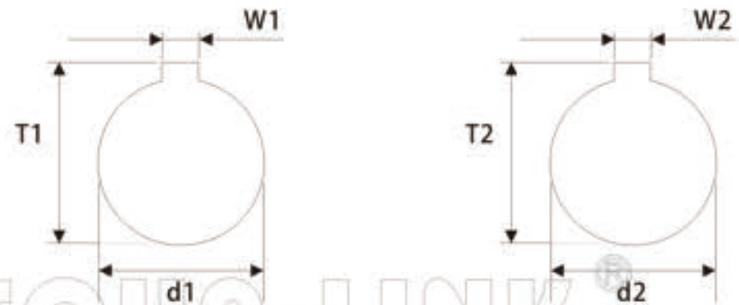
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK6-C12-□□□-□□□	0.3	20000	1.0×10^{-7}	80	0.1	1.5	+0.3 -1.0	4.5
LK6-C16-□□□-□□□	0.8	18000	3.7×10^{-7}	100	0.1	1.5	+0.3 -1.0	9.5
LK6-C20-□□□-□□□	1.5	13000	1.1×10^{-6}	160	0.1	1.5	+0.3 -1.0	16
LK6-C25-□□□-□□□	2.0	11000	2.9×10^{-6}	220	0.15	2.0	+0.5 -1.3	30
LK6-C32-□□□-□□□	2.5	10000	9.3×10^{-6}	310	0.2	2.0	+0.5 -1.3	61
LK6-C32L-□□□-□□□	2.5	10000	9.8×10^{-6}	310	0.2	2.0	+0.5 -1.3	62
LK6-C40-□□□-□□□	10	8000	3.9×10^{-5}	520	0.2	2.0	+0.7 -1.5	163
LK6-C55-□□□-□□□	25	6000	1.5×10^{-4}	850	0.2	2.0	+0.7 -1.5	321
LK6-C65-□□□-□□□	60	4500	3.0×10^{-4}	960	0.2	2.0	+0.7 -1.5	414
LK6-C82-□□□-□□□	80	4000	1.1×10^{-3}	1290	0.2	2.0	+0.7 -1.5	967

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为元件部份的测量值。
3.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK6 系列 选项:夹紧螺丝加键槽固定,键槽尺寸

LK6 Series Clamp Keyway Type(Bellows)

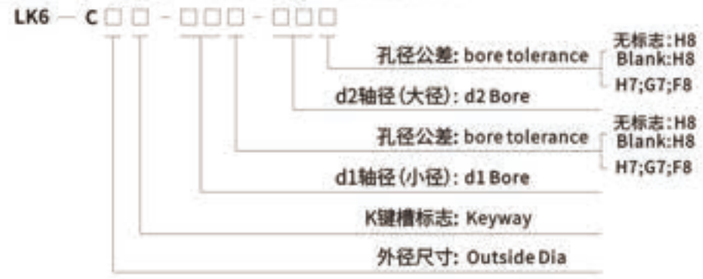


单位 (unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information



键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK6-C40K-14-20

LK6：系列号，材料为铝合金
C40：外径尺寸：40mm,夹紧螺丝固定
14：d1孔径为：14mm,孔公差为H8
20：d2孔径为：20mm,孔公差为H8
K：表示14,20两孔都加标准键槽

Example: LK6-C40K-14-20
LK6: Series NO, Material: Aluminum alloy
C40: Outside Dia:40mm,Clamp Type
14: d1 Bore: 10mm,H8
20: d2 Bore: 20mm,H8
K: 14,20 bore standard keyway

例：LK6-C40-14K-20

LK6：系列号，材料为铝合金
C40：外径尺寸：40mm,夹紧螺丝固定
14：d1孔径为：14mm,孔公差为H8
20：d2孔径为：20mm,孔公差为H8
K：表示14端孔加标准键槽

Example: LK6-C40-14K-20
LK6: Series NO, Material: Aluminum alloy
C40: Outside Dia:40mm,Clamp Type
14: d1 Bore: 14mm,H8
20: d2 Bore: 20mm,H8
K: 14 bore standard keyway

LK7 系列
LK7 Series

使用注意事项：
CAUTIONS:

1. 请务必遵守偏心，偏角，轴向的允许公差。
2. 螺栓类请务必以指定的转矩拧紧。
3. 使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
4. 插入安装轴前，请勿拧紧夹紧螺栓或定位螺丝。

1. Please observe the allowable tolerance of eccentricity, deflection angle and axial direction.
2. Bolts must be tightened with specified torque.
3. The range of service environment is - 30 °C-120 ° C. Although it has water and oil resistance, the extremely adherent environment will also lead to product degradation. Please avoid such situation.
4. Do not tighten the clamping bolt or positioning screw before inserting the mounting shaft.

安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓，定位螺丝有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt and positioning screw of the coupling are loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入联接轴。插入时，请勿在联轴器上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the coupling shaft. When inserting, do not apply too much compression and tensile force on the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在夹紧螺栓或定位螺丝处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the clamping bolt or positioning screw is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If the movement is not smooth, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.安装轴原则上为圆轴，当使用非圆轴时，请注意下图所示的安装位置。(请注意勿使键槽，D型切槽进入灰色部份一侧)，轴安装位置不当可能会造成联轴发生破损，轴夹持力下降。为获得令人满意的联轴器性能，我们建议使用圆轴。
In principle, the installation shaft is a circular shaft. When using a non-circular shaft, please pay attention to the installation position shown in the figure below. (please pay attention not to make the keyway, d-groove enter the gray part of the side). Improper installation position of the shaft may cause damage to the coupling and decrease the shaft clamping force. To obtain satisfactory coupling performance, we recommend the use of round shafts.

推荐安装方式：
RECOMMENDED INSTALLATION METHOD:

好的安装示例

请注意勿使用键槽、D型切口进入□填色部分一侧。

不推荐安装方式：
RINSTALLATION IS NOT RECOMMENDED:

不好的安装示例

请注意勿使用键槽、D型切口进入□填色部分一侧。

5.确认轴向无压缩，拉伸等作用力后，请将夹紧螺栓或定位螺丝拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按参数表所列的紧固扭矩范围内进行拧紧。

After confirming that there is no compression, tension and other forces in the axial direction, please tighten the clamping bolt or positioning screw. When tightening the bolts, use a calibrated torque wrench and tighten according to the tightening torque range listed in the parameter table.

6.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。

As an initial anti loose measure of clamping bolt, it is recommended to use correct tightening torque again for re tightening after a period of operation.

LK7 系列 LK7 Series

I.定位螺丝固定平行式 I.Setscrew Type(Parallel)

特点 Features

- 一体成型的金属弹性联轴器
- 零回转间隙
- 弹性作用补偿径向、角向、轴向偏差
- 顺时针与逆时针回转特性完全相同
- 铝合金和不锈钢材料
- 定位螺丝固定

主体：铝合金材料
Body:Aluminum Alloy

- One-piece metallic spring coupling
- Zero backlash
- Absorption of parallel, angular misalignments and shaft end-play by spring action
- Identical clockwise and anticlockwise rotational characteristics
- Material: Aluminum alloy and stainless steel
- Setscrew type

主体：不锈钢材料
Body:Stainless Steel

选型举例： Ordering Information

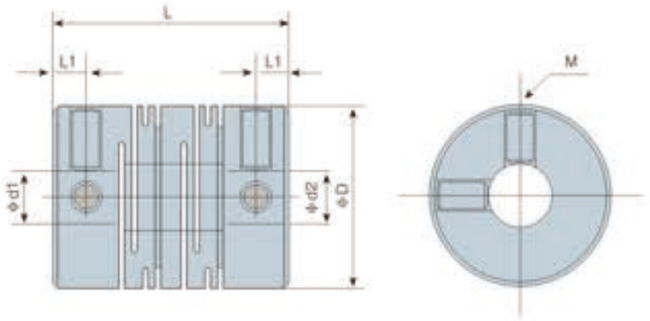
□ LK7 — □ - □□□ - □□□

- 孔径公差: bore tolerance → 无标志：H8 Blank：H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance → 无标志：H8 Blank：H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia
- 无标志：标准型，铝合金材料 Blank：Standard, Material: Aluminum Alloy
- S：不锈钢型 S：Stainless Steel

例：LK7-20-06-08

LK7：系列号，材料为铝合金
20：外径尺寸：20mm,定位螺丝固定
06：d1轴径为：06mm,孔公差为H8
08：d2轴径为：08mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK7-20-06-08
LK7: Series NO, Material: Aluminum Alloy
20: Outside Dia: 20mm, Setscrew Type
06: d1 Bore: 06mm,H8
08: d2 Bore: 08mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2		ΦD	L	L1	M	拧紧力矩 Tightening Torque (N.m)
	最小孔径 Min-Bore	最大孔径 Max-Bore					
LK7-12-□□□-□□□	3	5	12	18.5	2.5	M2.5	0.5
SLK7-12-□□□-□□□	3	5	12	18.5	2.5	M2.5	0.5
LK7-16-□□□-□□□	4	6.35	16	23	3	M3	0.7
SLK7-16-□□□-□□□	4	6.35	16	23	3	M3	0.7
LK7-20-□□□-□□□	5	9.525	20	26	3	M4	1.9
SLK7-20-□□□-□□□	5	9.525	20	26	3	M4	1.9
LK7-25-□□□-□□□	5	12	25	31	4	M4	1.9
SLK7-25-□□□-□□□	5	12	25	31	4	M4	1.9
LK7-32-□□□-□□□	6	14	32	41	6	M5	3.7
SLK7-32-□□□-□□□	6	14	32	41	6	M5	3.7
LK7-40-□□□-□□□	8	18	40	56	8.5	M5	3.7
SLK7-40-□□□-□□□	8	18	40	56	8.5	M5	3.7
LK7-50-□□□-□□□	12	19	50	71	10.5	M6	6.3
SLK7-50-□□□-□□□	12	19	50	71	10.5	M6	6.3
LK7-63-□□□-□□□	12	24	63	90	13	M8	15
SLK7-63-□□□-□□□	12	24	63	90	13	M8	15

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																		
	3	4	5	6	6.35	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24
LK7-12-□□□-□□□	•	•	•																
SLK7-12-□□□-□□□	•	•	•																
LK7-16-□□□-□□□		•	•	•	•														
SLK7-16-□□□-□□□		•	•	•	•														
LK7-20-□□□-□□□			•	•	•	•	•	•											
SLK7-20-□□□-□□□			•	•	•	•	•	•											
LK7-25-□□□-□□□			•	•	•	•	•	•	•	•	•								
SLK7-25-□□□-□□□			•	•	•	•	•	•	•	•	•								
LK7-32-□□□-□□□				•	•	•	•	•	•	•	•	•							
SLK7-32-□□□-□□□				•	•	•	•	•	•	•	•	•							
LK7-40-□□□-□□□						•	•	•	•	•	•	•	•	•	•				
SLK7-40-□□□-□□□						•	•	•	•	•	•	•	•	•	•				
LK7-50-□□□-□□□											•	•	•	•	•	•			
SLK7-50-□□□-□□□											•	•	•	•	•	•			
LK7-63-□□□-□□□											•	•	•	•	•	•	•	•	•
SLK7-63-□□□-□□□											•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

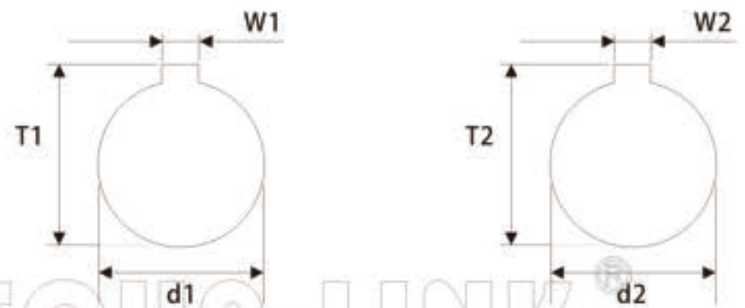
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK7-12-□□□-□□□	0.4	30000	9.0×10^{-6}	33	0.1	1.5	±0.3	4
LK7-16-□□□-□□□	0.5	22000	3.3×10^{-5}	46	0.1	1.5	±0.3	8
LK7-20-□□□-□□□	1	18000	9.5×10^{-5}	115	0.1	1.5	±0.3	15
LK7-25-□□□-□□□	2	14000	2.8×10^{-4}	165	0.15	1.5	±0.35	28
LK7-32-□□□-□□□	4	10000	9.8×10^{-4}	270	0.15	1.5	±0.35	64
LK7-40-□□□-□□□	6.3	9400	3.2×10^{-3}	345	0.2	1.5	±0.35	130
LK7-50-□□□-□□□	11	7600	1.0×10^{-2}	580	0.2	1.5	±0.35	276
LK7-63-□□□-□□□	16	6000	3.3×10^{-2}	830	0.2	1.5	±0.35	570
SLK7-12-□□□-□□□	0.5	30000	2.4×10^{-5}	60	0.1	1.5	±0.3	11
SLK7-16-□□□-□□□	0.6	22000	9.4×10^{-5}	80	0.1	1.5	±0.3	23
SLK7-20-□□□-□□□	1.2	18000	2.7×10^{-4}	235	0.1	1.5	±0.3	42
SLK7-25-□□□-□□□	2.2	14000	7.9×10^{-4}	315	0.15	1.5	±0.35	81
SLK7-32-□□□-□□□	4.4	10000	2.8×10^{-3}	837	0.15	1.5	±0.35	184
SLK7-40-□□□-□□□	7.5	9400	9.3×10^{-3}	980	0.2	1.5	±0.35	376
SLK7-50-□□□-□□□	7.5	7600	2.9×10^{-2}	1385	0.2	1.5	±0.35	796
SLK7-63-□□□-□□□	19	6000	9.5×10^{-2}	1795	0.2	1.5	±0.35	1656

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK7 系列 LK7 Series

选项:加键槽联接固定,键槽尺寸
Keyway connection Type



单位 (unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK7 — □□ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明:
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK7-25K-08-10

LK7：系列号，材料为铝合金
25：外径尺寸：25mm,定位螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示08,10两孔都加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK7-25K-08-10
LK7: Series NO, Material : Aluminum alloy
25:Outside Dia:25mm,Setcrew Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
K: 08,10 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

例：LK7-25-08K-10

LK7：系列号，材料为铝合金
25：外径尺寸：25mm，定位螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示08端孔加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK7-25-08K-10
LK7: Series NO, Material Aluminum alloy
25: Outside Dia:25mm,Setcrew Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
K: 08 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

LK7 系列 LK7 Series

II.夹紧螺丝固定平行式
II.Setscrew Type(Parallel)

特点 Features

- 一体成型的金属弹性联轴器
- 零回转间隙
- 弹性作用补偿径向、角向、轴向偏差
- 顺时针与逆时针回转特性完全相同
- 铝合金和不锈钢材料
- 定位螺丝固定


主体:铝合金材料
Body:Aluminum Alloy

- One-piece metallic spring coupling
- Zero backlash
- Absorption of parallel, angular misalignments and shaft end-play by spring action
- Identical clockwise and anticlockwise rotational characteristics
- Material: Aluminum alloy and stainless steel
- Setscrew type


主体:不锈钢材料
Body:Stainless Steel

选型举例：Ordering Information

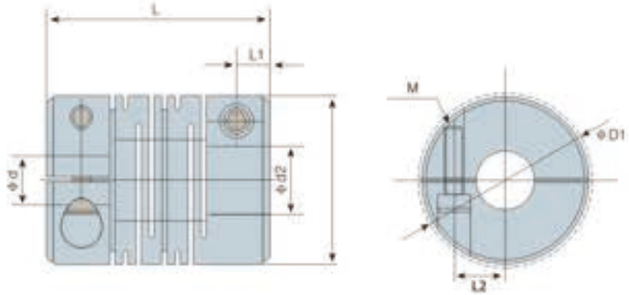
□ LK7 — C□ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志:标准型，铝合金材料 / Blank:Standard, Material: Aluminum Alloy
- S:不锈钢型 / S:Stainless Steel

例：LK7-C40-14-18

LK7：系列号，材料为铝合金
C40：外径尺寸：40mm,夹紧螺丝固定
14：d1轴径为：14mm,孔公差为H8
18：d2轴径为：18mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK7-C40-14-18
LK7: Series NO,Material: Aluminum Alloy
C40: Outside Dia: 40mm, Clamp Type
14: d1 Bore: 14 mm,H8
18: d2 Bore: 18mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2		ΦD	ΦD1	L	L1	L2	M	拧紧力矩 Tightening Torque (N.m)
	最小孔径 Min-Bore	最大孔径 Max-Bore							
LK7-C12-□□□-□□□	3	5	12	14	18.5	2.5	3.8	M2	0.4-0.5
SLK7-C12-□□□-□□□	3	5	12	14	18.5	2.5	3.8	M2	0.4-0.5
LK7-C16-□□□-□□□	4	6.35	16	16.5	23	3.25	5.1	M2.5	1.0-1.1
SLK7-C16-□□□-□□□	4	6.35	16	16.5	23	3.25	5.1	M2.5	1.0-1.1
LK7-C20-□□□-□□□	5	9.525	20	20.5	26	3.75	6.8	M2.5	1.0-1.1
SLK7-C20-□□□-□□□	5	9.525	20	20.5	26	3.75	6.8	M2.5	1.0-1.1
LK7-C25-□□□-□□□	5	12	25	25	31	4.25	8.5	M3	1.5-1.9
SLK7-C25-□□□-□□□	5	12	25	25	31	4.25	8.5	M3	1.5-1.9
LK7-C32-□□□-□□□	6	14	32	32	41	6.0	10	M4	3.4-4.1
SLK7-C32-□□□-□□□	6	14	32	32	41	6.0	10	M4	3.4-4.1
LK7-C40-□□□-□□□	8	18	40	40	56	8.5	13	M5	7.0-8.5
SLK7-C40-□□□-□□□	8	18	40	40	56	8.5	13	M5	7.0-8.5
LK7-C50-□□□-□□□	12	19	50	50	71	10.5	16	M6	14-15
SLK7-C50-□□□-□□□	12	19	50	50	71	10.5	16	M6	14-15
LK7-C63-□□□-□□□	12	24	63	63	90	13	19	M8	27-30
SLK7-C63-□□□-□□□	12	24	63	63	90	13	19	M8	27-30

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																		
	3	4	5	6	6.35	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24
LK7-C12-□□□-□□□	•	•	•																
SLK7-C12-□□□-□□□	•	•	•																
LK7-C16-□□□-□□□		•	•	•	•														
SLK7-C16-□□□-□□□		•	•	•	•														
LK7-C20-□□□-□□□			•	•	•	•	•	•											
SLK7-C20-□□□-□□□			•	•	•	•	•	•											
LK7-C25-□□□-□□□			•	•	•	•	•	•	•	•	•								
SLK7-C25-□□□-□□□			•	•	•	•	•	•	•	•	•								
LK7-C32-□□□-□□□				•	•	•	•	•	•	•	•	•							
SLK7-C32-□□□-□□□				•	•	•	•	•	•	•	•	•							
LK7-C40-□□□-□□□						•	•	•	•	•	•	•	•	•	•				
SLK7-C40-□□□-□□□						•	•	•	•	•	•	•	•	•	•				
LK7-C50-□□□-□□□											•	•	•	•	•	•			
SLK7-C50-□□□-□□□											•	•	•	•	•	•			
LK7-C63-□□□-□□□											•	•	•	•	•	•	•	•	•
SLK7-C63-□□□-□□□											•	•	•	•	•	•	•	•	•

技术参数 specifications

单位(unit):mm

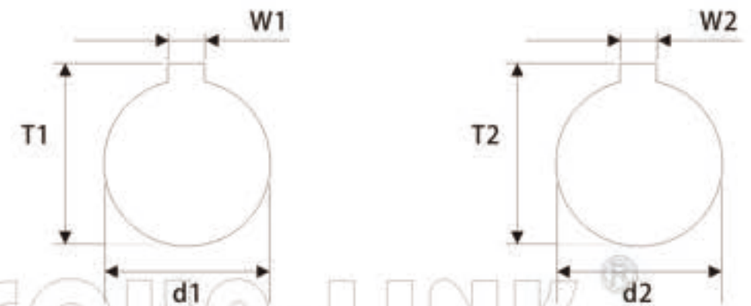
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of Shaft End-play (mm)	重量 N.W. (g)
LK7-C12-□□□-□□□	0.4	10000	9.0×10^{-6}	34	0.1	1.5	±0.3	4.3
LK7-C16-□□□-□□□	0.5	9300	3.4×10^{-5}	46	0.1	1.5	±0.3	9.3
LK7-C20-□□□-□□□	1	7500	9.4×10^{-5}	118	0.1	1.5	±0.3	16
LK7-C25-□□□-□□□	2	6000	2.7×10^{-4}	167	0.15	1.5	±0.35	28
LK7-C32-□□□-□□□	4	4600	9.6×10^{-4}	228	0.15	1.5	±0.35	63
LK7-C40-□□□-□□□	6.3	3600	3.3×10^{-3}	346	0.2	1.5	±0.35	143
LK7-C50-□□□-□□□	11	3000	1.0×10^{-2}	580	0.2	1.5	±0.35	274
LK7-C63-□□□-□□□	16	2200	3.2×10^{-2}	843	0.2	1.5	±0.35	562
SLK7-C12-□□□-□□□	0.5	10000	2.5×10^{-5}	62	0.1	1.5	±0.3	12
SLK7-C16-□□□-□□□	0.6	9300	9.5×10^{-5}	83	0.1	1.5	±0.3	26
SLK7-C20-□□□-□□□	1.2	7500	2.6×10^{-4}	246	0.1	1.5	±0.3	45
SLK7-C25-□□□-□□□	2.2	6000	7.6×10^{-4}	315	0.15	1.5	±0.35	79
SLK7-C32-□□□-□□□	4.4	4600	2.7×10^{-3}	845	0.15	1.5	±0.35	178
SLK7-C40-□□□-□□□	7.5	3600	9.6×10^{-3}	990	0.2	1.5	±0.35	410
SLK7-C50-□□□-□□□	13	3000	2.8×10^{-2}	1380	0.2	1.5	±0.35	773
SLK7-C63-□□□-□□□	19	2200	9.0×10^{-2}	1790	0.2	1.5	±0.35	1583

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK7 系列 LK7 Series

选项:加键槽联接固定,键槽尺寸
Keyway connection Type



单位(unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK7 — C□ □ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK7-C25K-08-10

LK7：系列号，材料为铝合金
C25：外径尺寸：25mm,夹紧螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示08,10两孔都加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK7-C25K-08-10
LK7: Series NO, Material : Aluminum alloy
C25:Outside Dia:25mm,Clamp Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
K: 08,10 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

例：LK7-C25-08K-10

LK7：系列号，材料为铝合金
C25：外径尺寸：25mm，夹紧螺丝固定
08：d1孔径为：08mm,孔公差为H8
10：d2孔径为：10mm,孔公差为H8
K：表示08端孔加标准键槽
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK7-C25-08K-10
LK7: Series NO, Material Aluminum alloy
C25: Outside Dia:25mm,Clamp Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
K: 08 bore standard keyway
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

LK8 系列
LK8 Series

使用注意事项：
CAUTIONS:

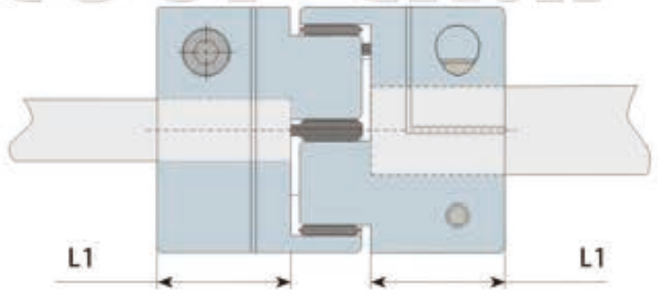
1.此系列有4种不同硬度的弹性体，不同硬度弹性体允许扭矩及吸收偏差不同，选用时请注意。
2.请务必遵守偏心，偏角，轴向的允许公差。
3.螺栓类请务必以指定的扭矩拧紧。
4.使用环境范围见下面弹性体参数表。弹性体虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧夹紧螺栓或者加压螺栓。

1. There are four kinds of elastomers with different hardness in this series. The allowable torque and absorption deviation of elastomers with different hardness are different. Please pay attention to the selection.
2. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
3. Bolts must be tightened with specified torque.
4. The scope of use is shown in the following table of elastomer parameters. Elastomers have water and oil resistance, but the environment of extreme adhesion can also lead to deterioration of products, please avoid such situations.
5. Do not tighten clamping bolts or pressure bolts before inserting them into the installation shaft.

安装方式：
INSTALLATION:

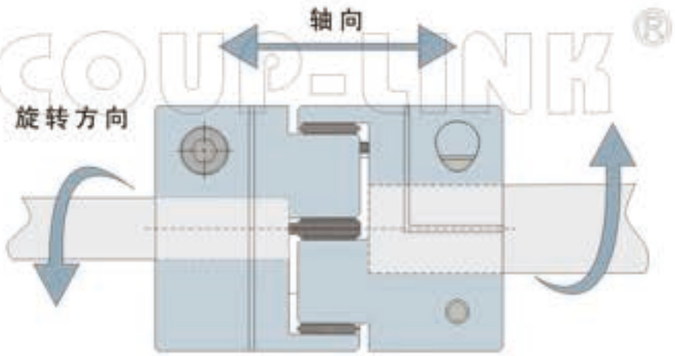
1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附，安装前，请把轴，孔清理干净。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner surface of the shaft and coupling. Especially, all kinds of grease that have significant influence on the friction coefficient of the coupling must not be adhered. Clean the shaft and hole before installation.

2.请将联轴器插入电动机轴。插入长度必须接近联轴器的边节长度，使夹紧端面跟轴有足够大接触面，保证足够摩擦力。
Please insert the coupling into the motor shaft. The insertion length must be close to the side section length of the coupling, so that the clamping end has a large enough contact surface with the shaft to ensure sufficient friction.



3.在夹紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。

When the clamping bolts are loose, make sure that the coupling can move slightly along the axis and rotation direction. If it can not move smoothly, please readjust the centering of the two axes. This method is recommended as a simple method to confirm the left and right concentricity. If the same method cannot be used, please use other measuring methods to confirm the installation accuracy.



4.确认联轴器能沿轴向和旋转方向顺畅移动后，请将两根夹紧螺栓拧紧。拧紧螺栓时，请使用经过校准的扭力板手，按参数表上所列的夹紧螺栓紧固扭矩上紧螺栓。

After confirming that the coupling can move smoothly along the axis and rotation direction, tighten the two clamping bolts. When tightening the bolt, please use the calibrated torsion plate hand to tighten the bolt according to the clamping bolt tightening torque listed in the parameter table.

5.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。

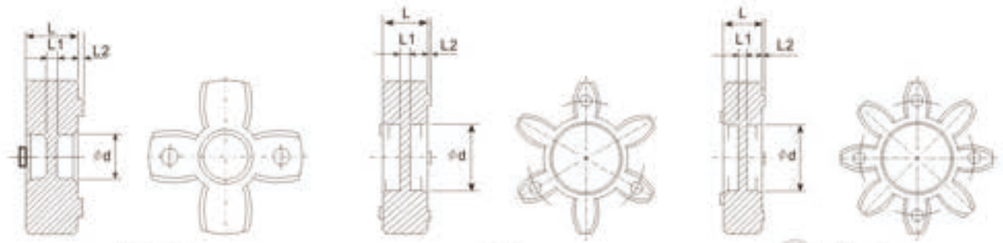
As an initial anti-loosening measure of clamping bolt, it is suggested that after running for a period of time, the correct tightening torque should be used again for tightening.

弹性体性能表 Elastomer Performance Table

弹性体硬度 Elastomer Hardness	颜色 Colour	材质 Material	允许使用温度范围[持续温度] Permissible temperature range Continuous temperature(℃)	允许使用温度范围[瞬间温度] Permissible temperature range Instantaneous temperature(℃)	使用外径范围 Outer Diameter Range	典型应用 Application
80 Sh-A	蓝色(B)图	聚氨酯 (TPU)	-50° C to +80° C	-60° C to +120° C	14mm-40mm	编码器，电子测量系统的传动 Encoder, transmission of electronic measuring system
90 Sh-A	黄色(Y)图	聚氨酯 (TPU)	-40° C to +90° C	-50° C to +120° C	14mm-105mm	伺服电机，步进电机，电子测量和控制系统的传动。 Drive of servo motor, stepping motor, electronic measurement and control system
98 Sh-A	红色(R)图	聚氨酯 (TPU)	-30° C to +90° C	-40° C to +120° C	14mm-135mm	伺服电机，步进电机，定位，主轴，高载荷的传动。 Servo motor, stepping motor, positioning, spindle, high load transmission
64 Sh-D	绿色(G)图	聚氨酯 (TPU)	-20° C to +110° C	-30° C to +120° C	55mm-105mm	伺服电机，步进电机，定位，主轴，高载荷，高扭转刚性的传动。 Servo motor, stepping motor, positioning, spindle, high load, high torsional rigid transmission

蓝色(B)图　黄色(Y)图　红色(R)图　绿色(G)图

梅花联轴器中间弹性体尺寸 Curved Jaw Dimensions



外型尺寸 Dimensions

单位 (unit)：mm

弹性体型号 Model	L	L1	L2	ϕd
14-4	6.1	6.1	0.5	—
20-4	8.2	1.0	0.5	7.9
25-4	10.3	4.3	0.6	8.2
30-4	10.0	1.6	1.0	10.9
40-6	12.2	3.4	1.5	18.2
55-8	14.0	4.0	1.5	26.6
65-8	15.0	4.6	2.0	30.0
80-8	18.6	5.6	2.0	38.0
95-8	20.7	5.7	2.0	46.8
105-8	21.4	6.4	2.5	51.0
120-8	22.0	4.8	2.7	59.8
135-8	26.0	5.6	2.7	67.5

说明：
如需弹性体通孔,请定货时注明。

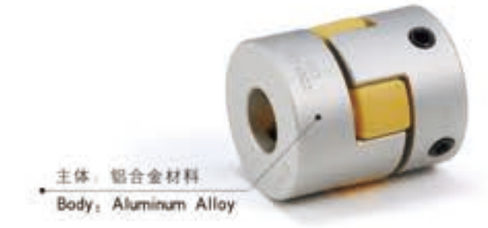
Note:
If elastomer through holes are required, please specify when ordering.

LK8 系列 I. 定位螺丝固定型梅花联轴器

LK8 Series I. Setscrew Type(Curved Jaw)

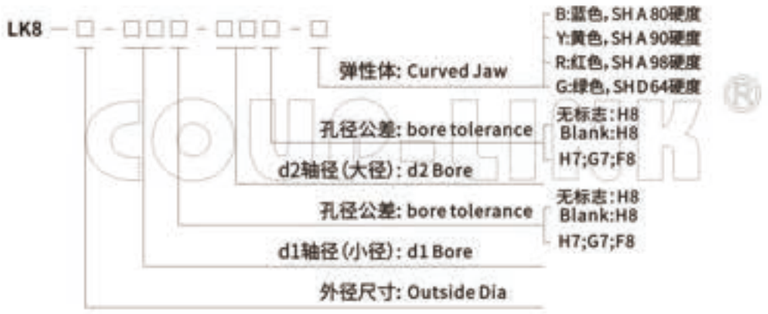
特点 Features

- 中间弹性体联接
- 可吸收振动、补偿径向、角向和轴向偏差
- 抗油与电气绝缘
- 顺时针与逆时针回转特性完全相同
- 有四种不同硬度弹性体
- 定位螺丝固定



- Coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Resistance to oil and electrical insulation
- Identical clockwise and anticlockwise rotational characteristics
- Four different hardness sleeves are avaible
- Setscrew type

选型举例： Ordering Information

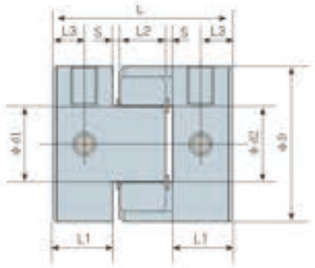


胶体选配说明：标准情况下，胶体选配为：
LK8-14~LK8-40; LK8-C14~LK8-C40:胶体配黄色。
LK8-55~LK8-135; LK8-C55~LK8-C135: 胶体配红色。

Note: Standard:
LK8-14~LK8-40; LK8-C14~LK8-C40:Yellow Insert.
LK8-55~LK8-135; LK8-C55~LK8-C135:Red Insert.

例：LK8-30-10-12-Y

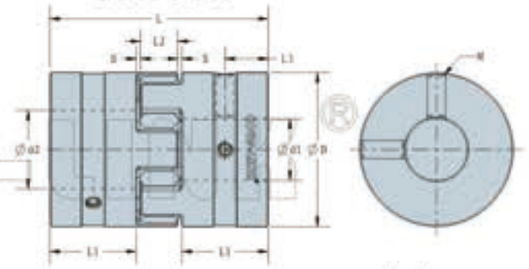
LK8：系列号，材料为铝合金
30：外径尺寸：30mm定位螺丝固定
10：d1孔径为：10mm，孔公差为H8
12：d2孔径为：12mm，孔公差为H8
Y：弹性体为黄色，SHA 90硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示



LK8-14~LK8-30

Example: LK8-30-10-12-Y

LK8: Series NO, Material : Aluminum Alloy
30: Outside Dia: 30mm, Setscrew Type
10: d1 Bore: 10mm,H8
12: d2 Bore: 12mm,H8
Y: yellow, SHA 90
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



LK8-40~LK8-135

外型尺寸 Dimensions

单位 (unit)：mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	L	L1	L2	S	L3	M	拧紧力矩 Tightening Torque (N.m)
LK8-14-□□□-□□□-□	3	7	14	22	7	6	1.0	3.5	M4	0.7
LK8-20-□□□-□□□-□	5	10	20	30	10	8	1.0	5.0	M4	1.9
LK8-25-□□□-□□□-□	6	12	25	34	11	10	1.0	5.0	M5	3.7
LK8-30-□□□-□□□-□	8	16	30	35	11	10	1.5	5.0	M5	3.7
LK8-40S-□□□-□□□-□	11	24	40	55	19.5	12	2.0	10	M6	6.3
LK8-40-□□□-□□□-□	11	24	40	66	25	12	2.0	10	M6	6.3
LK8-55-□□□-□□□-□	15	28	55	78	30	14	2.0	10	M6	6.3
LK8-65-□□□-□□□-□	20	38	65	90	35	15	2.5	15	M8	15
LK8-80-□□□-□□□-□	30	45	80	114	45	18	3.0	15	M8	15
LK8-95-□□□-□□□-□	38	55	95	126	50	20	3.0	20	M10	29.5
LK8-105-□□□-□□□-□	38	60	105	140	56	21	3.5	20	M12	48
LK8-120-□□□-□□□-□	40	65	120	160	65.5	22	3.5	25	M12	48
LK8-135-□□□-□□□-□	45	70	135	185	76	26	3.5	30	M12	48

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit)：mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2 (mm)
	3 4 5 6 7 8 9 9.525 10 11 12 14 15 16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 50 55 60 65 70
LK8-14-□□□-□□□-□	• • • • •
LK8-20-□□□-□□□-□	• • • • • • • •
LK8-25-□□□-□□□-□	• • • • • • • • •
LK8-30-□□□-□□□-□	• • • • • • • • • • •
LK8-40S-□□□-□□□-□	• • • • • • • • • •
LK8-40-□□□-□□□-□	• • • • • • • • • •
LK8-55-□□□-□□□-□	• • • • • • • • •
LK8-65-□□□-□□□-□	• • • • • • • • •
LK8-80-□□□-□□□-□	• • • • • • • •
LK8-95-□□□-□□□-□	• • • • • •
LK8-105-□□□-□□□-□	• • • • • • •
LK8-120-□□□-□□□-□	• • • • • • •
LK8-135-□□□-□□□-□	• • • • • •

技术参数 Specifications

单位 (unit)：mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 Mass (g)
LK8-14-□□□-□□□-B	0.7	34100	2.0×10^{-7}	8.6	0.15	1	$+0.6\ 0$	7
LK8-20-□□□-□□□-B	1.8	23800	1.12×10^{-6}	17	0.19	1	$+0.8\ 0$	19
LK8-25-□□□-□□□-B	3.0	19100	3.05×10^{-6}	54	0.2	1	$+0.9\ 0$	32
LK8-30-□□□-□□□-B	4.0	15900	6.12×10^{-6}	62	0.2	1	$+1.0\ 0$	46
LK8-40S-□□□-□□□-B	6.0	11900	3.03×10^{-5}	380	0.2	1	$+1.2\ 0$	113
LK8-40-□□□-□□□-B	6.0	11900	3.74×10^{-5}	380	0.2	1	$+1.2\ 0$	137
LK8-14-□□□-□□□-Y	1.2	34100	2.0×10^{-7}	14	0.1	1	$+0.6\ 0$	7
LK8-20-□□□-□□□-Y	3.0	23800	1.12×10^{-6}	31	0.13	1	$+0.8\ 0$	19
LK8-25-□□□-□□□-Y	5.0	19100	3.05×10^{-6}	65	0.14	1	$+0.9\ 0$	32
LK8-30-□□□-□□□-Y	7.5	15900	6.12×10^{-6}	73	0.15	1	$+1.0\ 0$	46
LK8-40S-□□□-□□□-Y	12	11900	3.03×10^{-5}	570	0.1	1	$+1.2\ 0$	113
LK8-40-□□□-□□□-Y	12	11900	3.74×10^{-5}	570	0.1	1	$+1.2\ 0$	137
LK8-55-□□□-□□□-Y	35	8650	1.66×10^{-5}	1600	0.14	1	$+1.4\ 0$	344
LK8-65-□□□-□□□-Y	95	7350	3.59×10^{-4}	3000	0.15	1	$+1.5\ 0$	505
LK8-80-□□□-□□□-Y	190	5950	1.05×10^{-3}	5300	0.17	1	$+1.8\ 0$	1006
LK8-95-□□□-□□□-Y	265	5000	2.29×10^{-3}	6200	0.19	1	$+2.0\ 0$	1531
LK8-105-□□□-□□□-Y	310	4550	3.82×10^{-3}	10870	0.23	1	$+2.1\ 0$	2106

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK8-14-□□□-□□□-R	2.0	34100	2.0×10^{-7}	22	0.06	0.9	$+^{0.6}_{0}$	7
LK8-20-□□□-□□□-R	5.0	23800	1.12×10^{-6}	51	0.08	0.9	$+^{0.8}_{0}$	19
LK8-25-□□□-□□□-R	9.0	19100	3.05×10^{-6}	85	0.08	0.9	$+^{0.9}_{0}$	32
LK8-30-□□□-□□□-R	12.5	15900	6.12×10^{-6}	130	0.09	0.9	$+^{1.0}_{0}$	46
LK8-40S-□□□-□□□-R	21	11900	3.03×10^{-5}	1200	0.06	0.9	$+^{1.2}_{0}$	113
LK8-40-□□□-□□□-R	21	11900	3.74×10^{-5}	1200	0.06	0.9	$+^{1.2}_{0}$	137
LK8-55-□□□-□□□-R	60	8650	1.66×10^{-4}	2600	0.1	0.9	$+^{1.4}_{0}$	344
LK8-65-□□□-□□□-R	160	7350	3.59×10^{-4}	4900	0.1	0.9	$+^{1.5}_{0}$	505
LK8-80-□□□-□□□-R	325	5950	1.05×10^{-3}	6500	0.1	0.9	$+^{1.8}_{0}$	1006
LK8-95-□□□-□□□-R	450	5000	2.29×10^{-3}	8900	0.1	0.9	$+^{2.0}_{0}$	1531
LK8-105-□□□-□□□-R	525	4550	3.82×10^{-3}	25759	0.1	0.9	$+^{2.1}_{0}$	2106
LK8-120-□□□-□□□-R	685	3950	7.63×10^{-3}	32117	0.1	0.9	$+^{2.2}_{0}$	3280
LK8-135-□□□-□□□-R	940	3500	1.44×10^{-2}	38520	0.1	0.9	$+^{2.6}_{0}$	4971
LK8-55-□□□-□□□-G	75	8650	1.66×10^{-4}	5030	0.07	0.8	$+^{1.4}_{0}$	344
LK8-65-□□□-□□□-G	200	7350	3.59×10^{-4}	10260	0.08	0.8	$+^{1.5}_{0}$	505
LK8-80-□□□-□□□-G	405	5950	1.05×10^{-3}	16300	0.09	0.8	$+^{1.8}_{0}$	1006
LK8-95-□□□-□□□-G	560	5000	2.29×10^{-3}	26860	0.1	0.8	$+^{2.0}_{0}$	1531
LK8-105-□□□-□□□-G	655	4550	3.82×10^{-3}	47630	0.11	0.8	$+^{2.1}_{0}$	2106

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

3.各弹性数值为20°C时数值。

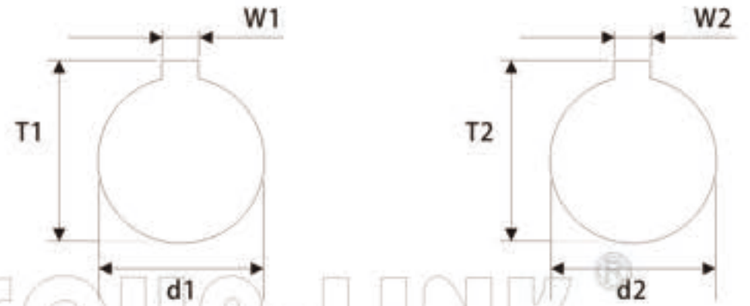
Note:

1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK8 系列 LK8 Series

选项:定位螺丝加键槽固定,键槽尺寸

Setscrew Keyway Type

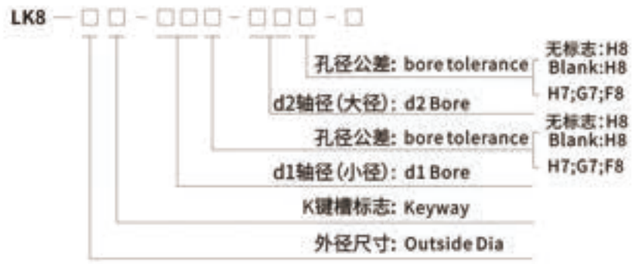


单位(unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information



键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK8-30K-10-14-Y

LK8：系列号，材料为铝合金
30：外径尺寸：30mm定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽
Y：弹性体为黄色,SHA 90硬度

Example: LK8-30K-10-14-Y
LK8: Series NO, Material : Aluminum alloy
30: Outside Dia:30mm,Stscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
Y: yellow, SHA 90

例:LK8-30-10K-14-Y

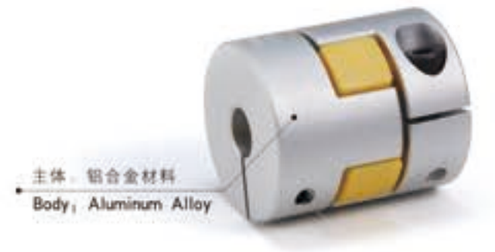
LK8: 系列号，材料为铝合金
30: 外径尺寸：30mm定位螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10端孔加标准键槽
Y: 弹性体为黄色,SHA 90硬度

Example: LK8-30-10K-14-Y
LK8: Series NO, Material : Aluminum alloy
30: Outside Dia:30mm,Stscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway
Y: yellow, SHA 90

LK8 系列 II. 夹紧螺丝固定型梅花联轴器
LK8 Series II. Clamp Type(Curved Jaw)

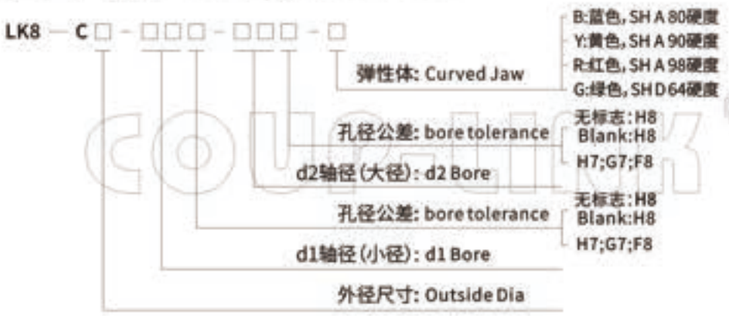
特点 Features

- 中间弹性体联接
- 可吸收振动、补偿径向、角向和轴向偏差
- 抗油与电气绝缘
- 顺时针与逆时针回转特性完全相同
- 有四种不同硬度弹性体
- 夹紧螺丝固定



- Coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Resistance to oil and electrical insulation
- Identical clockwise and anticlockwise rotational characteristics
- Four different hardness sleeves are avaible
- Clamp type

选型举例：Ordering Information



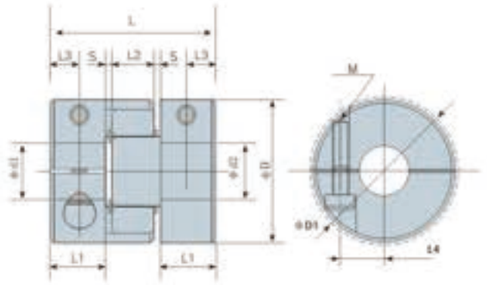
胶体选配说明：标准情况下，胶体选配为：
LK8-14~LK8-40; LK8-C14~LK8-C40:胶体配黄色。
LK8-55~LK8-135; LK8-C55~LK8-C135: 胶体配红色。

Note: Standard:
LK8-14~LK8-40; LK8-C14~LK8-C40:Yellow Insert.
LK8-55~LK8-135; LK8-C55~LK8-C135:Red Insert.

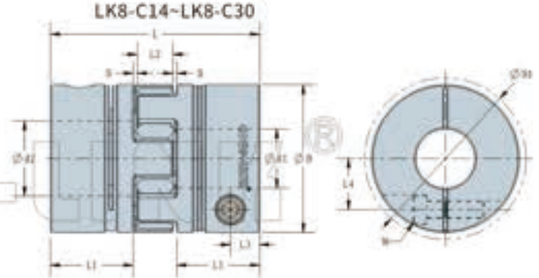
例:LK8-C40-14-18-Y

LK8：系列号，材料为铝合金
C40：外径尺寸：40mm定位螺丝固定
14：d1孔径为：14mm,公差为H8
18：d2孔径为：18mm,公差为H8
Y：弹性体为黄色,SHA 90硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK8-C40-14-18-Y
LK8: Series NO, Material Aluminum Alloy
C40: Outside Dia: 40mm, Clamp Type
14: d1 Bore: 14 mm, H8
18: d2 Bore: 18mm, H8
Y: yellow, SHA 90
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



LK8-C14~LK8-C30



LK8-C40~LK8-C135

外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min-Bore	d1·d2 最大孔径 Max-Bore	ΦD	ΦD1	L	L1	L2	S	L3	L4	M	拧紧力矩 Tightening Torque (N.m)
LK8-C14-□□□-□□□-□	3	7	14	19	21	7.05	5.3	0.8	3.6	5	M2.5	1.0-1.1
LK8-C20-□□□-□□□-□	5	10	20	22.5	30	10.5	8	1.0	5.25	7.5	M2.5	1.0-1.1
LK8-C25-□□□-□□□-□	6	12	25	30	34	11	10	1.0	5.0	9.25	M4	1.5-1.9
LK8-C30-□□□-□□□-□	8	16	30	34	35	11	10	1.5	5.0	11.5	M4	1.5-1.9
LK8-C40S-□□□-□□□-□	11	24	40	46	55	19.5	12	2.0	6.5	16	M5	7.0-8.5
LK8-C40-□□□-□□□-□	11	24	40	46	66	25	12	2.0	9.5	16	M5	7.0-8.5
LK8-C55-□□□-□□□-□	15	28	55	56.5	78	30	14	2.0	11	19	M6	14-15
LK8-C65-□□□-□□□-□	20	38	65	72.5	90	35	15	2.5	12	25.75	M8	27-30
LK8-C80-□□□-□□□-□	30	45	80	84	114	45	18	3.0	16.5	31.25	M8	27-30
LK8-C95-□□□-□□□-□	38	55	95	100	126	50	20	3.0	17.5	37.5	M10	55-60
LK8-C105-□□□-□□□-□	38	60	105	108	140	56	21	3.5	20	41.25	M10	55-60
LK8-C120-□□□-□□□-□	40	65	120	123	160	65.5	22	3.5	22.5	46.25	M12	70-80
LK8-C135-□□□-□□□-□	45	70	135	136	185	76	26	3.5	22.5	51.25	M12	70-80

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。
3.ΦD1为最大孔径时，产品的最大旋转外径，如需最大旋转外径跟产品外径一致，请根据具体孔径咨询本公司。

Note:
1. For other bores not listed above, if you need to order, you can provide additional services. please contact our company.
2.The tolerance of the opposite installation shaft is h7 and h8. If the shaft tolerance is other tolerance, please provide the tolerance requirements to be customized by the manufacturer.
3.ΦD1 is the maximum hole diameter.The maximum rotation outer diamter of the product.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)
	3 4 5 6 7 8 9 9.525 10 11 12 14 15 16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 50 55 60 65 70
LK8-C14-□□□-□□□-□	• • • • •
LK8-C20-□□□-□□□-□	• • • • • • • •
LK8-C25-□□□-□□□-□	• • • • • • • • •
LK8-C30-□□□-□□□-□	• • • • • • • • • •
LK8-C40S-□□□-□□□-□	• • • • • • • • • •
LK8-C40-□□□-□□□-□	• • • • • • • • • •
LK8-C55-□□□-□□□-□	• • • • • • • • •
LK8-C65-□□□-□□□-□	• • • • • • • • •
LK8-C80-□□□-□□□-□	• • • • • • •
LK8-C95-□□□-□□□-□	• • • • • •
LK8-C105-□□□-□□□-□	• • • • • • •
LK8-C120-□□□-□□□-□	• • • • • • •
LK8-C135-□□□-□□□-□	• • • • • •

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK8-C14-□□□-□□□-B	0.7	27000	2.0×10^{-7}	8.6	0.15	1	$+0.6_{0}$	7
LK8-C20-□□□-□□□-B	1.8	19000	1.06×10^{-6}	17	0.19	1	$+0.8_{0}$	19
LK8-C25-□□□-□□□-B	3.0	15200	3.15×10^{-6}	54	0.2	1	$+0.9_{0}$	32
LK8-C30-□□□-□□□-B	4.0	12700	6.15×10^{-6}	62	0.2	1	$+1.0_{0}$	46
LK8-C40S-□□□-□□□-B	6.0	9550	3.01×10^{-5}	380	0.2	1	$+1.2_{0}$	113
LK8-C40-□□□-□□□-B	6.0	9550	3.66×10^{-5}	550	0.2	1	$+1.2_{0}$	137
LK8-C14-□□□-□□□-Y	1.2	27000	2.0×10^{-7}	14	0.1	1	$+0.6_{0}$	7
LK8-C20-□□□-□□□-Y	3.0	19000	1.06×10^{-6}	31	0.13	1	$+0.8_{0}$	19
LK8-C25-□□□-□□□-Y	5.0	15200	3.15×10^{-6}	65	0.14	1	$+0.9_{0}$	32
LK8-C30-□□□-□□□-Y	7.5	12700	6.15×10^{-6}	73	0.15	1	$+1.0_{0}$	46
LK8-C40S-□□□-□□□-Y	12	9550	3.01×10^{-5}	570	0.1	1	$+1.2_{0}$	113
LK8-C40-□□□-□□□-Y	12	9550	3.66×10^{-5}	570	0.1	1	$+1.2_{0}$	137
LK8-C55-□□□-□□□-Y	35	6950	1.60×10^{-4}	1600	0.14	1	$+1.4_{0}$	344
LK8-C65-□□□-□□□-Y	95	5850	3.55×10^{-4}	3000	0.15	1	$+1.5_{0}$	505
LK8-C80-□□□-□□□-Y	190	4750	1.04×10^{-3}	5300	0.17	1	$+1.8_{0}$	1006
LK8-C95-□□□-□□□-Y	265	4000	2.27×10^{-3}	6200	0.19	1	$+2.0_{0}$	1531
LK8-C105-□□□-□□□-Y	310	3600	3.79×10^{-3}	10870	0.23	1	$+2.1_{0}$	2106

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK8-C14-□□□-□□□-R	2.0	27000	2.0×10^{-7}	22	0.06	0.9	$+^{0.6}_{0}$	7
LK8-C20-□□□-□□□-R	5.0	19000	1.06×10^{-6}	51	0.08	0.9	$+^{0.8}_{0}$	19
LK8-C25-□□□-□□□-R	9.0	15200	3.15×10^{-6}	85	0.08	0.9	$+^{0.9}_{0}$	32
LK8-C30-□□□-□□□-R	12.5	12700	6.15×10^{-6}	130	0.09	0.9	$+^{1.0}_{0}$	46
LK8-C40S-□□□-□□□-R	21	9550	3.01×10^{-5}	1200	0.06	0.9	$+^{1.2}_{0}$	113
LK8-C40-□□□-□□□-R	21	9550	3.66×10^{-5}	1200	0.06	0.9	$+^{1.2}_{0}$	137
LK8-C55-□□□-□□□-R	60	6950	1.60×10^{-4}	2600	0.1	0.9	$+^{1.4}_{0}$	344
LK8-C65-□□□-□□□-R	160	5850	3.55×10^{-4}	4900	0.1	0.9	$+^{1.5}_{0}$	505
LK8-C80-□□□-□□□-R	325	4750	1.04×10^{-3}	6500	0.1	0.9	$+^{1.8}_{0}$	1006
LK8-C95-□□□-□□□-R	450	4000	2.27×10^{-3}	8900	0.1	0.9	$+^{2.0}_{0}$	1531
LK8-C105-□□□-□□□-R	525	3600	3.79×10^{-3}	25759	0.1	0.9	$+^{2.1}_{0}$	2106
LK8-C120-□□□-□□□-R	685	3150	7.6×10^{-3}	32117	0.1	0.9	$+^{2.2}_{0}$	3280
LK8-C135-□□□-□□□-R	940	2800	1.44×10^{-2}	38520	0.1	0.9	$+^{2.6}_{0}$	4971
LK8-C55-□□□-□□□-G	75	8650	1.60×10^{-4}	5030	0.07	0.8	$+^{1.4}_{0}$	344
LK8-C65-□□□-□□□-G	200	7350	3.55×10^{-4}	10260	0.08	0.8	$+^{1.5}_{0}$	505
LK8-C80-□□□-□□□-G	405	5950	1.04×10^{-3}	16300	0.09	0.8	$+^{1.8}_{0}$	1006
LK8-C95-□□□-□□□-G	560	5000	2.27×10^{-3}	26860	0.1	0.8	$+^{2.0}_{0}$	1531
LK8-C105-□□□-□□□-G	655	4550	3.79×10^{-3}	47630	0.11	0.8	$+^{2.1}_{0}$	2106

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

3.各弹性数值为20°C时数值。

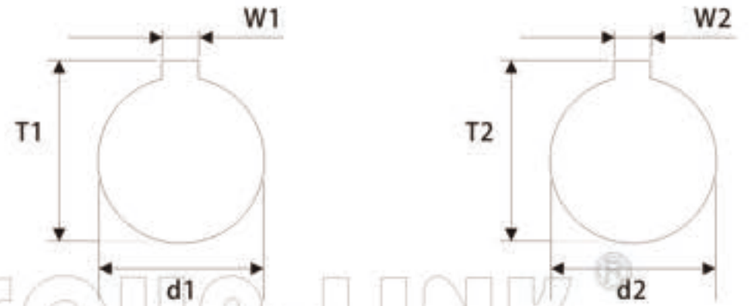
Note:

1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK8 系列 LK8 Series

选项:夹紧螺丝加键槽固定,键槽尺寸

Clamp Keyway Type

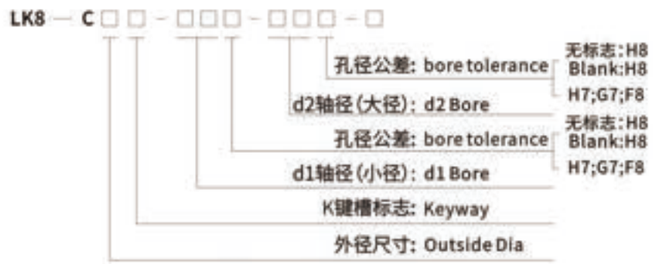


单位 (unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information



键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK8-C30K-10-14-Y

LK8：系列号，材料为铝合金
C30：外径尺寸：30mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽
Y：弹性体为黄色,SHA 90硬度

Example:LK8-C30K-10-14-Y
LK8: Series NO, Material : Aluminum alloy
C30: Outside Dia:30mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
Y: yellow, SHA 90

例:LK8-C30-10K-14-Y

LK8: 系列号，材料为铝合金
C30: 外径尺寸：30mm夹紧螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10端孔加标准键槽
Y: 弹性体为黄色,SHA 90硬度

Example: LK8-C30-10K-14-Y
LK8: Series NO, Material : Aluminum alloy
C30: Outside Dia:30mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway
Y: yellow, SHA 90

LK9 系列
LK9 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时，可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧加压螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameter of the coupling is achieved by using special equipment. In case that the coupling is under strong impact, it may not be able to maintain high accuracy and be damaged in use, please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式：
INSTALLATION:

1.确认联轴器上的螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the bolts on the coupling are loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴和从动轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft and driven shaft. When inserting, do not apply too much compression and tensile force on the elastic element of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在加压螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the compression bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it cannot move smoothly, pleasereadjustthecentering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation methodcannotbe used,pleaseuse other measurement methods to confirm the installation a ccuracy.

4.调整好同轴度后，将加压螺栓按对角轻轻拧紧。
After the coaxiality is adjusted, tighten the pressure bolt slightly diagonally.

5.确认轴向无压缩，拉伸等作用力后，请将加压螺栓按对角顺序拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按技术参数表的拧紧扭矩拧紧。
After confirming that there is no compression, tension and other forces in the axialdirection,pleasetightenthecompression bolts in diagonal sequence. When tightening the bolt, use the calibrated torque wrench and tighten it according to the tightening torque in the technical parameter table.

LK9 系列

LK9 Series

I.单节胀套膜片联轴器

I. Locking Assemblies Coupling(Single Plate Springs)

特点 Features

- 利用胀套联接的膜片型联轴器
- 零回转间隙，拆装方便
- 高灵敏度，传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向角向和轴向偏差
- 常用于伺服电机、步进电机联接

- Using locking assemblies connect plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end-play
- For servomotor、stepmotor connect

主体：铁合金材料

Body:Steel

一体化膜片组

LK9-68~LK9-104

一体化膜片组

LK9-126~LK9-144

选型举例： Ordering Information

LK9 — □ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志：H8 Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志：H8 Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia

例：LK9-82-14-20

LK9：系列号，材料为45#钢

82：外径尺寸：82mm

14：d1轴径为:14mm，孔公差为H8

20：d2轴径为:20mm，孔公差为H8

孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK9-82-14-20

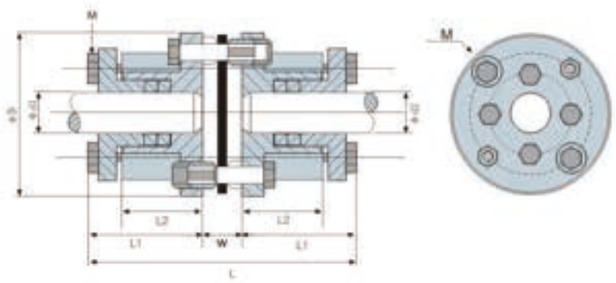
LK9: Series NO, Material: 45# Steel

82: Outside Dia: 82mm

14: d1 Bore: 14 mm,H8

20: d2 Bore: 20mm,H8

Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit)：mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	L	W	L1	L2	M	拧紧力矩 Tightening Torque (N.m)
LK9-68-□□□-□□□	14	22	68	90	7	41.5	26	4-M5	7.0-8.5
LK9-82-□□□-□□□	18	30	82	95	7	44	26	4-M6	14-15
LK9-94-□□□-□□□	20	35	94	110	8	51	29	4-M6	14-15
LK9-104-□□□-□□□	24	40	104	124	10	57	34	4-M6	14-15
LK9-126-□□□-□□□	28	50	126	152	11	70.5	42	6-M8	27-30
LK9-144-□□□-□□□	32	60	144	170	12	79	48	6-M8	27-30

说明：

1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。

2.对方安装轴公差为h7，h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit)：mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																					
	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60
LK9-68-□□□-□□□	•	•	•	•	•	•	•														
LK9-82-□□□-□□□				•	•	•	•	•	•	•	•										
LK9-94-□□□-□□□						•	•	•	•	•	•	•	•								
LK9-104-□□□-□□□								•	•	•	•	•	•	•	•						
LK9-126-□□□-□□□										•	•	•	•	•	•	•	•	•	•		
LK9-144-□□□-□□□												•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit)：mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭簧刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK9-68-□□□-□□□	55	4500	4.5×10^{-4}	28000	0.02	1	±1.0	933
LK9-82-□□□-□□□	80	4500	9.6×10^{-4}	82000	0.02	1	±1.0	1328
LK9-94-□□□-□□□	150	4500	2.1×10^{-3}	166000	0.02	1	±1.0	2125
LK9-104-□□□-□□□	220	4500	3.8×10^{-3}	240000	0.02	1	±1.0	3170
LK9-126-□□□-□□□	350	4500	9.5×10^{-3}	410000	0.02	1	±1.0	5385
LK9-144-□□□-□□□	500	4500	1.9×10^{-2}	760000	0.02	1	±1.0	8117

说明：

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

Note:

1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.

LK9 系列

LK9 Series

II.多节胀套膜片联轴器

II. Locking Assemblies Coupling (Double Plate Springs)

特点 Features

- 利用胀套联接的膜片型联轴器
- 零回转间隙，拆装方便
- 高灵敏度，传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向角向和轴向偏差
- 常用于伺服电机、步进电机联接

主体：铁合金材料
Body:Steel

- Using locking assemblies connect plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb parallel, angular misalignments and shaft end-play
- For servomotor、stepmotor connect

一体化膜片组
LK9-126~LK9-144

一体化膜片组
LK9-68~LK9-104

选型举例： Ordering Information

LK9 — □ - □□□ - □□□ WP

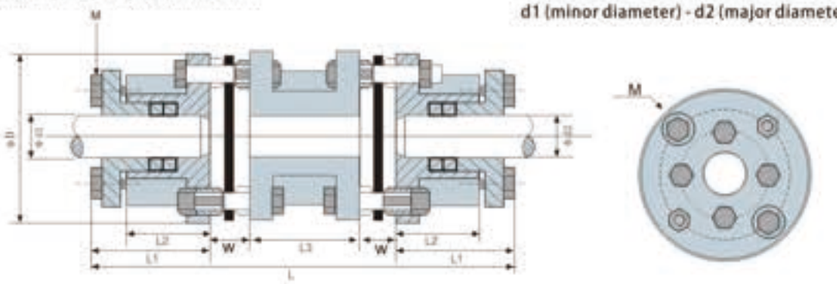
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 H7;G7;F8
- d2轴径(大径): d2 Bore
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

例:LK9-82-19-24WP

LK9：系列号，材料为45#钢
82：外径尺寸：82mm
19：d1轴径为:19mm，孔公差为H8
24：d2轴径为:24mm，孔公差为H8
WP：双膜片
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK9-82-19-24WP

LK9: Series NO, Material: 45# Steel
82: Outside Dia: 82mm
19: d1 Bore: 19 mm,H8
24: d2 Bore: 24mm,H8
WP: double plate springs
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	L	W	L1	L2	L3	M	拧紧力矩 Tightening Torque (N.m)
LK9-68-□□□-□□□WP	14	22	68	121	7	41.5	26	24	4-M5	7.0-8.5
LK9-82-□□□-□□□WP	18	30	82	128	7	44	26	26	4-M6	14-15
LK9-94-□□□-□□□WP	20	35	94	148	8	51	29	30	4-M6	14-15
LK9-104-□□□-□□□WP	24	40	104	164	10	57	34	30	4-M6	14-15
LK9-126-□□□-□□□WP	28	50	126	201	11	70.5	42	38	6-M8	27-30
LK9-144-□□□-□□□WP	32	60	144	228	12	79	48	46	6-M8	27-30

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																				
	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60
LK9-68-□□□-□□□WP	•	•	•	•	•	•	•														
LK9-82-□□□-□□□WP			•	•	•	•	•	•	•	•											
LK9-94-□□□-□□□WP					•	•	•	•	•	•	•	•									
LK9-104-□□□-□□□WP							•	•	•	•	•	•	•	•							
LK9-126-□□□-□□□WP										•	•	•	•	•	•	•	•	•	•		
LK9-144-□□□-□□□WP												•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK9-68-□□□-□□□WP	55	4500	7.4×10^{-4}	14000	0.04	2	±1.5	1417
LK9-82-□□□-□□□WP	80	4500	1.6×10^{-3}	41000	0.04	2	±1.5	2017
LK9-94-□□□-□□□WP	150	4500	3.4×10^{-3}	83000	0.04	2	±1.5	3224
LK9-104-□□□-□□□WP	220	4500	5.8×10^{-3}	120000	0.04	2	±1.5	4554
LK9-126-□□□-□□□WP	350	4500	1.7×10^{-2}	205000	0.04	2	±1.5	8308
LK9-144-□□□-□□□WP	500	4500	3.0×10^{-2}	380000	0.04	2	±1.5	11745

说明：
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.

LK10 系列
LK10 Series

使用注意事项：
CAUTIONS:

1.此系列有3种不同硬度的弹性体，不同硬度弹性体允许扭矩及吸收偏差不同，选用时请注意。
2.请务必遵守偏心，偏角，轴向的允许公差。
3.螺栓类请务必以指定的扭矩拧紧。
4.使用环境范围见下面弹性体参数表。弹性体虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧夹紧螺栓或者加压螺栓。

1. There are three kinds of elastomers with different hardness in this series.The allowabletorqueandabsorptiondeviationof elastomers with different hardness are different. Please pay attention to the selection.
2. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
3. Bolts must be tightened with specified torque.
4. The scope of use is shown in the following table of elastomer parameters.Elastomershavewater andoil resistance,but the environment of extreme adhesion can also lead to deterioration of products, please avoid such situations.
5. Do not tighten clamping bolts or pressure bolts before inserting them into the installation shaft.

安装方式：
INSTALLATION:

1.确认联轴器的加压螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附，安装前，请把轴，孔清理干净。
Confirm whether the pressure bolt of the coupling is loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not adhere. Before installation, please clean the shaft and hole.

2.请将联轴器插入电动机轴。插入长度必须接近联轴器的边节长度，使夹紧端面跟轴有足够大接触面，保证足够摩擦力。
Please insert the coupling into the motor shaft. The insertion length must be close to the side section length of the coupling, so that the clamping end has a large enough contact surface with the shaft to ensure sufficient friction.

3.在压紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the pressure bolt is loose, make sure that the coupling can move slightly along the axis and rotation direction. If you can't move smoothly, adjust the centering of the two axes. This method is recommended as a simple method to confirm the left and right concentricity. If the same method cannot be used, please use other measuring methods to confirm the installation accuracy.

4.确认联轴器能沿轴向和旋转方向顺畅移动后,请将压紧螺栓按对角顺序交叉拧紧。拧紧螺栓时，请使用经过校准的扭力板手，按参数表上所列的螺栓紧固扭矩拧紧螺栓。
After confirming that the coupling can move smoothly along the axial direction and rotation direction, please tighten the compression bolts crosswise in diagonal sequence. When tightening the bolts, use the calibrated torque wrench to tighten the bolts according to the bolt tightening torque listed in the parameter table.

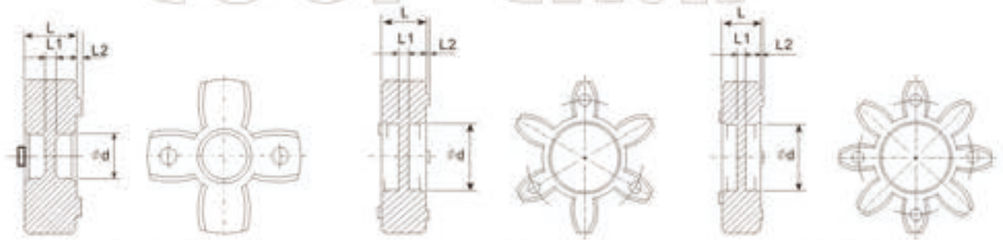
5.作为压紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As the initial anti loose measure of the compression bolt, it is recommended to use the correct tightening torque again for retightening aftera period of operation.

弹性体性能表 Elastomer Performance Table

弹性体硬度 Elastomer Hardness	颜色 Colour	材质 Material	允许使用温度范围[持续温度] Permissible temperature range Continuous temperature(℃)	允许使用温度范围[瞬间温度] Permissible temperature range Instantaneous temperature(℃)	使用外径范围 Outer Diameter Range	典型应用 Application
90 Sh-A	黄色(Y)图	聚氨酯 (TPU)	-40°C to +90°C	-50°C to +120°C	14mm-105mm	伺服电机，步进电机，电子测量和控制系统的传动。Drive of servo motor, stepping motor, electronic measurement and control system
98 Sh-A	红色(R)图	聚氨酯 (TPU)	-30°C to +90°C	-40°C to +120°C	14mm-135mm	伺服电机，步进电机，定位，主轴，高载荷的传动。Servo motor, stepping motor, positioning, spindle, high load transmission
64 Sh-D	绿色(G)图	聚氨酯 (TPU)	-20°C to +110°C	-30°C to +120°C	55mm-105mm	伺服电机，步进电机，定位，主轴，高载荷，高扭转刚性的传动。Servo motor, stepping motor, positioning, spindle, high load, high torsional rigid transmission

黄色(Y)图　　红色(R)图　　绿色(G)图

梅花联轴器中间弹性体尺寸 Curved Jaw Dimensions



14-4-30-4　　40-6　　55-8-135-8

外型尺寸 Dimensions

单位 (unit):mm

弹性体型号 Model	L	L1	L2	φd
14-4	6.1	6.1	0.5	—
20-4	8.2	1.0	0.5	7.9
25-4	10.3	4.3	0.6	8.2
30-4	10.0	1.6	1.0	10.9
40-6	12.2	3.4	1.5	18.2
55-8	14.0	4.0	1.5	26.6
65-8	15.0	4.6	2.0	30.0
80-8	18.6	5.6	2.0	38.0
95-8	20.7	5.7	2.0	46.8
105-8	21.4	6.4	2.5	51.0
120-8	22.0	4.8	2.7	59.8
135-8	26.0	5.6	2.7	67.5

说明:
如需弹性体通孔,请定货时注明。

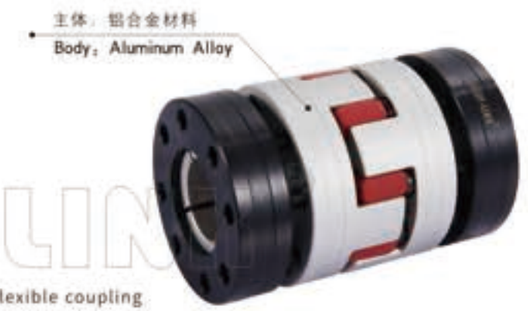
Note:
If elastomer through holes are required, please specify when ordering.

LK10 系列 梅花弹性体胀套联轴器

LK10 Series Locking Assemblies Flexible Coupling(Curved jaw)

特点 Features

- 利用胀套联接的梅花弹性体联轴器
- 零回转间隙,拆装方便
- 高灵敏度,传递力矩大
- 顺时针与逆时针回转特性完全相同
- 可吸收振动、补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接



- Using locking assemblies connect, curved jaw type flexible coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- For servomotor, stepmotor connect

选型举例： Ordering Information

LK10 — □ - □□□ - □□□ - □

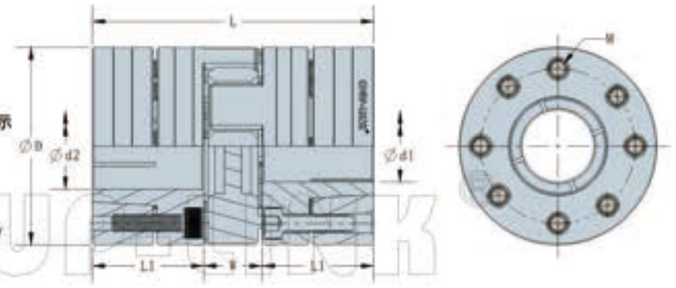
- 弹性体: Curved Jaw — Y:黄色, SH A 90硬度; R:红色, SH A 98硬度; G:绿色, SH D 64硬度
- 孔径公差: bore tolerance — 无标志:H8; Blank:H8; H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8; Blank:H8; H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

胶体选配说明:标准情况下,胶体选配为:
LK10-30-LK10-135: 胶体配红色。

Note: Standard:
LK10-30-LK10-135:Red Insert.

例：LK10-55-19-24-R

LK10: 系列号，材料为铝合金
55: 外径尺寸：55mm
19: d1孔径为：19mm,孔公差H8
24: d2轴径为：24mm,孔公差H8
R: 弹性体为红色,SH A 98硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示



Example: LK10-55-19-24-R
LK10: Series NO, Material:Aluminum Alloy
55: Outside Dia: 55mm
19: d1 Bore: 19mm,H8
24: d2 Bore: 24mm,H8
R: red, SHA 98
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

外型尺寸 Dimensions

单位 (unit)：mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	L	L1	W	M	拧紧力矩 Tightening Torque (N.m)
LK10-30-□□□-□□□-□	8	14	30	50	18.5	13	4-M3	1.5-1.9
LK10-40-□□□-□□□-□	11	20	40	66	25	16	6-M4	3.4-4.1
LK10-55-□□□-□□□-□	15	28	55	78	30	18	8-M5	7.0-8.5
LK10-65-□□□-□□□-□	20	38	65	90	35	20	8-M5	7.0-8.5
LK10-80-□□□-□□□-□	30	45	80	114	45	24	8-M6	14-15
LK10-95-□□□-□□□-□	38	50	95	126	50	26	8-M8	27-30
LK10-105-□□□-□□□-□	38	60	105	140	56	28	8-M8	27-30
LK10-120-□□□-□□□-□	40	65	120	160	65	30	8-M10	55-60
LK10-135-□□□-□□□-□	45	70	135	185	75	35	8-M12	70-80

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit)：mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																												
	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60	65	70
LK10-30-□□□-□□□-□	•	•	•	•	•	•	•																					
LK10-40-□□□-□□□-□					•	•	•	•	•	•	•	•																
LK10-55-□□□-□□□-□								•	•	•	•	•	•	•	•	•												
LK10-65-□□□-□□□-□												•	•	•	•	•	•	•	•	•								
LK10-80-□□□-□□□-□																	•	•	•	•	•	•	•					
LK10-95-□□□-□□□-□																				•	•	•	•	•	•			
LK10-105-□□□-□□□-□																				•	•	•	•	•	•	•		
LK10-120-□□□-□□□-□																					•	•	•	•	•	•	•	
LK10-135-□□□-□□□-□																							•	•	•	•	•	•

技术参数 Specifications

单位 (unit)：mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK10-30-□□□-□□□-Y	7.5	20000	1.4×10^{-4}	73	0.15	1	$+1.0\ 0$	95
LK10-40-□□□-□□□-Y	12	15000	6.0×10^{-4}	570	0.1	1	$+1.2\ 0$	230
LK10-55-□□□-□□□-Y	35	13000	2.9×10^{-4}	1600	0.1	1	$+1.4\ 0$	579
LK10-65-□□□-□□□-Y	95	10500	5.2×10^{-4}	3000	0.14	1	$+1.5\ 0$	714
LK10-80-□□□-□□□-Y	190	8600	1.7×10^{-3}	5300	0.15	1	$+1.8\ 0$	1558
LK10-95-□□□-□□□-Y	265	7500	4.1×10^{-3}	6200	0.17	1	$+2.0\ 0$	2734
LK10-105-□□□-□□□-Y	310	6000	6.2×10^{-3}	10870	0.19	1	$+2.1\ 0$	3258
LK10-30-□□□-□□□-R	12.5	20000	1.4×10^{-4}	130	0.09	0.9	$+1.0\ 0$	95
LK10-40-□□□-□□□-R	21	15000	6.0×10^{-4}	1200	0.06	0.9	$+1.2\ 0$	230
LK10-55-□□□-□□□-R	60	13000	2.9×10^{-4}	2600	0.1	0.9	$+1.4\ 0$	579
LK10-65-□□□-□□□-R	160	10500	5.2×10^{-4}	4900	0.1	0.9	$+1.5\ 0$	714
LK10-80-□□□-□□□-R	325	8600	1.7×10^{-3}	6500	0.1	0.9	$+1.8\ 0$	1558
LK10-95-□□□-□□□-R	450	7500	4.1×10^{-3}	8900	0.1	0.9	$+2.0\ 0$	2734
LK10-105-□□□-□□□-R	525	6000	6.2×10^{-3}	25759	0.1	0.9	$+2.1\ 0$	3258
LK10-120-□□□-□□□-R	685	5500	1.3×10^{-2}	32117	0.1	0.9	$+2.2\ 0$	5186
LK10-135-□□□-□□□-R	940	5000	2.3×10^{-2}	38520	0.1	0.9	$+2.6\ 0$	7803

技术参数 Specifications

单位 (unit): mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 Mass (g)
LK10-55-□□□-□□□-G	75	13000	2.9×10^{-4}	5030	0.07	0.8	$+1.4_{0}$	579
LK10-65-□□□-□□□-G	200	10500	5.2×10^{-4}	10260	0.08	0.8	$+1.5_{0}$	714
LK10-80-□□□-□□□-G	405	8600	1.7×10^{-3}	16300	0.09	0.8	$+1.8_{0}$	1558
LK10-95-□□□-□□□-G	560	7500	4.1×10^{-3}	26860	0.1	0.8	$+2.0_{0}$	2734
LK10-105-□□□-□□□-G	655	6000	6.2×10^{-3}	47630	0.1	0.8	$+2.1_{0}$	3258

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。
3.各弹性数值为20°C时数值。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK11 系列
LK11 Series

使用注意事项:
CAUTIONS:

1.请务必遵守偏心,偏角,轴向的允许公差。
2.螺栓类请务必以指定的转矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时,可能会无法保持组装精度而在使用中发生破损,请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性,但极度粘附的环境也会导致产品劣化,请避免此类情况。
5.弹性元件由薄薄的不锈钢膜片组成,使用时注意避免划伤。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Plate springs consist of thin stainless steel diaphragms, when using, care should be taken to avoid scratches.

安装方式:
INSTALLATION:

确认联轴器的压紧螺栓有无松动,去除轴及联轴器内径面的锈迹,灰尘及油等。特别是,对联轴器摩擦系数有显著影响的各类润滑脂,绝不可有粘附。
Confirm whether the compression bolt of the coupling is loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.对好键槽,请将联轴器插入电动机轴和从动轴。插入时,请勿在联轴器的弹性元件上施加过大的压缩和拉伸力,特别是在把联轴器安装至电动机后将联轴器插入从动轴时,可能会因错误操作而施加过大的压缩力,请注意。
For proper keyway, please insert the coupling into the motor shaft and driven shaft. When inserting, do not apply too much compression and tensile force on the elastic element of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在加压螺栓处于松动状态下,请确认联轴器是否能沿轴向和旋转方向轻微移动,如果无法顺畅移动,请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法,如果无法使用同样的确认方法,请使用其他测量方法确认安装精度。
When the compression bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it cannot move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.调整好同轴度后,将键槽上面的加压螺栓拧紧。
After the coaxiality is adjusted, tighten the pressure bolt on the keyway.

LK11 系列

LK11 Series

I.单节键槽联接膜片联轴器

I. Keyway Type (Single Plate Springs)

特点 Features

- 利用键槽联接的膜片型联轴器
- 零回转间隙，拆装方便
- 高灵敏度，传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接

一体化膜片组

LK11-56~LK11-104

主体：铁合金材料

Body:Steel

- Using keyway connect, plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb parallel, angular misalignments and shaft end-play
- For servomotor, stepmotor connect

一体化膜片组

LK11-115~LK11-144

选型举例： Ordering Information

LK11 — □K - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia

例：LK11-56K-10-14

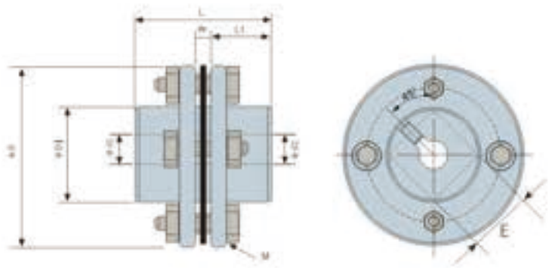
LK11：系列号，材料为45#钢

56K：外径尺寸：56mm，键槽联接

10：d1孔径为：10mm，孔公差H8

14：d2孔径为：14mm，孔公差H8

孔径公称请按照d1(小径)-d2(大径)的顺序标示



Example: LK11-56K-10-14

LK11：Series NO,Material:45# steel

56K：Outside Dia:56mm,keyway type

10：d1 Bore:10 mm,H8

14：d2 Bore:14mm,H8

Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	ΦD1	L	L1	W	E	M
LK11-56K-□□□-□□□	8	20	56	32	45	20	5	26	M5
LK11-62K-□□□-□□□	11	22	62	36	56	25	6	30.5	M6
LK11-68K-□□□-□□□	11	≤22	68	36	56	25	6	31	M6
		>22~25		40					
LK11-82K-□□□-□□□	14	≤28	82	45	66	29	8	38	M8
		>28~35		54					
LK11-94K-□□□-□□□	14	38	94	56	68.5	30	8.5	41	M8
LK11-104K-□□□-□□□	18	42	104	65	80	35	10	45	M8
LK11-115K-□□□-□□□	22	45	115	67	91	39.5	12	53	M10
LK11-126K-□□□-□□□	22	50	126	78	92.5	40	12.5	60	M10
LK11-144K-□□□-□□□	24	60	144	82	103	45	13	70	M12
LK11-152K-□□□-□□□	35	75	152	100	103.5	45	13.5	86	M12
LK11-178K-□□□-□□□	38	80	178	118	124	55	14	90	M12
LK11-190K-□□□-□□□	40	85	190	126	145	65	15	92	M14
LK11-210K-□□□-□□□	45	90	210	140	165	75	15	102	M16
LK11-225K-□□□-□□□	48	100	225	144	200	90	20	110	M16
LK11-262K-□□□-□□□	50	115	262	166	223	100	23	124	M20

说明：

1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。

2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)
	8 10 11 12 14 15 16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 48 50 55 60 65 70 75 80 85 90 95 100 110 115
LK11-56K-□□□-□□□	• • • • • • • • • • •
LK11-62K-□□□-□□□	• • • • • • • • • • •
LK11-68K-□□□-□□□	• • • • • • • • • • • • •
LK11-82K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-94K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-104K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-115K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-126K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-144K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-152K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-178K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-190K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-210K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-225K-□□□-□□□	• • • • • • • • • • • • • • • • •
LK11-262K-□□□-□□□	• • • • • • • • • • • • • • • • •

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 Mass (g)
LK11-56K-□□□-□□□	25	20000	9.3×10^{-5}	15000	0.02	1	±0.6	327
LK11-62K-□□□-□□□	40	18000	2.0×10^{-4}	25000	0.02	1	±0.7	524
LK11-68K-□□□-□□□	60	15000	2.6×10^{-4}	28000	0.02	1	±0.7	603
LK11-82K-□□□-□□□	100	14000	6.5×10^{-4}	81000	0.02	1	±1.1	1000
LK11-94K-□□□-□□□	180	11000	1.2×10^{-3}	165000	0.02	1	±1.3	1493
LK11-104K-□□□-□□□	250	9800	2.2×10^{-3}	240000	0.02	1	±1.5	2158
LK11-115K-□□□-□□□	330	8700	3.7×10^{-3}	310000	0.02	1	±1.6	2985
LK11-126K-□□□-□□□	420	8000	5.5×10^{-3}	410000	0.02	1	±1.6	3794
LK11-144K-□□□-□□□	700	6800	1.0×10^{-2}	760000	0.02	1	±1.8	5425
LK11-152K-□□□-□□□	800	5800	1.2×10^{-2}	836000	0.03	1	±1.8	5740
LK11-178K-□□□-□□□	1300	5100	3.0×10^{-2}	1065000	0.03	1	±1.9	10270
LK11-190K-□□□-□□□	2000	4700	4.5×10^{-2}	1150000	0.03	1	±1.9	13190
LK11-210K-□□□-□□□	3900	4300	8.0×10^{-2}	1520000	0.03	1	±1.9	18926
LK11-225K-□□□-□□□	4900	4000	1.1×10^{-1}	1930000	0.03	1	±1.9	22099
LK11-262K-□□□-□□□	7900	3400	2.2×10^{-1}	3500000	0.03	1	±1.9	33987

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

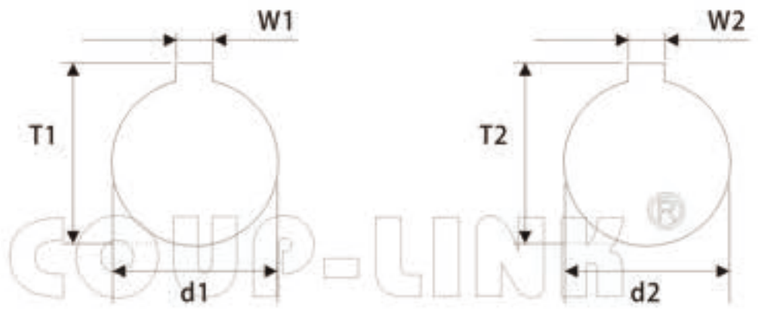
Note:

1.Moment of inertia and weight are based on the maximum size bores

2.The maximum speed does not consider dynamic balance.

LK11 系列 选项:定位螺丝加键槽固定,键槽尺寸

LK11 Series Setscrew Keyway Type



键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

单位(unit):mm

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

LK11 系列 II.多节键槽联接膜片联轴器

LK11 Series II. Keyway Type(Double Plate Springs)

特点 Features

- 利用键槽联接的膜片型联轴器
- 零回转间隙,拆装方便
- 高灵敏度,传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接

一体化膜片组
LK11-56WP~LK11-104WP

主体:铁合金材料
Body:Steel

- Using keyway connect, plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb parallel, angular misalignments and shaft end-play
- For servomotor, stepmotor connect

一体化膜片组
LK11-115WP~LK11-178WP

选型举例: Ordering Information

LK11 — □K - □□□ - □□□WP

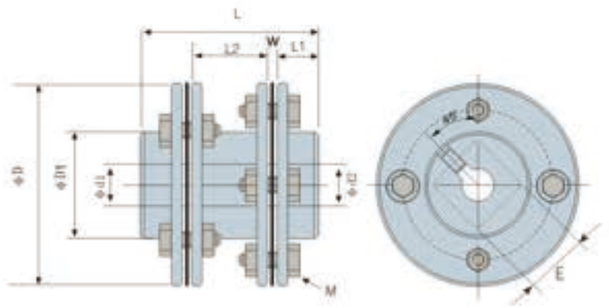
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

例: LK11-82K-14-20WP

LK11: 系列号,材料为45#钢
82K: 外径尺寸: 82mm,键槽联接
14: d1孔径为: 14mm,孔公差H8
20: d2孔径为: 20mm,孔公差H8
wp: 双膜片
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK11-82K-14-20WP

LK11: Series NO,Material:45# steel
82K: Outside Dia:82mm,keyway type
14: d1 Bore:14 mm,H8
20: d2 Bore:20mm,H8
wp: double plate springs
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min·Bore	d1·d2 最大孔径 Max·Bore	ΦD	ΦD1	L	L1	L2	W	E	M
LK11-56K-□□□-□□□WP	8	20	56	32	74	20	24	5	26	4-M5
LK11-62K-□□□-□□□WP	11	22	62	36	86	25	24	6	30.5	4-M6
LK11-68K-□□□-□□□WP	11	≤22	68	36	86	25	24	6	31	4-M6
		>22~25		40						
LK11-82K-□□□-□□□WP	14	≤28	82	45	100	29	26	8	38	4-M8
		>28~35		54						
LK11-94K-□□□-□□□WP	14	38	94	56	107	30	30	8.5	41	4-M8
LK11-104K-□□□-□□□WP	18	42	104	65	120	35	30	10	45	4-M8
LK11-115K-□□□-□□□WP	22	45	115	67	141	39.5	38	12	53	6-M10
LK11-126K-□□□-□□□WP	22	50	126	78	143	40	38	12.5	60	6-M10
LK11-144K-□□□-□□□WP	24	60	144	82	162	45	46	13	70	6-M12
LK11-152K-□□□-□□□WP	35	75	152	100	186	45	69	13.5	86	6-M12
LK11-178K-□□□-□□□WP	38	80	178	118	218	55	80	14	90	6-M12
LK11-190K-□□□-□□□WP	40	85	190	126	260	65	100	15	92	6-M14
LK11-210K-□□□-□□□WP	45	90	210	140	290	75	110	15	102	6-M16
LK11-225K-□□□-□□□WP	48	100	225	144	335	90	115	20	110	6-M16
LK11-262K-□□□-□□□WP	50	115	262	166	391	100	145	23	124	6-M20

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)
	8 10 11 12 14 15 16 18 19 20 22 24 25 28 30 32 35 38 40 42 45 48 50 55 60 65 70 75 80 85 90 95 100 110 115
LK11-56K-□□□-□□□WP	• • • • • • • • • • •
LK11-62K-□□□-□□□WP	• • • • • • • • • • •
LK11-68K-□□□-□□□WP	• • • • • • • • • • • • •
LK11-82K-□□□-□□□WP	• • • • • • • • • • • • • • • • • •
LK11-94K-□□□-□□□WP	• • • • • • • • • • • • • • • • • • •
LK11-104K-□□□-□□□WP	• • • • • • • • • • • • • • • • • •
LK11-115K-□□□-□□□WP	• • • • • • • • • • • • • • • • •
LK11-126K-□□□-□□□WP	• • • • • • • • • • • • • • • • • •
LK11-144K-□□□-□□□WP	• • • • • • • • • • • • • • • • •
LK11-152K-□□□-□□□WP	• • • • • • • • • • • • • • • • •
LK11-178K-□□□-□□□WP	• • • • • • • • • • • • • • • • •
LK11-190K-□□□-□□□WP	• • • • • • • • • • • • • • • • •
LK11-210K-□□□-□□□WP	• • • • • • • • • • • • • • • • •
LK11-225K-□□□-□□□WP	• • • • • • • • • • • • • • • • •
LK11-262K-□□□-□□□WP	• • • • • • • • • • • • • • • • •

技术参数 Specifications

单位(unit):mm

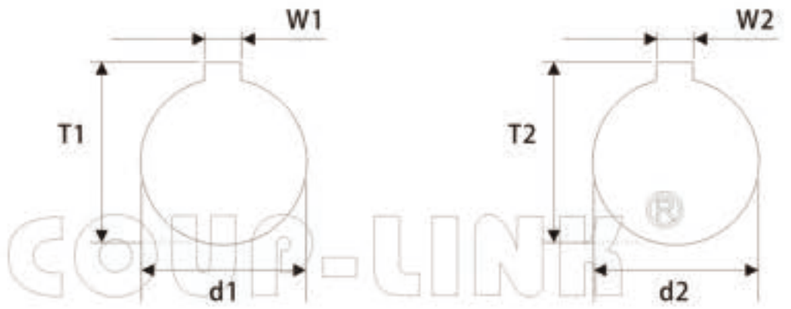
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 Mass (g)
LK11-56K-□□□-□□□WP	25	15000	2.1×10^{-4}	7500	0.5	1.5	±1.2	576
LK11-62K-□□□-□□□WP	40	14500	4.2×10^{-4}	12500	0.5	1.5	±1.3	867
LK11-68K-□□□-□□□WP	60	14000	5.9×10^{-4}	13000	0.5	1.5	±1.4	1038
LK11-82K-□□□-□□□WP	100	11000	1.4×10^{-3}	39000	0.5	1.5	±2.2	1728
LK11-94K-□□□-□□□WP	180	9500	2.9×10^{-3}	78000	0.6	1.5	±2.6	2565
LK11-104K-□□□-□□□WP	250	8800	4.8×10^{-3}	115000	0.6	1.5	±3.0	3476
LK11-115K-□□□-□□□WP	330	8000	1.0×10^{-2}	170000	0.7	1.5	±3.2	5703
LK11-126K-□□□-□□□WP	420	6800	1.3×10^{-2}	200000	0.8	1.5	±3.2	6570
LK11-144K-□□□-□□□WP	700	6000	2.6×10^{-2}	350000	0.9	1.5	±3.6	9469
LK11-152K-□□□-□□□WP	800	5800	3.5×10^{-2}	750000	1.4	2	±3.6	10750
LK11-178K-□□□-□□□WP	1300	5100	7.7×10^{-2}	1420000	1.6	2	±3.8	18355
LK11-190K-□□□-□□□WP	2000	4700	1.1×10^{-1}	1690000	2.0	2	±3.8	23390
LK11-210K-□□□-□□□WP	3900	4300	1.9×10^{-1}	2340000	2.1	2	±3.8	34236
LK11-225K-□□□-□□□WP	4900	4000	2.5×10^{-1}	2970000	2.3	2	±3.8	39760
LK11-262K-□□□-□□□WP	7900	3400	5.2×10^{-1}	5390000	2.9	2	±3.8	61680

说明：
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK11 系列 选项：定位螺丝加键槽固定，键槽尺寸

LK11 Series Setscrew Keyway Type



单位(unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

LK12 系列
LK12 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的转矩拧紧。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.

安装方式：
INSTALLATION:

1.确认联轴器上的螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the bolts on the coupling are loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴。插入时，请勿在联轴器上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

3.在固定螺栓处于松开状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the fixing bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it can not move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

LK12 系列
LK12 Series

编码器联轴器
Encoder Coupling

特点 Features

- 材料选用玻璃纤维，柔性好
- 适用于编码器联接
- Polyestar resin with glass fibar
- For encoder

LK12-10~LK12-22

LK12-25

选型举例：Ordering Information

LK12 - □ - □□ - □□

- d2轴径(大径)：d2 Bore
- d1轴径(小径)：d1 Bore
- 外径尺寸：Outside Dia

LK12-44
LK12-54

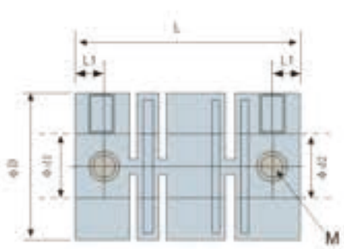
LK12-44L
LK12-54L

例：LK12-13-04-04

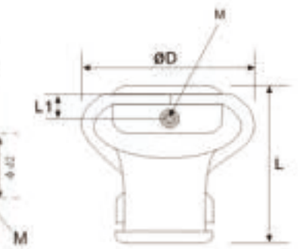
LK12：系列号，材料为玻璃纤维
13：外径尺寸：13mm，定位螺丝固定
04：d1轴径为：04 mm
04：d2轴径为：04 mm

Example: LK12-13-04-04

LK12: Series NO, Material: Glass Fibars
13: Outside Dia: 13mm, Setscrew Type
04: d1 Bore:04 mm
04: d2 Bore: 04 mm



LK12-13,LK12-15



LK12-25~LK12-54

外型尺寸 Dimensions

单位(unit):mm

型号 Model	最大孔径 Max-Bore	ΦD	L	L1	M	拧紧力矩 (N.m)
LK12-13-□□-□□	4	13	21	3.0	M3	0.7
LK12-15-□□-□□	6	15	22	3.0	M3	0.7
LK12-19-□□-□□	8	19	24.3	3.5	M4	1.9
LK12-25-□□-□□	10	25	32	3.2	M3	0.7
LK12-44-□□-□□	14	44	53	6.0	M4	1.9
LK12-44L-□□-□□	14	44	65	6.0	M4	1.9
LK12-54-□□-□□	17	54	66	8.0	M6	6.3
LK12-54L-□□-□□	17	54	78	8.0	M6	6.3

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	容许角向偏差 Errors of Angularity (°)	重量 Mass (g)
LK12-13-□□-□□	0.5	6000	4	2.9
LK12-15-□□-□□	0.8	6000	4	3.5
LK12-19-□□-□□	1.2	6000	4	7.3
LK12-25-□□-□□	0.8	6000	5	9.5
LK12-44-□□-□□	1.3	4000	5	31
LK12-44L-□□-□□	1.3	4000	5	31
LK12-54-□□-□□	2.25	3500	5	67
LK12-54L-□□-□□	2.25	3500	5	67

LK13 系列
LK13 Series

使用注意事项:
CAUTIONS:

1.请务必遵守偏心,偏角,轴向的允许公差。
2.螺栓类请务必以指定的转矩拧紧。
3.联轴器左右内径的同心度通过使用专用设备实现高精度生产。万一联轴器受到强烈冲击时,可能会无法保持高精度而在使用中发生破损,请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性,但极度粘附的环境也会导致产品劣化,请避免此类情况。
5.插入安装轴前,请勿拧紧夹紧螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameter of the coupling is achieved by using special equipment. In case that the coupling is under strong impact, it may not be able to maintain high accuracy and be damaged in use, please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式:
INSTALLATION:

1.确认联轴器上的螺栓有无松动,去除轴及联轴器内径面的锈迹,灰尘及油等。特别是,对联轴器摩擦系数有显著影响的各类润滑脂,绝不可有粘附。
Confirm whether the bolts on the coupling are loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴。插入时,请勿在联轴器上施加过大的压缩和拉伸力,特别是在把联轴器安装至电动机后将联轴器插入从动轴时,可能会因错误操作而施加过大的压缩力,请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

3.在固定螺栓处于松开状态下,请确认联轴器是否能沿轴向和旋转方向轻微移动,如果无法顺畅移动,请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法,如果无法使用同样的确认方法,请使用其他测量方法确认安装精度。
When the fixing bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it can not move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

LK13 系列
LK13 Series

I.定位螺丝固定微型刚性联轴器
I. Setscrew Type(Rigid)

特点 Features

- 重量轻、超低惯性和灵敏度
- 铝合金和不锈钢材料
- 定位螺丝固定

- Light weight, extremely low inertia and high response
- Available in aluminum alloy and stainless steel
- Setscrew type

主体:铝合金材料
Body:Aluminum Alloy

主体:不锈钢材料
Body:Stainless Steel

选型举例: Ordering Information

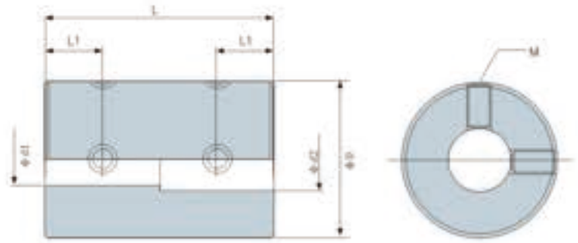
□LK13 — □ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志:标准型,铝合金材料 Blank: Standard, Aluminum Alloy
- S:不锈钢型 S: Stainless Steel

例:LK13-16-04-06

LK13: 系列号, 材料为铝合金
16: 外径尺寸:16mm, 定位螺丝固定
04: d1孔径为: 04mm,孔公差H8
06: d2孔径为: 06mm,孔公差H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example:LK13-16-04-06
LK13: Series NO, Material: Aluminum Alloy
16: Outside Dia: 16mm, Setscrew Type
04: d1 Bore:0 4 mm,H8
06: d2 Bore: 06mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min·Bore	d1·d2 最大孔径 Max·Bore	ΦD	L	L1	M	拧紧力矩 Tightening Torque (N.m)
LK13-16-□□□-□□□	3	6	16	24	6	M3	0.7
LK13-20-□□□-□□□	6	10	20	30	7	M3	0.7
LK13-25-□□□-□□□	8	12	25	36	9	M4	1.9
LK13-32-□□□-□□□	12	16	32	41	10	M4	1.9
LK13-40-□□□-□□□	16	20	40	44	10.5	M5	3.7
SLK13-16-□□□-□□□	3	6	16	24	6	M3	0.7
SLK13-20-□□□-□□□	6	10	20	30	7	M3	0.7
SLK13-25-□□□-□□□	8	12	25	36	9	M4	1.9
SLK13-32-□□□-□□□	12	16	32	41	10	M4	1.9
SLK13-40-□□□-□□□	16	20	40	44	10.5	M5	3.7

说明:
1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。
2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)															
	3	4	5	6	6.35	8	9	9.525	10	11	12	14	15	16	18	19	20
LK13-16-□□□-□□□	•	•	•	•													
SLK13-16-□□□-□□□	•	•	•	•													
LK13-20-□□□-□□□				•	•	•	•	•	•								
SLK13-20-□□□-□□□				•	•	•	•	•	•								
LK13-25-□□□-□□□						•	•	•	•	•	•						
SLK13-25-□□□-□□□						•	•	•	•	•	•						
LK13-32-□□□-□□□											•	•	•	•			
SLK13-32-□□□-□□□											•	•	•	•			
LK13-40-□□□-□□□														•	•	•	•
SLK13-40-□□□-□□□														•	•	•	•

技术参数 Specifications

单位(unit):mm

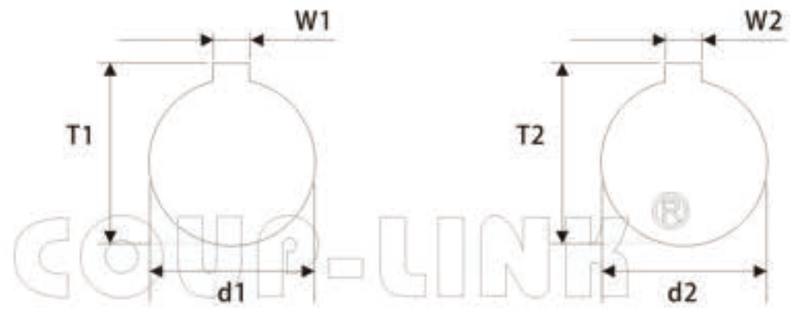
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of inertia (Kg.m2)	重量 N.W. (g)
LK13-16-□□□-□□□	0.3	23000	4.2×10^{-7}	12
LK13-20-□□□-□□□	0.5	18000	1.2×10^{-6}	21
LK13-25-□□□-□□□	1	14000	3.6×10^{-6}	38
LK13-32-□□□-□□□	2	10000	1.1×10^{-5}	67
LK13-40-□□□-□□□	4	8000	2.8×10^{-5}	114
SLK13-16-□□□-□□□	0.45	23000	1.2×10^{-6}	34
SLK13-20-□□□-□□□	0.75	18000	3.6×10^{-6}	59
SLK13-25-□□□-□□□	1.5	14000	1.0×10^{-5}	108
SLK13-32-□□□-□□□	3	10000	3.2×10^{-5}	196
SLK13-40-□□□-□□□	6	8000	8.3×10^{-5}	330

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK13 系列 选项:定位螺丝加键槽固定,键槽尺寸

LK13 Series Setscrew Keyway Type



键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

单位(unit):mm

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明:

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK13-32K-10-14

LK13: 系列号，材料为铝合金
32: 外径尺寸：32mm定位螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10,14两孔都加标准键槽

Example: LK13-32K-10-14

LK13: Series NO, Material : Aluminum alloy
32: Outside Dia:32mm,Setscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例:LK13-32-10K-14

LK13: 系列号，材料为铝合金
32: 外径尺寸：32mm定位螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10端孔加标准键槽

Example:LK13-32K-10K-14

LK13: Series NO, Material : Aluminum alloy
32: Outside Dia:32mm,Setscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway

LK13 系列 LK13 Series

II.夹紧螺丝固定微型刚性联轴器
II. Clamp Type(Rigid)

特点 Features

- 重量轻、超低惯性和灵敏度
- 铝合金和不锈钢材料
- 夹紧螺丝固定

主体:不锈钢材料
Body:Stainless Steel
SLK13-C16~SLK13-C50

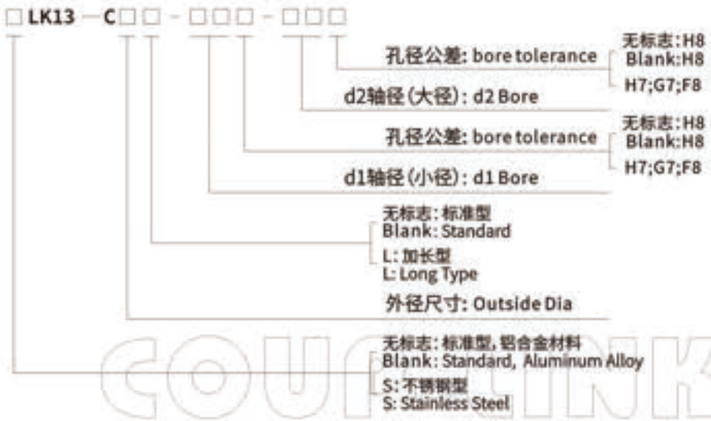
主体:铝合金材料
Body:Aluminum Alloy
LK13-C16~LK13-C50

- Light weight, extremely low inertia and high response
- Available in aluminum alloy and stainless steel
- Clamp type

主体:不锈钢材料
Body:Stainless Steel
SLK13-C16L~SLK13-C50L

主体:铝合金材料
Body:Aluminum Alloy
LK13-C16L~LK13-C50L

选型举例：Ordering Information

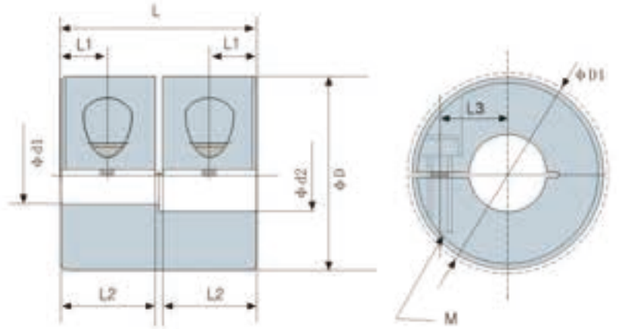


例:LK13-C20-06-08

LK13: 系列号，材料为铝合金
C20: 外径尺寸：20mm, 夹紧螺丝固定
06: d1孔径为：06mm,孔公差H8
08: d2孔径为：08mm,孔公差H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example:LK13-C20-06-08

LK13: Series NO, Material:Aluminum Alloy
C20: Outside Dia: 20mm, Clamp Type
06: d1 Bore: 06mm,H8
08: d2 Bore: 08 mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min·Bore	d1·d2 最大孔径 Max·Bore	ΦD	ΦD1	L	L1	L2	L3	M	拧紧力矩 Tightening Torque (N.m)
LK13-C16-□□□-□□□	3	6	16	17.5	16	3.75	7.7	5	M2.5	1.0-1.1
LK13-C20-□□□-□□□	6	8	20	20	20	4.75	9.5	6.2	M2.5	1.0-1.1
LK13-C25-□□□-□□□	8	10	25	25	25	6	12	7.5	M3	1.5-1.9
LK13-C32-□□□-□□□	12	14	32	32	32	7.75	15.5	10	M4	3.4-4.1
LK13-C40-□□□-□□□	16	18	40	40	44	10.5	21	13	M5	7.0-8.5
LK13-C50-□□□-□□□	18	24	50	50	55	13	26	17	M6	14-15
LK13-C16L-□□□-□□□	3	6	16	17.5	22	3.75	10.7	5	M2.5	1.0-1.1
LK13-C20L-□□□-□□□	6	8	20	20	24	4.75	11.5	6.2	M2.5	1.0-1.1
LK13-C25L-□□□-□□□	8	10	25	25	36	6	17.5	7.5	M3	1.5-1.9
LK13-C32L-□□□-□□□	12	14	32	32	40	6.5	19.5	10	M4	3.4-4.1
LK13-C40L-□□□-□□□	16	18	40	40	52	7	25	13	M5	7.0-8.5
LK13-C50L-□□□-□□□	18	24	50	50	66	9	32	17	M6	14-15
SLK13-C16-□□□-□□□	3	6	16	17.5	16	3.75	7.5	5	M2.5	1.0-1.1
SLK13-C20-□□□-□□□	6	8	20	20	20	4.75	9.5	6.2	M2.5	1.0-1.1
SLK13-C25-□□□-□□□	8	10	25	25	25	6	12	7.5	M3	1.5-1.9
SLK13-C32-□□□-□□□	12	14	32	32	32	7.75	15.5	10	M4	3.4-4.1
SLK13-C40-□□□-□□□	16	18	40	40	44	10.5	21	13	M5	7.0-8.5
SLK13-C50-□□□-□□□	18	24	50	50	55	13	26	17	M6	14-15
SLK13-C16L-□□□-□□□	3	6	16	17.5	22	3.75	10.7	5	M2.5	1.0-1.1
SLK13-C20L-□□□-□□□	6	8	20	20	24	4.75	11.5	6.2	M2.5	1.0-1.1
SLK13-C25L-□□□-□□□	8	10	25	25	36	6	17.5	7.5	M3	1.5-1.9
SLK13-C32L-□□□-□□□	12	14	32	32	40	6.5	19.5	10	M4	3.4-4.1
SLK13-C40L-□□□-□□□	16	18	40	40	52	7	25	13	M5	7.0-8.5
SLK13-C50L-□□□-□□□	18	24	50	50	66	9	32	17	M6	14-15

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm) 3	4	5	6	6.35	8	9	9.525	10	12	14	15	16	18	19	20	22	24
LK13-C16-□□□-□□□	•	•	•	•														
LK13-C16L-□□□-□□□	•	•	•	•														
SLK13-C16-□□□-□□□	•	•	•	•														
SLK13-C16L-□□□-□□□	•	•	•	•														
LK13-C20-□□□-□□□				•	•	•												
LK13-C20L-□□□-□□□				•	•	•												
SLK13-C20-□□□-□□□				•	•	•												
SLK13-C20L-□□□-□□□				•	•	•												
LK13-C25-□□□-□□□						•	•	•	•									
LK13-C25L-□□□-□□□						•	•	•	•									
SLK13-C25-□□□-□□□						•	•	•	•									
SLK13-C25L-□□□-□□□						•	•	•	•									
LK13-C32-□□□-□□□										•	•	•	•					
LK13-C32L-□□□-□□□										•	•	•	•					
SLK13-C32-□□□-□□□										•	•	•	•					
SLK13-C32L-□□□-□□□										•	•	•	•					
LK13-C40-□□□-□□□													•	•	•	•		
LK13-C40L-□□□-□□□													•	•	•	•		
SLK13-C40-□□□-□□□													•	•	•	•		
SLK13-C40L-□□□-□□□													•	•	•	•		
LK13-C50-□□□-□□□														•	•	•	•	•
LK13-C50L-□□□-□□□														•	•	•	•	•
SLK13-C50-□□□-□□□														•	•	•	•	•
SLK13-C50L-□□□-□□□														•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	重量 N.W. (g)
LK13-C16-□□□-□□□	0.3	9300	2.7×10^{-7}	8
LK13-C20-□□□-□□□	0.5	7400	7.9×10^{-7}	14
LK13-C25-□□□-□□□	1	6000	2.4×10^{-6}	27
LK13-C32-□□□-□□□	2	4600	8.3×10^{-6}	55
LK13-C40-□□□-□□□	4	4000	2.8×10^{-5}	116
LK13-C50-□□□-□□□	6	3800	8.4×10^{-5}	220
LK13-C16L-□□□-□□□	0.3	9300	3.8×10^{-7}	11
LK13-C20L-□□□-□□□	0.5	7400	9.6×10^{-7}	17
LK13-C25L-□□□-□□□	1	6000	3.5×10^{-6}	39
LK13-C32L-□□□-□□□	2	4600	1.0×10^{-5}	69
LK13-C40L-□□□-□□□	4	3800	3.3×10^{-5}	139
LK13-C50L-□□□-□□□	6	2800	1.0×10^{-4}	266
SLK13-C16-□□□-□□□	0.45	9300	7.3×10^{-7}	21
SLK13-C20-□□□-□□□	0.75	7400	2.2×10^{-6}	39
SLK13-C25-□□□-□□□	1.5	6000	6.9×10^{-6}	76
SLK13-C32-□□□-□□□	3	4600	2.3×10^{-5}	154
SLK13-C40-□□□-□□□	6	4000	7.9×10^{-5}	330
SLK13-C50-□□□-□□□	9	3800	1.8×10^{-4}	627
SLK13-C16L-□□□-□□□	0.45	9300	1.0×10^{-6}	28
SLK13-C20L-□□□-□□□	0.75	7400	2.6×10^{-6}	46
SLK13-C25L-□□□-□□□	1.5	6000	9.8×10^{-6}	110
SLK13-C32L-□□□-□□□	3	4600	2.9×10^{-5}	189
SLK13-C40L-□□□-□□□	6	3800	9.1×10^{-5}	384
SLK13-C50L-□□□-□□□	9	2800	2.8×10^{-4}	741

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

Note:

1.Moment of inertia and weight are based on the maximum size bores

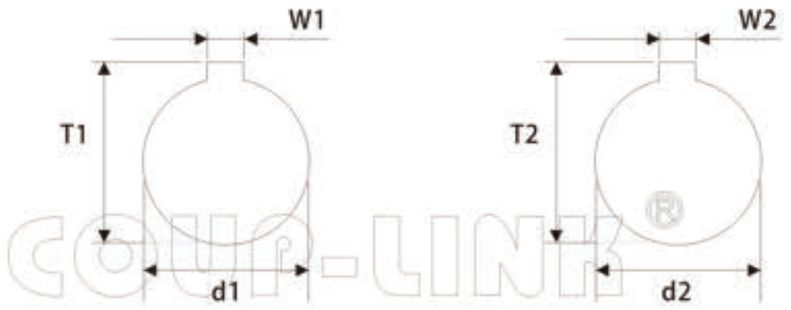
2.The maximum speed does not consider dynamic balance.

LK13 系列

LK13 Series

选项:夹紧螺丝加键槽固定,键槽尺寸

Clamp Keyway Type

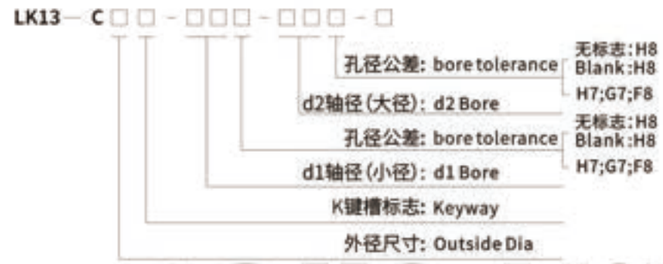


键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

单位 (unit):mm

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information



键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK13-C32K-10-14

LK13: 系列号，材料为铝合金
C32: 外径尺寸：32mm夹紧螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10,14两孔都加标准键槽

Example:LK13-C32K-10-14

LK13: Series NO, Material : Aluminum alloy
C32: Outside Dia:32mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例:LK13-C32-10K-14

LK13: 系列号，材料为铝合金
C32: 外径尺寸：32mm夹紧螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10端孔加标准键槽

Example: LK13-C32-10K-14

LK13: Series NO, Material : Aluminum alloy
C32: Outside Dia:32mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway

LK14 系列
LK14 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的转矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时，可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧加压螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation
5. Do not tighten the pressure bolt before inserting the mounting shaft.

安装方式：
INSTALLATION:

1.确认联轴器的压紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the compression bolt of the coupling is loose, and remove the rust, dust and oil on theshaftandthe inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴和从动轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft and driven shaft. When inserting, do not apply too much compression and tensile force on the elastic element of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在加压螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the compression bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it cannot move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.调整好同轴度后，将加压螺栓按对角轻轻拧紧。
After the coaxiality is adjusted, tighten the pressure bolt slightly diagonally.

5.确认轴向无压缩，拉伸等作用力后，请将加压螺栓按对角顺序拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按技术参数表的拧紧扭矩拧紧。
After confirming that there is no compression, tension and other forces in the axial direction, please tighten the compression bolts in diagonal sequence. When tightening the bolt, use the calibrated torque wrench and tighten it according to the tightening torque in the technical parameter table.

LK14 系列
LK14 Series

波纹管胀套联轴器
Locking Assemblies Coupling (Bellows)

特点 Features

- 利用胀套联接的膜片型联轴器
- 零回转间隙，拆装方便
- 弹性波纹管型结构补偿径向、角向和轴向偏差
- 顺时针与逆时针回转特性完全相同
- 波纹材料为不锈钢材料

- Using locking assemblies connect plate springs coupling
- Zero backlash
- Spring action bellows configuration absorbs parallel, angular misalignments and shaft end-play
- Identical clockwise and anticlockwise rotational characteristics
- Bellows material: Stainless steel

选型举例： Ordering Information

LK14 — □ - □□□ - □□□

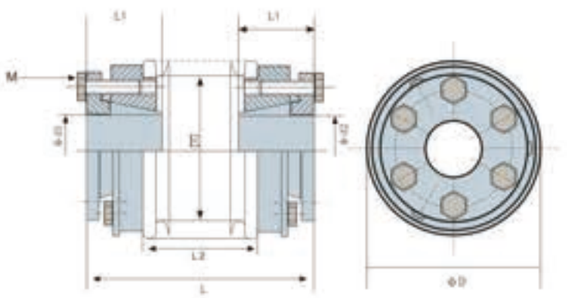
- 外径尺寸: Outside Dia
- d1轴径（小径）: d1 Bore
- 孔径公差: bore tolerance：无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance：无标志:H8 / Blank:H8 / H7;G7;F8

例：LK14-55-14-19

LK14：系列号,材料为不锈钢
55：外径尺寸:55mm
14：d1孔径为:14mm,孔公差为H8
19：d2孔径为:19mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK14-55-14-19

LK14: Series NO, Material:Stainless Steel
55: Outside Dia: 55mm
14: d1 Bore: 14mm,H8
19: d2 Bore: 19mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit)：mm

型号 Model	d1 - d2 最小孔径 Min-Bore	d1 - d2 最大孔径 Max-Bore	ΦD	L	L1	L2	E	M	拧紧力矩 Tightening Torque (N.m)
LK14-40-□□□-□□□	8	16	40	55	19	24	27	M4	3.4-4.1
LK14-55-□□□-□□□	10	20	55	65	22	31	37	M5	7.0-8.5
LK14-65-□□□-□□□	12	28	65	76	27	37	44	M6	14-15
LK14-82-□□□-□□□	14	38	82	88	32	41	53	M6	14-15

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit)：mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																		
	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38
LK14-40-□□□-□□□	•	•	•	•	•	•	•	•	•											
LK14-55-□□□-□□□				•	•	•	•	•	•	•	•	•								
LK14-65-□□□-□□□						•	•	•	•	•	•	•	•	•	•	•				
LK14-82-□□□-□□□							•	•	•	•	•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit)：mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK14-40-□□□-□□□	10	8000	5.4×10^{-5}	15000	0.15	2	1	267
LK14-55-□□□-□□□	25	6000	1.8×10^{-4}	35000	0.2	2	1.5	462
LK14-65-□□□-□□□	60	5000	4.4×10^{-4}	68000	0.25	2	1.5	782
LK14-82-□□□-□□□	80	4500	1.4×10^{-3}	120000	0.28	2	1.5	1461

说明：
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

LK15 系列
LK15 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时，
可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.弹性元件由薄薄的不锈钢膜片组成，使用时注意避免划伤。
6.插入安装轴前，请勿拧紧加压螺栓。

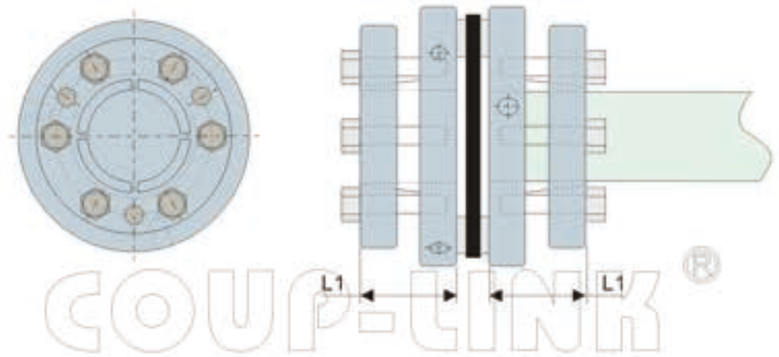
1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Plate springs consist of thin stainless steel diaphragms, when using, care should be taken to avoid scratches.
6. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust,dust and oil on the inner diameter surface of the shaft and coupling. In particular, all kinds of greases which have a significant impact on the friction coefficient of the coupling must not have adhesion.

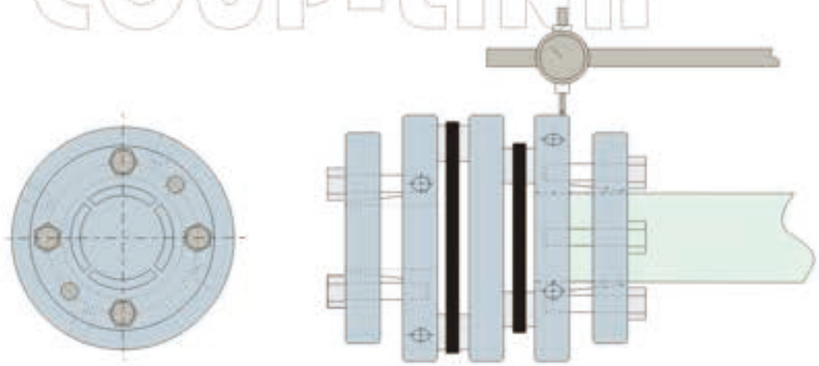
2.请将联轴器插入电动机轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

3.联轴器插入电动机轴的长度如下图所示，贯穿边节法兰全长（L1尺寸）并与轴联接，且不得与弹性元件及另一边的轴干涉，并保持在该位置。
The length of the coupling inserted into the motor shaft is shown in the figure below. The full length of the flange running through the side section (L1 size) is connected with the shaft, and it is not allowed to interfere with the elastic element and the axis on the other side, and is kept in this position.

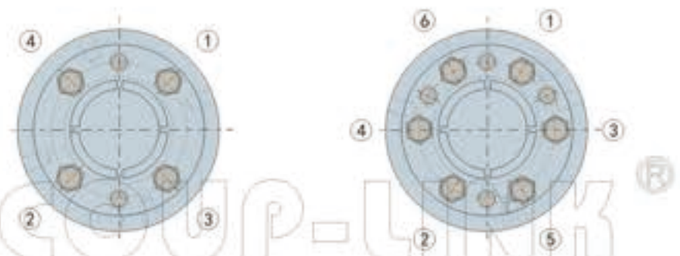


4.利用孔将加压螺栓按对角轻轻拧紧。
Use the hole to tighten the pressure bolt diagonally.

5.使千分表与电动机轴一侧的法兰端面或外径接触，在用手轻轻旋转电动机轴的同时，通过锤击调整法兰外圈部份及端面，使跳动尽可能接近零。
Make the micrometer contact with the flange end face or outer diameter of one side of the motor shaft, while gently rotating the motor shaft by hand, adjust the flange outer ring part and end face by hammering, so as to make the jump as close as possible to zero.



6.锤击调整的同时按顺序拧动加压螺栓，最后使用经过校准的扭力板手将所有加压螺栓均按下面的正确紧固扭矩拧紧。请参照下面图的加压螺栓拧紧顺序，将其均匀拧紧。
While hammering adjustment, the pressure bolts are screwed in sequence. Finally, all the pressure bolts are tightened according to the correct tightening torque below by using the calibrated torsion plate hand. Please refer to the tightening sequence of pressure bolts shown below and tighten them evenly.



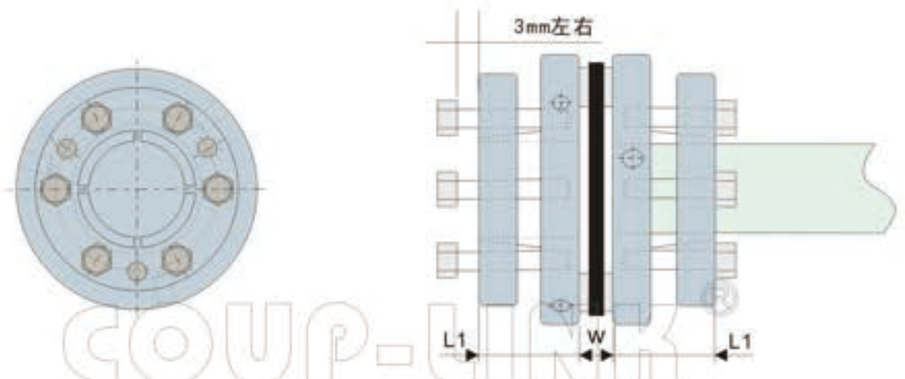
螺栓尺寸 Bolt size	拧紧力矩 Tightening torque (N.m)
M6	14-15
M8	27-30

7.请确认电动机轴的加压螺栓已按规定的扭矩拧紧，且跳动值较小。
Make sure that the compression bolt of the motor shaft has been tightened according to the specified torque, and the jump value is small.

8.将安装了联轴器的电动机安装至机身。安装时，将联轴器插入从动轴（滚珠丝杆等）的同时调整电动机的安装位置（定心接口），并注意切勿使弹性元件变形。并且从动轴的长度也要贯穿法兰的全长（L1尺寸）与轴相接，保持于该位置。
The motor with coupling is installed on the fuselage. When installing, insert the coupling into the driven shaft (ball screw, etc.) and adjust the installation position (centring interface) of the motor, and pay attention to the deformation of the elastic element. And the length of the driven shaft should also run through the full length of the flange (L1 dimension) and be connected with the shaft to maintain the position.

9.请将法兰面到面尺寸（W尺寸）控制在标准值的轴向位移允许误差范围内。该值为假设偏心，偏角为零时的允许值，请尽量调小。
Please control the flannel-to-surface dimension (W dimension) within the allowable error range of the axial displacement of the standard value. This value is the allowable value when the eccentricity is assumed and the deflection angle is zero. Please adjust it as small as possible

COUP-LINK® 联轴器



10.请按照与电动机轴侧的加压螺栓相同的顺序，将从动侧的加压螺栓依次紧固，最后以正确的紧固扭矩将螺栓拧紧。
In the same order as the compression bolts on the shaft side of the motor, tighten the compression bolts on the driven side in turn, and tighten the bolts with the correct tightening torque.

11.作为加压螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti-loosening measure of pressure bolt, it is suggested that after a period of operation, the correct tightening torque should be used again for tightening.

12.用于高速旋转（主轴）用途时的组装注意事项：
Matters needing attention in assembling for high-speed rotating (spindle) applications:

i. 用于加工中心的主轴等高速旋转用途时，可能会有振动的问题。
Vibration problems may occur when spindles are used for high-speed rotating purposes such as machining centers.

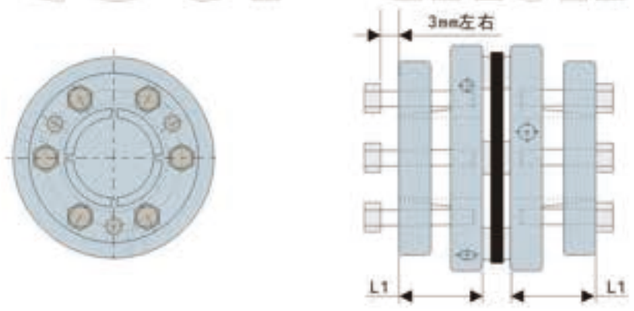
ii. 高速旋转时产生的振动原因之一，是因为主轴电机与主轴组装时产生的轴心偏离，即使联轴本身修正了平衡仍然会有振动。
One of the reasons for vibration caused by high-speed rotation is that the spindle motor deviates from the axis when it is assembled with the spindle. Even if the coupling itself corrects the balance, there will still be vibration.

iii.联轴器可允许偏心，偏角，轴向位移等的轴心偏离，但特别是用于高速旋转的用途时，就必注意轴心的偏离，务必在组装时进行轴心调整及组装后进行现场平衡调整。
Coupling can allow eccentricity, deviation angle, axial displacement and other axis deviation, but especially for high-speed rotating purposes, we must pay attention to the axis deviation, it is necessary to adjust the axis when assembling and balance after assembling.

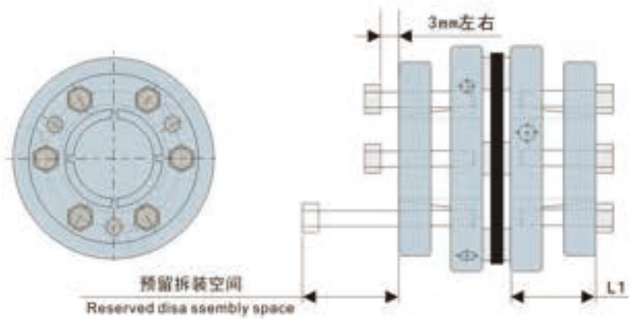
拆卸方法：
DISASSEMBLY METHOD:

1.确认联轴器未承受扭矩以及轴向负载。特别是在安全制动装置等工作状态下，联轴器可能正承受扭矩。拆除前请务必进行确认。
Confirm that the coupling does not withstand torque and axial load. Especially under the working condition of safety brake device, the coupling may be bearing torque. Be sure to confirm before demolition.

2.请松开所有的加压螺栓。(加压螺栓松开至支承面与套筒之间的间隙3mm左右)
Please loosen all the pressure bolts. (Pressure bolt loosened to about 3mm clearance between supporting surface and sleeve)

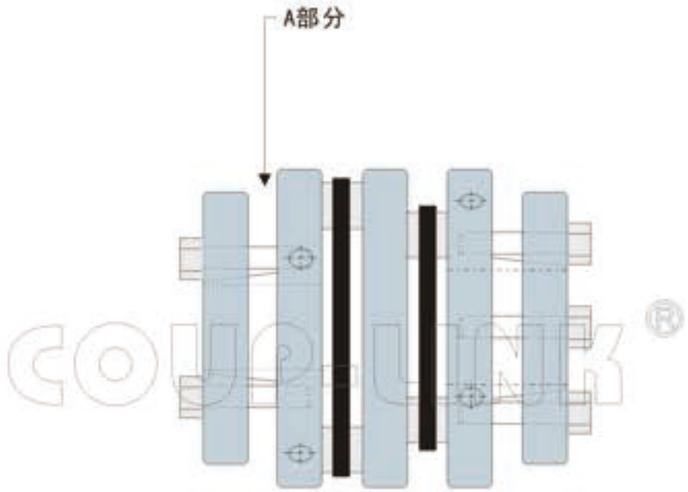


3.因这种固定结构套筒具有自锁作用，因此，只是松开加压螺栓是无法解除法兰与轴的紧固的(有些情况下松开加压螺栓可解除紧固，因此须注意)。所以，设计装置时，请务必留一个位置，用于插入拆除用的螺丝。
Because the sleeve of this fixed structure bs self-locking function, only loosening the pressure bolt can not release the flange and shaft tightening (in some cases loosening the pressure bolt can release the tightening, so we should pay attention to it). Therefore, when designing the device, be sure to leave a place for inserting the screw for demolition.



4.将2所松开的加压螺栓中的3根拔出，插入套筒上的拆卸用的螺丝孔内，依次一点点的拧紧，紧固就会解除。
Pull out three of the two loosened pressure bolts and insert them into the screw hole for disassembly on the sleeve. Tighten them one by one, and the tightening will be relieved.

5.另一方法，将一字螺丝刀等的前端插入至A部(最好间隔180°两边同时插入)，两边从垂直方向轻轻敲打轴，或者利用杠杆原理，解除紧固。此方法可能会损伤联轴器主体或者加压螺栓，因此请充分注意。
Another way is to insert the front end of a screwdriver and so on into the A part (preferably at 180 degrees on both sides simultaneously), and gently tap the sides of the shaft from the vertical direction, or use the lever principle to relieve the fastening. This method may damage the main body of the coupling or the pressure bolt, so please pay attention to it.



LK15 系列 I. 单节胀套膜片联轴器

LK15 Series I. Locking Assemblies Coupling (Single Plate Springs)

特点 Features

- 利用胀套联接的膜片型联轴器
- 零回转间隙，拆装方便
- 高灵敏度，传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿角向和轴向偏差
- 常用于伺服电机、步进电机联接

一体化膜片组
LK15-90~LK15-144
LK15-90L~LK15-144L

主体:45°钢
Body:45° steel

LK15-56~LK15-144

一体化膜片组
LK15-56~LK15-80
LK15-70L~LK15-80L

- Using locking assemblies connect plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end-play
- For servomotor、stepmotor connect

主体:45°钢
Body:45° steel

LK15-70L~LK15-144L

选型举例： Ordering Information

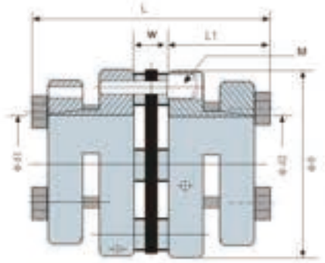
LK15 — □ - □□□ - □□□

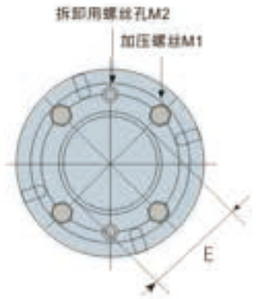
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8
- d2轴径(大径): d2 Bore — H7;G7;F8
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8
- d1轴径(小径): d1 Bore — H7;G7;F8
- 外径尺寸: Outside Dia

例：LK15-80-20-24

LK15：系列号，材料为45#钢
80：外径尺寸：80mm
20：d1孔径为：20mm,孔公差H8
24：d2孔径为：24mm，孔公差H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK15-80-20-24
LK15: Series NO, material:45# steel
80: Outside Dia: 80mm
14: d1 Bore :14mm, H8
20: d2 Bore :20mm, H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)





外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	L	L1	W	E	M	M1	M2	拧紧力矩 Tightening Torque (N.m)
LK15-56-□□□-□□□	11	24	56	65	29	7	26	M5	4-M6	2-M8	10
LK15-70-□□□-□□□	14	35	70	65	29	7	31	M6	4-M6	2-M8	10
LK15-70L-□□□-□□□	14	35	70	90	41.5	7	31	M6	4-M6	2-M8	10
LK15-80-□□□-□□□	18	35	80	70	31	8	38	M8	4-M6	2-M8	10
LK15-80L-□□□-□□□	18	35	80	95	43.5	8	38	M8	4-M6	2-M8	10
LK15-90-□□□-□□□	28	48	90	71	31	9	43	M8	6-M6	3-M8	10
LK15-90L-□□□-□□□	28	48	90	110	50.5	9	43	M8	6-M6	3-M8	10
LK15-100-□□□-□□□	32	60	100	72	31	10	50	M8	6-M6	3-M8	10
LK15-100L-□□□-□□□	32	60	100	124	57	10	50	M8	6-M6	3-M8	10
LK15-126-□□□-□□□	35	65	126	101.5	44.5	12.5	60	M10	6-M8	3-M8	24
LK15-126L-□□□-□□□	35	65	126	153.5	70.5	12.5	60	M10	6-M8	3-M8	24
LK15-144-□□□-□□□	35	75	144	119	53	13	70	M12	6-M8	3-M10	24
LK15-144L-□□□-□□□	35	75	144	171	79	13	70	M12	6-M8	3-M10	24

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																								
	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75
LK15-56-□□□-□□□	•	•	•	•	•	•	•	•	•	•																
LK15-70-□□□-□□□			•	•	•	•	•	•	•	•	•	•	•	•	•											
LK15-70L-□□□-□□□			•	•	•	•	•	•	•	•	•	•	•	•	•											
LK15-80-□□□-□□□						•	•	•	•	•	•	•	•	•	•											
LK15-80L-□□□-□□□						•	•	•	•	•	•	•	•	•	•											
LK15-90-□□□-□□□												•	•	•	•	•	•	•	•	•						
LK15-90L-□□□-□□□												•	•	•	•	•	•	•	•	•						
LK15-100-□□□-□□□														•	•	•	•	•	•	•	•	•	•			
LK15-100L-□□□-□□□														•	•	•	•	•	•	•	•	•	•			
LK15-126-□□□-□□□															•	•	•	•	•	•	•	•	•	•		
LK15-126L-□□□-□□□															•	•	•	•	•	•	•	•	•	•		
LK15-144-□□□-□□□															•	•	•	•	•	•	•	•	•	•	•	•
LK15-144L-□□□-□□□															•	•	•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK15-56-□□□-□□□	50	18000	2.84×10^{-4}	41000	0.02	1	±0.5	640
LK15-70-□□□-□□□	70	17000	6.35×10^{-4}	58000	0.02	1	±0.5	980
LK15-70L-□□□-□□□	70	17000	9.1×10^{-4}	67000	0.02	1	±0.5	1250
LK15-80-□□□-□□□	125	16000	8.38×10^{-4}	62000	0.02	1	±0.5	1180
LK15-80L-□□□-□□□	125	16000	1.25×10^{-3}	71000	0.02	1	±0.5	1520
LK15-90-□□□-□□□	180	14000	1.58×10^{-3}	140000	0.02	1	±0.6	1640
LK15-90L-□□□-□□□	180	14000	3.03×10^{-3}	160000	0.02	1	±0.6	2460
LK15-100-□□□-□□□	280	12000	2.26×10^{-3}	160000	0.02	1	±0.65	1930
LK15-100L-□□□-□□□	280	12000	5.11×10^{-3}	184000	0.02	1	±0.65	3170
LK15-126-□□□-□□□	450	10000	7.95×10^{-3}	450000	0.02	1	±0.8	4270
LK15-126L-□□□-□□□	450	10000	1.31×10^{-2}	517000	0.02	1	±0.8	5960
LK15-144-□□□-□□□	760	8000	1.42×10^{-2}	785000	0.02	1	±1.0	6000
LK15-144L-□□□-□□□	760	8000	2.47×10^{-2}	902000	0.02	1	±1.0	8580

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为单个元件的实测值。
3.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of a single element.
3. The maximum speed does not consider dynamic balance.

LK15 系列 II.多节胀套膜片联轴器

LK15 Series II.Locking Assemblies Coupling (Double Plate Springs)

特点 Features

- 利用胀套联接的膜片型联轴器
- 零回转间隙,拆装方便
- 高灵敏度,传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接

一体化膜片组
LK15-90~LK15-144
LK15-90L~LK15-144L

主体:45°钢
Body:45° steel

LK15-56WP~LK15-144WP

- Using locking assemblies connect,plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb parallel,angular misalignments and shaft end-play
- For servomotor、stepmotor connect

主体:45°钢
Body:45° steel

LK15-70LWP~LK15-144LWP

选型举例: Ordering Information

LK15 — □ - □□□ - □□□WP

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径 (大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径 (小径): d1 Bore
- 外径尺寸: Outside Dia

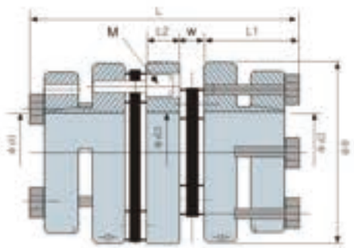
一体化膜片组
LK15-56~LK15-80
LK15-70L~LK15-80L

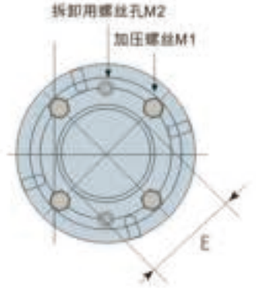
例: LK15-80-19-20WP

LK15: 系列号, 材料为45#钢
80: 外径尺寸: 80mm
19: d1孔径为: 19mm,孔公差H8
20: d2孔径为: 20mm, 孔公差H8
WP: 双膜片
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK15-80-19-20WP

LK15: Series NO, material:45# steel
80: Outside Diam: 80mm
19: d1 Bore :19mm, H8
20: d2 Bore :20mm, H8
WP: double plate spring
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)





外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min-Bore	d1·d2 最大孔径 Max-Bore	ΦD	L	L1	L2	W	d3	E	M	M1	M2	拧紧力矩 Tightening Torque (N.m)
LK15-56-□□□-□□□WP	11	24	56	80	29	8	7	26.5	26	M5	4-M6	2-M8	10
LK15-70-□□□-□□□WP	14	35	70	80	29	8	7	36.5	31	M6	4-M6	2-M8	10
LK15-70L-□□□-□□□WP	14	35	70	105	41.5	8	7	36.5	31	M6	4-M6	2-M8	10
LK15-80-□□□-□□□WP	18	35	80	88	31	10	8	40.5	38	M8	4-M6	2-M8	10
LK15-80L-□□□-□□□WP	18	35	80	113	43.5	10	8	40.5	38	M8	4-M6	2-M8	10
LK15-90-□□□-□□□WP	28	48	90	90	31	10	9	50	43	M8	6-M6	3-M8	10
LK15-90L-□□□-□□□WP	28	48	90	129	50.5	10	9	50	43	M8	6-M6	3-M8	10
LK15-100-□□□-□□□WP	32	60	100	92	31	10	10	60.5	50	M8	6-M6	3-M8	10
LK15-100L-□□□-□□□WP	32	60	100	144	57	10	10	60.5	50	M8	6-M6	3-M8	10
LK15-126-□□□-□□□WP	35	65	126	128	44.5	14	12.5	72	60	M10	6-M8	3-M8	24
LK15-126L-□□□-□□□WP	35	65	126	180	70.5	14	12.5	72	60	M10	6-M8	3-M8	24
LK15-144-□□□-□□□WP	35	75	144	146	53	14	13	82.5	70	M12	6-M8	3-M10	24
LK15-144L-□□□-□□□WP	35	75	144	198	79	14	13	82.5	70	M12	6-M8	3-M10	24

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																								
	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75
LK15-56-□□□-□□□WP	•	•	•	•	•	•	•	•	•	•																
LK15-70-□□□-□□□WP			•	•	•	•	•	•	•	•	•	•	•	•	•											
LK15-70L-□□□-□□□WP			•	•	•	•	•	•	•	•	•	•	•	•	•											
LK15-80-□□□-□□□WP						•	•	•	•	•	•	•	•	•	•											
LK15-80L-□□□-□□□WP						•	•	•	•	•	•	•	•	•	•											
LK15-90-□□□-□□□WP												•	•	•	•	•	•	•	•	•						
LK15-90L-□□□-□□□WP												•	•	•	•	•	•	•	•	•						
LK15-100-□□□-□□□WP														•	•	•	•	•	•	•	•	•	•			
LK15-100L-□□□-□□□WP														•	•	•	•	•	•	•	•	•	•			
LK15-126-□□□-□□□WP															•	•	•	•	•	•	•	•	•	•		
LK15-126L-□□□-□□□WP															•	•	•	•	•	•	•	•	•	•		
LK15-144-□□□-□□□WP															•	•	•	•	•	•	•	•	•	•	•	•
LK15-144L-□□□-□□□WP															•	•	•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK15-56-□□□-□□□WP	50	15000	3.48×10^{-4}	22000	0.20	2	±1.0	780
LK15-70-□□□-□□□WP	70	13000	8.65×10^{-4}	30000	0.25	2	±1.0	1200
LK15-70L-□□□-□□□WP	70	13000	1.06×10^{-3}	34000	0.25	2	±1.0	1480
LK15-80-□□□-□□□WP	125	11000	1.31×10^{-3}	32000	0.32	2	±1.0	1540
LK15-80L-□□□-□□□WP	125	11000	1.58×10^{-3}	37000	0.32	2	±1.0	1890
LK15-90-□□□-□□□WP	180	10000	2.52×10^{-3}	68000	0.32	2	±1.2	2070
LK15-90L-□□□-□□□WP	180	10000	3.46×10^{-3}	78000	0.32	2	±1.2	2810
LK15-100-□□□-□□□WP	280	8000	3.52×10^{-3}	79000	0.38	2	±1.3	2420
LK15-100L-□□□-□□□WP	280	8000	5.91×10^{-3}	91000	0.38	2	±1.3	3660
LK15-126-□□□-□□□WP	450	10000	1.23×10^{-2}	216000	0.38	2	±1.6	5300
LK15-126L-□□□-□□□WP	450	7000	1.57×10^{-2}	248000	0.38	2	±1.6	5730
LK15-144-□□□-□□□WP	760	8000	2.19×10^{-2}	380000	0.44	2	±2.0	7610
LK15-144L-□□□-□□□WP	760	6500	2.95×10^{-2}	437000	0.44	2	±2.0	10100

说明:

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为单个元件的实测值。

3.最高转速未考虑动平衡。

Note:

1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of a single element.
3. The maximum speed does not consider dynamic balance.

LK16 系列
LK16 Series

使用注意事项:
CAUTIONS:

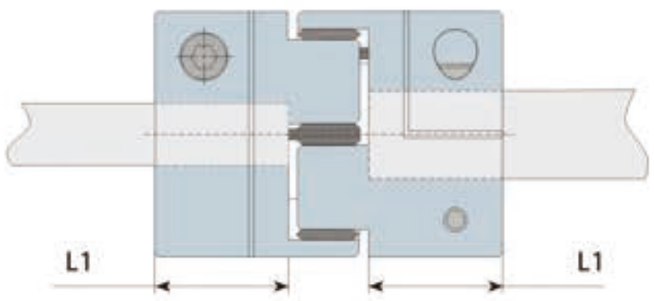
1.此系列有4种不同硬度的弹性体，不同硬度弹性体允许扭矩及吸收偏差不同，选用时请注意。
2.请务必遵守偏心，偏角，轴向的允许公差。
3.螺栓类请务必以指定的扭矩拧紧。
4.使用环境范围见下面弹性体参数表。弹性体虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧夹紧螺栓或者加压螺栓。

1. There are four kinds of elastomers with different hardness in this series. The allowable torque and absorption deviation of elastomers with different hardness are different. Please pay attention to the selection.
2. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
3. Bolts must be tightened with specified torque.
4. The scope of use is shown in the following table of elastomer parameters. Elastomers have water and oil resistance, but the environment of extreme adhesion can also lead to deterioration of products, please avoid such situations.
5. Do not tighten clamping bolts or pressure bolts before inserting them into the installation shaft.

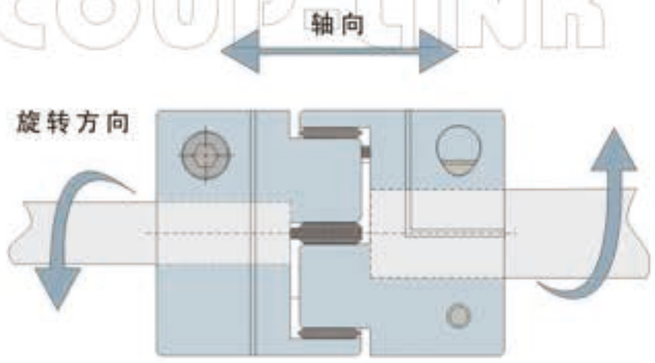
安装方式:
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附，安装前，请把轴，孔清理干净。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner surface of the shaft and coupling. Especially, all kinds of grease that have significant influence on the friction coefficient of the coupling must not be adhered. Clean the shaft and hole before installation.

2.请将联轴器插入电动机轴。插入长度必须接近联轴器的边节长度，使夹紧端面跟轴有足够大接触面，保证足够摩擦力。
Please insert the coupling into the motor shaft. The insertion length must be close to the side section length of the coupling, so that the clamping end has a large enough contact surface with the shaft to ensure sufficient friction.



3.在夹紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the clamping bolts are loose, make sure that the coupling can move slightly along the axis and rotation direction. If it can not move smoothly, please readjust the centering of the two axes. This method is recommended as a simple method to confirm the left and right concentricity. If the same method cannot be used, please use other measuring methods to confirm the installation accuracy.



4.确认联轴器能沿轴向和旋转方向顺畅移动后，请将两根夹紧螺栓拧紧。拧紧螺栓时，请使用经过校准的扭力板手，按参数表上所列的夹紧螺栓紧固扭矩上紧螺栓。
After confirming that the coupling can move smoothly along the axis and rotation direction, tighten the two clamping bolts. When tightening the bolt, please use the calibrated torsion plate hand to tighten the bolt according to the clamping bolt tightening torque listed in the parameter table.

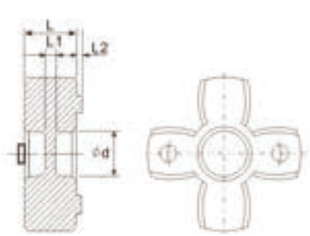
5.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti-loosening measure of clamping bolt, it is suggested that after running for a period of time, the correct tightening torque should be used again for tightening.

弹性体性能表 Elastomer Performance Table

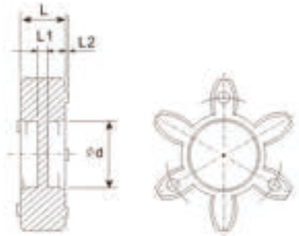
弹性体硬度 Elastomer Hardness	颜色 Colour	材质 Material	允许使用温度范围[持续温度] Permissible temperature range Continuous temperature(°C)	允许使用温度范围[瞬间温度] Permissible temperature range Instantaneous temperature(°C)	使用外径范围 Outer Diameter Range	典型应用 Application
80 Sh-A	蓝色(B)图	聚氨酯 (TPU)	-50°C to +80°C	-60°C to +120°C	14mm-40mm	编码器，电子测量系统的传动 Encoder, transmission of electronic measuring system
90 Sh-A	黄色(Y)图	聚氨酯 (TPU)	-40°C to +90°C	-50°C to +120°C	14mm-105mm	伺服电机，步进电机，电子测量和控制系统的传动。 Drive of servo motor, stepping motor, electronic measurement and control system
98 Sh-A	红色(R)图	聚氨酯 (TPU)	-30°C to +90°C	-40°C to +120°C	14mm-135mm	伺服电机，步进电机，定位，主轴，高载荷的传动。 Servo motor, stepping motor, positioning, spindle, high load transmission
64 Sh-D	绿色(G)图	聚氨酯 (TPU)	-20°C to +110°C	-30°C to +120°C	55mm-105mm	伺服电机，步进电机，定位，主轴，高载荷，高扭转刚性的传动。 Servo motor, stepping motor, positioning, spindle, high load, high torsional rigid transmission

蓝色(B)图　黄色(Y)图　红色(R)图　绿色(G)图

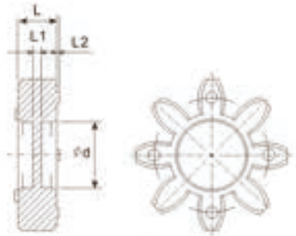
梅花联轴器中间弹性体尺寸 Curved Jaw Dimensions



14-4~30-4



40-6



55-8~135-8

外型尺寸 Dimensions

单位 (unit):mm

弹性体型号 Model	L	L1	L2	ϕd
14-4	6.1	6.1	0.5	—
20-4	8.2	1.0	0.5	7.9
25-4	10.3	4.3	0.6	8.2
30-4	10.0	1.6	1.0	10.9
40-6	12.2	3.4	1.5	18.2
55-8	14.0	4.0	1.5	26.6
65-8	15.0	4.6	2.0	30.0
80-8	18.6	5.6	2.0	38.0
95-8	20.7	5.7	2.0	46.8
105-8	21.4	6.4	2.5	51.0
120-8	22.0	4.8	2.7	59.8
135-8	26.0	5.6	2.7	67.5

说明：
如需弹性体通孔,请定货时注明。

Note:
If elastomer through holes are required, please specify when ordering.

LK16 系列
LK16 Series

I.定位螺丝固定型梅花联轴器
I.Setscrew Type (Curved Jaw)

特点 Features

- 中间弹性体联接
- 可吸收振动、补偿径向、角向和轴向偏差
- 抗油与电气绝缘
- 顺时针与逆时针回转特性完全相同
- 有四种不同硬度弹性体
- 定位螺丝固定

- Coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Resistance to oil and electrical insulation
- Identical clockwise and anticlockwise rotational characteristics
- Four different hardness sleeves are avaible
- Setscrew type

选型举例：Ordering Information

LK16 — □ - □□□ - □□□ - □

- 弹性体: Curved Jaw — B:蓝色, SH A 80硬度; Y:黄色, SH A 90硬度; R:红色, SH A 98硬度; G:绿色, SH D64硬度
- 孔径公差: bore tolerance — 无标志:H8; Blank:H8; H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8; Blank:H8; H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

胶体选配说明:标准情况下,胶体选配为:
LK16-15~LK16-42; LK16~C15-LK16-C42:胶体配黄色。
LK16-56~LK16-108; LK16-C56~LK16-C108: 胶体配红色。

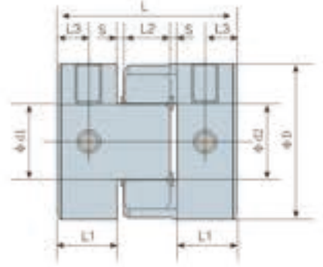
Note: Standard:
LK16-15~LK16-42;LK16~C15-LK16-C42:Yellow Insert.
LK16-56~LK16-108; LK16-C56~LK16-C108:Red Insert.

例：LK16-32-10-12-Y

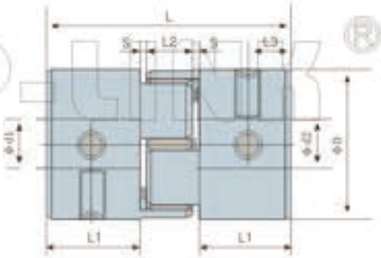
LK16：系列号，材料为铝合金
32：外径尺寸：32mm,定位螺丝固定
10：d1孔径为：10mm,孔公差H8
12：d2孔径为：12mm,孔公差H8
Y:弹性体为黄色,SHA 90硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK16-32-10-12-Y

LK16：Series NO，Material：Aluminum Alloy
32：Outside Dia：32mm，Setscrew Type
10：d1 Bore：10mm,H8
12：d2 Bore：12mm,H8
Y: yellow, SHA 90
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



LK16-15~LK16-32



LK16-42~LK16-108

外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 - d2 最小孔径 Min-Bore	d1 - d2 最大孔径 Max-Bore	ΦD	L	L1	L2	S	L3	M	拧紧力矩 Tightening Torque (N.m)
LK16-15-□□□-□□□-□	3	8	15	20	6	6	1	3	M4	0.7
LK16-26-□□□-□□□-□	6	12	26	26	7	10	1	4	M5	3.7
LK16-32-□□□-□□□-□	8	16	32	32	9.5	10	1.5	5	M5	3.7
LK16-42-□□□-□□□-□	11	24	42	50	17	12	2	8.5	M6	6.3
LK16-56-□□□-□□□-□	15	32	56	58	20	14	2	10	M6	6.3
LK16-66-□□□-□□□-□	20	35	66	62	21	15	2.5	10.5	M8	15
LK16-82-□□□-□□□-□	30	45	82	86	31	18	3	15.5	M8	15
LK16-98-□□□-□□□-□	38	60	98	94	34	20	3	17	M10	29.5
LK16-108-□□□-□□□-□	38	60	108	123	46	24	3.5	23	M10	29.5

说明:
1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。
2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																														
	3	4	5	6	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60
LK16-15-□□□-□□□-□	•	•	•	•	•	•																									
LK16-26-□□□-□□□-□				•	•	•	•	•	•	•	•																				
LK16-32-□□□-□□□-□						•	•	•	•	•	•	•	•	•																	
LK16-42-□□□-□□□-□										•	•	•	•	•	•	•	•	•	•												
LK16-56-□□□-□□□-□													•	•	•	•	•	•	•	•	•	•	•								
LK16-66-□□□-□□□-□																	•	•	•	•	•	•	•								
LK16-82-□□□-□□□-□																						•	•	•	•	•	•	•			
LK16-98-□□□-□□□-□																									•	•	•	•	•	•	•
LK16-108-□□□-□□□-□																									•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK16-15-□□□-□□□-B	0.7	19000	2.2×10^{-7}	8.6	0.15	1	$^{+0.6}_{0}$	6.6
LK16-26-□□□-□□□-B	3	16000	2.5×10^{-6}	17	0.19	1	$^{+0.8}_{0}$	25
LK16-32-□□□-□□□-B	4	15000	6.7×10^{-6}	62	0.2	1	$^{+1.0}_{0}$	44
LK16-42-□□□-□□□-B	6	13000	3.2×10^{-5}	380	0.2	1	$^{+1.2}_{0}$	113
LK16-15-□□□-□□□-Y	1.2	19000	2.2×10^{-7}	14	0.1	1	$^{+0.6}_{0}$	6.6
LK16-26-□□□-□□□-Y	5	16000	2.5×10^{-6}	65	0.14	1	$^{+0.9}_{0}$	25
LK16-32-□□□-□□□-Y	7.5	15000	6.7×10^{-6}	73	0.15	1	$^{+1.0}_{0}$	44
LK16-42-□□□-□□□-Y	12	13000	3.2×10^{-5}	570	0.1	1	$^{+1.2}_{0}$	113
LK16-56-□□□-□□□-Y	35	10500	1.3×10^{-4}	1600	0.14	1	$^{+1.4}_{0}$	264
LK16-66-□□□-□□□-Y	95	8300	2.5×10^{-4}	3000	0.15	1	$^{+1.5}_{0}$	348
LK16-82-□□□-□□□-Y	190	7000	8.5×10^{-4}	5300	0.17	1	$^{+1.8}_{0}$	786
LK16-98-□□□-□□□-Y	265	6000	1.8×10^{-3}	6200	0.19	1	$^{+2.0}_{0}$	1107
LK16-108-□□□-□□□-Y	310	5500	3.7×10^{-3}	10870	0.23	1	$^{+2.1}_{0}$	1958
LK16-15-□□□-□□□-R	2	19000	2.2×10^{-7}	22	0.06	0.9	$^{+0.6}_{0}$	6.6
LK16-26-□□□-□□□-R	9	16000	2.5×10^{-6}	85	0.08	0.9	$^{+0.9}_{0}$	25
LK16-32-□□□-□□□-R	12.5	15000	6.7×10^{-6}	130	0.09	0.9	$^{+1.0}_{0}$	44
LK16-42-□□□-□□□-R	21	13000	3.2×10^{-5}	1200	0.06	0.9	$^{+1.2}_{0}$	113
LK16-56-□□□-□□□-R	60	10500	1.3×10^{-4}	2600	0.1	0.9	$^{+1.4}_{0}$	264
LK16-66-□□□-□□□-R	160	8300	2.5×10^{-4}	4900	0.1	0.9	$^{+1.5}_{0}$	348
LK16-82-□□□-□□□-R	325	7000	8.5×10^{-4}	6500	0.1	0.9	$^{+1.8}_{0}$	786
LK16-98-□□□-□□□-R	450	6000	1.8×10^{-3}	8900	0.1	0.9	$^{+2.0}_{0}$	1107
LK16-108-□□□-□□□-R	525	5500	3.7×10^{-3}	25759	0.1	0.9	$^{+2.1}_{0}$	1958
LK16-56-□□□-□□□-G	75	10500	1.3×10^{-4}	5030	0.07	0.8	$^{+1.4}_{0}$	264
LK16-66-□□□-□□□-G	200	8300	2.5×10^{-4}	10260	0.08	0.8	$^{+1.5}_{0}$	348
LK16-82-□□□-□□□-G	405	7000	8.5×10^{-4}	16300	0.09	0.8	$^{+1.8}_{0}$	786
LK16-98-□□□-□□□-G	560	6000	1.8×10^{-3}	26860	0.1	0.8	$^{+2.0}_{0}$	1107
LK16-108-□□□-□□□-G	650	5500	3.7×10^{-3}	47630	0.11	0.8	$^{+2.1}_{0}$	1958

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

3.各弹性数值为20°C时数值。

Note:

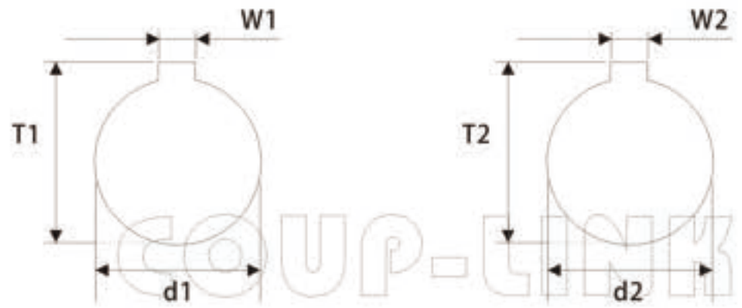
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK16 系列

LK16 Series

选项：定位螺丝加键槽固定，键槽尺寸

Setscrew Keyway Type



键槽标准尺寸表(国标JS9)：

单位 (unit)：mm

Standard Dimension Table of Keyway(Js9)

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK16-32K-10-14-Y

LK16：系列号，材料为铝合金
32：外径尺寸：32mm,定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽
Y：弹性体为黄色，SHA 90硬度

Example: LK16-32K-10-14-Y

LK16: Series NO, Material: Aluminum alloy
32:Outside Dia:32mm,Setscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
Y:yellow,SHA 90

例：LK16-32-10K-14-Y

LK16：系列号，材料为铝合金
32：外径尺寸：32mm,定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽
Y：弹性体为黄色，SHA 90硬度

Example: LK16-32-10K-14-Y

LK16: Series NO, Material: Aluminum alloy
32:Outside Dia:32mm,Setscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway
Y:yellow,SHA 90

LK16 系列

LK16 Series

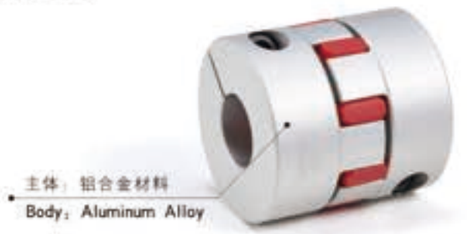
II. 夹紧螺丝固定型梅花联轴器

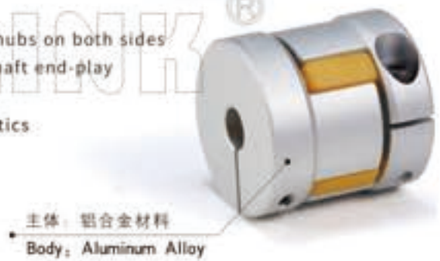
II. Clamp Type(Curved Jaw)

特点 Features

- 中间弹性体联接
- 可吸收振动、补偿径向、角向和轴向偏差
- 抗油与电气绝缘
- 顺时针与逆时针回转特性完全相同
- 有两种不同硬度弹性体
- 夹紧螺丝固定

- Coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Resistance to oil and electrical insulation
- Identical clockwise and anticlockwise rotational characteristics
- Two different hardness sleeves are avaible
- Clamp type





选型举例：Ordering Information

LK16 — C□ - □□□ - □□□ - □

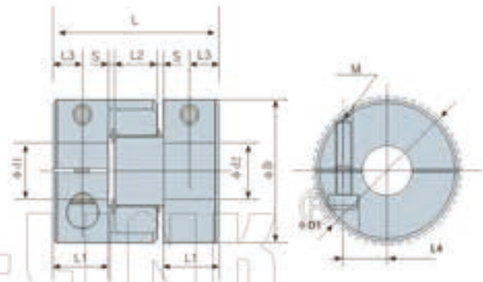
- 弹性体: Curved Jaw — B:蓝色, SH A 80硬度; Y:黄色, SH A 90硬度; R:红色, SH A 98硬度; G:绿色, SH D64硬度
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8; H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8; H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

胶体选配说明:标准情况下,胶体选配为:
LK16-15~LK16-42; LK16~C15-LK16-C42:胶体配黄色。
LK16-56~LK16-108; LK16-C56~LK16-C108: 胶体配红色。

Note: Standard:
LK16-15~LK16-42;LK16~C15-LK16-C42:Yellow Insert.
LK16-56~LK16-108; LK16-C56~LK16-C108:Red Insert.

例:LK16-C42-14-18-Y

LK16: 系列号，材料为铝合金
C42: 外径尺寸: 42mm, 定位螺丝固定
14: d1孔径为: 14mm,孔公差H8
18: d2孔径为: 18mm,孔公差H8
Y: 弹性体为黄色,SHA 90硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示



Example: LK16-C42-14-18-Y

LK16: Series NO, Material: Aluminum Alloy
C42: Outside Dia: 42mm, Clamp Type
18: d1 Bore: 18mm,H8
14: d2 Bore: 14mm,H8
Y: yellow, SHA 90
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	ΦD1	L	L1	L2	S	L3	L4	M	拧紧力矩 Tightening Torque (N.m)
LK16-C15-□□□-□□□-□	3	8	15	19	20	6	6	1.0	3	5.75	M2.5	1.0-1.1
LK16-C26-□□□-□□□-□	6	12	26	27	26	7	10	1.0	4	9.25	M3	1.5-1.9
LK16-C32-□□□-□□□-□	8	16	32	33.5	32	9.5	10	1.5	5	11.5	M4	3.4-4.1
LK16-C42-□□□-□□□-□	11	24	42	46	50	17	12	2.0	8.5	16	M5	7.0-8.5
LK16-C56-□□□-□□□-□	15	32	56	56	58	20	14	2.0	10	20	M6	14-15
LK16-C66-□□□-□□□-□	20	35	66	70.5	62	21	15	2.5	10.5	25	M8	27-30
LK16-C82-□□□-□□□-□	30	45	82	85	86	31	18	3.0	15.5	32	M8	27-30
LK16-C98-□□□-□□□-□	38	60	98	104	94	34	20	3.0	17	39.5	M10	55-60
LK16-C108-□□□-□□□-□	38	60	108	108	123	46	24	3.5	23	42	M10	55-60

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。
3.ΦD1为最大孔径时，产品的最大旋转外径，如需最大旋转外径跟产品外径一致，请根据具体孔径咨询本公司。

Note:
1. For other bores not listed above, if you need to order, you can provide additional services. please contact our company.
2.The tolerance of the opposite installation shaft is h7 and h8. If the shaft tolerance is other tolerance, please provide the tolerance requirements to be customized by the manufacturer.
3.ΦD1 is the maximum hole diameter.The maximum rotation outer diamter of the product.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																														
	3	4	5	6	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60
LK16-C15-□□□-□□□-□	•	•	•	•	•	•																									
LK16-C26-□□□-□□□-□				•	•	•	•	•	•	•	•																				
LK16-C32-□□□-□□□-□						•	•	•	•	•	•	•	•	•																	
LK16-C42-□□□-□□□-□										•	•	•	•	•	•	•	•	•	•												
LK16-C56-□□□-□□□-□													•	•	•	•	•	•	•	•	•	•	•								
LK16-C66-□□□-□□□-□																	•	•	•	•	•	•	•	•							
LK16-C82-□□□-□□□-□																						•	•	•	•	•	•	•			
LK16-C98-□□□-□□□-□																									•	•	•	•	•	•	•
LK16-C108-□□□-□□□-□																									•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK16-C15-□□□-□□□-B	0.7	19000	2.2×10^{-7}	8.6	0.15	1	$^{+0.6}_{0}$	18
LK16-C26-□□□-□□□-B	3	16000	2.5×10^{-6}	17	0.19	1	$^{+0.8}_{0}$	26
LK16-C32-□□□-□□□-B	4	12000	6.6×10^{-6}	62	0.2	1	$^{+1.0}_{0}$	50
LK16-C42-□□□-□□□-B	6	10000	3.2×10^{-5}	380	0.2	1	$^{+1.2}_{0}$	139
LK16-C15-□□□-□□□-Y	1.2	19000	2.2×10^{-7}	14	0.1	1	$^{+0.6}_{0}$	18
LK16-C26-□□□-□□□-Y	5	16000	2.5×10^{-6}	65	0.14	1	$^{+0.9}_{0}$	26
LK16-C32-□□□-□□□-Y	7.5	12000	6.6×10^{-6}	73	0.15	1	$^{+1.0}_{0}$	50
LK16-C42-□□□-□□□-Y	12	10000	3.2×10^{-5}	570	0.1	1	$^{+1.2}_{0}$	139
LK16-C56-□□□-□□□-Y	35	8000	1.2×10^{-4}	1600	0.14	1	$^{+1.4}_{0}$	264
LK16-C66-□□□-□□□-Y	95	6000	2.6×10^{-4}	3000	0.15	1	$^{+1.5}_{0}$	523
LK16-C82-□□□-□□□-Y	190	4600	8.4×10^{-4}	5300	0.17	1	$^{+1.8}_{0}$	998
LK16-C98-□□□-□□□-Y	265	3800	1.8×10^{-3}	6200	0.19	1	$^{+2.0}_{0}$	1367
LK16-C108-□□□-□□□-Y	310	3400	3.6×10^{-3}	10870	0.23	1	$^{+2.1}_{0}$	2534
LK16-C15-□□□-□□□-R	2	19000	2.2×10^{-7}	22	0.06	0.9	$^{+0.6}_{0}$	18
LK16-C26-□□□-□□□-R	9	16000	2.5×10^{-6}	85	0.08	0.9	$^{+0.9}_{0}$	26
LK16-C32-□□□-□□□-R	12.5	12000	6.6×10^{-6}	130	0.09	0.9	$^{+1.0}_{0}$	50
LK16-C42-□□□-□□□-R	21	10000	3.2×10^{-5}	1200	0.06	0.9	$^{+1.2}_{0}$	139
LK16-C56-□□□-□□□-R	60	8000	1.2×10^{-4}	2600	0.1	0.9	$^{+1.4}_{0}$	264
LK16-C66-□□□-□□□-R	160	6000	2.6×10^{-4}	4900	0.1	0.9	$^{+1.5}_{0}$	523
LK16-C82-□□□-□□□-R	325	4600	8.4×10^{-4}	6500	0.1	0.9	$^{+1.8}_{0}$	998
LK16-C98-□□□-□□□-R	450	3800	1.8×10^{-3}	8900	0.1	0.9	$^{+2.0}_{0}$	1367
LK16-C108-□□□-□□□-R	525	3400	3.6×10^{-3}	25759	0.1	0.9	$^{+2.1}_{0}$	2534
LK16-C56-□□□-□□□-G	75	8000	1.2×10^{-4}	5030	0.07	0.8	$^{+1.4}_{0}$	264
LK16-C66-□□□-□□□-G	200	6000	2.6×10^{-4}	10260	0.08	0.8	$^{+1.5}_{0}$	523
LK16-C82-□□□-□□□-G	405	4600	8.4×10^{-4}	16300	0.09	0.8	$^{+1.8}_{0}$	998
LK16-C98-□□□-□□□-G	560	3800	1.8×10^{-3}	26860	0.1	0.8	$^{+2.0}_{0}$	1367
LK16-C108-□□□-□□□-G	655	3400	3.6×10^{-3}	47630	0.11	0.8	$^{+2.1}_{0}$	2534

说明：

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

3.各弹性数值为20°C时数值。

Note:

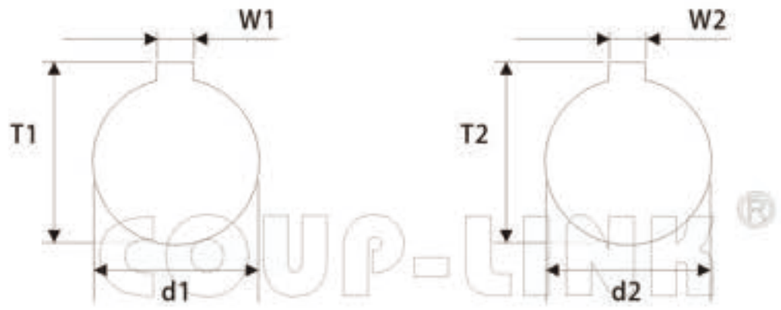
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK16 系列

LK16 Series

选项：夹紧螺丝加键槽固定，键槽尺寸

Clamp Keyway Type



键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

单位 (unit)：mm

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK16-C32K-10-14-Y

LK16：系列号，材料为铝合金
C32：外径尺寸：32mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽
Y：弹性体为黄色，SHA 90硬度

Example: LK16-C32K-10-14-Y

LK16: Series NO, Material: Aluminum alloy
C32:Outside Dia:32mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
Y:yellow,SHA 90

例：LK16-C32-10K-14-Y

LK16：系列号，材料为铝合金
C32：外径尺寸：32mm,定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽
Y：弹性体为黄色，SHA 90硬度

Example: LK16-C32-10K-14-Y

LK16: Series NO, Material: Aluminum alloy
C32:Outside Dia:32mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway
Y:yellow,SHA 90

LK17 系列
LK17 Series

使用注意事项：
CAUTIONS:

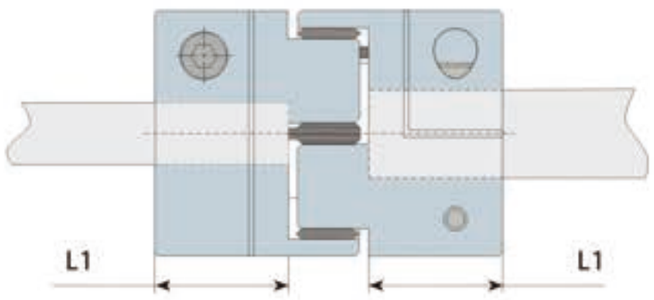
1.此系列有3种不同硬度的弹性体，不同硬度弹性体允许扭矩及吸收偏差不同，选用时请注意。
2.请务必遵守偏心，偏角，轴向的允许公差。
3.螺栓类请务必以指定的扭矩拧紧。
4.使用环境范围见下面弹性体参数表。弹性体虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧夹紧螺栓或者加压螺栓。

1. There are three kinds of elastomers with different hardness in this series. The allowable torque and absorption deviation of elastomers with different hardness are different. Please pay attention to the selection.
2. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
3. Bolts must be tightened with specified torque.
4. The scope of use is shown in the following table of elastomer parameters. Elastomers have water and oil resistance, but the environment of extreme adhesion can also lead to deterioration of products, please avoid such situations.
5. Do not tighten clamping bolts or pressure bolts before inserting them into the installation shaft.

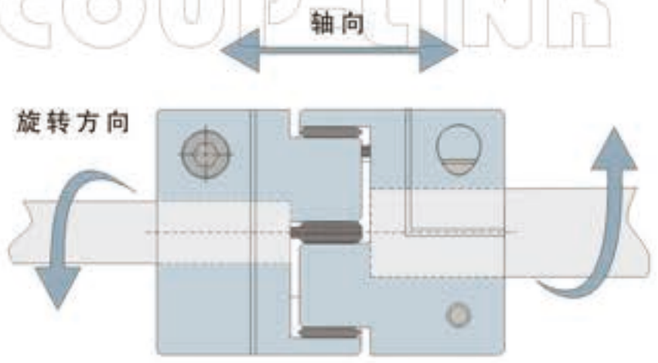
安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附，安装前，请把轴，孔清理干净。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner surface of the shaft and coupling. Especially, all kinds of grease that have significant influence on the friction coefficient of the coupling must not be adhered. Clean the shaft and hole before installation.

2.请将联轴器插入电动机轴。插入长度必须接近联轴器的边节长度，使夹紧端面跟轴有足够大接触面，保证足够摩擦力。
Please insert the coupling into the motor shaft. The insertion length must be close to the side sectionlength of the coupling, so that the clamping end has a large enough contact surface with the shaft to ensure sufficient friction.



3.在夹紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the clamping bolts are loose, make sure that the coupling can move slightly along the axis and rotation direction. If it can not move smoothly, please readjust the centering of the two axes. This method is recommended as a simple method to confirm the left and right concentricity. If the same method cannot be used, please use other measuring methods to confirm the installation accuracy.



4.确认联轴器能沿轴向和旋转方向顺畅移动后，请将两根夹紧螺栓拧紧。拧紧螺栓时，请使用经过校准的扭力板手，按参数表上所列的夹紧螺栓紧固扭矩上紧螺栓。
After confirming that the coupling can move smoothly along the axis and rotation direction, tighten the two clamping bolts. When tightening the bolt, please use the calibrated torsion plate hand to tighten the bolt according to the clamping bolt tightening torque listed in the parameter table.

5.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti-loosening measure of clamping bolt, it is suggested that after running for a period of time, the correct tightening torque should be used again for tightening.

弹性体性能表 Elastomer Performance Table

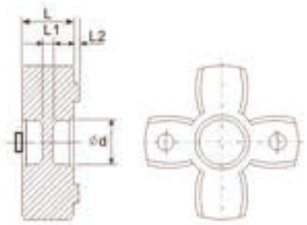
弹性体硬度 Elastomer Hardness	颜色 Colour	材质 Material	允许使用温度范围[持续温度] Permissible temperature range Continuous temperature(℃)	允许使用温度范围[瞬间温度] Permissible temperature range instantaneous temperature(℃)	使用外径范围 Outer Diameter Range	典型应用 Application
90 Sh-A	黄色(Y)图	聚氨酯 (TPU)	-40℃ to +90℃	-50℃ to +120℃	14mm-105mm	伺服电机，步进电机，电子测量和控制系统的传动。 Drive of servo motor, stepping motor, electronic measurement and control system
98 Sh-A	红色(R)图	聚氨酯 (TPU)	-30℃ to +90℃	-40℃ to +120℃	14mm-135mm	伺服电机，步进电机，定位，主轴，高载荷的传动。 Servo motor, stepping motor, positioning, spindle, high load transmission
64 Sh-D	绿色(G)图	聚氨酯 (TPU)	-20℃ to +110℃	-30℃ to +120℃	55mm-105mm	伺服电机，步进电机，定位，主轴，高载荷，高扭转刚性的传动。 Servo motor, stepping motor, positioning, spindle, high load, high torsional rigid transmission

黄色(Y)图

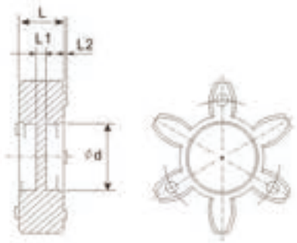
红色(R)图

绿色(G)图

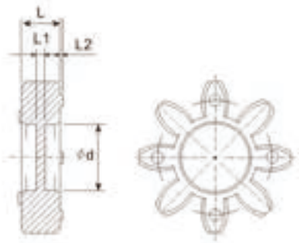
梅花联轴器中间弹性体尺寸 Curved Jaw Dimensions



14-4~30-4



40-6



55-8~135-8

外型尺寸 Dimensions

单位(unit):mm

弹性体型号 Model	L	L1	L2	ϕd
40-6	12.2	3.4	1.5	18.2
55-8	14.0	4.0	1.5	26.6
65-8	15.0	4.6	2.0	30.0
80-8	18.6	5.6	2.0	38.0
95-8	20.7	5.7	2.0	46.8
105-8	21.4	6.4	2.5	51.0

说明：
如需弹性体通孔,请定货时注明。

Note:
If elastomer through holes are required, please specify when ordering.

LK17 系列
LK17 Series

I.定位螺丝固定型梅花联轴器
I.Setscrew Type (Curved Jaw)

特点 Features

- 中间弹性体联接
- 可吸收振动、补偿径向、角向和轴向偏差
- 抗油与电气绝缘
- 顺时针与逆时针回转特性完全相同
- 有三种不同硬度弹性体
- 定位螺丝固定

- Coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Resistance to oil and electrical insulation
- Identical clockwise and anticlockwise rotational characteristics
- Three different hardness sleeves are avaible
- Setscrew type

选型举例： Ordering Information

LK17 — □ - □□□ - □□□ - □

- 弹性体: Curved Jaw — Y:黄色, SH A 90硬度; R:红色, SH A 98硬度; G:绿色, SH D64硬度
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8; H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8; H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

胶体选配说明:标准情况下,胶体选配为:
LK17-42~LK17-108; LK17-C56~LK17-C108: 胶体配红色。

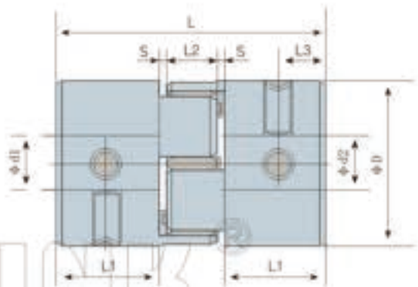
Note: Standard:
LK17-56~LK17-108; LK17-C56~LK17-C108:Red Insert.

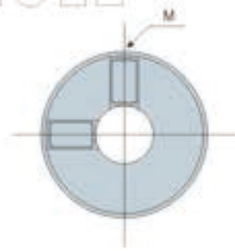
例：LK17-42-14-19-R

LK17：系列号，材料为铝合金
42：外径尺寸：42mm,定位螺丝固定
14：d1孔径为：14mm,孔公差H8
19：d2孔径为：19mm,孔公差H8
R:弹性体为红色,SHA 98硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK17-42-14-19-R

LK17：Series NO，Material：Aluminum Alloy
42：Outside Dia：42mm，Setscrew Type
14：d1 Bore：14mm,H8
19：d2 Bore：19mm,H8
R: red, SHA 98
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)





外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min.Bore	d1 · d2 最大孔径 Max.Bore	ΦD	L	L1	L2	S	L3	M	拧紧力矩 Tightening Torque (N.m)
LK17-42-□□□-□□□-□	11	24	42	66	25	12	2	8.5	M6	6.3
LK17-56-□□□-□□□-□	15	32	56	78	30	14	2	10	M6	6.3
LK17-66-□□□-□□□-□	20	35	66	90	35	15	2.5	10.5	M8	15
LK17-82-□□□-□□□-□	30	45	82	114	45	18	3	15.5	M8	15
LK17-98-□□□-□□□-□	38	60	98	126	50	20	3	17	M10	29.5
LK17-108-□□□-□□□-□	38	60	108	140	54.5	24	3.5	23	M10	29.5

说明:
1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。
2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																				
	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60
LK17-42-□□□-□□□-□	•	•	•	•	•	•	•	•	•	•												
LK17-56-□□□-□□□-□				•	•	•	•	•	•	•	•	•	•	•								
LK17-66-□□□-□□□-□								•	•	•	•	•	•	•	•							
LK17-82-□□□-□□□-□													•	•	•	•	•	•	•			
LK17-98-□□□-□□□-□																•	•	•	•	•	•	•
LK17-108-□□□-□□□-□																•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK17-42-□□□-□□□-Y	12	13000	4.4×10^{-4}	570	0.1	1	$^{+1.2}_{0}$	218
LK17-56-□□□-□□□-Y	35	10500	1.7×10^{-3}	1600	0.14	1	$^{+1.4}_{0}$	338
LK17-66-□□□-□□□-Y	95	8300	3.8×10^{-3}	3000	0.15	1	$^{+1.5}_{0}$	660
LK17-82-□□□-□□□-Y	190	7000	1.2×10^{-2}	5300	0.17	1	$^{+1.8}_{0}$	1139
LK17-98-□□□-□□□-Y	265	6000	2.5×10^{-2}	6200	0.19	1	$^{+2.0}_{0}$	1952
LK17-108-□□□-□□□-Y	310	5500	4.2×10^{-2}	10870	0.23	1	$^{+2.1}_{0}$	3150
LK17-42-□□□-□□□-R	21	13000	4.4×10^{-4}	1200	0.06	0.9	$^{+1.2}_{0}$	218
LK17-56-□□□-□□□-R	60	10500	1.7×10^{-3}	2600	0.1	0.9	$^{+1.4}_{0}$	338
LK17-66-□□□-□□□-R	160	8300	3.8×10^{-3}	4900	0.1	0.9	$^{+1.5}_{0}$	660
LK17-82-□□□-□□□-R	325	7000	1.2×10^{-2}	6500	0.1	0.9	$^{+1.8}_{0}$	1139
LK17-98-□□□-□□□-R	450	6000	2.5×10^{-2}	8900	0.1	0.9	$^{+2.0}_{0}$	1592
LK17-108-□□□-□□□-R	525	5500	4.2×10^{-2}	25759	0.1	0.9	$^{+2.1}_{0}$	3150
LK17-56-□□□-□□□-G	75	10500	1.7×10^{-3}	5030	0.07	0.8	$^{+1.4}_{0}$	338
LK17-66-□□□-□□□-G	200	8300	3.8×10^{-3}	10260	0.08	0.8	$^{+1.5}_{0}$	660
LK17-82-□□□-□□□-G	405	7000	1.2×10^{-2}	16300	0.09	0.8	$^{+1.8}_{0}$	1139
LK17-98-□□□-□□□-G	560	6000	2.5×10^{-2}	26860	0.1	0.8	$^{+2.0}_{0}$	1592
LK17-108-□□□-□□□-G	655	5500	4.2×10^{-2}	47630	0.11	0.8	$^{+2.1}_{0}$	3150

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

3.各弹性数值为20°C时数值。

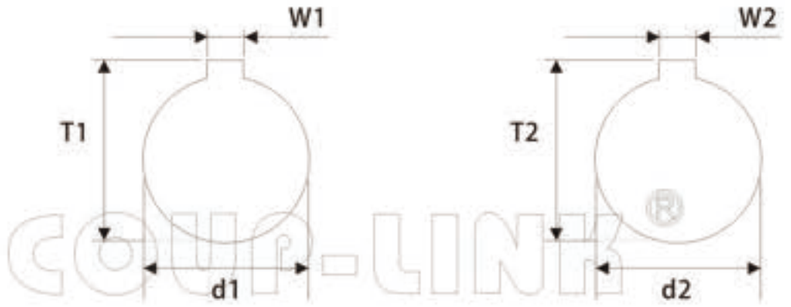
Note:

1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK17 系列 LK17 Series

选项:定位螺丝加键槽固定,键槽尺寸

Setscrew Keyway Type



键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

单位(unit):mm

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK17-42K-14-19-R

LK17：系列号，材料为铝合金
42：外径尺寸：42mm，定位螺丝固定
14：d1孔径为：14mm，孔公差H8
19：d2孔径为：19mm，孔公差H8
K：表示14,19两孔都加标准键槽
R：弹性体为红色，SHA 98硬度

Example: LK17-42K-14-19-R

LK17: Series NO, Material: Aluminum Alloy
42: Outside Dia: 42mm, Setscrew Type
14: d1 Bore: 14mm, H8
19: d2 Bore: 19mm, H8
K: 14,19 bore standard keyway
R: red, SHA 98

例：LK17-42-14K-19-R

LK17：系列号，材料为铝合金
42：外径尺寸：42mm，定位螺丝固定
14：d1孔径为：14mm，孔公差H8
19：d2孔径为：19mm，孔公差H8
K：表示14端孔加标准键槽
R：弹性体为红色，SHA 98硬度

Example: LK17-42-14K-19-R

LK17: Series NO, Material: Aluminum Alloy
42: Outside Dia: 42mm, Setscrew Type
14: d1 Bore: 14mm, H8
19: d2 Bore: 19mm, H8
K: 14 bore standard keyway
R: red, SHA 98

LK17 系列 LK17 Series

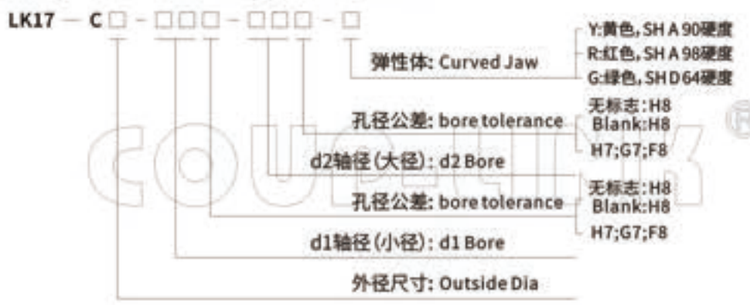
II. 夹紧螺丝固定型梅花联轴器
II. Clamp Type(Curved Jaw)

特点 Features

- 中间弹性体联接
- 可吸收振动、补偿径向、角向和轴向偏差
- 抗油与电气绝缘
- 顺时针与逆时针回转特性完全相同
- 有三种不同硬度弹性体
- 夹紧螺丝固定

- Coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Resistance to oil and electrical insulation
- Identical clockwise and anticlockwise rotational characteristics
- Three different hardness sleeves are avaible
- Clamp type

选型举例：Ordering Information



胶体选配说明：标准情况下，胶体选配为：
LK17-C42~LK17-C108; LK17-C56~LK17-C108: 胶体配红色。

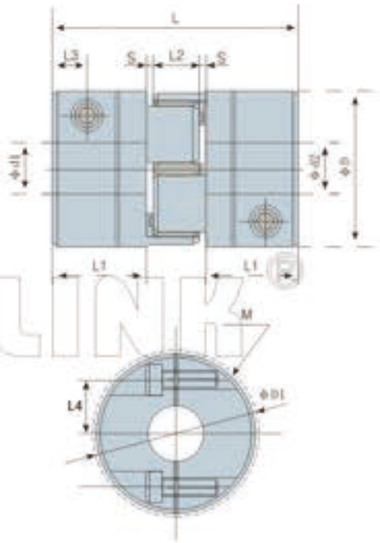
Note: Standard:
LK17-C42~LK17-C108; LK17-C56~LK17-C108: Red Insert.

例:LK17-C42-14-18-R

LK17：系列号，材料为铝合金
C42：外径尺寸：42mm，夹紧螺丝固定
14：d1孔径为：14mm,孔公差H8
18：d2孔径为：18mm,孔公差H8
R: 弹性体为红色,SHA 98硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK17-C42-14-18-R

LK17：Series NO，Material：Aluminum Alloy
C42：Outside Dia：42mm，Clamp Type
14：d1 Bore：14mm,H8
18：d2 Bore：18mm,H8
R: red, SHA 98
Please mark the bore diameter in the order of
d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	ΦD1	L	L1	L2	S	L3	L4	M	拧紧力矩 Tightening Torque (N.m)
LK17-C42-□□□-□□□-□	11	24	42	46	66	25	12	2.0	8.5	16	M5	7.0-8.5
LK17-C56-□□□-□□□-□	15	32	56	56	78	30	14	2.0	10	20	M6	14-15
LK17-C66-□□□-□□□-□	20	35	66	70.5	90	35	15	2.5	10.5	25	M8	27-30
LK17-C82-□□□-□□□-□	30	45	82	85	114	45	18	3.0	15.5	32	M8	27-30
LK17-C98-□□□-□□□-□	38	60	98	104	126	50	20	3.0	17	39.5	M10	55-60
LK17-C108-□□□-□□□-□	38	60	108	108	140	54.5	24	3.5	23	42	M12	55-60

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。
3.ΦD1为最大孔径时，产品的最大旋转外径，如需最大旋转外径跟产品外径一致，请根据具体孔径咨询本公司。

Note:
1. For other bores not listed above, if you need to order, you can provide additional services. please contact our company.
2.The tolerance of the opposite installation shaft is h7 and h8. If the shaft tolerance is other tolerance, please provide the tolerance requirements to be customized by the manufacturer.
3.ΦD1 is the maximum hole diameter.The maximum rotation outer diamter of the product.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																						
	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60
LK17-C42-□□□-□□□-□	•	•	•	•	•	•	•	•	•	•												
LK17-C56-□□□-□□□-□				•	•	•	•	•	•	•	•	•	•	•								
LK17-C66-□□□-□□□-□								•	•	•	•	•	•	•	•							
LK17-C82-□□□-□□□-□													•	•	•	•	•	•	•			
LK17-C98-□□□-□□□-□																•	•	•	•	•	•	•
LK17-C108-□□□-□□□-□																•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK17-C42-□□□-□□□-Y	12	10000	1.2×10^{-3}	570	0.1	1	$^{+1.2}_{0}$	183
LK17-C56-□□□-□□□-Y	35	8000	4.5×10^{-3}	1600	0.14	1	$^{+1.4}_{0}$	331
LK17-C66-□□□-□□□-Y	95	6000	9.1×10^{-3}	3000	0.15	1	$^{+1.5}_{0}$	685
LK17-C82-□□□-□□□-Y	190	4600	1.8×10^{-2}	5300	0.17	1	$^{+1.8}_{0}$	1032
LK17-C98-□□□-□□□-Y	265	3800	2.1×10^{-2}	6200	0.19	1	$^{+2.0}_{0}$	1860
LK17-C108-□□□-□□□-Y	310	3400	3.3×10^{-2}	10870	0.23	1	$^{+2.1}_{0}$	2213
LK17-C42-□□□-□□□-R	21	10000	1.2×10^{-3}	1200	0.06	0.9	$^{+1.2}_{0}$	183
LK17-C56-□□□-□□□-R	60	8000	4.5×10^{-3}	2600	0.1	0.9	$^{+1.4}_{0}$	331
LK17-C66-□□□-□□□-R	160	6000	9.1×10^{-3}	4900	0.1	0.9	$^{+1.5}_{0}$	685
LK17-C82-□□□-□□□-R	325	4600	1.8×10^{-2}	6500	0.1	0.9	$^{+1.8}_{0}$	1032
LK17-C98-□□□-□□□-R	450	3800	2.1×10^{-2}	8900	0.1	0.9	$^{+2.0}_{0}$	1860
LK17-C108-□□□-□□□-R	525	3400	3.3×10^{-2}	25759	0.1	0.9	$^{+2.1}_{0}$	2213
LK17-C56-□□□-□□□-G	75	8000	4.5×10^{-3}	5030	0.07	0.8	$^{+1.4}_{0}$	331
LK17-C66-□□□-□□□-G	200	6000	9.1×10^{-3}	10260	0.08	0.8	$^{+1.5}_{0}$	680
LK17-C82-□□□-□□□-G	405	4600	1.8×10^{-2}	16300	0.09	0.8	$^{+1.8}_{0}$	1032
LK17-C98-□□□-□□□-G	560	3800	2.1×10^{-2}	26860	0.1	0.8	$^{+2.0}_{0}$	1860
LK17-C108-□□□-□□□-G	655	3400	3.3×10^{-2}	47630	0.11	0.8	$^{+2.1}_{0}$	2213

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。
3.各弹性数值为20°C时数值。

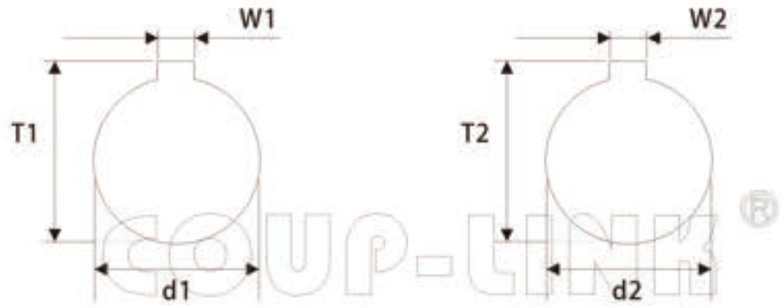
Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK17 系列

LK17 Series

选项：夹紧螺丝加键槽固定，键槽尺寸

Clamp Keyway Type



键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

单位(unit)：mm

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK17 — C□□ - □□□ - □□□ - □

- 孔径公差：bore tolerance → 无标志：H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径)：d2 Bore
- 孔径公差：bore tolerance → 无标志：H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径)：d1 Bore
- K键槽标志：Keyway
- 外径尺寸：Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK17-C42K-14-19-R

LK17：系列号，材料为铝合金
C42：外径尺寸：42mm，夹紧螺丝固定
14：d1孔径为：14mm,孔公差H8
19：d2孔径为：19mm,孔公差H8
K：表示14,19两孔都加标准键槽
R：弹性体为红色,SHA 98硬度

Example: LK17-C42K-14-19-R

LK17: Series NO, Material: Aluminum Alloy
C42: Outside Dia: 42mm, Clamp Type
14: d1 Bore: 14mm,H8
19: d2 Bore: 19mm,H8
K: 14,19 bore standard keyway
R: red, SHA 98

例：LK17-C42-14K-19-R

LK17：系列号，材料为铝合金
C42：外径尺寸：42mm，夹紧螺丝固定
14：d1孔径为：14mm,孔公差H8
19：d2孔径为：19mm,孔公差H8
K：表示14端孔加标准键槽
R：弹性体为红色,SHA 98硬度

Example: LK17-C42-14K-19-R

LK17: Series NO, Material: Aluminum Alloy
C42: Outside Dia: 42mm, Clamp Type
14: d1 Bore: 14mm,H8
19: d2 Bore: 19mm,H8
K: 14 bore standard keyway
R: red, SHA 98

LK18 系列
LK18 Series

使用注意事项:
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时，可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30℃-120℃。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.弹性元件由薄薄的不锈钢膜片组成，使用时注意避免划伤。
6.插入安装轴前，请勿拧紧夹紧螺栓。

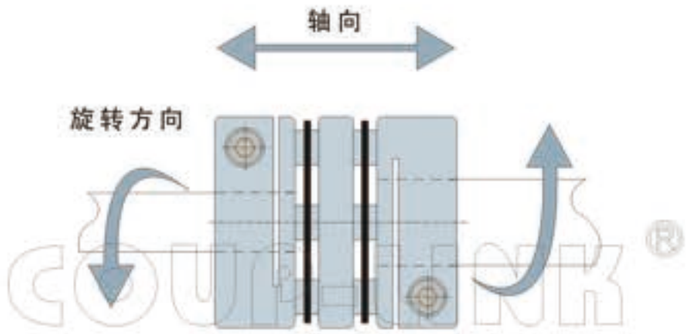
1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.
4. The use range is - 30℃ - 120℃. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Plate springs consist of thin stainless steel diaphragms, when using, care should be taken to avoid scratches.
6. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式:
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner diameter surface of the shaft and coupling. In particular, all kinds of greases which have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

3.在2根夹紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作确认左右同心度的简易方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the two clamping bolts are loose, make sure that the coupling can m ove slightly along the axis and rotation direction. If it can not move smoothly, please readjust the centering of the two axes. This method is recommended as a simple method to confirm the left and right concentricity. If the same method cannot be used, please use other measuring methods to confirm the installation accuracy.

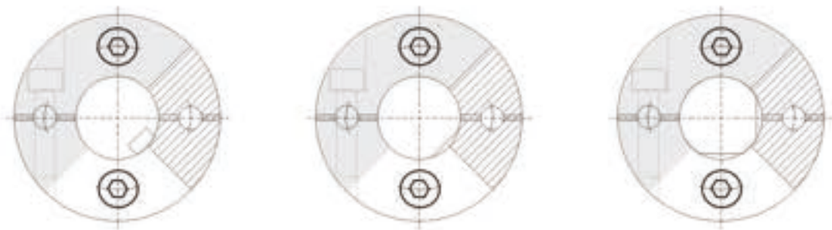


4.安装轴原则上为圆轴，当使用非圆轴时，请注意下图所示的安装位置。(请注意勿使键槽，D型切槽进入灰色部份一侧)轴安装位置不当可能会造成联轴发生破损，轴夹持力下降。为获得令人满意的联轴器性能，我们建议使用圆轴。
Installation shaft is circular in principle. When using non-circular shaft, please pay attention to the installation position shown in the following figure. (Please pay attention not to make the keyway, D-groove into the grey part of the side), the improper installation of the shaft may cause damage to the coupling, reduce the shaft clamping force. In order to obtain satisfactory coupling performance, we recommend the use of circular shafts.

推荐安装方式:
RECOMMENDED INSTALLATION METHOD:

好的安装示例

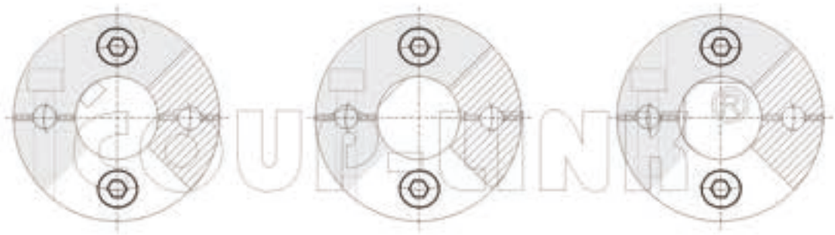
请注意勿使用键槽、D型切口进入■填色部分一侧。



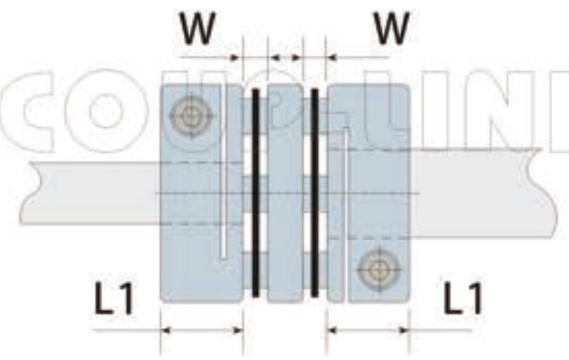
不推荐安装方式：
INSTALLATION IS NOT RECOMMENDED:

不好的安装示例

请注意勿使用键槽、D型切口进入▨填色部分一侧。



5.两边轴插入联轴器的长度如下图所示，使安装轴贯穿边节法兰全长（L1尺寸），且不得与弹性元件及另一边的轴干涉。请将夹紧法兰面到面尺寸（W尺寸）控制在相对于标准值的轴向位移允许误差范围内。
该值为假设偏心，偏角均为零时的允许值，请尽量调小。
The length of the insertion couplings on both sides of the shaft is shown in the figure below, so that the installation shaft runs through the full length of the flange at the side section (L1 size) and does not interfere with the elastic element and the other side of the shaft. Please control the clamping flange face-to-face dimension (W dimension) within the allowable error range of axial displacement relative to the standard value. This value is the allowable value for assuming eccentricity and zero offset angle. Please adjust it as small as possible.



6.确认轴向无压缩，拉伸等作用力后，请将两根夹紧螺栓拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按技术参数表的拧紧扭矩拧紧。
Please tighten the two clamping bolts after confirming that there is no compression, tension and other forces in the axial direction. When tightening the bolt, please use the calibrated torsion plate hand and tighten the torque according to the technical parameter table.

7.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti-loosening measure of clamping bolt, it is su ggested that after running for a period of time, the correct tightening torqueshould be used again for tightening.

LK18 系列
LK18 Series

Ⅰ. 单节夹紧螺丝固定式（膜片联轴器）
Ⅰ. Clamp Type(Single Plate Springs)

特点 Features

- 高扭矩刚性和高灵敏度
- 零回转间隙
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接
- 夹紧螺丝固定

- High torque capacity and excellent response
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end- play
- For servomotor, stepmotor connect
- Clamp type

一体化膜片组
LK18-C56~LK18-C104

选型举例：Ordering Information

LK18 — C□ - □□□ - □□□

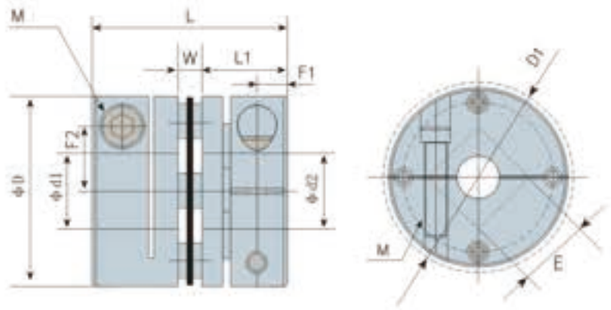
- 孔径公差：bore tolerance — 无标志：H8 / Blank:H8 / H7;G7;F8
- d2轴径（大径）：d2 Bore
- d1轴径（小径）：d1 Bore
- 外径尺寸：Outside Dia

例：LK18-C34-10-14

LK18：系列号，材料为铝合金
C34：外径尺寸：34mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK18-C34-10-14

LK18: Series NO, Material: Aluminum alloy
C34: Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1·d2 最小孔径 Min-Bore	d1·d2 最大孔径 Max-Bore	D	D1	L	W	L1	F1	F2	E	M	拧紧力矩 Tightening Torque (N.m)
LK18-C26-□□□-□□□	4	10	26	27	25.5	2.8	11.35	4	9	10.6	M3	1.5-1.9
LK18-C34-□□□-□□□	6.35	14	34	34	32.6	3.6	14.5	4.75	12	14.5	M4	3.4-4.1
LK18-C39-□□□-□□□	8	16	39	39	34.5	4.5	15.0	5	13	17.1	M4	3.4-4.1
LK18-C44-□□□-□□□	9	19	44	44	34.8	4.8	15.0	5	16	20.5	M4	3.4-4.1
LK18-C56-□□□-□□□	11	24	56	56	45.5	5.5	20.0	6.9	22	26	M5	7.0-8.5
LK18-C68-□□□-□□□	14	35	68	68	54.0	6.0	24.0	7.05	26.5	31	M6	14-15
LK18-C82-□□□-□□□	18	35	82	82	68.0	8.0	30.0	9.4	30.5	38	M8	27-30
LK18-C94-□□□-□□□	25	40	94	94	68.5	8.5	30.0	9.4	36	41	M10	55-60
LK18-C104-□□□-□□□	35	45	104	104	70.0	10.0	30.0	9.9	41	45	M10	55-60

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																											
	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45
LK18-C26-□□□-□□□	•	•	•	•	•	•	•	•	•																			
LK18-C34-□□□-□□□				•	•	•	•	•	•	•	•	•																
LK18-C39-□□□-□□□						•	•	•	•	•	•	•	•	•														
LK18-C44-□□□-□□□							•	•	•	•	•	•	•	•	•	•												
LK18-C56-□□□-□□□										•	•	•	•	•	•	•	•	•	•									
LK18-C68-□□□-□□□												•	•	•	•	•	•	•	•	•	•	•	•	•				
LK18-C82-□□□-□□□															•	•	•	•	•	•	•	•	•	•				
LK18-C94-□□□-□□□																				•	•	•	•	•	•	•		
LK18-C104-□□□-□□□																								•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK18-C26-□□□-□□□	2.0	10000	2.61×10^{-6}	3700	0.02	1	±0.15	27
LK18-C34-□□□-□□□	5.0	10000	9.62×10^{-6}	8100	0.02	1	±0.2	58
LK18-C39-□□□-□□□	10	10000	1.68×10^{-5}	18000	0.02	1	±0.25	82
LK18-C44-□□□-□□□	12	10000	2.48×10^{-5}	20000	0.02	1	±0.3	102
LK18-C56-□□□-□□□	25	10000	8.86×10^{-5}	50000	0.02	1	±0.4	219
LK18-C68-□□□-□□□	60	10000	2.12×10^{-4}	70000	0.02	1	±0.45	356
LK18-C82-□□□-□□□	100	10000	5.65×10^{-4}	90000	0.02	1	±0.55	651
LK18-C94-□□□-□□□	180	10000	1.0×10^{-3}	100000	0.02	1	±0.65	982
LK18-C104-□□□-□□□	250	10000	1.45×10^{-3}	120000	0.02	1	±0.75	1209

说明:

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为元件部份的实测值。

3.最高转速未考虑动平衡。

Note:

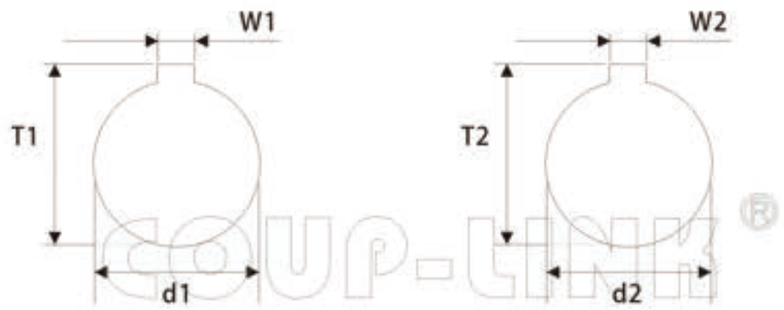
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK18 系列

LK18 Series

选项：单节夹紧加键槽，键槽尺寸

Clamp Keyway Type(Single Plate Springs)



键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

单位(unit)：mm

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK18 — C □□ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK18-C34K-10-14

LK18：系列号，材料为铝合金
C34：外径尺寸：34mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽

Example: LK18-C34K-10-14

LK18: Series NO, Material: Aluminum alloy
C34: Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例：LK18-C34-10K-14

LK18：系列号，材料为铝合金
C34：外径尺寸：34mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽

Example: LK18-C34-10K-14

LK18: Series NO, Material: Aluminum alloy
C34: Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10 bore stan dard keyway

LK18 系列
LK18 Series

II.多节夹紧螺丝固定式(膜片联轴器)
II.Clamp Type(Double Plate Springs)

特点 Features

- 高扭矩刚性和高灵敏度
- 零回转间隙
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接
- 夹紧螺丝固定

- High torque capacity and excellent response
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end- play
- For servomotor, stepmotor connect
- Clamp type

主体：铝合金材料
Body：Aluminum Alloy

一体化膜片组
LK18-C56WP~LK18-C104WP

选型举例：Ordering Information

LK18 — C□ - □□□ - □□□ WP

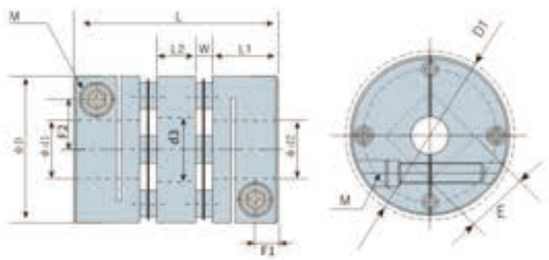
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

例:LK18-C56-20-24WP

LK18：系列号，材料为铝合金
C56：外径尺寸：56mm,夹紧螺丝固定
20：d1孔径为：20mm,孔公差为H8
24：d2孔径为：24mm,孔公差为H8
Wp：双膜片
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK18-C56-20-24WP

LK18: Series NO, Material: Aluminum alloy
C56: Outside Dia:56mm,Clamp Type
20: d1 Bore: 20mm,H8
24: d2 Bore: 24mm,H8
WP: double plate springs
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	D	L	D1	W	L1	L2	F1	F2	d3	E	M	拧紧力矩 Tightening Torque (N.m)
LK18-C26-□□□-□□□WP	4	10	26	35	27	2.8	11.35	6.7	4	9	12.5	10.6	M3	1.5-1.9
LK18-C34-□□□-□□□WP	6.35	14	34	45	34	3.6	14.5	8.8	4.75	12	16	14.5	M4	3.4-4.1
LK18-C39-□□□-□□□WP	8	16	39	49	39	4.5	15.0	10.0	5	13	17	17.1	M4	3.4-4.1
LK18-C44-□□□-□□□WP	9	19	44	50	44	4.8	15.0	10.4	5	16	20	20.5	M4	3.4-4.1
LK18-C56-□□□-□□□WP	11	24	56	63	56	5.5	20.0	12.0	6.9	22	28	26	M5	7.0-8.5
LK18-C68-□□□-□□□WP	14	35	68	74	68	6.0	24.0	14.0	7.05	26.5	36	31	M6	14-15
LK18-C82-□□□-□□□WP	18	35	82	98	82	8.0	30.0	22.0	9.4	30.5	41	38	M8	27-30
LK18-C94-□□□-□□□WP	25	40	94	98	94	8.5	30.0	21.0	9.4	36	41	41	M10	55-60
LK18-C104-□□□-□□□WP	35	45	104	102	104	10.0	30.0	22.0	9.9	41	46	45	M10	55-60

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																												
	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45
LK18-C26-□□□-□□□WP	•	•	•	•	•	•	•	•	•																			
LK18-C34-□□□-□□□WP				•	•	•	•	•	•	•	•	•																
LK18-C39-□□□-□□□WP						•	•	•	•	•	•	•	•	•														
LK18-C44-□□□-□□□WP							•	•	•	•	•	•	•	•	•	•												
LK18-C56-□□□-□□□WP										•	•	•	•	•	•	•	•	•	•									
LK18-C68-□□□-□□□WP												•	•	•	•	•	•	•	•	•	•	•	•	•				
LK18-C82-□□□-□□□WP															•	•	•	•	•	•	•	•	•	•				
LK18-C94-□□□-□□□WP																				•	•	•	•	•	•	•		
LK18-C104-□□□-□□□WP																								•	•	•	•	•

技术参数 Specifications

单位(unit):mm

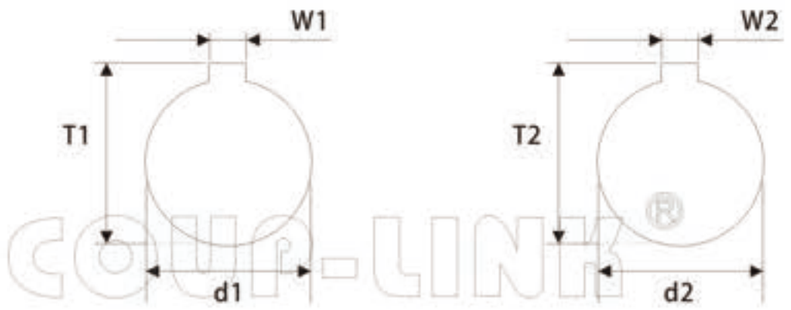
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK18-C26-□□□-□□□WP	2.0	10000	3.61×10^{-4}	1850	0.15	2	±0.33	37
LK18-C34-□□□-□□□WP	5.0	10000	1.33×10^{-3}	4050	0.18	2	±0.4	80
LK18-C39-□□□-□□□WP	10	10000	2.58×10^{-3}	9000	0.24	2	±0.5	118
LK18-C44-□□□-□□□WP	12	10000	4.23×10^{-3}	10000	0.24	2	±0.6	150
LK18-C56-□□□-□□□WP	25	10000	1.41×10^{-2}	25000	0.28	2	±0.8	307
LK18-C68-□□□-□□□WP	60	10000	3.57×10^{-2}	35000	0.34	2	±0.9	499
LK18-C82-□□□-□□□WP	100	10000	1.02×10^{-1}	45000	0.52	2	±1.1	1004
LK18-C94-□□□-□□□WP	180	10000	1.79×10^{-1}	50000	0.52	2	±1.3	1400
LK18-C104-□□□-□□□WP	250	10000	2.76×10^{-1}	60000	0.55	2	±1.5	1765

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为单个元件的实测性。
3.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores
2. Number of Torsional Elasticity as a Single Element
3. The maximum speed does not consider dynamic balance.

LK18 系列
LK18 Series

选项:多节夹紧加键槽,键槽尺寸
Clamp Keyway Type(Single Plate Springs)

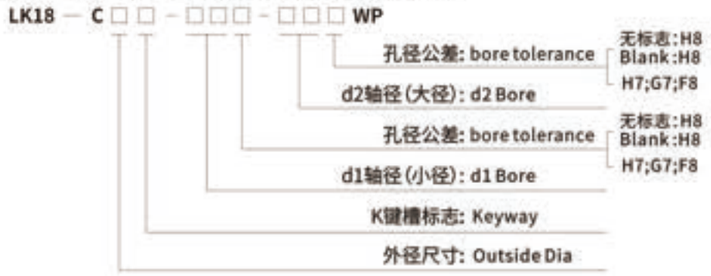


单位(unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information



键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK18-C34K-10-14WP

LK18：系列号，材料为铝合金
C34：外径尺寸：34mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽
wp：双膜片

Example: LK18-C34K-10-14WP
LK18: Series NO, Material: Aluminum alloy
C34: Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
WP: Double plate springs

例：LK18-C34-10K-14WP

LK18：系列号，材料为铝合金
C34：外径尺寸：34mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽
wp：双膜片

Example: LK18-C34-10K-14WP
LK18: Series NO, Material: Aluminum alloy
C34: Outside Dia:34mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10 bore standard keyway
WP: Double plate springs

LK19 系列
LK19 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的转矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时，可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.

安装方式：
INSTALLATION:

1.确认联轴器的压紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the compression bolt of the coupling is loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.对好键槽，请将联轴器插入电动机轴和从动轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
For proper keyway, please insert the coupling into the motor shaft and driven shaft. When inserting, do not apply too much compression and tensile force on the elastic element of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在加压螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the compression bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it cannot move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.调整好同轴度后，将键槽上面的加压螺栓拧紧。
After the coaxiality is adjusted, tighten the pressure bolt on the keyway.

LK19 系列

LK19 Series

橡胶弹性体联轴器

Keyway Type (Rubber sleeve)

特点 Features

- 结构简单，重量轻、惯量低
- 安装容易
- 橡胶弹性体
- 对心容易
- 适用于普通小功率马达
- 键槽联接

- Simple structure,light weight,low inertia
- Easy to install
- Rubber sleeve
- Easy to align
- Applicable to low power general motor
- Keyway connect

选型举例： Ordering Information

LK19 — □K - □□□ - □□□

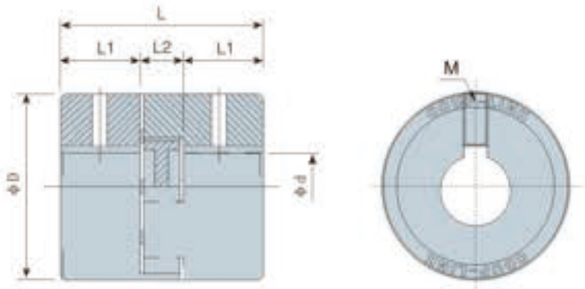
- 外径尺寸: Outside Dia
- d1轴径(小径): d1 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8

例：LK19-27K-10-14

LK19：系列号，材料为铝合金
27：外径尺寸：27mm，键槽联接固定
10：d1孔径为：14mm，孔公差H8
14：d2孔径为：14mm，孔公差H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK19-27K-10-14

LK19: Series NO, Material: Aluminum Alloy
27: Outside Dia: 27mm,keyway Type
10: d1 Bore:10 mm,H8
14: d2 Bore:14mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	最大孔径 Max-Bore	ΦD	L	L1	L2	M	拧紧力矩 Tightening Torque (N.m)
LK19-27K-□□□-□□□	16	27	44	15.5	13	M5	3.7
LK19-35K-□□□-□□□	20	35	50	18.5	13	M5	3.7
LK19-45K-□□□-□□□	26	45	55	21	13	M6	6.3
LK19-55K-□□□-□□□	28	55	55	21	13	M6	6.3
LK19-55LK-□□□-□□□	28	55	61	24	13	M6	6.3
LK19-66K-□□□-□□□	36	66	88	35	18	M8	15
LK19-85K-□□□-□□□	48	85	110	44	22	M8	15

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK19-27K-□□□-□□□	1.5	12000	4.2×10^{-4}	0.2	1.0	±0.5	36
LK19-35K-□□□-□□□	3.0	9000	1.6×10^{-3}	0.2	1.0	±0.5	80
LK19-45K-□□□-□□□	5.0	7000	4.9×10^{-3}	0.2	1.0	±0.5	147
LK19-55K-□□□-□□□	8.0	6000	1.2×10^{-2}	0.3	1.0	±0.5	242
LK19-55LK-□□□-□□□	10	6000	1.3×10^{-2}	0.3	1.0	±0.5	270
LK19-66K-□□□-□□□	25	5000	3.8×10^{-2}	0.3	1.0	±1.0	538
LK19-85K-□□□-□□□	50	4000	1.3×10^{-1}	0.3	1.0	±1.0	1111

说明：
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。
3.各弹性数值为20°C时数值。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK20 系列
LK20 Series

使用注意事项：
CAUTIONS:

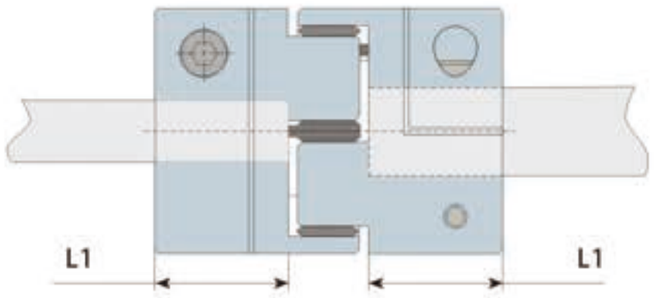
1.此系列有4种不同硬度的弹性体，不同硬度弹性体允许扭矩及吸收偏差不同，选用时请注意。
2.请务必遵守偏心，偏角，轴向的允许公差。
3.螺栓类请务必以指定的扭矩拧紧。
4.使用环境范围见下面弹性体参数表。弹性体虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧夹紧螺栓或者加压螺栓。

1. There are four kinds of elastomers with different hardness in this series. The allowable torque and absorption deviation of elastomers with different hardness are different. Please pay attention to the selection.
2. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
3. Bolts must be tightened with specified torque.
4. The scope of use is shown in the following table of elastomer parameters. Elastomers have water and oil resistance, but the environment of extreme adhesion can also lead to deterioration of products, please avoid such situations.
5. Do not tighten clamping bolts or pressure bolts before inserting them into the installation shaft.

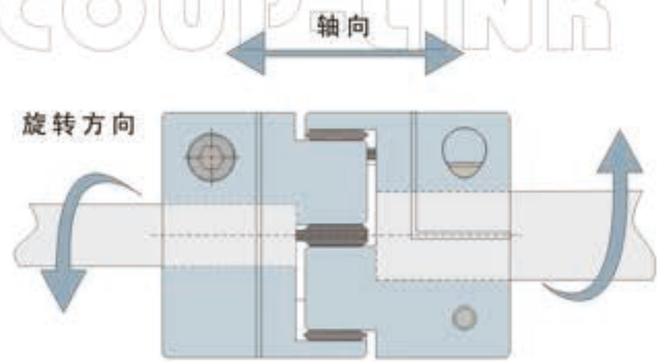
安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有 粘附，安装前，请把轴，孔清理干净。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner surface of the shaft and coupling. Especially, all kinds of grease that have significant influence on the friction coefficient of the coupling must not be adhered. Clean the shaft and hole before installation.

2.请将联轴器插入电动机轴。插入长度必须接近联轴器的边节长度，使夹紧端面跟轴有足够大接触面，保证足够摩擦力。
Please insert the coupling into the motor shaft. The insertion length must be close to the side section length of the coupling, so that the clamping end has a large enough contact surface with the shaft to ensure sufficient friction.



3.在夹紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the clamping bolts are loose, make sure that the coupling can move slightly along the axis and rotation direction. If it can not move smoothly, please readjust the centering of the two axes. This method is recommended as a simple method to confirm the left and right concentricity. If the same method cannot be used, please use other measuring methods to confirm the installation accuracy.



4.确认联轴器能沿轴向和旋转方向顺畅移动后，请将两根夹紧螺栓拧紧。拧紧螺栓时，请使用经过校准的扭力板手，按参数表上所列的夹紧螺栓紧固扭矩上紧螺栓。
After confirming that the coupling can move smoothly along the axis and rotation direction, tighten the two clamping bolts. When tightening the bolt, please use the calibrated torsion plate hand to tighten the bolt according to the clamping bolt tightening torque listed in the parameter table.

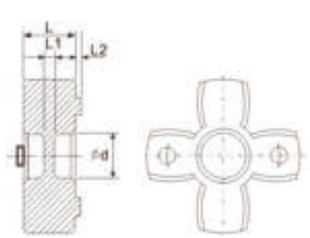
5.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti-loosening measure of clamping bolt, it is suggested that after running for a period of time, the correct tightening torque should be used again for tightening.

弹性体性能表 Elastomer Performance Table

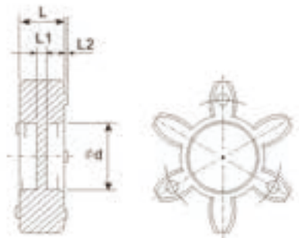
弹性体硬度 Elastomer Hardness	颜色 Colour	材质 Material	允许使用温度范围[持续温度] Permissible temperature range Continuous temperature(℃)	允许使用温度范围[瞬间温度] Permissible temperature range Instantaneous temperature(℃)	使用外径范围 Outer Diameter Range	典型应用 Application
80 Sh-A	蓝色(B)图	聚氨酯 (TPU)	-50℃ to +80℃	-60℃ to +120℃	14mm-40mm	编码器，电子测量系统的传动 Encoder, transmission of electronic measuring system
90 Sh-A	黄色(Y)图	聚氨酯 (TPU)	-40℃ to +90℃	-50℃ to +120℃	14mm-105mm	伺服电机，步进电机，电子测量和控制系统的传动。 Drive of servo motor, stepping motor, electronic measurement and control system
98 Sh-A	红色(R)图	聚氨酯 (TPU)	-30℃ to +90℃	-40℃ to +120℃	14mm-135mm	伺服电机，步进电机，定位，主轴，高载荷的传动。 Servo motor, stepping motor, positioning, spindle, high load transmission
64 Sh-D	绿色(G)图	聚氨酯 (TPU)	-20℃ to +110℃	-30℃ to +120℃	55mm-105mm	伺服电机，步进电机，定位，主轴，高载荷，高扭转刚性的传动。 Servo motor, stepping motor, positioning, spindle, high load, high torsional rigid transmission

蓝色(B)图　黄色(Y)图　红色(R)图　绿色(G)图

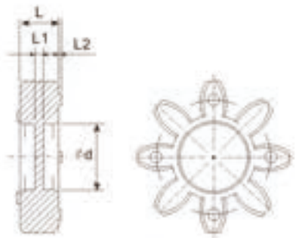
梅花联轴器中间弹性体尺寸 Curved Jaw Dimensions



14-4~30-4



40-6



55-8~135-8

外型尺寸 Dimensions

单位 (unit)：mm

弹性体型号 Model	L	L1	L2	ϕd
14-4	6.1	6.1	0.5	—
20-4	8.2	1.0	0.5	7.9
25-4	10.3	4.3	0.6	8.2
30-4	10.0	1.6	1.0	10.9
40-6	12.2	3.4	1.5	18.2
55-8	14.0	4.0	1.5	26.6
65-8	15.0	4.6	2.0	30.0
80-8	18.6	5.6	2.0	38.0
95-8	20.7	5.7	2.0	46.8
105-8	21.4	6.4	2.5	51.0
120-8	22.0	4.8	2.7	59.8
135-8	26.0	5.6	2.7	67.5

说明：
如需弹性体通孔，请定货时注明。

Note:
If elastomer through holes are required, please specify when ordering.

LK20 系列

LK20 Series

I.定位螺丝固定型梅花联轴器

I.Setscrew Type (Curved Jaw)

特点 Features

- 中间弹性体联接
- 可吸收振动、补偿径向、角向和轴向偏差
- 抗油与电气绝缘
- 顺时针与逆时针回转特性完全相同
- 有两种不同硬度弹性体
- 定位螺丝固定

主体：铝合金材料
Body：Aluminum Alloy

- Coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Resistance to oil and electrical insulation
- Identical clockwise and anticlockwise rotational characteristics
- Two different hardness sleeves are avaible
- Setscrew type

主体：铝合金材料
Body：Aluminum Alloy

选型举例：Ordering Information

LK20 — □ - □□□ - □□□ - □

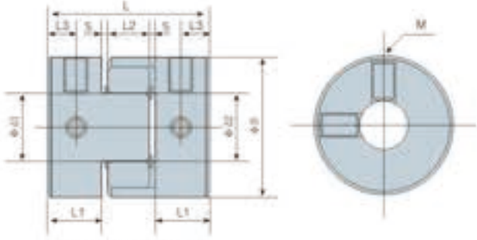
- 弹性体: Curved Jaw
  - B:蓝色，SH A 80硬度
  - Y:黄色，SH A 90硬度
  - R:红色，SH A 98硬度
  - G:绿色，SH D64硬度
- 孔径公差: bore tolerance
  - 无标志:H8
  - Blank:H8
  - H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance
  - 无标志:H8
  - Blank:H8
  - H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

胶体选配说明：标准情况下，胶体选配为：
LK20-14~LK20-40; LK20-C14~LK20-C40:胶体配黄色。
LK20-55~LK20-105; LK20-C55~LK20-C105: 胶体配红色。

Note: Standard:
LK20-14~LK20-40; LK20-C14~LK20-C40:Yellow Insert.
LK20-55~LK20-105; LK20-C55~LK20-C105:Red Insert.

例：LK20-30-10-12-Y

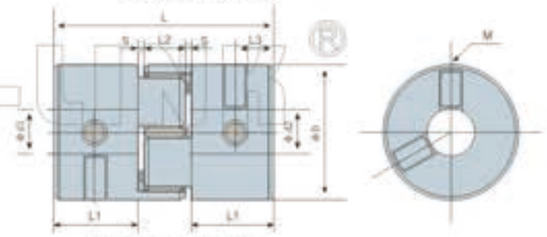
LK20：系列号，材料为铝合金
30：外径尺寸：30mm，定位螺丝固定
10：d1孔径为：10mm，孔公差为H8
12：d2孔径为：12mm，孔公差为H8
Y：弹性体为黄色，SHA 90硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示



LK20-14~LK20-30

Example: LK20-30-10-12-Y

LK20: Series NO, Material :Aluminum Alloy
30: Outside Dia: 30mm, Setscrew Type
10: d1 Bore: 10mm,H8
12: d2 Bore: 12mm,H8
Y: yellow, SHA 90
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



LK20-40~LK20-105

外型尺寸 Dimensions

单位 (unit)：mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	L	L1	L2	S	L3	M	拧紧力矩 Tightening Torque (N.m)
LK20-20-□□□-□□□-□	5	10	20	30	10	8	1	5	M4	1.9
LK20-25-□□□-□□□-□	6	12	25	34	11	10	1	5	M5	3.7
LK20-30-□□□-□□□-□	8	16	30	35	11	10	1.5	5	M5	3.7
LK20-40S-□□□-□□□-□	11	24	40	55	19.5	12	2	10	M6	6.3
LK20-40-□□□-□□□-□	11	24	40	66	25	12	2	10	M6	6.3
LK20-55-□□□-□□□-□	15	28	55	78	30	14	2	10	M6	6.3
LK20-65-□□□-□□□-□	20	38	65	90	35	15	2.5	15	M8	15
LK20-80-□□□-□□□-□	30	45	80	114	45	18	3	15	M8	15
LK20-95-□□□-□□□-□	38	55	95	126	50	20	3	20	M10	29.5
LK20-105-□□□-□□□-□	38	60	105	140	56	21	3.5	20	M12	48

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																														
	3	4	5	6	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60
LK20-20-□□□-□□□-□			•	•	•	•	•	•	•																						
LK20-25-□□□-□□□-□				•	•	•	•	•	•	•	•																				
LK20-30-□□□-□□□-□						•	•	•	•	•	•	•	•	•																	
LK20-40S-□□□-□□□-□										•	•	•	•	•	•	•	•	•	•												
LK20-40-□□□-□□□-□										•	•	•	•	•	•	•	•	•	•												
LK20-55-□□□-□□□-□													•	•	•	•	•	•	•	•	•										
LK20-65-□□□-□□□-□																	•	•	•	•	•	•	•	•	•						
LK20-80-□□□-□□□-□																						•	•	•	•	•	•	•			
LK20-95-□□□-□□□-□																									•	•	•	•	•	•	
LK20-105-□□□-□□□-□																									•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK20-20-□□□-□□□-B	1.8	23800	1.12×10^{-4}	17	0.19	1	$+0.8\ 0$	19
LK20-25-□□□-□□□-B	3	19100	3.05×10^{-4}	54	0.2	1	$+0.9\ 0$	32
LK20-30-□□□-□□□-B	4	15900	6.12×10^{-4}	62	0.2	1	$+1.0\ 0$	46
LK20-40S-□□□-□□□-B	6	11900	3.03×10^{-3}	380	0.2	1	$+1.2\ 0$	113
LK20-40-□□□-□□□-B	6	11900	3.74×10^{-3}	380	0.2	1	$+1.2\ 0$	137
LK20-14-□□□-□□□-Y	1.2	34100	2.0×10^{-5}	14	0.1	1	$+0.6\ 0$	7
LK20-20-□□□-□□□-Y	3	23800	1.12×10^{-4}	31	0.13	1	$+0.8\ 0$	19
LK20-25-□□□-□□□-Y	5	19100	3.05×10^{-4}	65	0.14	1	$+0.9\ 0$	32
LK20-30-□□□-□□□-Y	7.5	15900	6.12×10^{-4}	73	0.15	1	$+1.0\ 0$	46
LK20-40S-□□□-□□□-Y	12	11900	3.03×10^{-3}	570	0.1	1	$+1.2\ 0$	113
LK20-40-□□□-□□□-Y	12	11900	3.74×10^{-3}	570	0.1	1	$+1.2\ 0$	137
LK20-55-□□□-□□□-Y	35	8650	1.66×10^{-4}	1600	0.14	1	$+1.4\ 0$	334
LK20-65-□□□-□□□-Y	95	7350	3.59×10^{-4}	3000	0.15	1	$+1.5\ 0$	505
LK20-80-□□□-□□□-Y	190	5950	1.05×10^{-3}	5300	0.17	1	$+1.8\ 0$	1006
LK20-95-□□□-□□□-Y	265	5000	2.29×10^{-3}	6200	0.19	1	$+2.0\ 0$	1531
LK20-105-□□□-□□□-Y	310	4550	3.82×10^{-3}	10870	0.23	1	$+2.1\ 0$	2106

技术参数 specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of Angularity (mm)	重量 N.W. (g)
LK20-20-□□□-□□□-R	5	23800	1.12×10^{-4}	51	0.08	0.9	$+0.8\ 0$	19
LK20-25-□□□-□□□-R	9	19100	3.05×10^{-4}	85	0.08	0.9	$+0.9\ 0$	32
LK20-30-□□□-□□□-R	12.5	15900	6.12×10^{-4}	130	0.09	0.9	$+1.0\ 0$	46
LK20-40S-□□□-□□□-R	21	11900	3.03×10^{-3}	1200	0.06	0.9	$+1.2\ 0$	113
LK20-40-□□□-□□□-R	21	11900	3.74×10^{-3}	1200	0.06	0.9	$+1.2\ 0$	137
LK20-55-□□□-□□□-R	60	8650	1.66×10^{-4}	2600	0.1	0.9	$+1.4\ 0$	334
LK20-65-□□□-□□□-R	160	7350	3.59×10^{-4}	4900	0.1	0.9	$+1.5\ 0$	505
LK20-80-□□□-□□□-R	325	5950	1.05×10^{-3}	6500	0.1	0.9	$+1.8\ 0$	1006
LK20-95-□□□-□□□-R	450	5000	2.29×10^{-3}	8900	0.1	0.9	$+2.0\ 0$	1531
LK20-105-□□□-□□□-R	525	4550	3.82×10^{-3}	25759	0.1	0.9	$+2.1\ 0$	2106
LK20-55-□□□-□□□-G	75	8650	1.66×10^{-4}	5030	0.07	0.8	$+1.4\ 0$	344
LK20-65-□□□-□□□-G	200	7350	3.59×10^{-4}	10260	0.08	0.8	$+1.5\ 0$	505
LK20-80-□□□-□□□-G	405	5950	1.05×10^{-3}	16300	0.09	0.8	$+1.8\ 0$	1006
LK20-95-□□□-□□□-G	560	5000	2.29×10^{-3}	26860	0.1	0.8	$+2.0\ 0$	1531
LK20-105-□□□-□□□-G	655	4550	3.82×10^{-3}	47630	0.11	0.8	$+2.1\ 0$	2106

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

3.各弹性数值为20°C时数值。

Note:

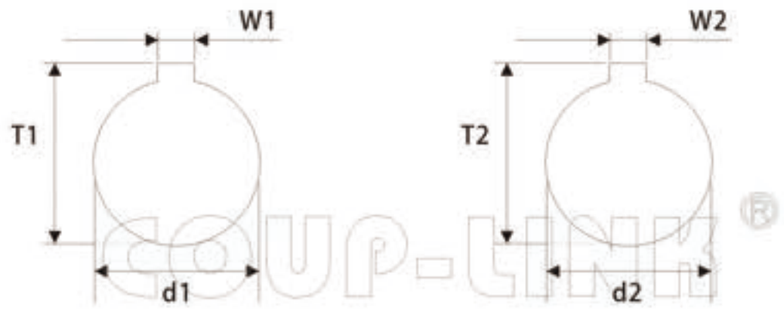
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK20 系列

LK20 Series

选项：定位螺丝加键槽固定，键槽尺寸

Setscrew Keyway Type



键槽标准尺寸表(国标JS9)：

单位 (unit)：mm

Standard Dimension Table of Keyway(Js9)

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK20-30K-10-14-Y

LK20：系列号，材料为铝合金
30：外径尺寸：30mm,定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽
Y：弹性体为黄色，SHA 90硬度

Example: LK20-30K-10-14-Y

LK20: Series NO, Material :Aluminum alloy
30: Outside Dia:30mm, Setscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
Y: yellow,SHA 90

例：LK20-30-10K-14-Y

LK20：系列号，材料为铝合金
30：外径尺寸：30mm,定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽
Y：弹性体为黄色，SHA 90硬度

Example: LK20-30-10K-14-Y

LK20: Series NO, Material :Aluminum alloy
30: Outside Dia: 30mm, Setscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10 bore standard keyway
Y: yellow,SHA 90

COUP-LINK® 联轴器

LK20 系列

LK20 Series

II. 夹紧螺丝固定型梅花联轴器

II. Clamp Type(Curved Jaw)

主体：铝合金材料
Body：Aluminum Alloy

主体：铝合金材料
Body：Aluminum Alloy

特点 Features

- 中间弹性体联接
- 可吸收振动、补偿径向、角向和轴向偏差
- 抗油与电气绝缘
- 顺时针与逆时针回转特性完全相同
- 有两种不同硬度弹性体
- 夹紧螺丝固定

- Coupling assembled by pressing a polyurethane sleeve into hubs on both
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Resistance to oil and electrical insulation
- Identical clockwise and anticlockwise rotational characteristics
- Two different hardness sleeves are avaible
- Clamp type

选型举例： Ordering Information

LK20 — C □ - □□□ - □□□ - □

- 弹性体: Curved Jaw — B:蓝色, SH A 80硬度; Y:黄色, SH A 90硬度; R:红色, SH A 98硬度; G:绿色, SH D 64硬度
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8; H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8; H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

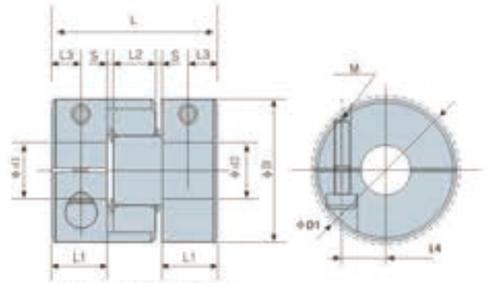
胶体选配说明:标准情况下,胶体选配为:
LK20-14~LK20-40; LK20-C14~LK20-C40:胶体配黄色。
LK20-55~LK20-105; LK20-C55~LK20-C105: 胶体配红色。

Note: Standard:
LK20-14~LK20-40; LK20-C14~LK20-C40:Yellow Insert.
LK20-55~LK20-105; LK20-C55~LK20-C105:Red Insert.

COUP-LINK® 联轴器

例:LK20-C40-14-18-Y

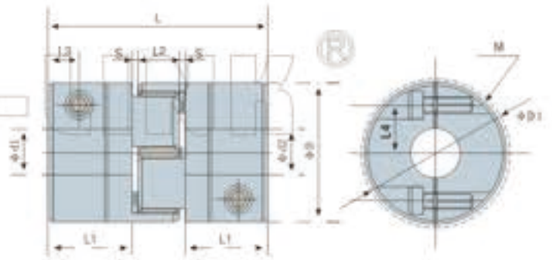
LK20: 系列号，材料为铝合金
C40: 外径尺寸: 40mm, 夹紧螺丝固定
14: d1孔径为: 14mm, 孔公差为H8
18: d2孔径为: 18mm, 孔公差为H8
Y: 弹性体为黄色,SHA 90硬度
孔径公称请按照d1(小径)-d2(大径)的顺序标示



LK20-C14~LK20-C30

Example: LK20-C40-14-18-Y

LK20: Series NO, Material :Aluminum Alloy
C40: Outside Dia: 30mm, Clamp Type
14: d1 Bore: 14mm,H8
18: d2 Bore: 18mm,H8
Y: yellow, SHA 90
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



LK20-C40~LK20-C105

外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 - d2 最小孔径 Min-Bore	d1 - d2 最大孔径 Max-Bore	ΦD	ΦD1	L	L1	L2	S	L3	L4	M	拧紧力矩 Tightening Torque (N.m)
LK20-C20-□□□-□□□-□	5	10	20	22.5	30	10	8	1.0	5	7.5	M2.5	1.0-1.1
LK20-C25-□□□-□□□-□	6	12	25	30	34	11	10	1.0	5	9.25	M4	3.4-4.1
LK20-C30-□□□-□□□-□	8	16	30	34	35	11	10	1.5	5	11.5	M4	3.4-4.1
LK20-C40S-□□□-□□□-□	11	24	40	46	55	19.5	12	2.0	6.5	16	M5	7.0-8.5
LK20-C40-□□□-□□□-□	11	24	40	46	66	25	12	2.0	9.5	16	M5	7.0-8.5
LK20-C55-□□□-□□□-□	15	28	55	56.5	78	30	14	2.0	11	19	M6	14-15
LK20-C65-□□□-□□□-□	20	38	65	72.5	90	35	15	2.5	12	25.75	M8	27-30
LK20-C80-□□□-□□□-□	30	45	80	84	114	45	18	3.0	16.5	31.25	M8	27-30
LK20-C95-□□□-□□□-□	38	55	95	100	126	50	20	3.0	17.5	37.5	M10	55-60
LK20-C105-□□□-□□□-□	38	60	105	108	140	56	21	3.5	20	41.25	M10	55-60

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。
3.ΦD1为最大孔径时，产品的最大旋转外径，如需最大旋转外径跟产品外径一致，请根据具体孔径咨询本公司。

Note:
1. For other bores not listed above, if you need to order, you can provide additional services. please contact our company.
2.The tolerance of the opposite installation shaft is h7 and h8. If the shaft tolerance is other tolerance, please provide the tolerance requirements to be customized by the manufacturer.
3.ΦD1 is the maximum hole diameter.The maximum rotation outer diamter of the product.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																																
	3	4	5	6	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60
LK20-C20-□□□-□□□-□			•	•	•	•	•	•	•																						
LK20-C25-□□□-□□□-□				•	•	•	•	•	•	•	•																				
LK20-C30-□□□-□□□-□						•	•	•	•	•	•	•	•	•																	
LK20-C40S-□□□-□□□-□										•	•	•	•	•	•	•	•	•	•												
LK20-C40-□□□-□□□-□										•	•	•	•	•	•	•	•	•	•												
LK20-C55-□□□-□□□-□													•	•	•	•	•	•	•	•	•										
LK20-C65-□□□-□□□-□																	•	•	•	•	•	•	•	•	•						
LK20-C80-□□□-□□□-□																						•	•	•	•	•	•	•			
LK20-C95-□□□-□□□-□																									•	•	•	•	•	•	
LK20-C105-□□□-□□□-□																									•	•	•	•	•	•	•

技术参数 specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of Angularity (mm)	重量 N.W. (g)
LK20-C20-□□□-□□□-B	1.8	19000	1.06×10^{-4}	17	0.19	1	$+0.8_{0}$	19
LK20-C25-□□□-□□□-B	3	15200	3.15×10^{-4}	54	0.2	1	$+0.9_{0}$	32
LK20-C30-□□□-□□□-B	4	12700	6.15×10^{-4}	62	0.2	1	$+1.0_{0}$	46
LK20-C40S-□□□-□□□-B	6	9550	3.01×10^{-3}	380	0.2	1	$+1.2_{0}$	113
LK20-C40-□□□-□□□-B	6	9550	3.66×10^{-3}	380	0.2	1	$+1.2_{0}$	137
LK20-C14-□□□-□□□-Y	1.2	27000	2.0×10^{-5}	14	0.1	1	$+0.6_{0}$	7
LK20-C20-□□□-□□□-Y	3	19000	1.06×10^{-4}	31	0.13	1	$+0.8_{0}$	19
LK20-C25-□□□-□□□-Y	5	15200	3.15×10^{-4}	65	0.14	1	$+0.9_{0}$	32
LK20-C30-□□□-□□□-Y	7.5	12700	6.15×10^{-4}	73	0.15	1	$+1.0_{0}$	46
LK20-C40S-□□□-□□□-Y	12	9550	3.01×10^{-3}	570	0.1	1	$+1.2_{0}$	113
LK20-C40-□□□-□□□-Y	12	9550	3.66×10^{-3}	570	0.1	1	$+1.2_{0}$	137
LK20-C55-□□□-□□□-Y	35	6950	1.6×10^{-3}	1600	0.14	1	$+1.4_{0}$	344
LK20-C65-□□□-□□□-Y	95	5850	3.55×10^{-3}	3000	0.15	1	$+1.5_{0}$	505
LK20-C80-□□□-□□□-Y	190	4750	1.04×10^{-2}	5300	0.17	1	$+1.8_{0}$	1006
LK20-C95-□□□-□□□-Y	265	4000	2.27×10^{-2}	6200	0.19	1	$+2.0_{0}$	1531
LK20-C105-□□□-□□□-Y	310	3600	3.79×10^{-2}	10870	0.23	1	$+2.1_{0}$	2106

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK20-C20-□□□-□□□-R	5	19000	1.06×10^{-4}	51	0.08	0.9	$+0.8_{0}$	19
LK20-C25-□□□-□□□-R	9	15200	3.15×10^{-4}	85	0.08	0.9	$+0.9_{0}$	32
LK20-C30-□□□-□□□-R	12.5	12700	6.15×10^{-4}	130	0.09	0.9	$+1.0_{0}$	46
LK20-C40S-□□□-□□□-R	21	9550	3.01×10^{-3}	1200	0.06	0.9	$+1.2_{0}$	113
LK20-C40-□□□-□□□-R	21	9550	3.66×10^{-3}	1200	0.06	0.9	$+1.2_{0}$	137
LK20-C55-□□□-□□□-R	60	6950	1.6×10^{-3}	2600	0.1	0.9	$+1.4_{0}$	344
LK20-C65-□□□-□□□-R	160	5850	3.55×10^{-3}	4900	0.1	0.9	$+1.5_{0}$	505
LK20-C80-□□□-□□□-R	325	4750	1.04×10^{-2}	6500	0.1	0.9	$+1.8_{0}$	1006
LK20-C95-□□□-□□□-R	450	4000	2.27×10^{-2}	8900	0.1	0.9	$+2.0_{0}$	1531
LK20-C105-□□□-□□□-R	525	3600	3.79×10^{-2}	25759	0.1	0.9	$+2.1_{0}$	2106
LK20-C55-□□□-□□□-G	75	8650	1.6×10^{-3}	5030	0.07	0.8	$+1.4_{0}$	344
LK20-C65-□□□-□□□-G	200	7350	3.55×10^{-3}	10260	0.08	0.8	$+1.5_{0}$	505
LK20-C80-□□□-□□□-G	405	5950	1.04×10^{-2}	16300	0.09	0.8	$+1.8_{0}$	1006
LK20-C95-□□□-□□□-G	560	5000	2.27×10^{-2}	26860	0.1	0.8	$+2.0_{0}$	1531
LK20-C105-□□□-□□□-G	655	4550	3.79×10^{-2}	47630	0.11	0.8	$+2.1_{0}$	2106

说明:

1.惯性力矩和重量按最大孔径计算。

2.最高转速未考虑动平衡。

3.各弹性数值为20°C时数值。

Note:

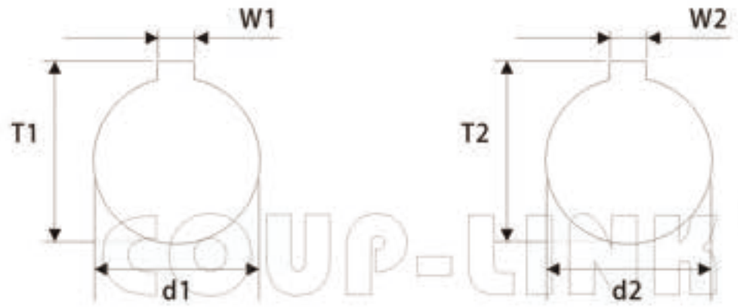
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK20 系列

LK20 Series

选项：夹紧螺丝加键槽固定，键槽尺寸

Clamp Keyway Type



键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

单位 (unit)：mm

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK20 — C□□ - □□□ - □□□ - □

- 孔径公差: bore tolerance → 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance → 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK20-C30K-10-14-Y

LK20: 系列号，材料为铝合金
C30: 外径尺寸：30mm,夹紧螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10,14两孔都加标准键槽
Y: 弹性体为黄色，SHA 90硬度

Example: LK20-C30K-10-14-Y

LK20: Series NO, Material :Aluminum alloy
C30: Outside Dia:30mm, Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway
Y: yellow,SHA 90

例：LK20-C30-10K-14-Y

LK20: 系列号，材料为铝合金
C30: 外径尺寸：30mm,夹紧螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10端孔加标准键槽
Y: 弹性体为黄色，SHA 90硬度

Example: LK20-C30-10K-14-Y

LK20: Series NO, Material :Aluminum alloy
C30: Outside Dia:30mm, Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10 bore standard keyway
Y: yellow,SHA 90

LK21 系列
LK21 Series

使用注意事项:
CAUTIONS:

1.请务必遵守偏心,偏角,轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时,可能会无法保持组装精度而在使用中发生破损,请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性,但极度粘附的环境也会导致产品劣化,请避免此类情况。
5.弹性元件由薄薄的不锈钢膜片组成,使用时注意避免划伤。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Plate springs consist of thin stainless steel diaphragms, when using, care should be taken to avoid scratches.

安装方式:
INSTALLATION:

1.确认联轴器的压紧螺栓有无松动,去除轴及联轴器内径面的锈迹,灰尘及油等。特别是,对联轴器摩擦系数有显著影响的各类润滑脂,绝不可有粘附。
Confirm whether the compression bolt of the coupling is loose, and remove the rust, dust and oil on the shaft andtheinner diameter of the coupling. In particular, all kindsof greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.对好键槽,请将联轴器插入电动机轴和从动轴。插入时,请勿在联轴器的弹性元件上施加过大的压缩和拉伸力,特别是在把联轴器安装至电动机后将联轴器插入从动轴时,可能会因错误操作而施加过大的压缩力,请注意。
For proper keyway, please insert the coupling into the motor shaft and driven shaft. When inserting, do not apply too much compression and tensile force on the elastic element of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在加压螺栓处于松动状态下,请确认联轴器是否能沿轴向和旋转方向轻微移动,如果无法顺畅移动,请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法,如果无法使用同样的确认方法,请使用其他测量方法确认安装精度。
When the compression bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it cannot move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.调整好同轴度后,将键槽上面的加压螺栓拧紧。
After the coaxiality is adjusted, tighten the pressure bolt on the keyway.

LK21 系列 长跨距膜片联轴器
LK21 Series **Long Span Coupling(Plate Springs)**

特点 Features

- 用键槽或者胀紧套联接的膜片型联轴器
- 零回转间隙,拆装方便
- 高灵敏度,传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于长跨距的精密传动

主体:铁合金材料 Body:Steel

胀紧套联接型

主体:铁合金材料 Body:Steel

键槽联接型

- Using keyway or locking assemblies connect, plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb parallel, angular misalignments and shaft end-play
- Using in long span drive

一体化膜片组
LK21-58KWP~LK21-104KWP
LK21-68AWP~LK21-104AWP

选型举例: Ordering Information

LK21 — □□ - □□□ - □□□ WP - □□

- 联轴器总长度(可定做) Length(can change according to customer)
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K:键槽联接:Keyway Type / A:胀套联接:Locking Assemble Type
- 外径尺寸: Outside Dia

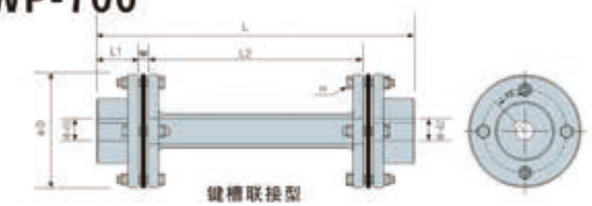
一体化膜片组
LK21-126KWP~LK21-144KWP
LK21-126AWP~LK21-144AWP

例: LK21-82K-14-20WP-700

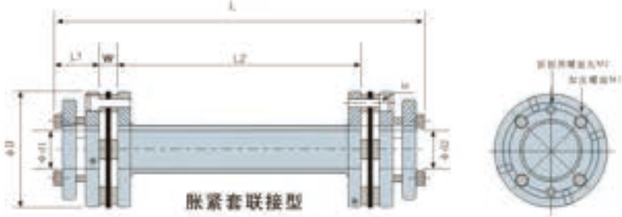
LK21: 系列号, 材料为45#钢
82K: 外径尺寸: 82mm,键槽联接
14: d1孔径为: 14mm,H8
20: d2孔径为: 20mm,H8
700: 长度: 700mm
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK21-82K-14-20WP-700

LK21: Series NO, Material: 45#Steel
82: Outside Dia: 82mm,Keyway Type
14: d1 Bore: 14mm,H8
20: d2 Bore: 20mm,H8
700: Length: 700mm
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



键槽联接型



胀紧套联接型

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	L	L1	L2	W	M
LK21-68K-□□□-□□□WP-□□ LK21-68A-□□□-□□□WP-□□	11 14	25 35	68	700 1000 1300	29	630 930 1230	6	M6
LK21-82K-□□□-□□□WP-□□ LK21-82A-□□□-□□□WP-□□	14 18	35 35	82	700 1000 1300	30	624 924 1224	8	M6
LK21-94K-□□□-□□□WP-□□ LK21-94A-□□□-□□□WP-□□	14 28	38 48	94	700 1000 1300	30	623 923 1223	8.5	M8
LK21-104K-□□□-□□□WP-□□ LK21-104A-□□□-□□□WP-□□	18 32	42 60	104	700 1000 1300	35	610 910 1210	10	M8
LK21-126K-□□□-□□□WP-□□ LK21-126A-□□□-□□□WP-□□	22 35	50 60	126	700 1000 1300	40	595 895 1195	12.5	M10
LK21-144K-□□□-□□□WP-□□ LK21-144A-□□□-□□□WP-□□	24 35	60 75	144	700 1000 1300	45	584 884 1184	13	M12

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (Kg)
LK21-68K-□□□-□□□WP-□□	60	9500	1.4×10^{-3}	19000	0.04	1.5	±0.6	3.9
LK21-82K-□□□-□□□WP-□□	100	8800	2.7×10^{-3}	58000	0.04	1.5	±0.6	5
LK21-94K-□□□-□□□WP-□□	180	6800	6.2×10^{-3}	117000	0.04	1.5	±0.6	8.2
LK21-104K-□□□-□□□WP-□□	250	6000	1.1×10^{-2}	172000	0.04	1.5	±0.6	11.1
LK21-126K-□□□-□□□WP-□□	420	5800	2.7×10^{-2}	300000	0.04	1.5	±0.6	18.3
LK21-144K-□□□-□□□WP-□□	700	5100	3.9×10^{-2}	525000	0.04	1.5	±0.8	18.6
LK21-68A-□□□-□□□WP-□□	55	9500	1.6×10^{-3}	19200	0.04	1.5	±0.6	4.2
LK21-82A-□□□-□□□WP-□□	80	8800	3.1×10^{-3}	59000	0.04	1.5	±0.6	5.4
LK21-94A-□□□-□□□WP-□□	170	6800	6.3×10^{-3}	119000	0.04	1.5	±0.6	8.1
LK21-104A-□□□-□□□WP-□□	240	6000	1.2×10^{-2}	174000	0.04	1.5	±0.6	10.5
LK21-126A-□□□-□□□WP-□□	420	5800	2.8×10^{-2}	310000	0.04	1.5	±0.6	18.3
LK21-144A-□□□-□□□WP-□□	700	5100	4.1×10^{-2}	530000	0.04	1.5	±0.8	19.2

说明：
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.

LK22 系列
LK22 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的转矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时，可能会无法保持组装精度而在使用中发生破损请，在操作过程中加以留意。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.

安装方式：
INSTALLATION:

1.确认联轴器的压紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the compression bolt of the coupling is loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.对好键槽，请将联轴器插入电动机轴和从动轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
For proper keyway, please insert the coupling into the motor shaft and driven shaft. When inserting, do not apply too much compression and tensile force on the elastic element of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在加压螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the compression bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it cannot move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.调整好同轴度后，将键槽上面的加压螺栓拧紧。
After the coaxiality is adjusted, tighten the pressure bolt on the keyway.

LK22 系列

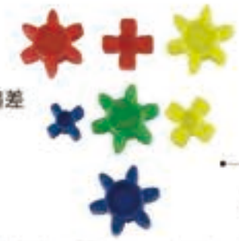
LK22 Series

钢质梅花弹性体联轴器

Steel Coupling (Curved Jaw)

特点 Features

- 中间弹性体联接
- 可吸收振动，补偿径向、角向和轴向偏差
- 两种不同硬度弹性体
- 顺时针与逆时针回转特性完全相同
- 联轴器体为钢材，适合大扭矩传动
- 采用键槽联接



主体：铁合金材料

Body:Steel

LK22-30K~LK22-65K

- Coupling assembled by pressing a polyurethane sleeve into hubs on both sides
- Can absorb vibration, parallel, angular misalignments and shaft end-play
- Two different hardness sleeves are avaible
- Identical clockwise and anticlockwise rotational characteristics
- Coupling body is steel, high torque capacity
- Keyway type

主体：铁合金材料

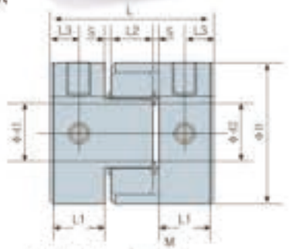
Body:Steel

LK22-80K~LK22-135K

选型举例： Ordering Information

LK22 — □ - □□□ - □□□ - R

- 孔径公差: bore tolerance — 无标志：H8 / Blank：H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志：H8 / Blank：H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia



LK22-30

例：LK22-30K-10-12-R

LK22：系列号，材料为45#钢

30K：外径尺寸：30mm,键槽固定

10：d1孔径为：10mm,孔公差H8

12：d2轴径为：12mm ,孔公差H8

R：红胶

孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK22-30K-10-12-R

LK22: Series NO，Material：45#steel

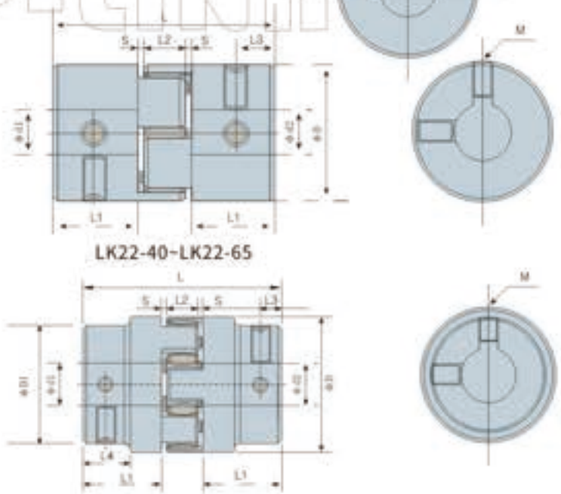
30：Outside Dia：30mm,Keyway Type

10：d1 Bore：10mm,H8

12：d2 Bore：12mm,H8

R：red SHA 98

Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



LK22-40~LK22-65

LK22-80~LK22-135

外型尺寸 Dimensions

单位 unit: mm

型号 Model	d1 - d2 最小孔径 Min-Bore	d1 - d2 最大孔径 Max-Bore	ΦD	ΦD1	L	L1	L2	S	L3	L4	M	拧紧力矩 Tightening Torque (N.m)
LK22-30K-□□□-□□□-R	8	16	30	30	35	11.5	9.6	1.2	5	—	M4	1.9
LK22-40K-□□□-□□□-R	11	24	40	40	66	25.5	12	1.5	10	—	M5	3.7
LK22-55K-□□□-□□□-R	15	28	55	55	78	30.85	13.3	1.5	10	—	M5	3.7
LK22-65K-□□□-□□□-R	20	38	65	65	90	35.75	15.5	1.5	15	—	M8	15
LK22-80K-□□□-□□□-R	30	45	80	70	114	45.75	19.5	1.5	15	27	M8	15
LK22-95K-□□□-□□□-R	38	55	95	85	126	50.25	22.5	1.5	20	28	M8	15
LK22-105K-□□□-□□□-R	38	60	105	95	140	57	23	1.5	20	32	M8	15
LK22-120K-□□□-□□□-R	40	65	120	110	160	66.15	24.7	1.5	20	37	M10	29.5
LK22-135K-□□□-□□□-R	45	70	135	115	185	77.2	27.6	1.5	20	47	M10	29.5

说明：

1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。

2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit): mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																											
	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60	65	70
LK22-30K-□□□-□□□-R	•	•	•	•	•	•	•	•	•																			
LK22-40K-□□□-□□□-R				•	•	•	•	•	•	•	•	•	•	•														
LK22-55K-□□□-□□□-R								•	•	•	•	•	•	•	•	•												
LK22-65K-□□□-□□□-R												•	•	•	•	•	•	•	•	•								
LK22-80K-□□□-□□□-R																	•	•	•	•	•	•	•					
LK22-95K-□□□-□□□-R																				•	•	•	•	•	•			
LK22-105K-□□□-□□□-R																				•	•	•	•	•	•	•		
LK22-120K-□□□-□□□-R																					•	•	•	•	•	•	•	
LK22-135K-□□□-□□□-R																						•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

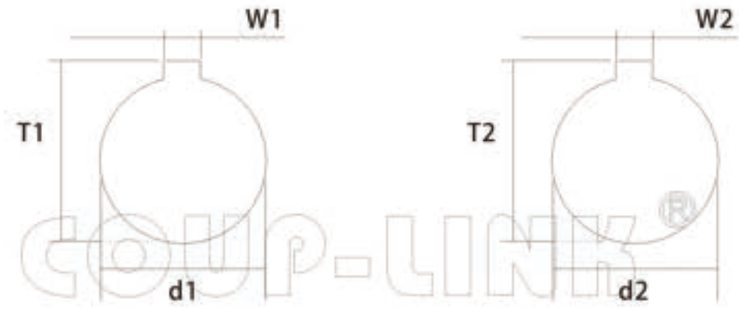
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK22-30K-□□□-□□□-R	12.5	15000	1.6×10^{-5}	130	0.09	0.9	$+1.0\ 0$	110
LK22-40K-□□□-□□□-R	21	10000	1.0×10^{-4}	1200	0.06	0.9	$+1.2\ 0$	363
LK22-55K-□□□-□□□-R	60	8000	4.5×10^{-4}	2600	0.1	0.9	$+1.4\ 0$	938
LK22-65K-□□□-□□□-R	160	6000	9.7×10^{-4}	4900	0.1	0.9	$+1.5\ 0$	1357
LK22-80K-□□□-□□□-R	325	4600	2.2×10^{-3}	6500	0.1	0.9	$+1.8\ 0$	2239
LK22-95K-□□□-□□□-R	450	3800	5.1×10^{-3}	8900	0.1	0.9	$+2.0\ 0$	3527
LK22-105K-□□□-□□□-R	525	3400	8.6×10^{-3}	25759	0.1	0.9	$+2.1\ 0$	4934
LK22-120K-□□□-□□□-R	685	3000	1.8×10^{-2}	32117	0.1	0.9	$+2.2\ 0$	7892
LK22-135K-□□□-□□□-R	940	2600	2.9×10^{-2}	38520	0.1	0.9	$+2.6\ 0$	10874

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。
3.各弹性数值为20°C时数值。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. The maximum speed does not consider dynamic balance.
3. The elastic value is 20°C.

LK22 系列 LK22 Series

定位螺丝加键槽固定,键槽尺寸
Setscrew Keyway Type



单位 (unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

LK23 系列
LK23 Series

使用注意事项：
CAUTIONS:

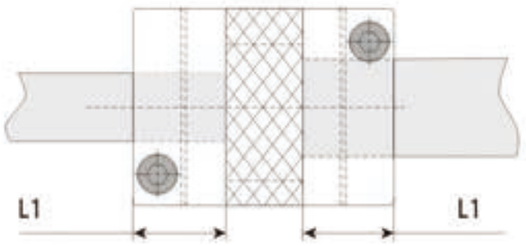
1. 请务必遵守偏心，偏角，轴向的允许公差。
2. 螺栓类请务必按指定的扭矩拧紧。
3. 使用环境范围为-20°C至80°C。橡胶弹性体应避开在接触到水，油，酸，碱等的环境中使用，在直射阳光下使用或存放也可能导致寿命缩短，请避免此类情况。
4. 插入安装轴前，请勿拧紧夹紧螺栓。

1. Please observe the allowable tolerance of eccentricity, deflection angle and axial direction.
2. The bolts must be tightened according to the specified torque.
3. The range of service environment is - 20 to 80 ° C. Rubber elastomers should be kept away from use in the environment contacting with water, oil, acid, alkali, etc., and use or storage in direct sunlight may also shorten the service life, please avoid such situations.
4. Do not tighten the clamping bolt before inserting the mounting shaft.

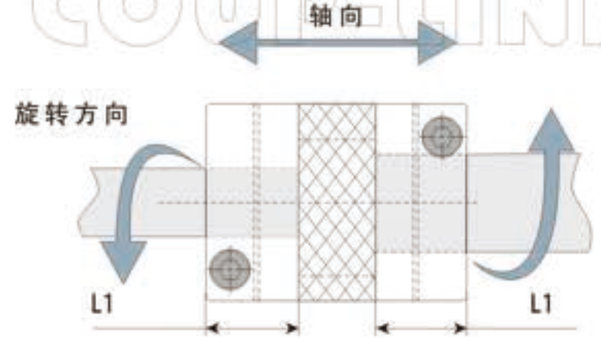
安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有 粘附，安装前，请把轴，孔清理干净。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner surface of the shaft and coupling. Especially, all kinds of grease that have significant influence on the friction coefficient of the coupling must not be adhered. Clean the shaft and hole before installation.

2.请将联轴器插入电动机轴。插入长度必须接近联轴器的边节长度，使夹紧端面跟轴有足够大接触面，保证足够摩擦力。
Please insert the coupling into the motor shaft. The insertion length must be close to the side section length of the coupling, so that the clamping end has a large enough contact surface with the shaft to ensure sufficient friction.



3. 在夹紧螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the clamping bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If the movement is not smooth, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.



4.确认联轴器能沿轴向和旋转方向顺畅移动后，请将两根夹紧螺栓拧紧。拧紧螺栓时，请使用经过校准的扭力板手，按参数表上所列的夹紧螺栓紧固扭矩上紧螺栓。
After confirming that the coupling can move smoothly along the axial direction and rotation direction, please tighten the two clamping bolts. When tightening the bolts, use the calibrated torque wrench to tighten the bolts according to the tightening torque of the clamping bolts listed in the parameter table.

5. 作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti loose measure of clamping bolt, it is recommended to use correct tightening torque again for re tightening after a period of operation.

LK23 系列 高响应联轴器

LK23 Series　High Response Coupling

特点 Features

- 一体成型的联轴器，响应快
- 中间橡胶弹性体，能吸收振动
- 电气绝缘

- Integral forming coupling, fast response
- Intermediate rubber elastomer can absorb vibration
- Electrical insulation

选型举例： Ordering Information

LK23 - C□ - □□□ - □□□

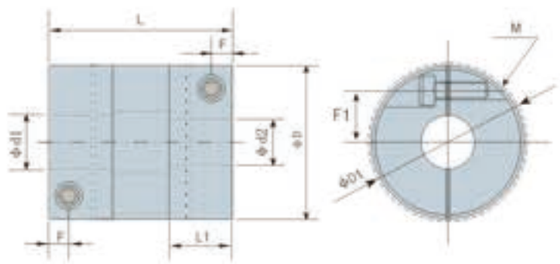
- 孔径公差: bore tolerance　无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance　无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia

例：LK23-C40-14-18

LK23：系列号，材料为铝合金
C40：外径尺寸：40mm,夹紧螺丝固定
14：d1孔径为：14mm,孔公差为H8
18：d2孔径为：18mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK23-C40-14-18

LK23: Series NO, Material: Aluminum Alloy
C40: Outside Dia: 40mm,Clamp Type
14: d1 Bore: 14mm,H8
18: d2 Bore: 18mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit)：mm

型号 Model	d1 - d2 最小孔径 Min-Bore	d1 - d2 最大孔径 Max-Bore	ΦD	L	ΦD1	F	F1	L1	M	拧紧力矩 Tightening Torque (N.m)
LK23-C15S-□□□-□□□	3	6	15	18	16	2.1	5.25	6.4	M1.6	0.23-0.28
LK23-C15-□□□-□□□	3	6	15	23	16	2.1	5.25	6.4	M1.6	0.23-0.28
LK23-C20-□□□-□□□	4	8	20	26	20	2.5	6.5	7.6	M2.0	0.4-0.5
LK23-C25-□□□-□□□	5	12	25	32	27	3.0	9.25	9.6	M2.5	1.0-1.1
LK23-C30-□□□-□□□	8	15	30	36	32	3.5	11.25	10.9	M3	1.5-1.9
LK23-C35-□□□-□□□	8	16	35	38	35	3.75	12.5	11.8	M3	1.5-1.9
LK23-C40-□□□-□□□	10	20	40	48	41.5	5.5	14.5	17	M5	7.0-8.5
LK23-C45-□□□-□□□	12	22	45	50	47	5.5	16.25	18	M5	7.0-8.5

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit)：mm

型号 Model	标准孔径 Standard Bore Diameter · d1-d2(mm)																
	3	4	5	6	6.35	8	9	9.525	10	11	12	14	15	16	18	19	20
LK23-C15S-□□□-□□□	•	•	•	•													
LK23-C15-□□□-□□□	•	•	•	•													
LK23-C20-□□□-□□□		•	•	•	•	•											
LK23-C25-□□□-□□□			•	•	•	•	•	•	•	•	•						
LK23-C30-□□□-□□□						•	•	•	•	•	•	•	•				
LK23-C35-□□□-□□□						•	•	•	•	•	•	•	•	•			
LK23-C40-□□□-□□□									•	•	•	•	•	•	•	•	•
LK23-C45-□□□-□□□											•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK23-C15S-□□□-□□□	1.1	42000	1.86×10^{-7}	110	0.15	1.5	±0.2	6.8
LK23-C15-□□□-□□□	1.1	42000	2.41×10^{-7}	110	0.15	1.5	±0.2	7.5
LK23-C20-□□□-□□□	2.1	33000	8.59×10^{-7}	240	0.15	1.5	±0.2	15
LK23-C25-□□□-□□□	4.0	25000	2.60×10^{-6}	390	0.15	1.5	±0.2	28
LK23-C30-□□□-□□□	6.3	21000	6.25×10^{-6}	590	0.2	1.5	±0.3	47
LK23-C35-□□□-□□□	8.0	18000	1.17×10^{-5}	890	0.2	1.5	±0.3	65
LK23-C40-□□□-□□□	13.5	16000	2.75×10^{-5}	1100	0.2	1.5	±0.3	112
LK23-C45-□□□-□□□	18	14000	4.43×10^{-5}	1300	0.2	1.5	±0.3	148

说明:
1.惯性力矩和重量按最大孔径计算。
2.最高转速未考虑动平衡。

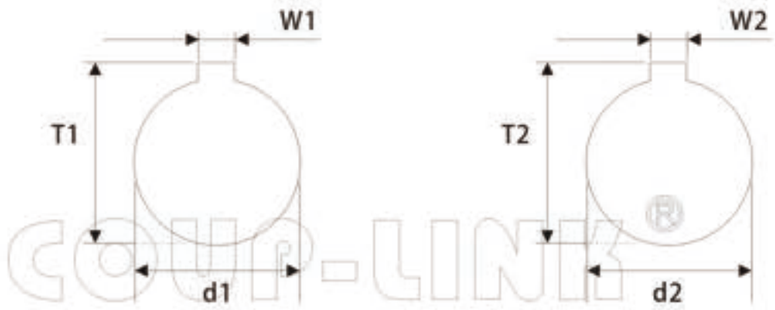
Note:
1.Moment of inertia and weight are based on the maximum size bores
2.The maximum speed does not consider dynamic balance.

环境温度高于30°C时,请根据下表的温度修正系数调整常用扭矩及最大扭矩:
When the ambient temperature is higher than 30 ° C, please adjust thecommon torque and the maximum torque according tothe temperature correction coefficient in the table below:

环境温度 Environment temperature	温度修正系数 Temperature correction factor
-20°C-30°C	1.0
30°C-40°C	0.8
40°C-60°C	0.7
60°C-80°C	0.5

LK23 系列 LK23 Series

夹紧螺丝加键槽固定,键槽尺寸
Clamp Keyway Type



单位(unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK23-C30K-10-14

LK23：系列号，材料为铝合金
C30：外径尺寸：30mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽

Example:LK23-C30K-10-14
LK23: Series NO, Material : Aluminum alloy
C30: Outside Dia:30mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例:LK23-C30-10K-14

LK23: 系列号，材料为铝合金
C30: 外径尺寸：30mm,夹紧螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10端孔加标准键槽

Example: LK23-C30-10K-14
LK23: Series NO, Material : Aluminum alloy
C30: Outside Dia:30mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway

LK24 系列
LK24 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强烈冲击时，可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.弹性元件由薄薄的不锈钢膜片组成，使用时注意避免划伤。
6.插入安装轴前，请勿拧紧夹紧螺栓。

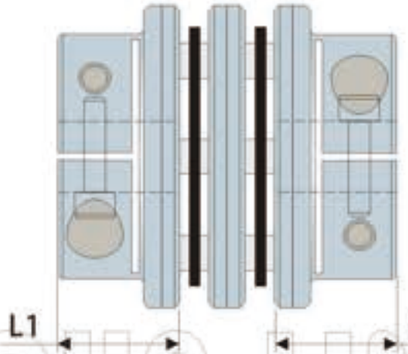
1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameters of the coupling can be assembled accurately by using special fixtures. In case of strong impact on the coupling, the assembly accuracy may not be maintained and the coupling may be damaged in use,please pay attention to it during operation.
4. The use range is - 30 C - 120 C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Plate springs consist of thin stainless steel diaphragms, when using, care should be taken to avoid scratches.
6. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt of the coupling is loose or not, remove rust, dust and oil on the inner diameter surface of theshaft and coupling. In particular, all kinds of greases which have a significant impact on the friction coefficient of the coupling must not have adhesion.

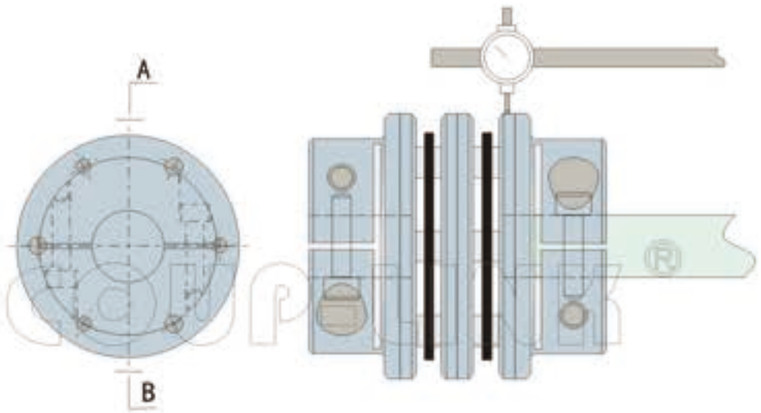
2.请将联轴器插入电动机轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft. When inserting, do not apply excessive compression and tension force on the elastic components of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, excessive compression force may be exerted due to incorrect operation, please note.

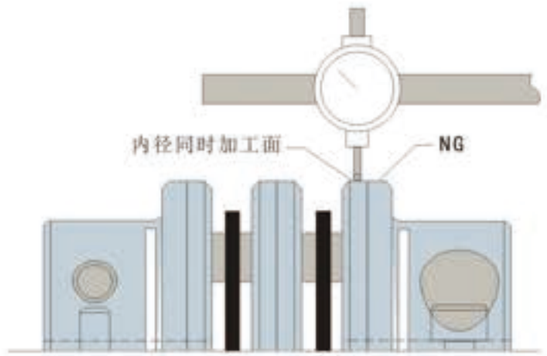
3.联轴器插入电动机轴的长度如下图所示，贯穿边节法兰全长(L1尺寸)并与轴联接，且不得与弹性元件及另一边的轴干涉，并保持在该位置。
The length of the coupling inserted into the motor shaft is shown in the figure below. The full length of the flange running through the side section (L1 size) is connected with the shaft, and it is not allowed to interfere with the elastic element and the axis on the other side, and is kept in this position.



4.使千分表与电动机轴侧的夹紧发兰外径(内径同时加工面)接触,在用手旋转电动机轴侧的同时,调整并拧紧2根夹紧螺栓,使下图A,B的跳动值的差在0.02mm以下(尽可能接近零)。

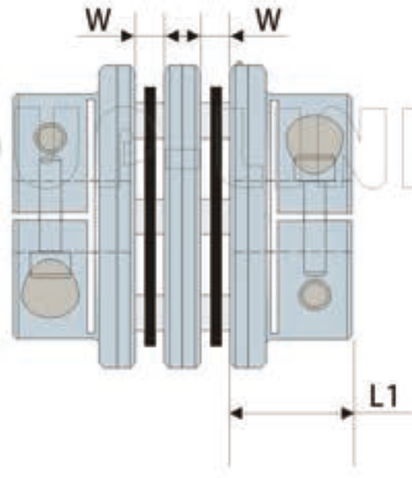
Contact the micrometer with the clamping hairpin outer diameter (inner diameter processing surface) of the motor shaft side, adjust and tighten two clamping bolts while rotating the motor shaft side by hand, so that the difference between the jump values of figure A and B below 0.02 mm (as close as possible to zero).





5.在调整的同时交替拧紧2根夹紧螺栓,最后使用经过校准的扭矩板手将2根螺栓均以参数表上的正确紧固扭矩拧紧。

At the same time, two clamping bolts are tightened alternately. Finally, the two bolts are tightened with the correct tightening torque on the parameter table by using the calibrated torque plate hand.



6.请将安装了联轴器的电动机安装至机身。安装时,将联轴器插入从动轴(滚珠丝杆等)的同时调整电动机的安装位置(定心接口),并注意不要在弹性元件施加过大压缩,拉伸力。

Please install the motor with coupling to the fuselage. When installing, insert the coupling into the driven shaft (ball screw, etc.) while adjusting the installation position of the motor (centring interface), and pay attention not to exert excessive compression and tension on the elastic elements.

7.联轴器插入从动轴的长度也需达到上述L1尺寸并与轴接触,交替拧紧2根夹紧螺栓进行预拧紧,直至无法用手转动联轴器。

The length of the coupling inserted into the driven shaft should also reach the above L1 size and contact with the shaft, alternately tightening two clamping bolts for pre-tightening, until the coupling can not be rotated by hand.

8.请将夹紧发兰面到面尺寸(W尺寸)控制在标准值的轴向位移允许误差的范围内。该值为假设偏心,偏角为零时的允许值,请尽量调小。

Please control the dimension of clamping hairdressing face to face (W dimension) within the allowable error range of the standard value of the axial displacement. This value is the allowable value when the eccentricity is assumed and the deflection angle is zero. Please adjust it as small as possible.

LK24 系列

LK24 Series

I.单节夹紧螺丝固定式(膜片联轴器)

I .Clamp Type (Single Plate Springs)

特点 Features

- 利用双夹紧联接的膜片型联轴器
- 刚性强,传递扭矩大
- Diaphragm type coupling with double clamping connection
- High rigidity, large transmission torque.

主体:45°钢

Body:45° steel

选型举例: Ordering Information

LK24 — C C □ - □□□ - □□□

- 外径尺寸: Outside Dia
- d1轴径(小径): d1 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8

例: LK24-CC60-20-24

LK24: 系列号, 材料为45°钢

CC60: 外径尺寸: 60mm,双夹紧螺丝固定

20: d1孔径为: 20mm,孔公差为H8

24: d2孔径为: 24mm,孔公差为H8

孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK24-CC60-20-24

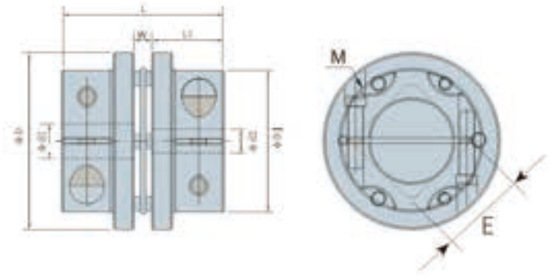
LK24: Series NO, material: 45° steel

CC60:Outside Dia:60mm, double clamp type

20: d1 bore: 10mm,H8

24: d2 bore: 14mm,H8

Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	φd1·φd2 孔径范围 Bore rang	ΦD	ΦD1	L	W	L1	E	M	拧紧力矩 Tightening Torque (N.m)
LK24-CC60-□□□-□□□	12≤d1.d2≤22	60	44	54	6	24	31.5	2-M6	14-15
	22<d1.d2≤28		48						
LK24-CC70-□□□-□□□	18≤d1.d2≤25	70	47	57.3	7.3	25	38	2-M6	14-15
	25<d1.d2≤35		56						
LK24-CC80-□□□-□□□	22≤d1.d2≤25	80	53	69	9	30	42	2-M8	27-30
	25<d1.d2≤35		70						
LK24-CC90-□□□-□□□	25≤d1.d2≤32	90	66	70	10	30	43	2-M8	27-30
	32<d1.d2≤42		74						
LK24-CC100-□□□-□□□	32≤d1.d2≤48	100	84	91	11	40	50	2-M10	55-60
LK24-CC128-□□□-□□□	32≤d1.d2≤45	128	88	92	12	40	60	2-M12	70-80
	45<d1.d2≤60		105						
LK24-CC148-□□□-□□□	50≤d1.d2≤80	148	128	113	13	50	70	2-M12	70-80

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																									
	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75	80
LK24-CC60-□□□-□□□	•	•	•	•	•	•	•	•	•	•	•															
LK24-CC70-□□□-□□□					•	•	•	•	•	•	•	•	•	•												
LK24-CC80-□□□-□□□								•	•	•	•	•	•	•												
LK24-CC90-□□□-□□□										•	•	•	•	•	•	•	•									
LK24-CC100-□□□-□□□													•	•	•	•	•	•	•							
LK24-CC128-□□□-□□□													•	•	•	•	•	•	•	•	•	•				
LK24-CC148-□□□-□□□																				•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

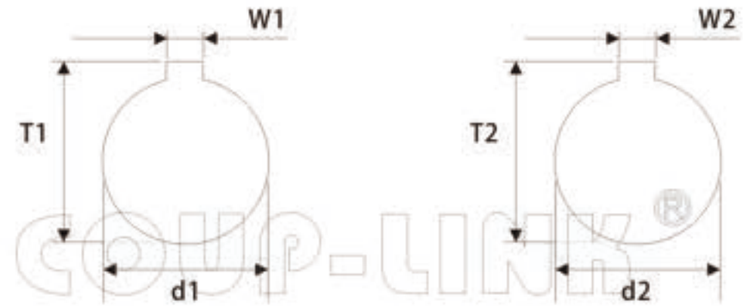
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK24-CC60-□□□-□□□	60	18000	2.04×10^{-4}	105000	0.02	1	±0.3	472
LK24-CC70-□□□-□□□	100	18000	3.77×10^{-4}	245000	0.02	1	±0.5	684
LK24-CC80-□□□-□□□	200	17000	1.09×10^{-3}	313000	0.02	1	±0.5	1405
LK24-CC90-□□□-□□□	300	15000	1.42×10^{-3}	522000	0.02	1	±0.6	1630
LK24-CC100-□□□-□□□	450	13000	3.39×10^{-3}	740000	0.02	1	±0.65	2702
LK24-CC128-□□□-□□□	600	10000	7.43×10^{-3}	970000	0.02	1	±0.8	4599
LK24-CC148-□□□-□□□	800	8000	1.77×10^{-2}	1240000	0.02	1	±0.9	7099

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为单个元件的实测值。
3.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of a single element.
3. The maximum speed does not consider dynamic balance.

LK24 系列 LK24 Series

选项:适用键槽轴,键槽尺寸
Clamp Keyway Type(Single Plate Springs)



键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

单位(unit):mm

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK24—C C □ □ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK24-CC60K-20-24

LK24：系列号，材料为45#钢
Cc60：外径尺寸：60mm,夹紧螺丝固定
20：d1孔径为：20mm,孔公差为H8
24：d2孔径为：24mm,孔公差为H8
K：表示20,24两孔都加标准键槽

Example: LK24-CC60K-20-24
LK24:Series NO, Material :45# steel
CC60:Outside Dia:60mm,Clamp Type
20: d1 Bore: 20mm,H8
24: d2 Bore: 24mm,H8
K: 20,24 bore standard keyway

例：LK24-CC60-20K-24

LK24：系列号，材料为45#钢
Cc60：外径尺寸：60mm,夹紧螺丝固定
20：d1孔径为：20mm,孔公差为H8
24：d2孔径为：24mm,孔公差为H8
K：表示20端孔加标准键槽

Example: LK24-CC60-20K-24
LK24: Series NO, Material: 45# steel
CC60:Outside Dia:60mm,Clamp Type
20: d1 Bore: 20mm,H8
24: d2 Bore: 24mm,H8
K: 20 bore standard keyway

LK24 系列 LK24 Series

II.多节夹紧螺丝固定式(膜片联轴器)
II .Clamp Type (Double Plate Springs)

特点 Features

- 利用双夹紧联接的膜片型联轴器
- 刚性强，传递扭矩大
- Diaphragm type coupling with double clamping connection
- High rigidity, large transmission torque.

主体:45#钢
Body:45# steel

选型举例：Ordering Information

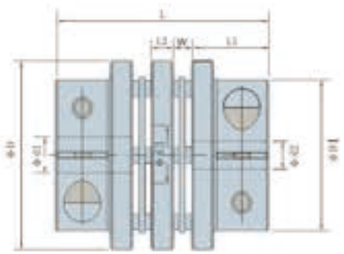
LK24 — C C □ - □□□ - □□□ WP

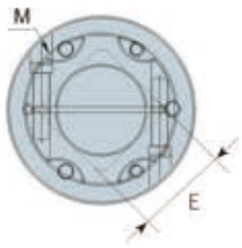
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia

例：LK24-CC60-20-24WP

LK24：系列号，材料为45#钢
CC60：外径尺寸：60mm,双夹紧螺丝固定
20：d1孔径为：20mm,孔公差为H8
24：d2孔径为：24mm,孔公差为H8
WP: 双膜片
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK24-CC60-20-24WP
LK24: Series NO, material: 45# steel
CC60:Outside Dia:60mm, double clamp type
20: d1 bore: 10mm,H8
24: d2 bore: 14mm,H8
WP: double plate springs
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)





外型尺寸 Dimensions

单位(unit):mm

型号 Model	Φd1·Φd2 孔径范围 Bore rang	ΦD	ΦD1	L	W	L1	L2	d3	E	M	拧紧力矩 Tightening Torque (N.m)
LK24-CC60-□□□-□□□WP	12≤d1.d2≤22	60	44	67	6	24	7	30	31.5	2-M6	14-15
	22<d1.d2≤28		48								
LK24-CC70-□□□-□□□WP	18≤d1.d2≤25	70	47	72.6	7.3	25	8	36	38	2-M6	14-15
	25<d1.d2≤35		56								
LK24-CC80-□□□-□□□WP	22≤d1.d2≤25	80	53	87.2	9	30	9.2	36	42	2-M8	27-30
	25<d1.d2≤35		70								
LK24-CC90-□□□-□□□WP	25≤d1.d2≤32	90	66	88	10	30	8	43	43	2-M8	27-30
	32<d1.d2≤42		74								
LK24-CC100-□□□-□□□WP	32≤d1.d2≤48	100	84	112	11	40	10	56	50	2-M10	55-60
LK24-CC128-□□□-□□□WP	32≤d1.d2≤45	128	88	116	12	40	12	65	60	2-M12	55-60
	45<d1.d2≤60		105								
LK24-CC148-□□□-□□□WP	50≤d1.d2≤80	148	128	143	13	50	17	70	70	2-M12	70-80

说明:
1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。
2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																								
	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75	80
LK24-CC60-□□□-□□□WP	•	•	•	•	•	•	•	•	•	•	•															
LK24-CC70-□□□-□□□WP					•	•	•	•	•	•	•	•	•	•												
LK24-CC80-□□□-□□□WP								•	•	•	•	•	•	•												
LK24-CC90-□□□-□□□WP										•	•	•	•	•	•	•	•									
LK24-CC100-□□□-□□□WP													•	•	•	•	•	•	•							
LK24-CC128-□□□-□□□WP													•	•	•	•	•	•	•	•	•	•				
LK24-CC148-□□□-□□□WP																				•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

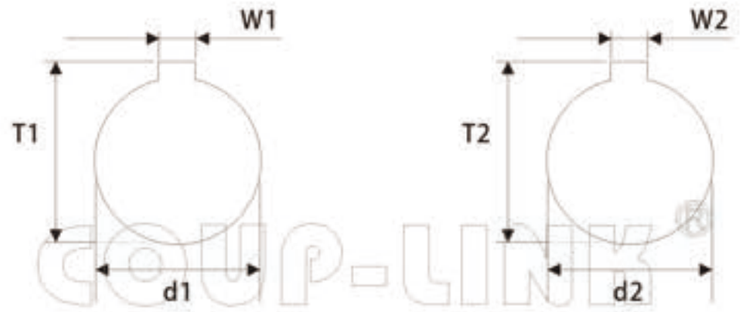
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK24-CC60-□□□-□□□WP	60	14000	2.84×10^{-4}	53000	0.2	2	±0.6	594
LK24-CC70-□□□-□□□WP	100	14000	5.96×10^{-4}	120000	0.25	2	±1.0	878
LK24-CC80-□□□-□□□WP	200	13000	1.53×10^{-3}	156000	0.32	2	±1.0	1778
LK24-CC90-□□□-□□□WP	300	12000	2.23×10^{-3}	261000	0.32	2	±1.2	2069
LK24-CC100-□□□-□□□WP	450	10000	4.23×10^{-3}	370000	0.38	2	±1.3	3153
LK24-CC128-□□□-□□□WP	600	9000	1.14×10^{-2}	485000	0.38	2	±1.6	5480
LK24-CC148-□□□-□□□WP	800	8000	2.85×10^{-2}	620000	0.38	2	±1.8	9263

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为单个元件的实测值。
3.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of a single element.
3. The maximum speed does not consider dynamic balance.

LK24 系列 选项：适用键槽轴，键槽尺寸

LK24 Series Clamp Keyway Type(Single Plate Springs)



单位 (unit)：mm

键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK24 — CC □□ - □□□ - □□□ WP

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例：LK24-CC60K-20-24WP

LK24：系列号，材料为45#钢
CC60：外径尺寸：60mm夹紧螺丝固定
20：d1孔径为：20mm,孔公差为H8
24：d2孔径为：24mm,孔公差为H8
K：表示20,24两孔都加标准键槽
WP：双膜片

Example: LK24-CC60K-20K-24

LK24: Series NO, Material :45#steel
CC60: Outside Dia:60mm,Clamp Type
20: d1 Bore: 20mm,H8
24: d2 Bore:24mm,H8
K: 20,24 bore standard keyway
WP: Double plate springs

例：LK24-CC60-20K-24WP

LK24：系列号，材料为45#钢
CC60：外径尺寸：60mm夹紧螺丝固定
20：d1孔径为：20mm,孔公差为H8
24：d2孔径为：24mm,孔公差为H8
K：表示20端孔加标准键槽

Example: LK24-CC60-20K-24WP

LK24: Series NO, Material: 45#steel
CC60: Outside Dia:60mm,Clamp Type
20: d1 Bore: 20mm,H8
24: d2 Bore: 24mm,H8
K: 20 bore standard keyway

LK24 系列

LK24 Series

III.单节锥度联轴器(膜片联轴器)

III.Single Taper coupling(Single Plate Springs)

特点 Features

- 为一种带锥度联接的联轴器
- 刚性强,传递扭矩大
- Coupling with taper coupling
- High rigidity, large transmission torque.

选型举例: Ordering Information

LK24 — CC□ - □□□ - 11T

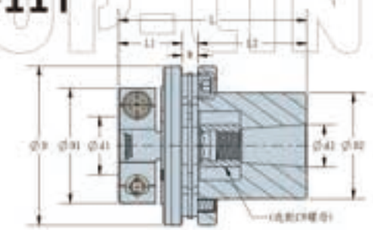
- d2 轴径:11mm,锥度1/10 / d2 Bore:11mm, Taper1/10
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 外径尺寸: Outside Dia
- 无标志:胀套固定方式 / NO sign:Locking Assemblies Coupling
- CC:双夹紧固定方式 / CC:Double Clamp Coupling

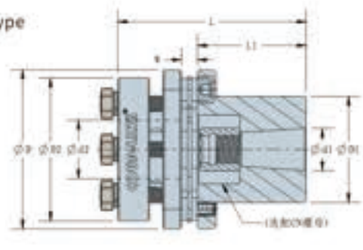
例:LK24-CC60-19-11T

LK24:系列号,材料为45#钢
CC60:外径尺寸:60mm,双夹紧螺丝固定
19:d1孔径为:19mm,孔公差为H8
11T:d2孔径为:11mm,锥度为1/10

Example: LK24-CC60-19-11T

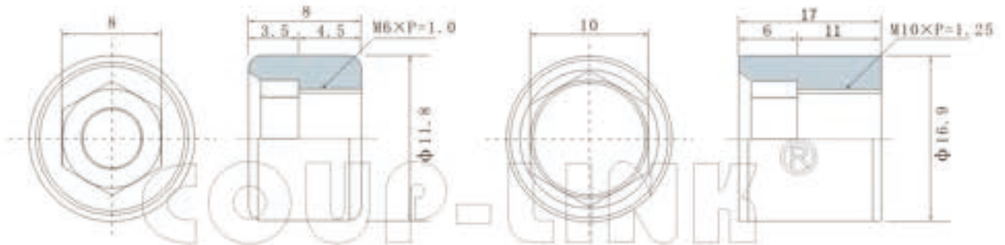
LK24: Series NO, material: 45# steel
CC60: Outside Diam:60mm, double clamp type
19: d1 bore: 19mm,H8
11T: d2 Bore: 11mm,Taper 1/10





CN螺母(另售)

CN螺母是联轴器的直轴侧本体与锥度侧本体直接固定锥度轴的特殊螺母。可以用内六角扳手紧固。
CN nuts are special nuts for connection parts which are used in the straight shaft and taper body Shaft of a coupling without disassembly .NC nuts can be tightened by hexagonal wrench



- Φ11锥度轴用 For Φ11 taper shaft
- Φ16锥度轴用 For Φ16 taper shaft

外型尺寸 Dimensions

单位(unit):mm

型号 Model	Φd1 孔径范围 Bore rang	Φd2	ΦD	ΦD1	L	E	W	L1	W1	T1	M	拧紧力矩 Tightening Torque (N.m)
LK24-CC60-□□□-11T	12≤d1≤22	Φ11 1/10锥度	60	44	53	31.5	6	23	4	12.2	M6	14-15
	22< d1≤28			48								
LK24-CC60-□□□-16T	12≤d1≤22	Φ16 1/10锥	60	44	71	31.5	6	41	5	17.3	M6	14-15
	22< d1≤28			48								
LK24-CC70-□□□-16T	18≤d1≤25	Φ16 1/10锥	70	47	73.3	38	7.3	41	5	17.3	M6	14-15
	25< d1≤35			56								

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK24-CC60-□□□-11T	60	18000	1.8×10^{-4}	105000	0.02	1	±0.3	690
LK24-CC60-□□□-16T	60	18000	2.3×10^{-4}	105000	0.02	1	±0.3	660
LK24-CC70-□□□-16T	100	18000	4.1×10^{-4}	245000	0.02	1	±0.5	836

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为单个元件的实测值。
3.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of a single element.
3. The maximum speed does not consider dynamic balance.

LK25 系列
LK25 Series

使用注意事项：
CAUTIONS:

1．请务必遵守偏心，偏角，轴向的允许公差。
2．螺栓类请务必以指定的转矩拧紧。
3．使用环境范围为-20°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
4．插入安装轴前，请勿拧紧夹紧螺栓或定位螺丝。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The use range is- 20°C- 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
4. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式：
INSTALLATION:

1.确认联轴器的夹紧螺栓，定位螺丝有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt and positioning screw of the coupling are loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a signifi cant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入联接轴。插入时，请勿在联轴器上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the coupling shaft. When inserting, do not apply too much compression and tensile force on the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在夹紧螺栓或定位螺丝处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的 简易 确认方法，如果无法使用同 样的 确认方法，请使用其他测量方法确认安装精度。
When the clamping bolt or positioning screw is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If the movement is not smooth, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.安装轴原则上为圆轴，当使用非圆轴时，请注意下图所示的安装位置。(请注意勿使键槽，D型切槽进入灰色部份一侧)，轴安装位置不当可能会造成联轴发生破损，轴夹持力下降。为获得令人满意的联轴器性能，我们建议使用圆轴。
In principle, the installation shaft is a circular shaft. When using a non-circular shaft, please pay attention to the installation position shown in the figure below. (please pay attention not to make the keyway, d-groove enter the gray part of the side). Improper installation position of the shaft may cause damage to the coupling and decrease the shaft clamping force. To obtain satisfactory coupling performance, we recommend the use of round shafts.

推荐安装方式：
RECOMMENDED INSTALLATION METHOD:

好的安装示例

请注意勿使用键槽、D型切口进入■填色部分一侧。

不推荐安装方式：
INSTALLATION IS NOT RECOMMENDED:

不好的安装示例

请注意勿使用键槽、D型切口进入■填色部分一侧。

5.确认轴向无压缩，拉伸等作用力后，请将夹紧螺栓或定位螺丝拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按参数表所列的紧固扭矩范围内进行拧紧。
After confirming that there is no compression, tension and other forces in the axial direction, please tighten the clamping bolt or positioning screw. When tightening the bolts, use a calibrated torque wrench and tighten according to the tightening torque range listed in the parameter table.

6.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti loose measure of clamping bolt, it is recommended to use correct tightening torque again for re tightening after a period of operation.

LK25 系列

LK25 Series

I.定位螺丝固定式(十字滑块联轴器)

I. Setscrew Type(oldham)

特点 Features

- 联轴器中间用十字滑块联接
- 容许大的径向和角向偏差
- 零回转间隙
- 高扭矩刚性和灵敏度
- 结构简单、抗油腐蚀
- 定位螺丝固定

- OLdham type flexibe coupling
- Allows high parallel and angular misalignments
- Zero backlash
- High torsional stiffness and response
- Simple configuration enable ease of assembly
- Setscrew type

选型举例: Ordering Information

LK25 — □□ - □□□ - □□□

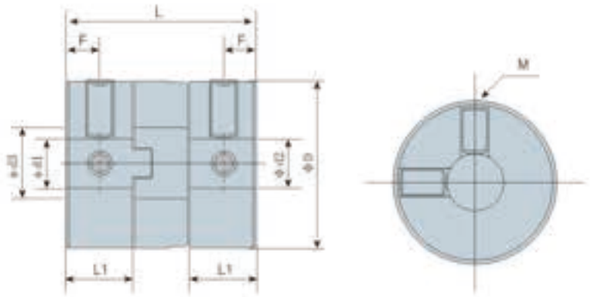
- 孔径公差: bore tolerance → 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance → 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- 无标志:标准型 Blank:Standard / K:带键槽 K:Keyway type
- 外径尺寸: Outside Dia

例: LK25-26-08-10

LK25: 系列号，材料为不锈钢
26: 外径尺寸: 26mm,定位螺丝固定
08: d1孔径为: 08mm, 孔公差为H8
10: d2孔径为: 10mm，孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK25-26-08-10

LK25: Series NO, Material: Stainless Steel
26: Outside Dia: 26mm, Setscrew Type
08: d1 Bore: 08mm,H8
10: d2 Bore: 10mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	L	Φd3	F	L1	M	拧紧力矩 Tightening Torque (N.m)
LK25-12-□□□-□□□	3	6	12	15	6.5	2.6	5.2	M2.5	0.5
LK25-15-□□□-□□□	3	8	15	17	6.5	2.8	5.6	M3	0.7
LK25-17-□□□-□□□	4	10	17	21	7	3.5	7	M3	0.7
LK25-20-□□□-□□□	5	12	20	22	10.5	3.5	7	M3	0.7
LK25-26-□□□-□□□	6	15	26	27	12.5	4.5	9	M4	1.9
LK25-30-□□□-□□□	8	18	30	34	14.5	6	12	M4	1.9
LK25-34-□□□-□□□	10	20	34	35	16.5	6.5	13	M5	3.7
LK25-38-□□□-□□□	10	22	38	41	20.5	7.5	15	M5	3.7
LK25-45-□□□-□□□	12	25	45	45	22.5	7.5	15	M5	3.7
LK25-55-□□□-□□□	15	30	55	51	25.5	8.5	17	M6	6.3
LK25-70-□□□-□□□	18	42	70	59	35.5	10	20	M8	15

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																											
	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42
LK25-12-□□□-□□□	•	•	•	•																								
LK25-15-□□□-□□□	•	•	•	•	•	•	•																					
LK25-17-□□□-□□□		•	•	•	•	•	•	•	•	•																		
LK25-20-□□□-□□□			•	•	•	•	•	•	•	•	•	•																
LK25-26-□□□-□□□				•	•	•	•	•	•	•	•	•	•	•														
LK25-30-□□□-□□□							•	•	•	•	•	•	•	•	•	•												
LK25-34-□□□-□□□										•	•	•	•	•	•	•	•	•										
LK25-38-□□□-□□□										•	•	•	•	•	•	•	•	•	•									
LK25-45-□□□-□□□												•	•	•	•	•	•	•	•	•	•							
LK25-55-□□□-□□□														•	•	•	•	•	•	•	•	•	•					
LK25-70-□□□-□□□																•	•	•	•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

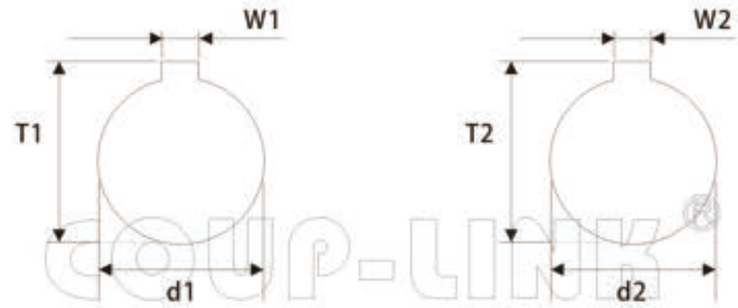
型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	重量 N.W. (g)
LK25-12-□□□-□□□	2.7	10000	2.2×10^{-7}	420	0.3	2	10
LK25-15-□□□-□□□	3.3	8000	5.9×10^{-7}	870	0.3	2	16
LK25-17-□□□-□□□	5.5	7000	1.2×10^{-6}	1300	0.3	2	24
LK25-20-□□□-□□□	7.7	6000	2.3×10^{-6}	1700	0.4	2	34
LK25-26-□□□-□□□	11	5000	8.4×10^{-6}	3200	0.5	2	74
LK25-30-□□□-□□□	26	5000	1.5×10^{-5}	4600	0.6	2	120
LK25-34-□□□-□□□	35	4000	3.2×10^{-5}	6000	0.7	2	162
LK25-38-□□□-□□□	55	4000	5.9×10^{-5}	7400	0.8	2	242
LK25-45-□□□-□□□	66	3000	1.3×10^{-4}	16000	1.0	2	386
LK25-55-□□□-□□□	99	2000	3.1×10^{-4}	30000	1.2	2	672
LK25-70-□□□-□□□	176	2000	8.1×10^{-4}	46000	1.4	2	1135

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为元件部份的测量值。
3.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK25 系列 LK25 Series

选项:定位螺丝加键槽固定,键槽尺寸
Setscrew Keyway Type



单位(unit):mm

键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64,4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

LK25 — □□ - □□□ - □□□ - □

- 孔径公差: bore tolerance → 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- 孔径公差: bore tolerance → 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径(小径): d1 Bore
- K键槽标志: Keyway
- 外径尺寸: Outside Dia

键槽说明：
两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK25-30K-10-14

LK25：系列号，材料为不锈钢
30：外径尺寸：30mm,定位螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽

Example: LK25-30K-10-14
LK25: Series NO, Material : Stainless Steel
30: Outside Dia:30mm,Setscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例:LK25-30-10K-14

LK25: 系列号，材料为不锈钢
30: 外径尺寸：30mm,定位螺丝固定
10: d1孔径为：10mm,孔公差为H8
14: d2孔径为：14mm,孔公差为H8
K: 表示10端孔加标准键槽

Example: LK25-30-10K-14
LK25: Series NO, Material : Stainless Steel
30: Outside Dia:30mm,Setscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway

LK25 系列 II.夹紧螺丝固定式(十字滑块联轴器)

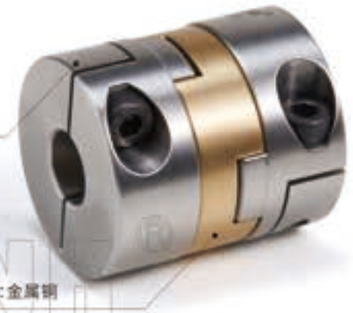
LK25 Series

II. Clamp Type(oldham)

特点 Features

- 联轴器中间用十字滑块联接
- 容许大的径向和角向偏差
- 零回转间隙
- 高扭矩刚性和灵敏度
- 结构简单、抗油腐蚀
- 夹紧螺丝固定

- Oldham type flexible coupling
- Allows high parallel and angular misalignments
- Zero backlash
- High torsional stiffness and response
- Simple configuration enable ease of assembly
- Clamp type



LK25-C15~LK25-C38
LK25-C45K~LK25-C70K

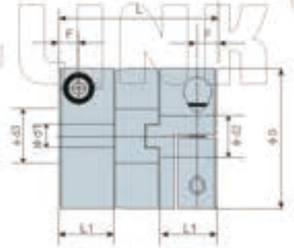
选型举例：Ordering Information

LK25 — C□□ - □□□ - □□□

- 孔径公差: bore tolerance → 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径(大径): d2 Bore
- d1轴径(小径): d1 Bore
- 无标志:标准型 / Blank : Standard
- K:带键槽 / K:Keyway type
- 外径尺寸: Outside Diam

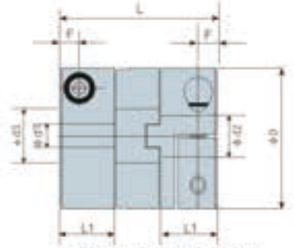
例:LK25-C30-10-14

LK25：系列号，材料为不锈钢
C30：外径尺寸：30mm,夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示



LK25-C15~LK25-C38

Example: LK25-C30-10-14
LK25: Series NO,Material: Stainless Steel
C30: Outside Dia:30mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



LK25-C45K~LK25-C70K

外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1·d2 最小孔径 Min·Bore	d1·d2 最大孔径 Max·Bore	ΦD	ΦD1	L	Φd3	F	L1	F1	M	拧紧力矩 Tightening Torque (N.m)
LK25-C15-□□□-□□□	3	6	15	17	19	6.5	2.7	6.6	5.0	M2	0.4-0.5
LK25-C17-□□□-□□□	4	6.35	17	18	25	7	3.1	9	5.5	M2.5	1.0-1.1
LK25-C20-□□□-□□□	5	10	20	23.5	28	10.5	4.0	10	7.25	M3	1.5-1.9
LK25-C26-□□□-□□□	6	12	26	29	32	12.5	4.7	11.5	9	M4	3.4-4.1
LK25-C30-□□□-□□□	8	14	30	32.5	34	14.5	4.7	12	11	M4	3.4-4.1
LK25-C34-□□□-□□□	10	16	34	35	35	16.5	5.0	13	12	M4	3.4-4.1
LK25-C38-□□□-□□□	10	20	38	40.5	41	20.5	5.6	15	14	M5	7.0-8.5
LK25-C45K-□□□-□□□	12	22	45	50.5	48	22.5	6.5	16.5	16.5	M6	14-15
LK25-C55K-□□□-□□□	15	25	55	60	59	25.5	7.8	21	20	M8	27-30
LK25-C70K-□□□-□□□	18	35	70	80	69	35.5	9.8	25	26	M10	55-60

说明:
1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。
2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																								
	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35
LK25-C15-□□□-□□□	•	•	•	•																					
LK25-C17-□□□-□□□		•	•	•	•																				
LK25-C20-□□□-□□□			•	•	•	•	•	•	•	•															
LK25-C26-□□□-□□□				•	•	•	•	•	•	•	•	•													
LK25-C30-□□□-□□□							•	•	•	•	•	•	•												
LK25-C34-□□□-□□□										•	•	•	•	•	•										
LK25-C38-□□□-□□□										•	•	•	•	•	•	•	•	•							
LK25-C45K-□□□-□□□												•	•	•	•	•	•	•	•						
LK25-C55K-□□□-□□□														•	•	•	•	•	•	•	•				
LK25-C70K-□□□-□□□																•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	重量 N.W. (g)
LK25-C15-□□□-□□□	3.3	8000	6.8×10^{-7}	870	0.3	2	20
LK25-C17-□□□-□□□	5.5	7000	1.5×10^{-6}	1300	0.3	2	34
LK25-C20-□□□-□□□	7.7	6000	3.0×10^{-6}	1700	0.4	2	47
LK25-C26-□□□-□□□	11	5000	1.0×10^{-5}	3200	0.5	2	96
LK25-C30-□□□-□□□	26	5000	1.9×10^{-5}	4600	0.6	2	134
LK25-C34-□□□-□□□	35	4000	3.2×10^{-5}	6000	0.7	2	179
LK25-C38-□□□-□□□	55	4000	5.7×10^{-5}	7400	0.8	2	247
LK25-C45K-□□□-□□□	66	3000	1.4×10^{-4}	16000	1.0	2	425
LK25-C55K-□□□-□□□	99	2000	3.7×10^{-4}	30000	1.2	2	815
LK25-C70K-□□□-□□□	176	2000	1.1×10^{-3}	46000	1.4	2	1448

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为元件部份的测量值。
3.最高转速未考虑动平衡。

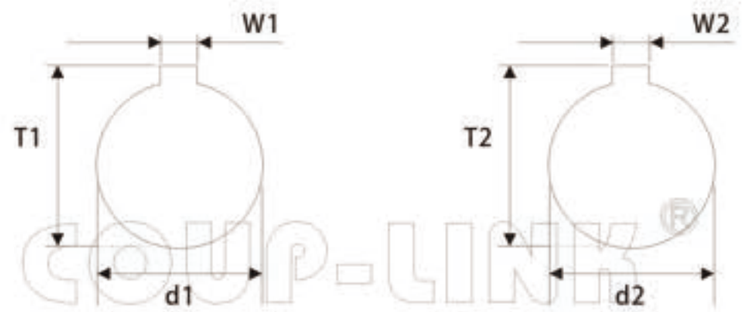
Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK25 系列

LK25 Series

夹紧螺丝加键槽固定，键槽尺寸

Clamp Keyway Type

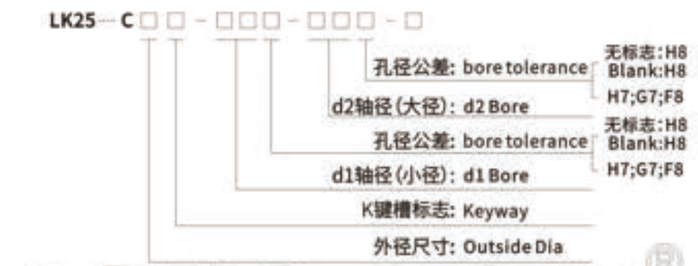


单位 (unit)：mm

键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 ϕd1 ϕd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information



键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are keyed, K is added after the outer diameter of the coupling.

When only one bore is keyed, K is added after the tolerance of the bore of the keyway.

No K is added after the front outer diameter. The non-standard keyway must provide keyway drawings.

例:LK25-C30K-10-14

LK25：系列号，材料为不锈钢

C30：外径尺寸：30mm,夹紧螺丝固定

10：d1孔径为：10mm,孔公差为H8

14：d2孔径为：14mm,孔公差为H8

K：表示10,14两孔都加标准键槽

Example:LK25-C30K-10-14

LK25: Series NO, Material : Stainless Steel

C30: Outside Dia:30mm,Clamp Type

10: d1 Bore: 10mm,H8

14: d2 Bore: 14mm,H8

K: 10,14 bore standard keyway

例:LK25-C30-10K-14

LK25: 系列号，材料为不锈钢

C30: 外径尺寸：30mm,夹紧螺丝固定

10: d1孔径为：10mm,孔公差为H8

14: d2孔径为：14mm,孔公差为H8

K: 表示10端孔加标准键槽

Example: LK25-C30-10K-14

LK25: Series NO, Material : Stainless Steel

C30: Outside Dia:30mm,Clamp Type

10: d1 Bore: 10mm,H8

14: d2 Bore: 14mm,H8

K: 10bore standard keyway

LK26 系列
LK26 Series

使用注意事项：
CAUTIONS:

1.请务必遵守偏心，偏角，轴向的允许公差。
2.螺栓类请务必以指定的扭矩拧紧。
3.联轴器左右内径的同心度通过使用专用设备实现高精度生产。万一联轴器受到强烈冲击时，可能会无法保持高精度而在使用中发生破损，请在操作过程中加以留意。
4.使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5.插入安装轴前，请勿拧紧加压螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of the left and right inner diameter of the coupling is achieved by using special equipment. Incase that the coupling is under strong impact, it may not be able to maintain high accuracy and be damaged in use, please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
5. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式：
INSTALLATION:

1.确认联轴器的压紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the compression bolt of the coupling is loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.

2.请将联轴器插入电动机轴和从动轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the motor shaft and driven shaft. When inserting, do not apply too much compression and tensile force on the elastic element of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在加压螺栓处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动，如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the compression bolt is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it cannot move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

4.调整好同轴度后，将加压螺栓按对角轻轻拧紧。
After the coaxiality is adjusted, tighten the pressure bolt slightly diagonally.

5.确认轴向无压缩，拉伸等作用力后，请将加压螺栓按对角顺序拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按技术参数表的拧紧扭矩拧紧。
After confirming that there is no compression, tension and other forces in the axial direction, please tighten the compression bolts in diagonal sequence. When tightening the bolt, use the calibrated torque wrench and tighten it according to the tightening torque in the technical parameter table.

LK26 系列
LK26 Series

I.单节胀套膜片联轴器
I.Locking Assemblies Coupling (Single Plate Springs)

特点 Features

- 利用胀套联接的膜片型联轴器
- 零回转间隙，拆装方便
- 高灵敏度，传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿角向和轴向偏差
- 常用于伺服电机、步进电机联接

主体：铁合金材料
Body: Steel

- Using locking assemblies connect plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end-play
- For servomotor、stepmotor connect

一体化膜片组
LK26-88~LK26-168

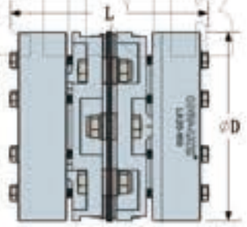
选型举例： Ordering Information

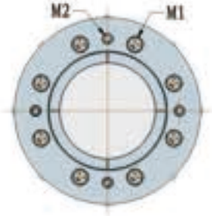
LK26 — □ - □□□ - □□□

- 孔径公差: bore tolerance — 无标志：H8 / Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志：H8 / Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia

例：LK26-80-20-24

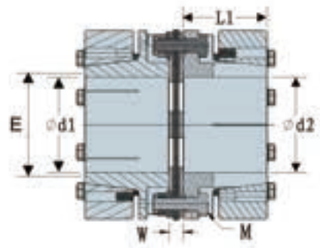
LK26：系列号，材料为45#钢
80：外径尺寸:80mm
20：d1孔径为:20mm,孔公差H8
24：d2孔径为:24mm,孔公差H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

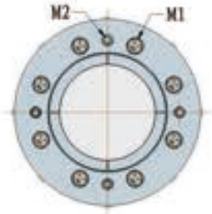




Example: LK26-80-20-24

LK26: Series NO, Material:45# steel
80: Outside Dia:80mm
20: d1 Bore:20mm, H8
24: d2 Bore:24mm, H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)





外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2		ΦD	L	L1	W	E	M	M1	M2	拧紧力矩 Tightening Torque (N.m)
	最小孔径 Min-Bore	最大孔径 Max-Bore									
LK26-88-□□□-□□□	14	30	88	101.6	40	10	33	M8	M8	M6	14-15
LK26-98-□□□-□□□	20	40	98	111.6	45	10	43	M8	M8	M6	14-15
LK26-108-□□□-□□□	25	45	108	121.6	50	10	48	M8	M8	M6	14-15
LK26-128-□□□-□□□	30	45	128	137	55	13	48	M8	M8	M6	14-15
LK26-148-□□□-□□□	35	55	148	147	60	13	58	M8	M8	M6	14-15
LK26-168-□□□-□□□	40	70	168	176.2	75	12	86	M8	M8	M6	14-15

说明:

1.对于上表以外的孔径,如需定货,可另行提供服务,请向本公司洽询。

2.对方安装轴公差为h7,h8级,如轴公差为其他公差,请提供公差要求由厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																						
	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70
LK26-88-□□□-□□□	•	•	•	•	•	•	•	•	•	•	•												
LK26-98-□□□-□□□						•	•	•	•	•	•	•	•	•	•								
LK26-108-□□□-□□□									•	•	•	•	•	•	•	•	•						
LK26-128-□□□-□□□											•	•	•	•	•	•	•						
LK26-148-□□□-□□□													•	•	•	•	•	•	•	•			
LK26-168-□□□-□□□															•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK26-88-□□□-□□□	190	13600	7.8×10^{-4}	145000	0.02	1	±0.5	790
LK26-98-□□□-□□□	290	11800	1.2×10^{-3}	280000	0.02	1	±0.5	1020
LK26-108-□□□-□□□	450	10000	2.9×10^{-3}	300000	0.02	1	±0.5	1710
LK26-128-□□□-□□□	720	8500	5.8×10^{-3}	750000	0.02	1	±0.5	2530
LK26-148-□□□-□□□	1000	7300	1.4×10^{-2}	1135000	0.02	1	±0.5	3920
LK26-168-□□□-□□□	1600	6200	2.7×10^{-2}	1920000	0.02	1	±0.6	6080

说明:

1.惯性力矩和重量按最大孔径计算。

1.扭转弹性为单个元件的数。

2.最高转速未考虑动平衡。

Note:

1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Number of Torsional Elasticity as a Single Element.
2. The maximum speed does not consider dynamic balance.

LK26 系列
LK26 Series

II.多节胀套膜片联轴器
II.Locking Assemblies Coupling(Double Plate Springs)

特点 Features

- 利用胀套联接的膜片型联轴器
- 零回转间隙，拆装方便
- 高灵敏度，传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于伺服电机、步进电机联接

主体：铁合金材料
Body:Steel

- Using locking assemblies connect plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb parallel, angular misalignments and shaft end-play
- For servomotor、stepmotor connect

一体化膜片组
LK26-88WP~LK26-168WP

选型举例： Ordering Information

LK26 — □ - □□□ - □□□WP

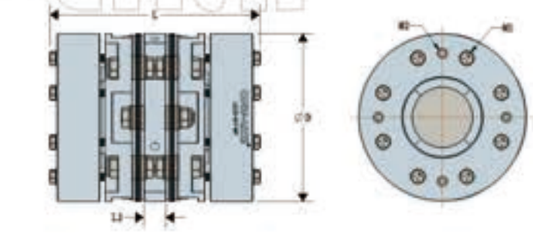
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia

例：LK26-88-19-20WP

LK26：系列号，材料为45#钢
88：外径尺寸:88mm
19：d1孔径为:19mm,孔公差H8
20：d2孔径为:20mm,孔公差H8
WP：双膜片
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK26-88-19-20WP

LK26: Series NO, Material:45# steel
88: Outside Dia:88mm
19: d1 Bore:19mm, H8
20: d2 Bore:20mm, H8
WP: double plate springs
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit)：mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	L	L1	L2	W	d3	E	M	M1	M2	拧紧力矩 Tightening Torque (N.m)
LK26-88-□□□-□□□WP	14	30	88	127.6	40	16	10	33	33	M8	M8	M6	14-15
LK26-98-□□□-□□□WP	20	40	98	137.6	45	16	10	43	43	M8	M8	M6	14-15
LK26-108-□□□-□□□WP	25	45	108	147.6	50	16	10	48	48	M8	M8	M6	14-15
LK26-128-□□□-□□□WP	30	45	128	168	55	18	13	48	48	M8	M8	M6	14-15
LK26-148-□□□-□□□WP	35	55	148	183	60	23	13	58	58	M8	M8	M6	14-15
LK26-168-□□□-□□□WP	40	70	168	210	75	22	12	86	86	M8	M8	M6	14-15

说明：
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，请提供公差要求由厂家定做。

Note:
1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

标准孔径 Standard Bore Diameter

单位 (unit)：mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2 (mm)																							
	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70
LK26-88-□□□-□□□WP	•	•	•	•	•	•	•	•	•	•	•												
LK26-98-□□□-□□□WP						•	•	•	•	•	•	•	•	•	•								
LK26-108-□□□-□□□WP									•	•	•	•	•	•	•	•	•						
LK26-128-□□□-□□□WP											•	•	•	•	•	•	•						
LK26-148-□□□-□□□WP													•	•	•	•	•	•	•				
LK26-168-□□□-□□□WP															•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit)：mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK26-88-□□□-□□□WP	190	10800	3.78×10^{-4}	145000	0.2	2	±1.0	950
LK26-98-□□□-□□□WP	290	9500	9.65×10^{-4}	280000	0.2	2	±1.0	1450
LK26-108-□□□-□□□WP	450	8500	1.36×10^{-3}	300000	0.2	2	±1.0	1680
LK26-128-□□□-□□□WP	720	6800	1.61×10^{-3}	750000	0.2	2	±1.0	1840
LK26-148-□□□-□□□WP	1000	5800	1.88×10^{-3}	1135000	0.2	2	±1.0	2090
LK26-168-□□□-□□□WP	1600	4900	2.82×10^{-3}	1920000	0.2	2	±1.0	2470

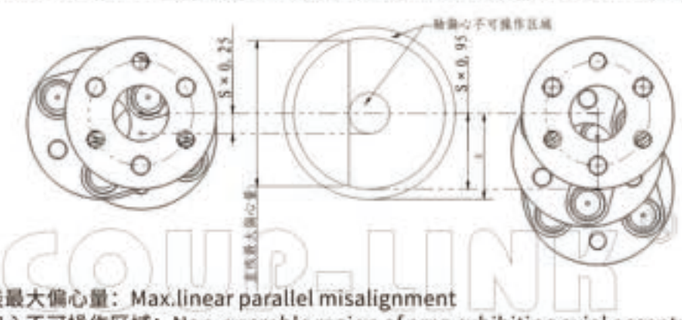
说明：
1.惯性力矩和重量按最大孔径计算。
1.扭转弹性为单个元件的数。
2.最高转速未考虑动平衡。

Note:
1. Moment of inertia and mass figures based on the maximum shaft bores.
2. Number of Torsional Elasticity as a Single Element.
2. The maximum speed does not consider dynamic balance.

LK27 系列
LK27 Series

使用注意事项：
CAUTIONS:

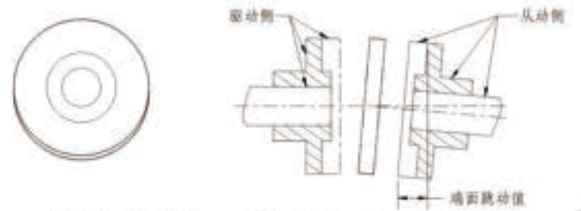
1. 请务必遵守偏心，偏角，轴向的允许公差。
   Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. 螺栓类请务必以指定的扭矩拧紧。
   Bolts must be tightened with specified torque.
3. 使用环境范围为-30°C～120°C。联轴器不具备耐水性和耐油性，请勿在室外使用。
   Couplings are designed for use within an operating temperature range of -30°C～120°C .This coupling is not waterproof and oil resistance.Do not use it outdoors.
4. 插入安装轴前，请勿拧紧夹紧螺栓或定位螺丝。
   Do not tighten the clamping bolt before inserting the installation shaft.
5. 各组件通过轴承连接，因此产品可自由转动，搬运时、安装时，请注意以免受伤，并注意不要在产品上施加过大的力。
   The discs are all connected by bearings and can move freely,so be alert to injury during transport and handle so that undue force is not applied to the product.
6. 使用中请确保两轴的偏心量在S×0.25（最小偏心量）至S×0.95（最大偏心量）的范围内安装使用。
   Use in a manner that results in the parallel misalignment of both shafts being in the range S×0.25 to S×0.95.



直线最大偏心量：Max.linear parallel misalignment
轴偏心不可操作区域：Non-operable region of area exhibiting axial eccentricity
轴偏心可操作区域：Operable region of area exhibiting axial eccentricity

型号 Model	偏心量Parallel misalignment（mm）		
	S×0.25（Min.）	S×0.95（Max.）	直线最大间隙Max.linear
LK27-70	9	34	65
LK27-92	18	66	128
LK27-120	23	85	165
LK27-148	23	85	165

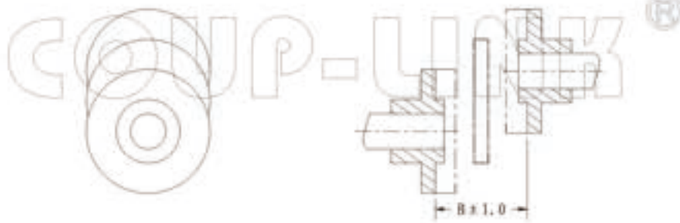
7. 请使驱动轴（电机轴）与从动轴保持平行。调节联轴器两轴的安装角度误差，使安装后及运转过程中联轴器的端面跳动低于各参数允许范围内，以使联轴器正常运转。如端面跳动超过允许值，联轴器会在极短的时间内发生破损。
   Make the driving shaft and driven shaft parallel.Adjust the mounting angle misalignment of the two coupling shafts so that the coupling surface deflection is at or below the values of the table below after mounting and during operation.If surface deflection exceeds the allowable value,the product will break down in a very short period of time.



驱动侧：End disc on the driving side
从动侧：End disc on the driven side
端面跳动：Surface deflection
端面跳动允许值:Allowable surface deflection

型号 Model	端面跳动允许值间隙Allowable surface deflection（mm）
LK27-70	0.15
LK27-92	0.15
LK27-120	0.20
LK27-148	0.20

8. 在设计和安装中，请确保联轴器安装时和使用的轴向长度在相对于标准尺寸B的±1mm以内。
   When mounting a coupling,design and mount it so that the axial length during use is standard dimension B±1mm.



9. 请设计成联轴器上不施加弯曲负载和推力负载，此外，请避免在垂直或斜向安装方式下使用联轴器。
   De sign the device so that no bending or thrust loads act on the coupling.Avoid using these couplings in applications that install them vertically or obliquely.
10. 请正确选用轴承润滑油脂、加润滑油脂量和加润滑油脂周期。
    Pl ease correctly select the bearing lubricating grease, the amount of lubricating grease and the period of lubricating grease.
11. 联轴器旋转组件请安装保护罩，安装时请注意不要使手、头发夹入盘与链杆之间。
    Mount a protective cover on the rotating part.Be careful not to pinch your hand between the discs and links when mounting.

LK27 系列 I.链杆式法兰联轴器

LK27 Series I. Flang Connection Coupling

主体:铁合金材料
Body:Steel

特点 Features

- 链杆式联轴器是一种利用链杆曲柄运动的不同轴心联接的联轴器
- 驱动侧的能量、转速、转矩均准确传递至从动侧
- 实现了旋转时大范围的轴平行移动
- 法兰联接

- Chain couplings use different shaft centers and the crank motion of a link.
- Reliably transmits the drive-side energy to the driven side together with rotation speed and torque.
- Can translate shafts over a wide range while rotating.
- Flange connection

选型举例： Ordering Information

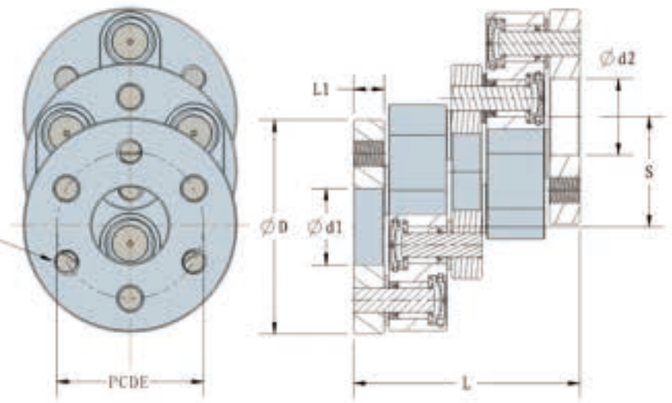
LK27 — □ F - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2孔径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1孔径(小径): d1 Bore
- F法兰联接:Flange connection
- 外径尺寸: Outside Dia

例:LK27-70F-20-24

LK27：系列号，材料为45#钢
70F：外径尺寸:70mm,法兰联接
20：d1孔径为:20mm,孔公差H8
24：d2孔径为:24mm,孔公差H8
孔径公称请按照d1(小径)-d2(大径)的顺序标示

Example: LK27-70F-20-24
LK:27: Series No, Material: 45# Steel
70F: Outside Diam: 70mm, Flange Type
20: d1 Bore: 20mm,H8
24: d2 Bore: 24mm,H8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit): mm

型号 Model	d1·d2 最小孔径 Min-Bore	d1·d2 最大孔径 Max-Bore	ΦD	L	L1	S	PCDE	M
LK27-70F-□□□-□□□	14	25	70	74	10	36	48	3—M8
LK27-92F-□□□-□□□	20	45	92	74	10	70	70	3—M10
LK27-120F-□□□-□□□	35	50	120	101	15	90	90	3—M12
LK27-148F-□□□-□□□	35	55	148	128	20	100	110	3—M16

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。

Note:
1. For other bores not listed above, if you need to order, you can provide additional services. please contact our company.
2. The tolerance of installation axle is h7 and h8. If the axle tolerance is other tolerance, it should be customized to the manufacturer.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																			
	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55
LK27-70F-□□□-□□□	•	•	•	•	•	•	•	•	•				•	•	•	•	•			
LK27-92F-□□□-□□□						•	•	•	•	•	•	•	•	•	•	•	•			
LK27-120F-□□□-□□□													•	•	•	•	•	•	•	
LK27-148F-□□□-□□□													•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	链杆数量 (个数×组)	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	偏心量最小 (mm) S×0.25	偏心量最大 (mm) S×0.95	轴承基本负载 (N)	重量 N.W. (g)
LK27-70F-□□□-□□□	3×2	49	3000	7.61×10^{-4}	9	34	3870	1340
LK27-92F-□□□-□□□	3×2	68	2500	1.84×10^{-3}	18	66	3870	2070
LK27-120F-□□□-□□□	3×2	196	2500	1.16×10^{-2}	23	85	8920	5050
LK27-148F-□□□-□□□	3×2	350	1800	2.51×10^{-2}	25	95	14120	10900

说明:
1.惯性力矩和重量按最大孔径计算。
2.选择链杆联轴器时，务必考虑轴承寿命时间
3.最高转速未考虑动平衡。

Note:
1.Moment of inertia and mass figures based on the maximum shaft bores
2. Torque rigidity is the measured value of component part
3. The maximum speed does not consider dynamic balance.

LK27 系列 II.链杆式胀紧套联轴器

LK27 Series II. Locking Assemblies Coupling

特点 Features

- 链杆式联轴器是一种利用链杆曲柄运动的不同轴心联接的联轴器
- 驱动侧的能量、转速、转矩均准确传递至从动侧
- 实现了旋转时大范围的轴平行移动
- 法兰联接

- Chain couplings use different shaft centers and the crank motion of a link.
- Reliably transmits the drive-side energy to the driven side together with rotation speed and torque.
- Can translate shafts over a wide range while rotating.
- Flange connection

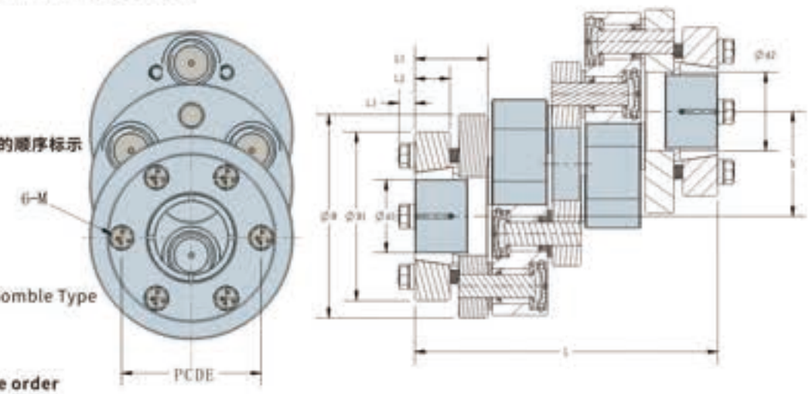
选型举例：Ordering Information

LK27 — □ A - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2孔径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1孔径(小径): d1 Bore
- A胀套式: Locking Assemble Type
- 外径尺寸: Outside Dia

例：LK27-70A-22H7-25F8

LK27：系列号，材料为45#钢
70A：外径尺寸：70mm，胀套式联接
22：d1孔径为：22mm，公差为H7
25：d2孔径为：25mm,公差为F8
孔径公称请按照d1（小径）- d2（大径）的顺序标示



Example: LK27-70A-22H7-25F8

LK27:Series NO,Material: 45# Steel
70:Outside Diam:70mm,Locking Assomble Type
22: d1 Bore: 22mm,H7
25: d2 Bore: 25mm,F8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	ΦD1	L	L1	L2	L3	S	PCDE	M
LK27-70A-□□□-□□□	14	25	70	58	104	25	15	≤8	36	48	6-M5
LK27-92A-□□□-□□□	20	35	92	72	104	25	15	≤10	70	70	6-M6
LK27-120A-□□□-□□□	35	60	120	108	143	36	21	≤15	90	90	6-M8
LK27-148A-□□□-□□□	35	75	148	128	188	50	30	≤20	110	110	6-M10

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。

Note:
1. For other bores not listed above, if you need to order, you can provide additional services. please contact our company.
2. The tolerance of installation axle is h7 and h8. If the axle tolerance is other tolerance, it should be customized to the manufacturer.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																							
	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75
LK27-70A-□□□-□□□	•	•	•	•	•	•	•	•	•															
LK27-92A-□□□-□□□						•	•	•	•	•	•	•	•											
LK27-120A-□□□-□□□													•	•	•	•	•	•	•	•	•			
LK27-148A-□□□-□□□													•	•	•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	链杆数量(个数×组)	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	偏心量最小(mm) S×0.25	偏心量最大(mm) S×0.95	轴承基本负载(N)	重量 N.W.(g)
LK27-70A-□□□-□□□	3×2	49	3000	1.03×10^{-3}	9	34	3870	1780
LK27-92A-□□□-□□□	3×2	68	2500	2.51×10^{-3}	18	66	3870	2830
LK27-120A-□□□-□□□	3×2	196	2500	1.20×10^{-2}	23	85	8920	7280
LK27-148A-□□□-□□□	3×2	350	1800	3.65×10^{-2}	25	95	14120	14200

说明:
1.惯性力矩和重量按最大孔径计算。
2.选择链杆联轴器时，务必考虑轴承寿命时间
3.最高转速未考虑动平衡。

Note:
1.Moment of inertia and mass figures based on the maximum shaft bores
2. Torque rigidity is the measured value of component part
3. The maximum speed does not consider dynamic balance.

LK27 系列

LK27 Series

III.链杆式键槽联轴器

III. Keyway Connection Coupling

主体:铁合金材料

Body:Steel

特点 Features

- 链杆式联轴器是一种利用链杆曲柄运动的不同轴心联接的联轴器
- 驱动侧的能量、转速、转矩均准确传递至从动侧
- 实现了旋转时大范围的轴平行移动
- 法兰联接

- Chain couplings use different shaft centers and the crank motion of a link.
- Reliably transmits the drive-side energy to the driven side together with rotation speed and torque.
- Can translate shafts over a wide range while rotating.
- Flange connection

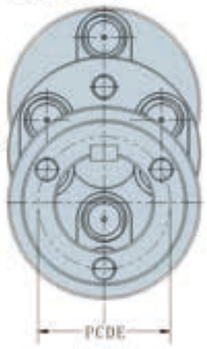
选型举例： Ordering Information

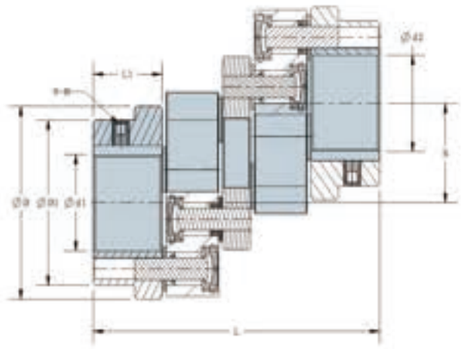
LK27 — □ K - □□□ - □□□

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2孔径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1孔径(小径): d1 Bore
- K键槽: Keyway type
- 外径尺寸: Outside Dia

例：LK27-70K-22H7-25F8

LK27：系列号，材料为45#钢
70K：外径尺寸：70mm，键槽式联接
22：d1孔径为：22mm，公差为H7
25：d2孔径为：25mm,公差为F8
孔径公称请按照d1（小径）- d2（大径）的顺序标示





Example: LK27-70K-22H7-25F8

LK27:Series NO,Material: 45# Steel
70K:Outside Diam:70mm,Keyway Type
22: d1 Bore: 22mm,H7
25: d2 Bore: 25mm,F8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

外型尺寸 Dimensions

单位(unit):mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	ΦD1	L	L1	S	PCDE	M
LK27-70K-□□□-□□□	18	25	70	60	104	25	36	48	M5
LK27-92K-□□□-□□□	20	35	92	58	104	25	70	70	M6
LK27-120K-□□□-□□□	24	50	120	76	141	35	90	90	M8
LK27-148K-□□□-□□□	30	60	148	92	188	50	110	110	M10

说明:

1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。

Note:

1. For other bores not listed above, if you need to order, you can provide additional services. please contact our company.
2. The tolerance of installation axle is h7 and h8. If the axle tolerance is other tolerance, it should be customized to the manufacturer.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																
	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60
LK27-70K-□□□-□□□	•	•	•	•	•	•												
LK27-92K-□□□-□□□			•	•	•	•	•	•	•	•								
LK27-120K-□□□-□□□					•	•	•	•	•	•	•	•	•	•	•	•		
LK27-148K-□□□-□□□								•	•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	链杆数量(个数×组)	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	偏心量最小(mm) S×0.25	偏心量最大(mm) S×0.95	轴承基本负载(N)	重量 N.W.(g)
LK27-70K-□□□-□□□	3×2	49	3000	1.02×10^{-4}	9	34	3870	1670
LK27-92K-□□□-□□□	3×2	68	2500	2.23×10^{-4}	18	66	3870	2600
LK27-120K-□□□-□□□	3×2	196	2500	9.59×10^{-4}	23	85	8920	6430
LK27-148K-□□□-□□□	3×2	350	1800	2.95×10^{-3}	25	95	14120	12730

说明:

1.惯性力矩和重量按最大孔径计算。
2.选择链杆联轴器时，务必考虑轴承寿命时间
3.最高转速未考虑动平衡。

Note:

1.Moment of inertia and mass figures based on the maximum shaft bores
2. Torque rigidity is the measured value of component part
3. The maximum speed does not consider dynamic balance.

COUP-LINK® 联轴器

LK28 系列

LK28 Series

使用注意事项：
CAUTIONS:

1. 请务必遵守偏心，偏角，轴向的允许公差。
2. 螺栓类请务必以指定的转矩拧紧。
3. 联轴器左右内径的同心度通过使用专用夹具实现高精度组装。万一联轴器受到强冲击时，可能会无法保持组装精度而在使用中发生破损，请在操作过程中加以留意。
4. 使用环境范围为-30°C-120°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
5. 弹性元件由薄薄的不锈钢膜片组成，使用时注意避免划伤。
6. 插入安装轴前，请勿拧紧加压螺栓。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The concentricity of left and right inner diameters of the coupling is achieved by using special equip ment.In case that the coupling is under strong impact,it may not be able to maintain high accuracy and be damgaed in use,please pay attention to it during operation.
4. The use range is - 30°C - 120°C. Despite water and oil resistance, extreme adhesion canalso lead to deterioration of the product,avoid this kind of situation.
5. Plate springs consist of thin stainless steel diaphragms,when using, careshould be taken to avoid scratches.
6. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式：
INSTALLATION:

1. 确认联轴器的压紧螺栓有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
   Confirm whether the clamping bolt of the coupling is loose, and remove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impact on the friction coefficient of the coupling must not have adhesion.
2. 对好键槽，请将联轴器插入电动机轴和从动轴。插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
   For proper keyway,please insert the coupling into the motor shaft and driven shaft. When inserting, do not apply too much compression and tensile force on the elastic of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.
3. 在夹紧螺栓或定位螺丝处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
   When the clamping bolt or positioning screw is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If it can not move smoothly, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.
4. 调整好同轴度后，将键槽上面的加压螺栓拧紧。
   After the coaxiality is adjusted, tighten the pressure bolt slightly diagonally

COUP-LINK® 联轴器

LK28 系列

LK28 Series

长跨距膜片联轴器（中间炭纤维连接管）

Long span coupling (Carbon Fiber Tube)

特点 Features

- 用键槽或者胀紧套联接的膜片型联轴器
- 零回转间隙,拆装方便
- 高灵敏度，传递力矩大
- 顺时针与逆时针回转特性完全相同
- 不锈钢膜片补偿径向、角向和轴向偏差
- 常用于长跨距的精密传动
- 质量轻，韧性好、噪音小、振动小
- Using keyway or locking assemblies connect,plate springs coupling
- Zero backlash
- Excellent response and high torque capacity
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb parallel,angular misalignments and shaft end-play
- Using in long span drive
- Light weight, good toughness, low noise and vibration

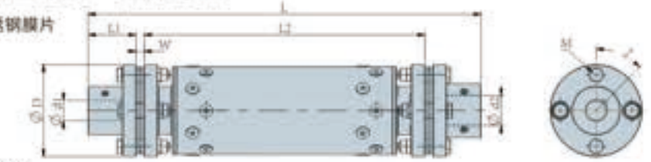
选型举例： Ordering Information

LK28 —□□-□□□-□□□WP-□□

- 联轴器总长度（可定做） Length(can changa according to customer)
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia — K:键槽联接 Keyway Type / A:胀套联接 Locking Assemble Type

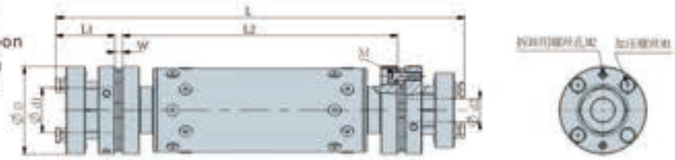
例：LK28-68K-15-22WP-L291

LK28：系列号，材料为45＃钢、碳纤维管、不锈钢膜片
68K：外径尺寸：68mm,键槽联接
15：d1孔径为：15mm, 公差为H8
22：d2孔径为：22mm，公差为H8
L291:长度：291mm
孔径公称请按照d1（小径）- d2（大径）的顺序标示



Example: LK28-68K-15-22WP-L291

LK28: Series No, Material：45 # steel, carbon fiber tube, stainless steel diaphragm
68K: Outside Diam: 68mm, Keyway Type
15: d1 Bore: 15mm,H8
22: d2 Bore: 20mm,H8
L291:Length：291mm
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位 (unit): mm

型号 Model	d1 · d2 最小孔径 Min-Bore	d1 · d2 最大孔径 Max-Bore	ΦD	L	L1	L2	w	M	拧紧力矩 Tightening Torque (N.m)
LK28-68K-□□□-□□□WP-□□	15	22	68	291 1000 1300	35.5	208 917 1217	6	M6	14-15
LK28-68A-□□□-□□□WP-□□	18	35	68	318 1000 1300	46	214 896 1196	6	M6	14-15
LK28-82K-□□□-□□□WP-□□	15	30	82	305.2 1000 1300	37.5	214 908.8 1208.8	8.1	M8	14-15
LK28-82A-□□□-□□□WP-□□	20	35	82	331 1000 1300	47.4	220 889 1189	8.1	M8	14-15
LK28-94K-□□□-□□□WP-□□	16	38	94	324.2 1000 1300	44.5	218 893.8 1193.8	8.6	M8	14-15
LK28-94A-□□□-□□□WP-□□	28	45	94	345 1000 1300	53.4	220 875 1175	8.6	M8	14-15
LK28-104K-□□□-□□□WP-□□	18	42	104	309.8 1000 1300	51	188 878.2 1178.2	9.9	M8	14-15
LK28-104A-□□□-□□□WP-□□	28	50	104	363 1000 1300	61.6	220 857 1157	9.9	M8	14-15
LK28-126K-□□□-□□□WP-□□	20	48	126	345 1000 1300	64	192 847 1147	12.5	M10	27-30
LK28-126A-□□□-□□□WP-□□	38	65	126	398 1000 1300	76.5	220 822 1122	12.5	M10	27-30
LK28-144K-□□□-□□□WP-□□	28	55	144	462 1000 1300	70	296 834 1134	13	M12	27-30
LK28-144A-□□□-□□□WP-□□	40	75	144	488 1000 1300	83	296 808 1108	13	M12	27-30
LK28-178K-□□□-□□□WP-□□	48	80	178	517 1000 1300	70	341 824 1124	18	M12	27-30
LK28-178A-□□□-□□□WP-□□	55	80	178	547 1000 1300	85	341 794 1094	18	M12	27-30

说明:

1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。

2.对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。

Note:

1. For other bore sizes which are not listed above, customized ones are availble,please consult us.
2. The tolerance of installation axle is h7 and h8. If the axle tolerance is other tolerance, it should be customized to the manufacturer.

标准孔径 Standard Bore Diameter

单位 (unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																									
	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75	76	80
LK28-68K-□□□-□□□WP-□□	•	•	•	•	•	•																			
LK28-68A-□□□-□□□WP-□□			•	•	•	•	•	•	•	•	•	•													
LK28-82K-□□□-□□□WP-□□	•	•	•	•	•	•	•	•	•	•															
LK28-82A-□□□-□□□WP-□□					•	•	•	•	•	•	•	•													
LK28-94K-□□□-□□□WP-□□		•	•	•	•	•	•	•	•	•	•	•	•												
LK28-94A-□□□-□□□WP-□□									•	•	•	•	•	•	•	•									
LK28-104K-□□□-□□□WP-□□			•	•	•	•	•	•	•	•	•	•	•	•	•										
LK28-104A-□□□-□□□WP-□□									•	•	•	•	•	•	•	•	•	•							
LK28-126K-□□□-□□□WP-□□					•	•	•	•	•	•	•	•	•	•	•	•	•								
LK28-126A-□□□-□□□WP-□□													•	•	•	•	•	•	•	•	•				
LK28-144K-□□□-□□□WP-□□									•	•	•	•	•	•	•	•	•	•	•						
LK28-144A-□□□-□□□WP-□□														•	•	•	•	•	•	•	•	•	•		
LK28-178K-□□□-□□□WP-□□																	•	•	•	•	•	•	•	•	•
LK28-178A-□□□-□□□WP-□□																			•	•	•	•	•	•	•

技术参数 Specifications

单位 (unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	重量 N.W. (g)
LK28-68K-□□□-□□□WP-□□	55	9000	1.5×10^{-3}	19000	0.25	1.5	640
LK28-68A-□□□-□□□WP-□□	55	9000	1.9×10^{-3}	19200	0.25	1.5	980
LK28-82K-□□□-□□□WP-□□	80	8000	2.6×10^{-3}	58000	0.3	1.5	1250
LK28-82A-□□□-□□□WP-□□	80	8000	3.2×10^{-3}	59000	0.3	1.5	1180
LK28-94K-□□□-□□□WP-□□	170	6500	4.5×10^{-3}	117000	0.32	1.5	1520
LK28-94A-□□□-□□□WP-□□	170	6500	5.6×10^{-3}	119000	0.32	1.5	1640
LK28-104K-□□□-□□□WP-□□	240	6000	7.2×10^{-3}	172000	0.38	1.5	2460
LK28-104A-□□□-□□□WP-□□	240	6000	8.8×10^{-3}	174000	0.38	1.5	1930
LK28-126K-□□□-□□□WP-□□	420	5800	1.8×10^{-2}	51500	0.38	1.5	3170
LK28-126A-□□□-□□□WP-□□	420	5800	2.0×10^{-2}	310000	0.38	1.5	4270
LK28-144K-□□□-□□□WP-□□	700	5100	3.4×10^{-2}	525000	0.44	1.5	5960
LK28-144A-□□□-□□□WP-□□	700	5100	3.6×10^{-2}	530000	0.44	1.5	6000
LK28-178K-□□□-□□□WP-□□	1300	5000	9.1×10^{-2}	1420000	0.6	1.5	8580
LK28-178A-□□□-□□□WP-□□	1300	5000	9.1×10^{-2}	1420000	0.6	1.5	8580

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为元件部份的测量值
3.最高转速未考虑动平衡。

Note:
1.Moment of inertia and mass figures based on the maximum shaft bores.
2. Torque rigidity is the measured value of component part.
3. The maximum speed does not consider dynamic balance.

LK29 系列
LK29 Series

金属螺旋弹簧联轴器（定位螺丝固定式）
Spring Coupling(Setscrew Type)

特点 Features

- 容许最大8°的角向偏差
- 高扭矩刚性
- 定位螺丝固定
- Allow max angular misalignment 8°
- High torque, high stiffness
- Setscrew type

主体：锌合金材料
Body:Stainless Steel

选型举例： Ordering Information

LK29 —□-□□□-□□□

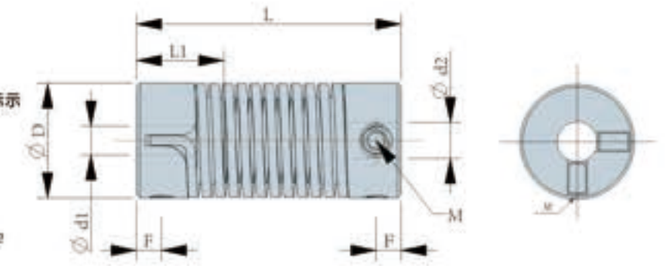
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2轴径（大径）: d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1轴径（小径）: d1 Bore
- 外径尺寸: Outside Dia

例：LK29-16-04H7-05F8

LK29：系列号，材料为锌合金
16：外径尺寸：16mm,定位螺丝固定
04：d1孔径为：4mm, 公差为H7
05：d2孔径为：5mm，公差为F8
孔径公称请按照d1（小径）- d2（大径）的顺序标示

Example: LK29-16-04H7-05F8

LK29: Series No, Material: Kirsite
16: Outside Diameter: 16mm, Setscrew Type
04: d1 Bore: 4mm,H7
05: d2 Bore: 5mm,F8
Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit): mm

型号 Model	d1·d2 最小孔径 Min·Bore	d1·d2 最大孔径 Max·Bore	ΦD	L	F	L1	M	拧紧力矩 Tightening Torque (N.m)
LK29-16-□□□-□□□	4	8	16	35	3.5	12.5	M4	1.9
LK29-26-□□□-□□□	7	14	26	50	4.5	17	M5	3.7

说明:

1. 对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2. 对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。

Note:

1. Please contact us for the bore size that is out of the standard scope.
2. Our standard bore size can support relative shaft tolerance at h7 or h8, if your shaft tolerance is not in the scope, please contact us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)											
	4	5	6	6.35	7	8	9	9.525	10	11	12	14
LK29-16-□□□-□□□	•	•	•	•	•	•						
LK29-26-□□□-□□□			•	•	•	•	•	•	•	•	•	•

※标准孔加工产品不带键槽。如需加工键槽，请向本公司洽询。

※ If you're using a keyed shaft, please contact us for the keyway.

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	转动惯量 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	重量 N.W. (g)
LK29-16-□□□-□□□	0.5	3000	1.30×10^{-4}	0.48	1	8	112
LK29-26-□□□-□□□	1.5	3000	1.25×10^{-3}	1.70	1.2	8	32

说明:

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为元件部份的测量值

3.最高转速未考虑动平衡。

Note:

1. Moment of inertia and unit N.W. are based on the maximum bore size
2. Torsional stiffness values are based on the values of the elements only.
3. Max. rotation speed does not take dynamic balance into account.

LK30 系列 I.单夹紧胀紧式联接梅花联轴器

LK30 Series I. Clamp,Locking Assemblies Type

特点 Features

- 零回转间隙
- 嵌入式结构为胀紧型支持轴孔连接
- 短型设计，节省空间
- 电气绝缘
- 安装便利
- 自定心功能
- 单夹紧螺丝固定
- 连接同步轮、齿轮、链轮和中空轴等等
- Backlash-free
- With expansion hub for shaft and hollow shaft connections
- Short design
- Electric insulation
- Quick assembly
- Good concentricity
- Self-centering clamping connection
- Clamping screw mounting
- Solution for connection of hollow shaft, chain wheel, synchro wheel, gear wheel etc.

选型举例： Ordering Information

LK30 — C□□-□□□-D□□□-□

- 弹性体: Curved Jaw
  - Y:黄色,SH A 90硬度
  - R:红色,SH A 98硬度
  - G:绿色,SH D64硬度
- 轴径公差: Shaft tolerance
  - 无标志:h8
  - Blank:h8
  - h7;g7;f8
- D2轴径(大径): D2 Shaft
- 孔径公差: bore tolerance
  - 无标志:H8
  - Blank:H8
  - H7;G7;F8
- d1孔径(小径): d1 Bore
- 无标志:标准型
  Blank:Standard
- 外径尺寸: Outside Dia
  - S:短型
    S:Short type

例:LK30-C25-08H7-D10-Y

LK30: 系列号:铝合金

C25: 外径尺寸: 25mm,夹紧螺丝固定式

08: d1孔径为: 8mm, 公差为H7

10: D2轴径为: 10mm，公差为h8

Y: 弹性体为黄色，SHA90硬度

孔径公称请按照d1（孔径-D2轴径）标示

Example: LK30-C25-08H7-D10-Y

LK30: Series No., Material: Aluminum Alloy

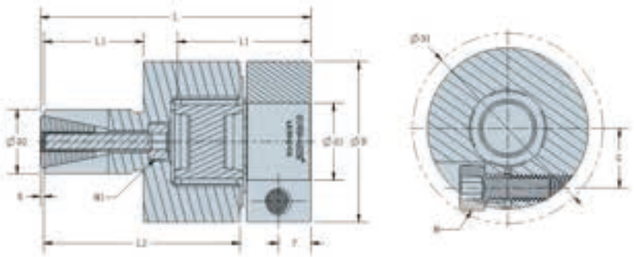
C25: Outside Diameter: 25mm,Clamp Type

08: d1 Bore: 8mm,H7

10: D2 Shaft: 10mm,h8

Y: yellow,SHA90

Please mark the bore diameter in the order of d1 (Bore) - D2 (shaft)



外型尺寸 Dimensions

单位 (unit): mm

型号 Model	d1孔径范围 Bore	D2轴径范围 Shaft	ΦD	ΦD1	L	L1	L2	L3	F	S	G	M1	M	拧紧力矩 Tightening Torque (N.m)
LK30-C25-□□□-D□□□-Y	6~12	10~12	25	29.5	42	20.7	30.5	15.5	5	0.5	9.25	M3	M4	3.4~4.1
LK30-C30S-□□□-D□□□-Y	8~14	10~12	30	32.5	43	22.0	30.1	15.5	5.6	0.5	11.0	M4	M4	3.4~4.1
LK30-C30-□□□-D□□□-Y	8~14	10~12	30	32.5	48	27.0	30.1	15.5	5.3	0.5	11.0	M4	M4	3.4~4.1
LK30-C40S-□□□-D□□□-Y	12~24	16~20	40	45.5	63.5	35.5	41.5	21.0	6.5	0.5	15.5	M6	M5	7.0~8.5
LK30-C40-□□□-D□□□-Y	12~24	16~20	40	45.5	69.0	39.0	41.5	21.0	6.5	0.5	15.5	M6	M5	7.0~8.5
LK30-C55-□□□-D□□□-Y	16~26	22~26	55	57.0	86.5	45.65	53.65	31.0	11	0.5	20.75	M8	M6	14~15
LK30-C65-□□□-D□□□-Y	20~38	30~38	65	72.0	99.5	52.75	61.75	37.0	12	0.5	25.75	M10	M8	27~30
LK30-C25-□□□-D□□□-R	6~12	10~12	25	29.5	42	20.7	30.5	15.5	5	0.5	9.25	M3	M4	3.4~4.1
LK30-C30S-□□□-D□□□-R	8~14	10~12	30	32.5	43	22.0	30.1	15.5	5.6	0.5	11.0	M4	M4	3.4~4.1
LK30-C30-□□□-D□□□-R	8~14	10~12	30	32.5	48	27.0	30.1	15.5	5.3	0.5	11.0	M4	M4	3.4~4.1
LK30-C40S-□□□-D□□□-R	12~22	16~20	40	45.5	63.5	33.5	41.5	21.0	6.5	0.5	15.5	M6	M5	7.0~8.5
LK30-C40-□□□-D□□□-R	12~22	16~20	40	45.5	69.0	39.0	41.5	21.0	6.5	0.5	15.5	M6	M5	7.0~8.5
LK30-C55-□□□-D□□□-R	16~26	22~26	55	57.0	86.5	45.65	53.65	31.0	11	0.5	20.75	M8	M6	14~15
LK30-C65-□□□-D□□□-R	20~38	30~38	65	72.0	99.5	52.75	61.75	37.0	12	0.5	25.75	M10	M8	27~30
LK30-C55-□□□-D□□□-G	16~26	22~26	55	57.0	86.5	45.65	53.65	31.0	11	0.5	20.75	M8	M6	14~15
LK30-C65-□□□-D□□□-G	20~38	30~38	65	72.0	99.5	52.75	61.75	37.0	12	0.5	25.75	M10	M8	27~30

说明:

1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。

2.对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。

3.拧紧力矩为“M”值。

Note:

1. Please contact us for the bore size that is out of the standard scope.
2. Our standard bore size can support relative shaft tolerance at h7 or h8, if your shaft tolerance is not in the scope, please contact us.
3. Please note the wrench torque is for clamping screw "M".

标准孔径 Standard Bore Diameter

单位 (unit): mm

型号 Model	标准孔径 Standard Bore Diameter · d1(mm)																								
	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	24	25	26	28	30	32	35	38
LK30-C25-d1	•	•	•	•	•	•	•	•	•															
LK30-C30S-d1				•	•	•	•	•	•	•														
LK30-C30-d1				•	•	•	•	•	•	•														
LK30-C40S-d1									•	•	•	•	•	•	•	•	•							
LK30-C40-d1									•	•	•	•	•	•	•	•	•							
LK30-C55-d1												•	•	•	•	•	•	•	•					
LK30-C65-d1															•	•	•	•	•	•	•	•	•	•

型号 Model	标准轴径 Standard Shaft Diameter · D2 (mm)															
	10	11	12	14	15	16	18	19	20	22	25	26	28	30	32	35	38
LK30-C25-D2	•	•	•														
LK30-C30S-D2	•	•	•														
LK30-C30-D2	•	•	•														
LK30-C40S-D2						•	•	•	•								
LK30-C40-D2						•	•	•	•								
LK30-C55-D2										•	•	•					
LK30-C65-D2													•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭转刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK30-C25-□□□-D□□□-Y	5.0	15200	2.44×10^{-4}	65	0.14	1	0~+0.9	32.9
LK30-C30S-□□□-D□□□-Y	7.5	12700	4.67×10^{-4}	73	0.15	1	0~+1.0	41.9
LK30-C30-□□□-D□□□-Y	7.5	12700	5.68×10^{-4}	73	0.15	1	0~+1.0	49.5
LK30-C40S-□□□-D□□□-Y	12	9550	2.45×10^{-3}	570	0.1	1	0~+1.2	124.4
LK30-C40-□□□-D□□□-Y	12	9550	2.80×10^{-3}	570	0.1	1	0~+1.2	137.6
LK30-C55-□□□-D□□□-Y	35	6950	1.15×10^{-2}	1600	0.14	1	0~+1.4	313.3
LK30-C65-□□□-D□□□-Y	95	5850	2.68×10^{-2}	3000	0.15	1	0~+1.5	558.7
LK30-C25-□□□-D□□□-R	9.0	15200	2.44×10^{-4}	85	0.08	1	0~+0.9	32.9
LK30-C30S-□□□-D□□□-R	12.5	12700	4.67×10^{-4}	130	0.09	0.9	0~+1.0	41.9
LK30-C30-□□□-D□□□-R	12.5	12700	5.68×10^{-4}	130	0.09	0.9	0~+1.0	49.5
LK30-C40S-□□□-D□□□-R	21	9550	2.45×10^{-3}	1200	0.06	0.9	0~+1.2	124.4
LK30-C40-□□□-D□□□-R	21	9550	2.80×10^{-3}	1200	0.06	0.9	0~+1.2	137.6
LK30-C55-□□□-D□□□-R	60	6950	1.15×10^{-2}	2600	0.10	0.9	0~+1.4	313.3
LK30-C65-□□□-D□□□-R	160	5850	2.68×10^{-2}	4900	0.10	0.9	0~+1.5	558.7
LK30-C55-□□□-D□□□-G	75	8650	1.15×10^{-2}	5030	0.07	0.8	0~+1.4	313.3
LK30-C65-□□□-D□□□-G	200	7350	2.68×10^{-2}	10260	0.08	0.8	0~+1.5	558.7

说明:
1.惯性力矩和重量按最大孔径、最大轴径计算。
2.扭矩刚性为元件部份的测量值
3.最高转速未考虑动平衡。

Note:
1.Moment of inertia and unit N.W. are based on the maximum bore & shaft size.
2. Torsional stiffness values are based on the values of the elements only.
3. Max. rotation speed does not take dynamic balance into account.

LK30 系列 LK30 Series

II.双夹紧胀紧式联接梅花联轴器
II. Double Clamp,Locking Assemblies Type

特点 Features

- 零回转间隙
- 嵌入式结构为胀紧型支持轴孔连接
- 短型设计，节省空间
- 电气绝缘
- 安装便利
- 自定心功能
- 双夹紧螺丝固定
- 连接同步轮、齿轮、链轮和中空轴等等
- Backlash-free
- With expansion hub for shaft and hollow shaft connections
- Short design
- Electric insulation
- Quick assembly
- Good concentricity
- Self-centering clamping connection
- Double clamping screw mounting
- Solution for connection of hollow shaft, chain wheel, synchro wheel, gear wheel etc.

选型举例： Ordering Information

LK30 — CC □□ - □□□ - D □□□ - □

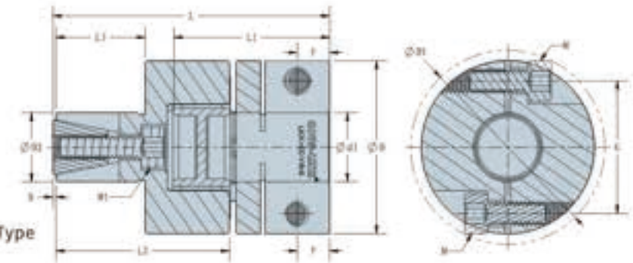
- 弹性体: Curved Jaw
  - Y:黄色,SH A 90硬度
  - R:红色,SH A 98硬度
  - G:绿色,SHD64硬度
- 轴径公差: Shaft tolerance
  - 无标志:h8
  - Blank:h8
  - h7;g7;f8
- D2轴径(大径): D2 Shaft
- 孔径公差: bore tolerance
  - 无标志:H8
  - Blank:H8
  - H7;G7;F8
- d1孔径(小径):d1 Bore
- 无标志:标准型
  - Blank:Standard
  - S:短型
  - S:Short type
- 外径尺寸: Outside Dia

例:LK30-CC25-08H7-D10-Y

LK 30: 系列号:铝合金
CC25: 外径尺寸: 25mm,双夹紧螺丝固定式
08: d1孔径为: 8mm, 公差为H7
10: D2轴径为: 10mm，公差为h8
Y: 弹性体为黄色，SHA90硬度
孔径公称请按照d1（孔径-D2轴径）标示

Example: LK30-CC25-08H7-D10-Y

LK30: Series No., Material: Aluminum alloy
CC25: Outside Diameter: 25mm,Double Clamp Type
08: d1 Bore: 8mm,H7
10: D2 Shaft: 10mm,h8
Y: yellow,SHA90
Please mark the bore diameter in the order of d1 (Bore) - D2 (shaft)



外型尺寸 Dimensions

单位 (unit): mm

型号 Model	d1孔径范围 Bore	D2轴径范围 Shaft	ΦD	ΦD1	L	L1	L2	L3	F	S	G	M1	M	拧紧力矩 Tightening Torque (N.m)
LK30-CC30-□□□-D□□□-Y	8~14	10~12	30	32.5	48	27.0	30.1	15.5	5.6	0.5	22.0	M4	M4	3.4~4.1
LK30-CC40S-□□□-D□□□-Y	12~22	16~20	40	45.0	63.5	33.5	41.5	21.0	6.5	0.5	31.0	M6	M5	7.0~8.5
LK30-CC40-□□□-D□□□-Y	12~22	16~20	40	45.0	69.0	39.0	41.5	21.0	6.5	0.5	31.0	M6	M5	7.0~8.5
LK30-CC55-□□□-D□□□-Y	16~26	22~26	55	56.5	87.0	45.65	53.65	31.0	11	0.5	41.5	M8	M6	14~15
LK30-CC65-□□□-D□□□-Y	20~38	30~38	65	72.0	99.5	52.75	61.75	37.0	12	0.5	51.5	M10	M8	27~30
LK30-CC30-□□□-D□□□-R	8~14	10~12	30	32.5	48	27.0	30.1	15.5	5.6	0.5	22.0	M4	M4	3.4~4.1
LK30-CC40S-□□□-D□□□-R	12~22	16~20	40	45.0	63.5	33.5	41.5	21.0	6.5	0.5	31.0	M6	M5	7.0~8.5
LK30-CC40-□□□-D□□□-R	12~22	16~20	40	45.0	69.0	39.0	41.5	21.0	6.5	0.5	31.0	M6	M5	7.0~8.5
LK30-CC55-□□□-D□□□-R	16~26	22~26	55	56.5	87.0	45.65	53.65	31.0	11	0.5	41.5	M8	M6	14~15
LK30-CC65-□□□-D□□□-R	20~38	30~38	65	72.0	99.5	52.75	61.75	37.0	12	0.5	51.5	M10	M8	27~30
LK30-CC55-□□□-D□□□-G	16~26	22~26	55	56.5	87.0	45.65	53.65	31.0	11	0.5	41.5	M8	M6	14~15
LK30-CC65-□□□-D□□□-G	20~38	30~38	65	72.0	99.5	52.75	61.75	37.0	12	0.5	51.5	M10	M8	27~30

说明:
1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。
2.对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。
3.拧紧力矩为“M”值。

Note:
1. Please contact us for the bore size that is out of the standard scope.
2. Our standard bore size can support relative shaft tolerance at h7 or h8, if your shaft tolerance is not in the scope, please contact us.
3. Please note the wrench torque is for clamping screw "M".

标准孔径 Standard Bore Diameter

单位 (unit): mm

型号 Model	标准孔径 Standard Bore Diameter · d1(mm)																			
	8	9	9.525	10	11	12	14	15	16	18	19	20	22	25	26	28	30	32	35	38
LK30-CC30-d1	•	•	•	•	•	•	•													
LK30-CC40S-d1						•	•	•	•	•	•	•	•							
LK30-CC40-d1						•	•	•	•	•	•	•	•							
LK30-CC55-d1									•	•	•	•	•	•	•					
LK30-CC65-d1												•	•	•	•	•	•	•	•	•

型号 Model	标准孔径 Standard Bore Diameter · D2(mm)																
	10	11	12	14	15	16	18	19	20	22	25	26	28	30	32	35	38
LK30-CC30-D2	•	•	•														
LK30-CC40S-D2						•	•	•	•								
LK30-CC40-D2						•	•	•	•								
LK30-CC55-D2										•	•	•					
LK30-CC65-D2														•	•	•	•

技术参数 Specifications

单位 (unit): mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	容许轴向偏差 Errors of shaft End-play (mm)	重量 N.W. (g)
LK30-CC30-□□□-D□□□-Y	7.5	12700	5.67×10^{-4}	73	0.15	1	0~+1.0	49.4
LK30-CC40S-□□□-D□□□-Y	12	9550	2.48×10^{-3}	570	0.1	1	0~+1.2	125.3
LK30-CC40-□□□-D□□□-Y	12	9550	2.82×10^{-3}	570	0.1	1	0~+1.2	138.3
LK30-CC55-□□□-D□□□-Y	35	6950	1.14×10^{-3}	1600	0.14	1	0~+1.4	311.3
LK30-CC65-□□□-D□□□-Y	95	5850	2.70×10^{-3}	3000	0.15	1	0~+1.5	560.3
LK30-CC30-□□□-D□□□-R	12.5	12700	5.70×10^{-4}	130	0.09	0.9	0~+1.0	49.4
LK30-CC40S-□□□-D□□□-R	21	9550	2.48×10^{-3}	1200	0.06	0.9	0~+1.2	125.3
LK30-CC40-□□□-D□□□-R	21	9550	2.82×10^{-3}	1200	0.06	0.9	0~+1.2	138.3
LK30-Cc55-□□□-D□□□-R	60	6950	1.14×10^{-3}	2600	0.10	0.9	0~+1.4	311.3
LK30-CC65-□□□-D□□□-R	160	5850	2.70×10^{-3}	4900	0.10	0.9	0~+1.5	560.3
LK30-CC55-□□□-D□□□-G	75	8650	1.14×10^{-3}	5030	0.07	0.8	0~+1.4	311.3
LK30-CC65-□□□-D□□□-G	200	7350	2.70×10^{-3}	10260	0.08	0.8	0~+1.5	560.3

说明:
1.惯性力矩和重量按最大孔径、最大轴径计算。
2.扭矩刚性为元件部份的测量值
3.最高转速未考虑动平衡。

Note:
1.Moment of inertia and unit N.W. are based on the maximum bore & shaft size.
2. Torsional stiffness values are based on the values of the elements only.
3. Max. rotation speed does not take dynamic balance into account.

LK31 系列
LK31 Series

使用注意事项:
CAUTIONS:

1. 请务必遵守偏心，偏角，轴向的允许公差。
2. 螺栓类请务必以指定的转矩拧紧。
3. 使用环境范围为-20°C-80°C。虽具备耐水性和耐油性，但极度粘附的环境也会导致产品劣化，请避免此类情况。
4. 插入安装轴前，请勿拧紧夹紧螺栓或定位螺丝。

1. Be sure to observe allowable tolerances of eccentricity, deflection and axis.
2. Bolts must be tightened with specified torque.
3. The use range is - 20°C - 80°C. Despite water and oil resistance, extreme adhesion can also lead to deterioration of the product,avoid this kind of situation.
4. Do not tighten the clamping bolt before inserting the installation shaft.

安装方式:
INSTALLATION:

1.确认联轴器的夹紧螺栓，定位螺丝有无松动，去除轴及联轴器内径面的锈迹，灰尘及油等。特别是，对联轴器摩擦系数有显著影响的各类润滑脂，绝不可有粘附。
Confirm whether the clamping bolt and positioning screwof thecouplingareloose,andremove the rust, dust and oil on the shaft and the inner diameter of the coupling. In particular, all kinds of greases that have a significant impactonthefriction coefficient of the coupling must not have adhesion.

2.请将联轴器插入联接轴。插入时，请勿在联轴器上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，可能会因错误操作而施加过大的压缩力，请注意。
Please insert the coupling into the coupling shaft. When inserting, do not apply too much compressionandtensile force on the coupling, especially when inserting the coupling into the driven shaft after installing the coupling to the motor, it may exert too much compression force due to wrong operation, please note.

3.在夹紧螺栓或定位螺丝处于松动状态下，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果无法顺畅移动，请重新调整两轴的定心。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
When the clamping bolt or positioning screw is loose, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If the movement is not smooth, please readjust the centering of the two shafts. This method is recommended as a simple confirmation method of left and right concentricity. If the sameconfirmationmethod cannot be used, please use other measurement methods to confirm the installation accuracy.

4.安装轴原则上为圆轴，当使用非圆轴时，请注意下图所示的安装位置。(请注意勿使键槽，D型切槽进入灰色部份一侧)，轴安装位置不当可能会造成联轴发生破损，轴夹持力下降。为获得令人满意的联轴器性能，我们建议使用圆轴。
In principle, the installation shaft is a circular shaft. When using anon-circular shaft,pleasepayattentionto the installation position shown in the figure below. (please pay attention not to make the keyway, d-groove enter the gray partof the side). Improper installation position of the shaft may cause damage to the coupling and decrease the shaft clamping force. To obtain satisfactory coupling performance, we recommend the use of round shafts.

推荐安装方式:
RECOMMENDED INSTALLATION METHOD:

好的安装示例

请注意勿使用键槽、D型切口进入□填色部分一侧。

不推荐安装方式:
RINSTALLATION IS NOT RECOMMENDED:

不好的安装示例

请注意勿使用键槽、D型切口进入□填色部分一侧。

5.确认轴向无压缩，拉伸等作用力后，请将夹紧螺栓或定位螺丝拧紧。拧紧螺栓时，请使用经过校准的扭力板手，并按参数表所列的紧固扭矩范围内进行拧紧。
After confirming that there is no compression, tension and other forces in the axial direction,pleasetightenthe clamping bolt or positioning screw. When tightening the bolts, use a calibrated torque wrench and tighten according tothetightening torque range listed in the parameter table.

6.作为夹紧螺栓的初期防松措施，建议运行一段时间后，再次使用正确紧固扭矩进行再拧紧。
As an initial anti loose measure of clamping bolt, it is recommended to use correct tightening torque again for re tightening after a period of operation.

LK31 系列

LK31 Series

I.高扭矩十字滑块联轴器（定位螺丝固定式）

I. High Torque Oldham(Setscrew Type)

特点 Features

- 高扭矩
- 容许大的径向和角向偏差
- 零回转间隙
- 高扭矩刚性和灵敏度
- 结构简单、抗油腐蚀和电气绝缘
- 定位螺丝固定
- High Torque
- Allowable Misalignment of parallel & angular
- Back-lash free
- High torsional stiffness and response
- Easy structure, and electrical insulation
- Set screw type

主体:铝合金材料

Body:Aluminum Alloy

选型举例： Ordering Information

LK31 — □-□□□-□□□

- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d2孔径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 / Blank:H8 / H7;G7;F8
- d1孔径(小径): d1 Bore
- 外径尺寸: Outside Dia

例:LK31-35-12H7-16F8

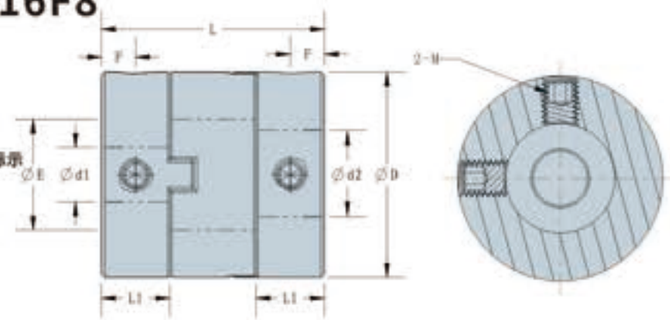
LK31：系列号，材料主体为铝合金

35：外径尺寸：35mm,定位螺丝固定

12：d1孔径为：12mm, 公差为H7

16：d2孔径为：16mm，公差为F8

孔径公称请按照d1（小径）- d2（大径）的顺序标示



Example: LK31-35-12H7-16F8

LK :31: Series No., Material: Aluminum alloy

35: Outside Diameter: 35mm, Setscrew Type

12: d1 Bore: 12mm,H7

16: d2 Bore: 16mm,F8

Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)

外型尺寸 Dimensions

单位 (unit): mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	L	ΦE	F	L1	M	拧紧力矩 Tightening Torque (N.m)
LK31-6-□□□-□□□	1	2	6	8.5	2.1	1.25	2.55	M2	0.3
LK31-8-□□□-□□□	1	3	8	9.6	3.1	1.25	2.55	M2	0.3
LK31-10-□□□-□□□	2	4	10	10.2	4.1	1.5	3	M2	0.3
LK31-12-□□□-□□□	3	5	12	14.5	5.2	2	4	M3	0.7
LK31-16-□□□-□□□	4	8	16	19	8.2	2.5	5.0	M3	0.7
LK31-20-□□□-□□□	4	12	20	21	12.2	2.9	5.8	M4	1.7
LK31-26-□□□-□□□	5	14	26	25	14.2	3.65	7.3	M4	1.7
LK31-30-□□□-□□□	8	16	30	32.6	16.2	5	10	M5	4.0
LK31-35-□□□-□□□	10	16	35	40	16.2	6	12	M5	4.0
LK31-39-□□□-□□□	10	20	39	40	20.3	6	12	M6	7.0
LK31-44-□□□-□□□	10	22	44	46	22.3	7	14	M6	7.0
LK31-55-□□□-□□□	14	26	55	57	26.5	9.35	18.7	M8	15
LK31-70-□□□-□□□	18	38	70	77	38.5	12	24	M10	30

说明:

1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。

2.对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。

Note:

1. Please contact us for the bore size that is out of the standard scope.
2. Our standard bore size can support relative shaft tolerance at h7 or h8, if your shaft tolerance is not in the scope, please contact us.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																													
	1	2	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	25	26	28	30	32	35	38
LK31-6-□□□-□□□	•	•																										
LK31-8-□□□-□□□	•	•	•																									
LK31-10-□□□-□□□		•	•	•																								
LK31-12-□□□-□□□			•	•	•																							
LK31-16-□□□-□□□				•	•	•	•	•	•																			
LK31-20-□□□-□□□				•	•	•	•	•	•	•	•	•	•	•														
LK31-26-□□□-□□□					•	•	•	•	•	•	•	•	•	•	•													
LK31-30-□□□-□□□									•	•	•	•	•	•	•	•	•											
LK31-35-□□□-□□□												•	•	•	•	•	•											
LK31-39-□□□-□□□												•	•	•	•	•	•	•	•	•								
LK31-44□□□-□□□												•	•	•	•	•	•	•	•	•	•							
LK31-55-□□□-□□□															•	•	•	•	•	•	•	•	•					
LK31-70-□□□-□□□																		•	•	•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	重量 N.W. (g)
LK31-6-□□□-□□□	0.2	10000	2.5×10^{-6}	5	0.5	3	0.5
LK31-8-□□□-□□□	0.5	78000	8.37×10^{-6}	12	0.7	3	0.9
LK31-10-□□□-□□□	0.8	63000	2.22×10^{-5}	23	0.9	3	1.5
LK31-12-□□□-□□□	1.0	52000	6.30×10^{-5}	60	1.0	3	3.0
LK31-16-□□□-□□□	1.6	42000	2.52×10^{-5}	80	1.0	3	6.3
LK31-20-□□□-□□□	3.2	31000	6.34×10^{-5}	120	1.2	3	9.37
LK31-26-□□□-□□□	6.0	24000	2.26×10^{-4}	300	1.5	3	20.9
LK31-30-□□□-□□□	15	21000	5.35×10^{-4}	530	2.0	3	37.3
LK31-35-□□□-□□□	16	18000	1.28×10^{-3}	1000	2.5	3	69.5
LK31-39-□□□-□□□	28	16000	1.93×10^{-3}	1500	2.5	3	80.7
LK31-44□□□-□□□	30	14000	3.58×10^{-3}	2400	3.0	3	119.3
LK31-55-□□□-□□□	45	11000	1.13×10^{-2}	4100	4.0	3	245.7
LK31-70-□□□-□□□	80	9000	3.81×10^{-2}	6400	4.5	3	482.4

说明:

1.惯性力矩和重量按最大孔径计算。

2.扭矩刚性为元件部份的测量值

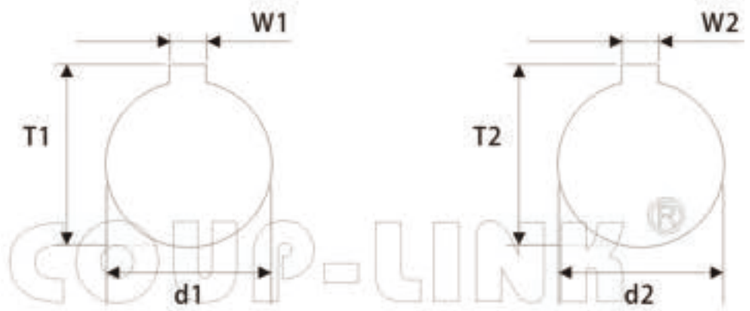
3.最高转速未考虑动平衡。

Note:

1. Moment of inertia and unit N.W. are based on the maximum bore size
2. Torsional stiffness values are based on the values of the elements only.
3. Max. rotation speed does not take dynamic balance into account.

Lk31 系列
LK31 Series

选项:定位螺丝加键槽固定,键槽尺寸
Setscrew Keyway Type



键槽标准尺寸表(国标JS9): Standard Dimension Table of Keyway(Js9)

单位 (unit):mm

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例: Ordering Information

键槽说明:
两端孔都加键槽时,在联轴器外径后面加K表示,只有一端孔加键槽时,K加在要加键槽那端孔的公差后面,前面外径后不用加K,非标键槽必须提供键槽图纸

KEYWAY NOTE:
when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK31-30K-10-14

LK31: 系列号,材料为铝合金
30: 外径尺寸: 30mm定位螺丝固定
10: d1孔径为: 10mm,孔公差为H8
14: d2孔径为: 14mm,孔公差为H8
K: 表示10,14两孔都加标准键槽

Example: LK31-30K-10-14
LK31: Series NO, Material : Aluminum alloy
30: Outside Dia:30mm,Stscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例:LK31-30-10K-14

LK31: 系列号,材料为铝合金
30: 外径尺寸: 30mm定位螺丝固定
10: d1孔径为: 10mm,孔公差为H8
14: d2孔径为: 14mm,孔公差为H8
K: 表示10端孔加标准键槽

Example:LK31-30-10K-14
LK31: Series NO, Material : Aluminum alloy
30: Outside Dia:30mm,Stscrew Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway

LK31 系列

LK31 Series

II.高扭矩十字滑块联轴器（夹紧螺丝固定式）

II. high Torque Oldham (Clamp type)

特点 Features

- 高扭矩
- 容许大的径向和角向偏差
- 零回转间隙
- 高扭矩刚性和灵敏度
- 结构简单、抗油腐蚀和电气绝缘
- 定位螺丝固定
- High Torque
- Allowable Misalignment of parallel & angular
- Back-lash free
- High torsional stiffness and response
- Easy structure, and electrical insulation
- Set screw type

主体:铝合金材料

Body:Aluminum Alloy

选型举例： Ordering Information

LK31－C□-□□□-□□□

- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d2孔径(大径): d2 Bore
- 孔径公差: bore tolerance — 无标志:H8 Blank:H8 / H7;G7;F8
- d1孔径(小径): d1 Bore
- 外径尺寸: Outside Dia

例:LK31-C30-10H7-14F8

LK31：系列号，材料为铝合金

C30：外径尺寸：30mm,夹紧螺丝固定

10：d1孔径为：10mm，公差为H7

14：d2孔径为：14mm,公差为F8

孔径公称请按照d1（小径）- d2（大径）的顺序标示

Example: LK31-C30-10H7-14F8

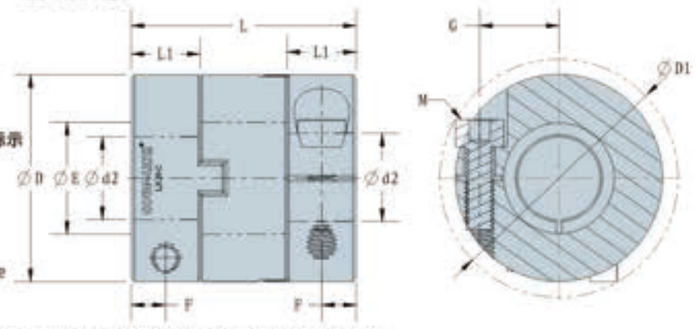
LK 31:Series NO., Material: Aluminum alloy

C30: Outside Diameter: 30mm,Clamping Type

10: d1 Bore: 10mm,H7

14: d2 Bore: 14mm,F8

Please mark the bore diameter in the order of d1 (minor diameter) - d2 (major diameter)



外型尺寸 Dimensions

单位(unit): mm

型号 Model	d1 · d2 最小孔径 Min·Bore	d1 · d2 最大孔径 Max·Bore	ΦD	ΦD1	L	ΦE	F	L1	G	M	拧紧力矩 Tightening Torque (N.m)
LK31-C12-□□□-□□□	3	5	12	15.0	16.5	5.2	2.5	5.0	4.25	M2	0.4~0.5
LK31-C16-□□□-□□□	4	8	16	19.5	20.4	8.2	2.9	5.8	6.0	M2.5	1.0~1.1
LK31-C20-□□□-□□□	4	12	20	22.0	27.0	12.2	4.4	8.0	7.50	M2.5	1.0~1.1
LK31-C26-□□□-□□□	5	14	26	29.5	29.8	14.2	4.85	9.70	10.25	M3	1.5~1.9
LK31-C30-□□□-□□□	8	16	30	34.5	32.6	16.2	5	10	11.5	M4	3.4~4.1
LK31-C35-□□□-□□□	10	16	35	37.5	40	16.2	6	12	12.75	M4	3.4~4.1
LK31-C39-□□□-□□□	10	20	39	41.5	40	20.3	6	12	14.75	M5	7.0~8.5
LK31-C44-□□□-□□□	12	22	44	50.5	46	22.3	7	14	16.5	M6	14~15
LK31-C55-□□□-□□□	16	26	55	62.0	57	26.5	9.35	18.7	20.25	M8	27~30
LK31-C70-□□□-□□□	20	38	70	79.5	77	38.5	12	24	27	M10	55~60

说明：

1.对于上表以外的孔径，如需定货，可另行提供服务，请向本公司洽询。

2.对方安装轴公差为h7,h8级，如轴公差为其他公差，给公差要求厂家定做。

3.ΦD1为最大孔径时，产品的最大旋转外径，如需最大旋转外径跟产品外径一致，请根据具体孔径咨询本公司。

Note:

1. Please contact us for the bore size that is out of the standard scope.
2. Our standard bore size can support relative shaft tolerance at h7 or h8, if your shaft tolerance is not in the scope, please contact us.
3. Φ D1 is the maximum rotating outer diameter when the coupling is with the max bore size. If the Φ D1 is required as same as Φ D, please contact us and advise your bore size.

标准孔径 Standard Bore Diameter

单位(unit):mm

型号 Model	标准孔径 Standard Bore Diameter · d1·d2(mm)																									
	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	15	16	18	19	20	22	25	26	28	30	32	35	38
LK31-C12-□□□-□□□	•	•	•																							
LK31-C16-□□□-□□□		•	•	•	•	•	•																			
LK31-C20-□□□-□□□		•	•	•	•	•	•	•	•	•	•	•														
LK31-C26-□□□-□□□			•	•	•	•	•	•	•	•	•	•	•													
LK31-C30-□□□-□□□							•	•	•	•	•	•	•	•	•											
LK31-C35-□□□-□□□										•	•	•	•	•	•											
LK31-C39-□□□-□□□										•	•	•	•	•	•	•	•	•								
LK31-C44-□□□-□□□												•	•	•	•	•	•	•	•							
LK31-C55-□□□-□□□															•	•	•	•	•	•	•					
LK31-C70-□□□-□□□																		•	•	•	•	•	•	•	•	•

技术参数 Specifications

单位(unit):mm

型号 Model	额定扭矩 Rated Torque (N.m)	最高转速 Max.Rotational Frequency (rpm)	惯性力矩 Moment of Inertia (Kg.m2)	静态扭矩刚性 Static Torsional Stiffness (N.m/rad)	容许径向偏差 Errors of Eccentricity (mm)	容许角向偏差 Errors of Angularity (°)	重量 N.W. (g)
LK31-C12-□□□-□□□	1.0	52000	7.69×10^{-6}	60	1.0	3	3.6
LK31-C16-□□□-□□□	1.6	42000	2.80×10^{-5}	80	1.0	3	6.9
LK31-C20-□□□-□□□	3.2	31000	8.93×10^{-5}	120	1.2	3	14
LK31-C26-□□□-□□□	6.0	24000	2.80×10^{-4}	300	1.5	3	25.7
LK31-C30-□□□-□□□	15	21000	5.52×10^{-4}	530	2.0	3	38.3
LK31-C35-□□□-□□□	16	18000	1.26×10^{-3}	1000	2.5	3	68.3
LK31-C39-□□□-□□□	28	16000	1.91×10^{-3}	1500	2.5	3	79.9
LK31-C44-□□□-□□□	30	14000	3.66×10^{-3}	2400	3.0	3	121.3
LK31-C55-□□□-□□□	45	11000	1.15×10^{-4}	4100	4.0	3	250.3
LK31-C70-□□□-□□□	80	9000	3.86×10^{-4}	6400	4.5	3	487.3

说明:
1.惯性力矩和重量按最大孔径计算。
2.扭矩刚性为元件部份的测量值
3.最高转速未考虑动平衡。

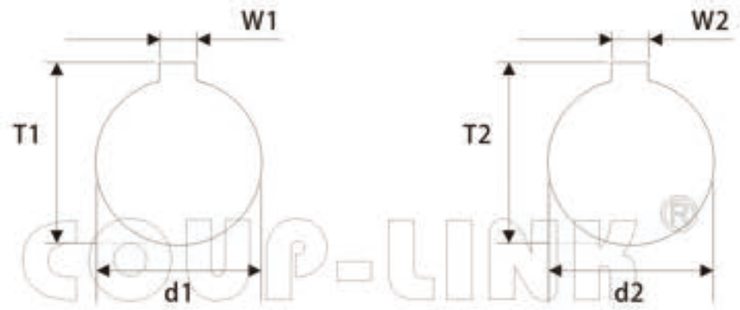
Note:
1. Moment of inertia and unit N.W. are based on the maximum bore size
2. Torsional stiffness values are based on the values of the elements only.
3. Max. rotation speed does not take dynamic balance into account.

Lk31 系列

LK31 Series

选项：夹紧螺丝加键槽固定，键槽尺寸

Clamp Keyway Type



单位 (unit)：mm

键槽标准尺寸表(国标JS9)：Standard Dimension Table of Keyway(Js9)

孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

选型举例：Ordering Information

键槽说明：

两端孔都加键槽时，在联轴器外径后面加K表示，只有一端孔加键槽时，K加在要加键槽那端孔的公差后面，前面外径后不用加K，非标键槽必须提供键槽图纸

KEYWAY NOTE:

when both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the ralative bore size only (Do not add to the outer diameter). If any customized dimension required, please provide your drawings.

例:LK31-C30K-10-14

LK31：系列号，材料为铝合金
C30：外径尺寸：30mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10,14两孔都加标准键槽

Example:LK31-C30K-10-14

LK31: Series NO, Material : Aluminum alloy
C30: Outside Dia:30mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10,14 bore standard keyway

例:LK31-C30-10K-14

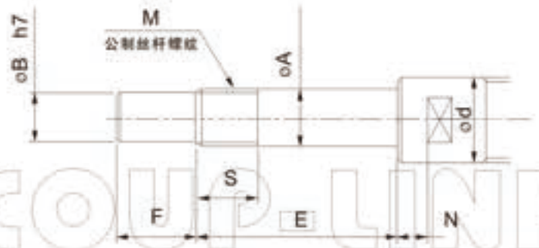
LK31：系列号，材料为铝合金
C30：外径尺寸：30mm夹紧螺丝固定
10：d1孔径为：10mm,孔公差为H8
14：d2孔径为：14mm,孔公差为H8
K：表示10端孔加标准键槽

Example: LK31-C30-10K-14

LK31: Series NO, Material : Aluminum alloy
C30: Outside Dia:30mm,Clamp Type
10: d1 Bore: 10mm,H8
14: d2 Bore: 14mm,H8
K: 10bore standard keyway

LBK LFK LEK 滚珠丝杆支撑座：推荐轴端尺寸（固定侧）—LBK、LFK、LEK

Support Unit of Ball Screw:Recommended Shaft And Shape(Fixed Side)—LBK、LFK、LEK



单位 (unit):mm

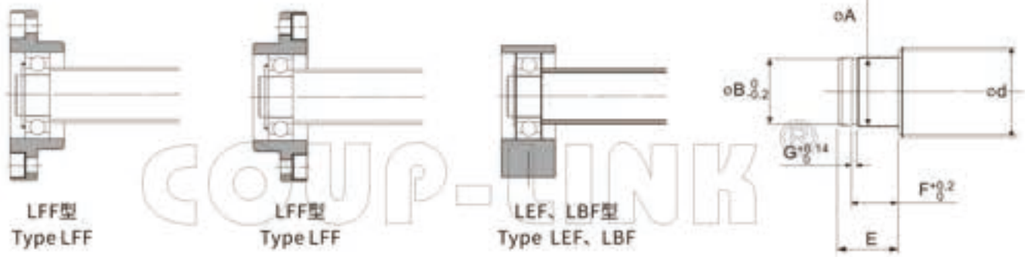
型号 Model	滚珠丝杆轴外径 Ball Screw Shaft OD	轴承部轴外径 Shaft Support Portion OD					公制丝杆螺纹 Metric Screw Thread	
LBK型 Type LBK	d	A	N	B	E	F	M	S
LBK10	12.14.15	10	5	8	36	15	M10×1.0	16
LBK12	14.15.16	12	6	10	36	15	M12×1.0	14
LBK15	18.20	15	6	12	40	20	M15×1.0	12
LBK17	20.25	17	7	15	53	23	M17×1.0	17
LBK20	25.28	20	8	17	53	25	M20×1.0	15
LBK25	32.36	25	10	20	65	30	M25×1.5	18
LBK30	36.40	30	10	25	72	38	M30×1.5	25
LBK35	45	35	12	30	81	45	M35×1.5	28
LBK40	50	40	14	35	93	50	M40×1.5	35

单位 (unit):mm

型号 Model		滚珠丝杆轴外径 Ball Screw Shaft OD	轴承部轴外径 Shaft Support Portion OD					公制丝杆螺纹 Metric Screw Thread	
LFK型 Type LFK	LEK型 Type LEK	d	A	N	B	E	F	M	S
LFK6	LEK6	8	6	4	4	30	8	M6×0.75	8
LFK8	LEK8	12	8	5	6	35	9	M8×1.0	10
LFK10	LEK10	12.14.15	10	5	8	36	15	M10×1.0	11
LFK12	LEK12	14.15.16	12	6	10	36	15	M12×1.0	11
LFK15	LEK15	18.20	15	6	12	47	20	M15×1.0	13
LFK17	——	20.25	17	7	15	59	23	M17×1.0	17
LFK20	LEK20	25.28.30	20	8	17	62	25	M20×1.0	17
LFK25	——	30.32.36	25	10	20	76	30	M25×1.5	20
LFK30	——	36.40	30	10	25	72	38	M30×1.5	25

LFF LEF LBF 推荐轴端尺寸（支撑侧）—LFF LEF LBF

Recommended Shaft And Shape(Floated Side)——LFF、LEF、LBF



单位 (unit):mm

型号 Model			滚珠丝杆轴外径 Ball Screw Shaft OD	轴承部轴外径 Shaft Support Portion OD			止动环沟槽 Snap-ring Groove	
LFF型 Type LFF	LEF型 Type LEF	LBF型 Type LBF	d	A	E	B	F	G
LFF6	LEF6	——	8	6	9	5.7	6.8	0.8
——	LEF8	——	10	6	9	5.7	6.8	0.8
LFF10	LEF10	LBF10	12.14.15	8	10	7.6	7.9	0.9
LFF12	LEF12	LBF12	14.15.16	10	11	9.6	9.15	1.15
LFF15	LEF15	LBF15	18.20	15	13	14.3	10.15	1.15
LFF17	——	LBF17	20.25	17	16	16.2	13.15	1.15
LFF20	LEF20	LBF20 (注NOTE)	25.28.30	20	19(16)	19	15.35(13.35)	1.35
LFF25	——	LBF25	30.32.36	25	20	23.9	16.35	1.35
LFF30	——	LBF30	36.40	30	21	28.6	17.75	1.75
——	——	LBF35	40.45	35	22	33	18.75	1.75
——	——	LBF40	50.55	40	23	38	19.95	1.95

说明：

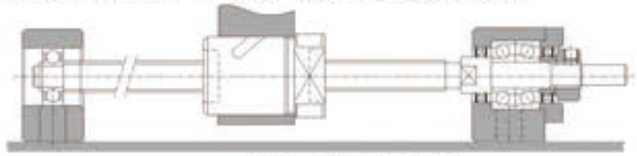
尺寸表中的( )尺寸表示LBF20的尺寸，它与LFF20及LEF20的尺寸不同，因此订货时请务必告知所使用支撑单元型号。

Note:

In this table,dimensions in Parentheses are those of type LBF20.These dimensions differ from those of type LFF 20 and LEF20,When placing an order,always specify the model number of the support unit to be used.

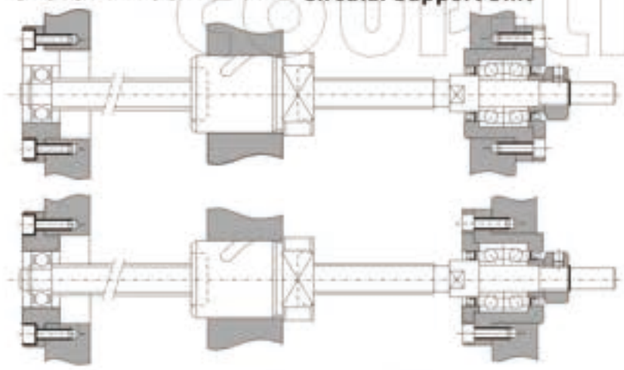
安装例：Installation Example

方形支撑单元 Square Support Unit



方形支撑单元的安装例

圆形支撑单元 Circular Support Unit



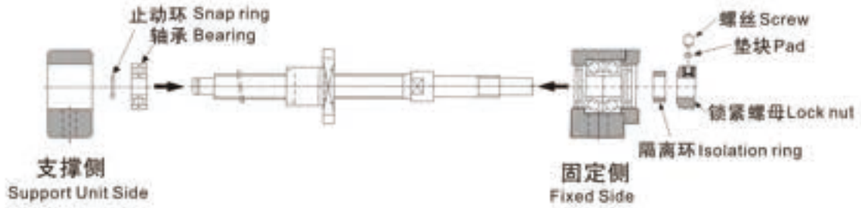
圆形支撑单元的安装例

安装步骤：Installation Steps

装配支撑单元：Assemble Support Unit:

1.将固定侧支撑单元装配到丝杆轴上(注意:请勿拆卸支撑单元)。
2.将固定侧支撑单元插入后，拧紧锁紧螺母,用垫块和内六角固定螺丝将其固定。(注意:当丝杆轴插入支撑单元时，请不要将油封挡板的凸缘弄翻；用内六角固定螺丝压紧垫块时，为防止松动，请在固定螺丝粘上粘结剂再拧紧)。
3.用止动环将支撑侧轴承固定到丝杆轴上，并装入支撑侧支撑座。

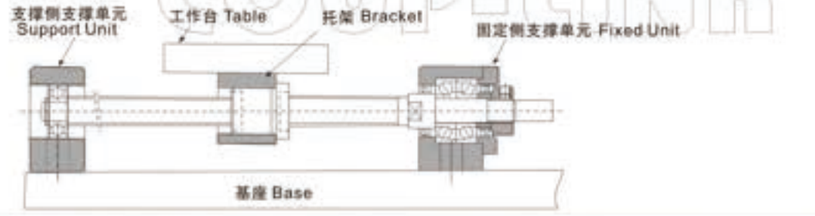
1.Assemble the fixed side support unit to the ball screw shaft(Note:Do not detach the unit).
2.The fixed side support unit inserted,tightening the lock nut, using a pad and a hexa-screw to fix.(Note: When the ball screw shaft enter the support unit, do not upset the oil seal plate flange in order to prevent loosening,please stick glue in then screw and then tighten the binder)
3.With a snap ring fixed the support side bearing to the ball screw shaft, then fixed the support side seat.



工作台和基座上的装配：Table and base assembly

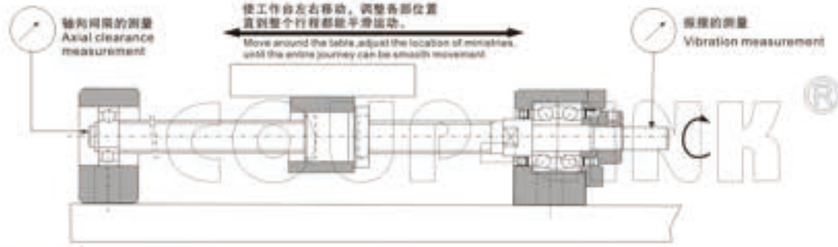
1.使用托架把螺母安装在工作台时，将螺母插入托架并暂时拧紧。
2.将固定侧支撑单元暂时拧紧到基座上，接着，将工作台移近固定侧支撑单元并对准轴中心，调整工作台使其能平滑移动。(说明:以固定侧支撑单元为基准时,请将螺母外径与工作台或托架内径之间留出一定间隙进行调整；以工作台为基准时，对于方形支撑单元，用薄垫片调整轴心高度，对于圆形支撑单元，将螺母外表面与安装部内面之间留一定间隙进行调整。)
3.将工作台移近支撑侧的支撑单元,并对准轴中心，使工作台往返数次，调整螺母到整个行程都能平滑运动，并暂时将支撑单元拧紧在基座上。

1.Use bracket fixed nut to the base, put the nut into the bracket and temporarily tighten.
2.Temporarily tighten the fixed side support unit to the base, then, move the table close to the fixed side support unit and align the axis center,adjust the table so that it can move smoothly.(Note:The fixed side support unit as a benchmark, set the table or bracket from the nut and leave a gap, so that they can be adjusted;if the base as a benchmark, for square support unit,adjust the shaft height with shims,for the circular support unit, between the outer surface of the nut and the inside of the installation ,leaving a gap to adjust.)
3.Move the table to the support side, close the support unit, then align the axis center, make the base round trip several times and adjust nut to be able to move smoothly throughout the trip, temporarily tighten the supportunit at the base.



确认精度及锁紧支撑单元：Confirm accuracy and locking support unit

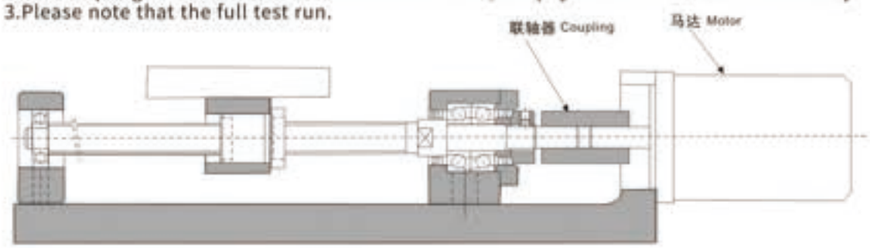
用千分表一边测试滚珠丝杆轴端的摇摆及轴向间隙，一边按螺母，螺母座，固定侧支撑单元，支撑侧支撑单元的顺序依次拧紧。
While checking the ball screw shaft runout and axis clearance with micrometer, while according to nut, nut seat, fixed side support unit, support side support unit in the order tighten.



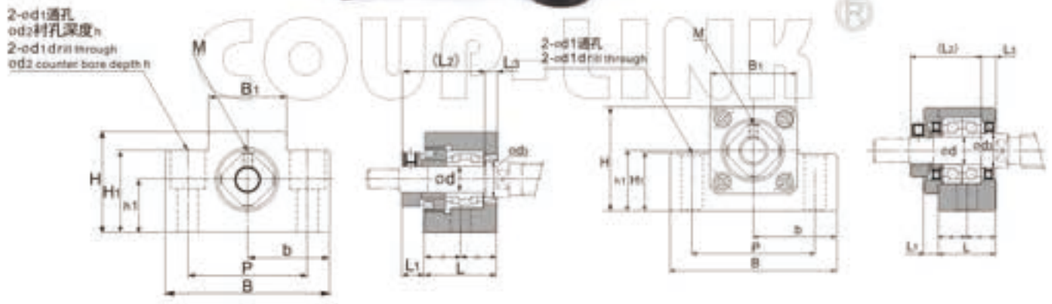
与马达的联接：connect to motor

1.将马达托架安装到基座上。
2.用联轴器将马达与滚珠丝杆联接起来,并注意安装同心度
3.请注意进行充份的试运行。

1.Install the motor bracket to the base.
2.Use coupling to connect motor and the ball screw,and pay attention to the concentricity.
3.Please note that the full test run.



LEK 固定侧 Fixed Side



LEK6、8型
Type LEK6、LEK8

LEK10~20型
Type LEK10~LEK20

选型举例：Ordering Information

LEK10 — □ — □

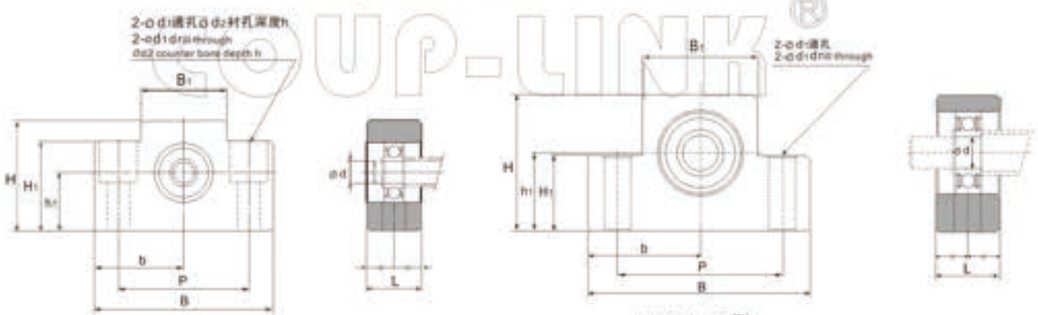
- 轴承精度等级: Bearing precision grade — P5:P5级 / P5:P5 Grade
- 无标志：标准型，国产轴承 / No sign:Standard, Chinese Bearing
- E:进口品牌轴承 / E:Japanese or Taiwan Bearing
- 型号，规格:Model

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d	L	L1	L2	L3	B	H	b	h1	B1	H1	P	d1	d2	d3	h	M	重量 (g)
LEK6-E-□	6	20	5.5	22	3.5	42	25	21	13	18	20	30	5.5	9.5	9.5	11	M3	140
LEK8-□ LEK8-E-□	8	23	6.8	25.8	4	52	32	26	17	25	26	38	6.6	11	11.5	12	M3	240
LEK10-□ LEK10-E-□	10	24	6	29.5	6	70	43	35	25	36	24	52	9	—	14.5	—	M4	460
LEK12-□ LEK12-E-□	12	24	6	29.5	6	70	43	35	25	36	24	52	9	—	15.5	—	M4	440
LEK15-□ LEK15-E-□	15	25	6	36	5	80	49	40	30	41	25	60	11	—	19.5	—	M4	550
LEK20-□ LEK20-E-□	20	42	10	50	10	95	58	47.5	30	56	25	75	11	—	24.5	—	M5	1350

LEF 支撑侧 Floated Side



LEF6、8型
Type LEF6、LEF8

LEF10~20型
Type LEF10~LEF20

选型举例：Ordering Information

LEF10 — □

- 无标志：标准型，国产轴承 / No sign:Standard, Chinese Bearing
- E:进口品牌轴承 / E:Japanese or Taiwan Bearing
- 型号，规格:Model

外型尺寸 Dimensions

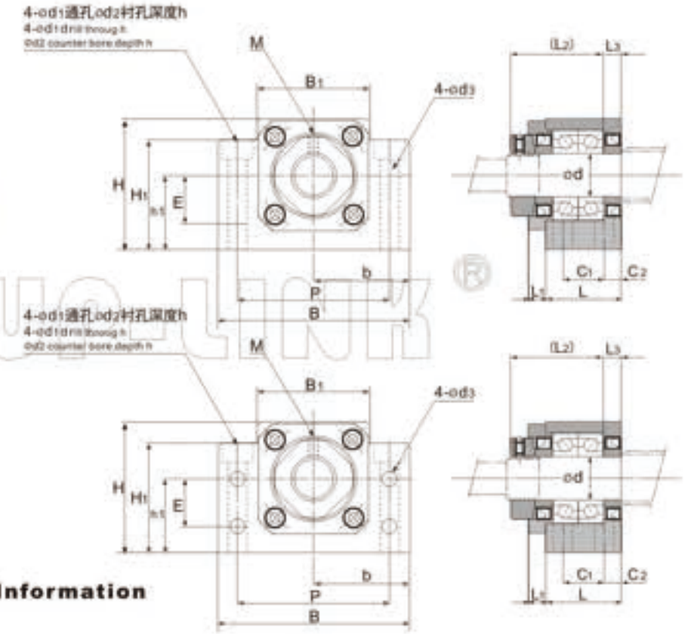
单位 (unit):mm

型号 Model	d	L	B	H	b	h1	B1	H1	P	d1	d2	h	重量 (g)
LEF6-E	6	12	42	25	21	13	18	20	30	5.5	9.5	11	70
LEF8-E	6	14	52	32	26	17	25	26	38	6.6	11	12	130
LEF10 LEF10-E	8	20	70	43	35	25	36	24	52	9	—	—	330
LEF12 LEF12-E	10	20	70	43	35	25	36	24	52	9	—	—	320
LEF15 LEF15-E	15	20	80	49	40	30	41	25	60	9	—	—	380
LEF20 LEF20-E	20	26	95	58	47.5	30	56	25	75	11	—	—	630

LBK 固定侧 Fixed Side

LBK10~LBK15

LBK17~LBK40



选型举例： Ordering Information

LBK10 — □ — □

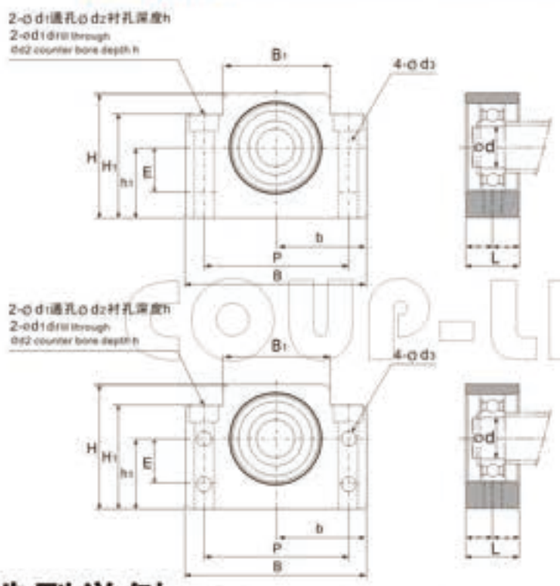
- 轴承精度等级: Bearing precision grade
  - P5:P5级
  - P5:P5 Grade
- 无标志：标准型，国产轴承 / No sign:Standard, Chinese Bearing
- E:进口品牌轴承 / E:Japanese or Taiwan Bearing
- 型号，规格:Model

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d	L	L1	L2	L3	B	H	b	h1	B1	H1	E	P	C1	C2	d1	d2	d3	h	M	重量 (g)
LBK10-□ LBK10-E-□	10	25	5	29	5	60	39	30	22	34	32.5	15	46	13	6	6.6	10.8	5.5	5	M4	390
LBK12-□ LBK12-E-□	12	25	5	29	5	60	43	30	25	35	32.5	18	46	13	6	6.6	10.8	5.5	1.5	M4	410
LBK15-□ LBK15-E-□	15	27	6	32	6	70	48	35	28	40	38	18	54	15	6	6.6	11	5.5	6.5	M4	570
LBK17-□ LBK17-E-□	17	35	9	44	7	86	64	43	39	50	55	28	68	19	8	9	14	6.6	8.5	M4	1270
LBK20-□ LBK20-E-□	20	35	8	43	8	88	60	44	34	52	50	22	70	19	8	9	14	6.6	8.5	M5	1190
LBK25-□ LBK25-E-□	25	42	12	54	9	106	80	53	48	64	70	33	85	22	10	11	17.5	9	11	M5	2300
LBK30-□ LBK30-E-□	30	45	14	61	9	128	89	64	51	76	78	33	102	23	11	14	20	11	13	M6	3320
LBK35-□ LBK35-E-□	35	50	14	67	12	140	96	70	52	88	79	35	114	26	12	14	20	11	13	M8	4330
LBK40-□ LBK40-E-□	40	61	18	76	15	160	110	80	60	100	90	37	130	33	14	18	26	14	17.5	M8	6500

LBF 支撑侧 Floated side



LBF10~LBF15

LBF17~LBF40

选型举例： Ordering Information

LBF10 — □

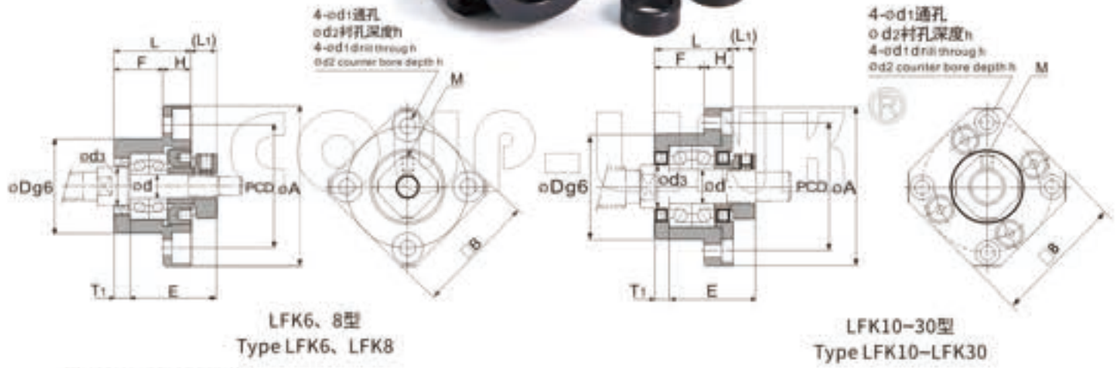
- 无标志：标准型，国产轴承 / No sign:Standard, Chinese Bearing
- E:进口品牌轴承 / E:Japanese or Taiwan Bearing
- 型号，规格:Model

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d	L	B	H	b	h1	B1	H1	E	P	d1	d2	d3	h	重量 (g)
LBF10 LBF10-E	8	20	60	39	30	22	34	32.5	15	46	6.6	10.8	5.5	5	290
LBF12 LBF12-E	10	20	60	43	30	25	35	32.5	18	46	6.6	10.8	5.5	1.5	300
LBF15 LBF15-E	15	20	70	48	35	28	40	38	18	54	6.6	11	5.5	6.5	380
LBF17 LBF17-E	17	23	86	64	43	39	50	55	28	68	9	14	6.6	8.5	740
LBF20 LBF20-E	20	26	88	60	44	34	52	50	22	70	9	14	6.6	8.5	760
LBF25 LBF25-E	25	30	106	80	53	48	64	70	33	85	11	17.5	9	11	1420
LBF30 LBF30-E	30	32	128	89	64	51	76	78	33	102	14	20	11	13	1970
LBF35 LBF35-E	35	32	140	96	70	52	88	79	35	114	14	20	11	13	2220
LBF40 LBF40-E	40	37	160	110	80	60	100	90	37	130	18	26	14	17.5	3270

LFK 固定侧 Fixed Side



LFK6、8型
Type LFK6、LFK8

LFK10–30型
Type LFK10–LFK30

选型举例：Ordering Information

LFK10 — □ — □

- 轴承精度等级: Bearing precision grade — P5:P5级 / P5:P5 Grade
- 无标志：标准型，国产轴承 / No sign:Standard, Chinese Bearing
- E:进口品牌轴承 / E:Japanese or Taiwan Bearing
- 型号，规格:Model

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d	L	H	F	E	D	A	PCD	B	L1	T1	d1	d2	⌀d3	h	M	重量 (g)
LFK6-E-□	6	20	7	13	22	22	36	28	28	5.5	3.5	3.4	6.0	9.5	4	M3	80
LFK8-□ LFK8-E-□	8	23	9	14	26	28	43	35	35	7	4	3.4	6.0	11.5	4	M3	150
LFK10-□ LFK10-E-□	10	27	10	17	29.5	34	52	42	42	7.5	5	4.5	8	14.5	4	M4	210
LFK12-□ LFK12-E-□	12	27	10	17	29.5	36	54	44	44	7.5	5	4.5	8	15.5	4	M4	220
LFK15-□ LFK15-E-□	15	32	15	17	36	40	63	50	52	9	6	5.5	9.5	19.5	6	M4	390
LFK17-□ LFK17-E-□	17	45	22	23	47	50	77	62	61	11	9	6.6	11	23.5	10	M4	750
LFK20-□ LFK20-E-□	20	52	22	30	50	57	84	70	68	8	10	6.6	11	24.5	10	M4	1090
LFK25-□ LFK25-E-□	25	57	27	30	60	63	98	80	79	13	10	9	15	31.5	13	M5	1490
LFK30-□ LFK30-E-□	30	62	30	32	61	75	117	95	93	11	12	11	17.5	37.5	15	M6	2320

LFF 支撑侧 Floated Side

选型举例：Ordering Information

LFF10 — □

- 无标志：标准型，国产轴承 / No sign:Standard, Chinese Bearing
- E:进口品牌轴承 / E:Japanese or Taiwan Bearing
- 型号，规格:Model

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d	L	H	F	D	A	PCD	B	d1	d2	h	重量 (g)
LFF6-E	6	10	6	4	22	36	28	28	3.4	6.5	4	40
LFF10 LFF10-E	8	12	7	5	28	43	35	35	3.4	6.5	4	70
LFF12 LFF12-E	10	15	7	8	34	52	42	42	4.5	8	4	110
LFF15 LFF15-E	15	17	9	8	40	63	50	52	5.5	9.5	5.5	200
LFF17 LFF17-E	17	20	11	9	50	77	62	61	6.6	11	6.5	240
LFF20 LFF20-E	20	20	11	9	57	85	70	68	6.6	11	6.5	270
LFF25 LFF25-E	25	24	14	10	63	98	80	79	9	14	8.5	670
LFF30 LFF30-E	30	27	18	9	75	117	95	93	11	17.5	11	1070

LWBK 滚珠丝杆支撑座——推荐轴端尺寸（固定侧）LWBK

Support Unit of Ball Screw—Recommended Shaft And Shape(Fixed Side)—LWBK

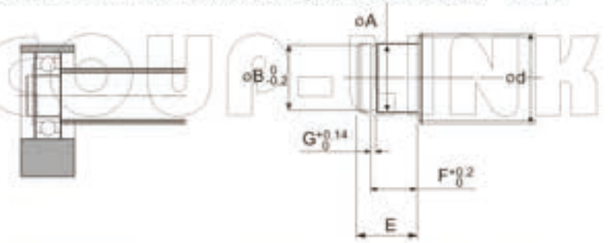
单位 (unit):mm

型号 Model	滚珠丝杆轴外径 Ball Screw Shaft OD	轴承部轴外径 Shaft Support Portion OD					公制丝杆螺纹 Metric Screw Thread	
LWBK型 (Type LWBK)	d	A	N	B	E	F	M	S
LWBK10	14	10	6	8	30	15	M10×1.0	10
LWBK12	15	12	6	10	30	15	M12×1.0	10
LWBK15	19.5	15	5	12	40	20	M15×1.0	15
LWBK20	25	20	10	17	53	25	M20×1.0	16
LWBK25	32	25	14	20	62	30	M25×1.5	20

LWBK 推荐轴端尺寸（支撑侧）LWBF

Recommended Shaft And Shape(Floated Side)—LWBF

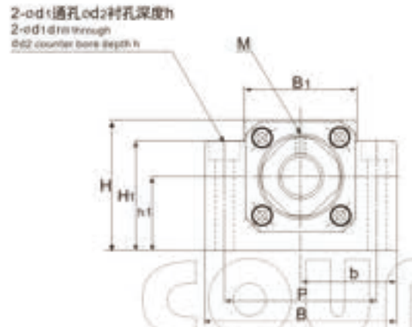
LWBF型
Type LWBF

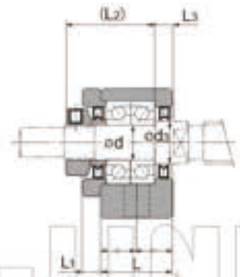


单位 (unit):mm

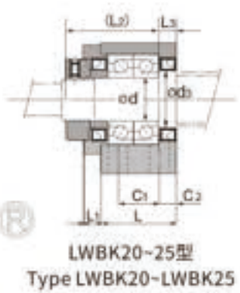
型号 Model	轴承部轴外径 Shaft Support Portion OD			止动环沟槽 Snap-ring Groove	
LWBK型 (Type LWBF)	A	E	B	F	G
LWBK10	8	10	7.6	7.9	0.9
LWBK12	10	11	9.6	9.15	1.15
LWBK15	15	13	14.3	10.15	1.15
LWBK20	20	19	19	15.35	1.35
LWBK25	25	20	23.9	16.35	1.35

LWBK 固定侧 Fixed Side





LWBK10~15型
Type LWBK10~LWBK15



LWBK20~25型
Type LWBK20~LWBK25

选型举例： Ordering Information

LWBK10 — □ — □

- 轴承精度等级: Bearing precision grade
  - P5:P5级 / P5:P5 Grade
- 无标志：标准型，国产轴承 / No sign:Standard, Chinese Bearing
- E:进口品牌轴承 / E:Japanese or Taiwan Bearing
- 型号，规格:Model

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d	L	L1	L2	L3	B	H	b	h1±0.05	B1	H1	P	C1	C2	d1	d2	d3	h	M	重量 (g)
LWBK10-□ LWBK10-E-□	10	24	5	29.5	4	70	43	35	25	36	35	52	—	—	9	14	14.5	11	M4	500
LWBK12-□ LWBK12-E-□	12	24	5	29.5	4	70	43	35	25	36	35	52	—	—	9	14	15.5	11	M4	500
LWBK15-□ LWBK15-E-□	15	25	6	32	4	80	50	40	30	41	40	60	—	—	11	17	19.5	15	M4	700
LWBK20-□ LWBK20-E-□	20	42	10	50	10	95	58	47.5	30	56	45	75	22	10	11	17	24.5	15	M5	1400
LWBK25-□ LWBK25-E-□	25	48	12	54	12	105	68	52.5	35	66	25	85	30	9	11	—	31.5	—	M5	1900

说明:

1.请以B面为基础准面将支撑单元安装在基座上。

2.调整完毕后，请将锁定螺母拧紧。

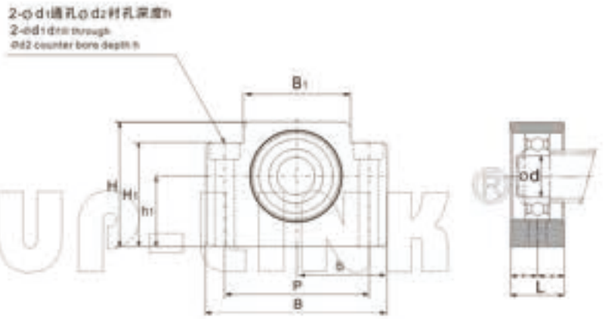
3.请在锁紧螺母上的螺孔放入附带的定位块(黄铜垫片)，再拧紧定位止动螺丝。（如果黄铜垫片已经在锁紧螺母上的，则直接拧紧止动螺丝。）

Note:

1. Please install the support unit on the base based on plane B.
2. After adjustment, please tighten the lock nut.
3. Please put the attached positioning block (brass gasket) into the screw hole on the lock nut, and then tighten the positioning stop screw. (if the brass gasket is already on the locknut, tighten the stop screw directly.)

COUP-LINK® 支撑座

LWBF 支撑侧 Floated Side



选型举例：Ordering Information

LWBF10 — □

- 无标志：标准型，国产轴承 Blank:Standard, Chinese Bearing
- E:进口品牌轴承 E:Japanese or Taiwan Bearing
- 型号，规格: Model

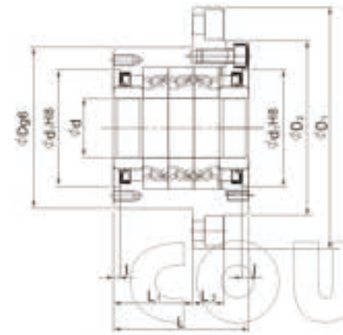
外型尺寸 Dimensions

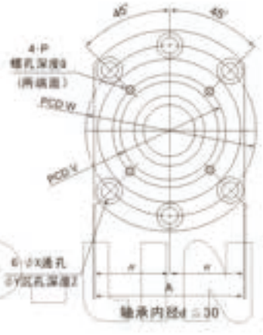
单位 (unit):mm

型号 Model	d	L	B	H	b	h1±0.02	B1	H1	P	d1	d2	h	重量 (g)
LWBF10 LWBF10-E	8	20	70	43	35	25	36	35	52	9	14	11	400
LWBF12 LWBF12-E	10	20	70	43	35	25	36	35	52	9	14	11	350
LWBF15 LWBF15-E	15	20	80	50	40	30	41	40	60	9	14	11	450
LWBF20 LWBF20-E	20	26	95	58	47.5	30	56	45	75	11	17	15	800
LWBF25 LWBF25-E	25	30	105	68	52.5	35	66	25	85	11	—	—	900

COUP-LINK® 支撑座

LWBK 大负载支撑单元 Large Load Support Unit

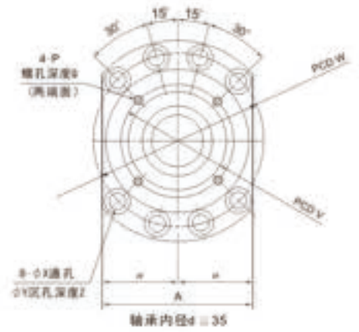




选型举例：Ordering Information

LWBK17 — DF — □ — □

- 轴承精度等级:P4 Bearing precision grade :P4
- E:进口品牌轴承 E:Japanese or Taiwan Bearing
- DF: 含2只配对轴承 DF:Two Bearing
- DFD:含3只配对轴承 DFD:Three Bearing
- DFF:含4只配对轴承 DFF:Four Bearing
- 型号，规格:Model

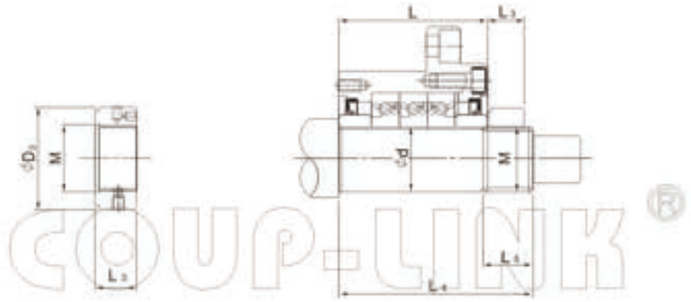


外型尺寸 Dimensions

单位 (unit):mm

型号 Model	d	D	D1	D2	L	L1	L2	A	W	X	Y	Z	d1	I	V	P	Q	重量 (kg)
LWBK17DF-E-□	17	70	106	72	60	32	15	80	88	9	14	8.5	45	3	58	M5	10	1.9
LWBK20DF-E-□	20	70	106	72	60	32	15	80	88	9	14	8.5	45	3	58	M5	10	1.9
LWBK25DF-E-□	25	85	130	90	66	33	18	100	110	11	17.5	11	57	4	70	M6	12	3.1
LWBK25DFD-E-□					81	48												3.4
LWBK30DF-E-□	30	85	130	90	66	33	18	100	110	11	17.5	11	57	4	70	M6	12	3.0
LWBK30DFD-E-□					81	48												3.3
LWBK35DF-E-□	35	95	142	102	66	33	18	106	121	11	17.5	11	69	4	80	M6	12	3.4
LWBK35DFD-E-□					81	48												4.3
LWBK35DFF-E-□					96	48												5.0
LWBK40DF-E-□	40	95	142	102	66	33	18	106	121	11	17.5	11	69	4	80	M6	12	3.6
LWBK40DFD-E-□					81	48												4.2
LWBK40DFF-E-□					96	48												4.7

LWBK 大负载支撑单元 Large Load Support Unit



技术参数 specifications

单位(unit):mm

型号 Model	基本额定动负载 Ca(N)	轴向极限负载 (N)	预紧负载 (N)	轴向刚度 (N/μm)	最大起动扭矩 (N/cm)	锁紧螺母 M	D3	L3	重量 (kg)	支撑单元轴端尺寸 d	支撑单元轴端尺寸 L4	支撑单元轴端尺寸 L5
LWBK17DF-E	21900	26600	2150	750	19	M17×1.0	37	13	1.9	17	81	23
LWBK20DF-E	21900	26600	2150	750	19	M20×1.0	40	11	1.9	20	81	23
LWBK25DF-E	28500	40500	3150	1000	29	M25×1.5	45	15	3.1	25	89	26
LWBK25DFD-E	46500	81500	4300	1470	39	M25×1.5	45	15	3.4	25	104	26
LWBK30DF-E	29200	43000	3350	1030	30	M30×1.5	50	20	3.0	30	89	26
LWBK30DFD-E	47500	86000	4500	1520	40	M30×1.5	50	20	3.3	30	104	26
LWBK35DF-E	31000	50000	3800	1180	34	M35×1.5	55	21	3.4	35	92	30
LWBK35DFD-E	50500	100000	5200	1710	45	M35×1.5	55	21	4.3	35	107	30
LWBK35DFF-E	50500	100000	7650	2350	59	M35×1.5	55	21	5.0	35	122	30
LWBK40DF-E	31500	52000	3900	1230	36	M40×1.5	60	25	3.6	40	92	30
LWBK40DFD-E	51500	104000	5300	1810	47	M40×1.5	60	25	4.2	40	107	30
LWBK40DFF-E	51500	104000	7850	2400	61	M40×1.5	60	25	4.7	40	122	30

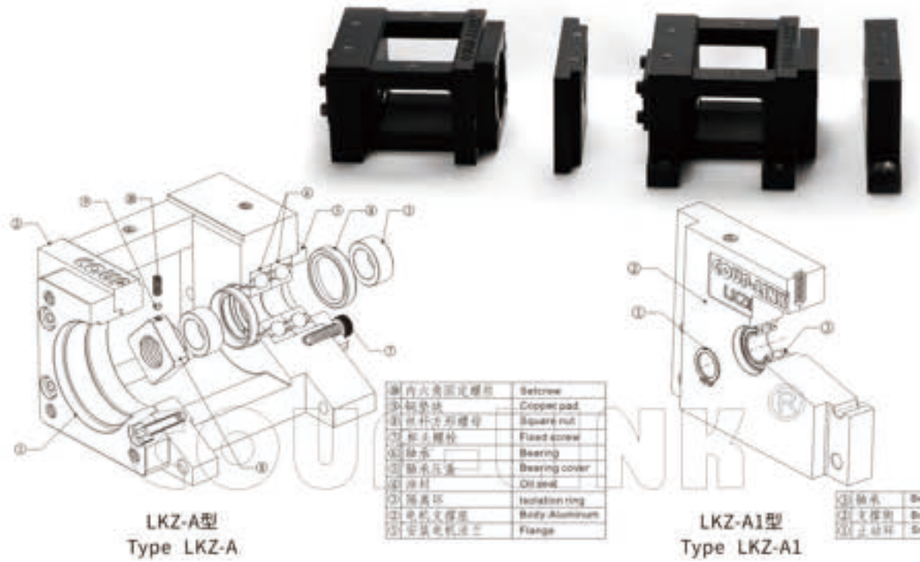
说明：
以上技术参数为选用日本机床专用轴承技术参数。

Note:
The above technical parameters are the technical parameters of special bearings for Japanese machine tools.

LKZ 马达支撑座（铸铝） Support Unit of Motor(Cast Aluminum)

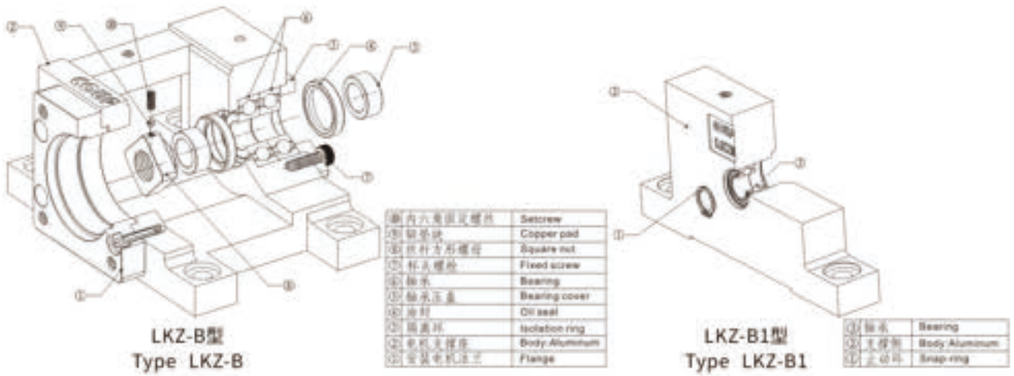
特点 Features

- 马达支撑座是把马达座和丝杆支撑座结合在一起的一个支撑座体，具有安装方便,同心度高特点，使设计和安装简单化。
- 整个座体的一端是马达座,可固定伺服马达，步进马达等，另一端是一个丝杆支撑座，内含配对轴承，油封，隔离环，紧固螺母等配件，一体化的结构使得在安装马达和丝杆时，保证高同心度格外简单，对保证工业机器人的高精度起很大作用，为工业机器人生产厂家必选的配件。
- The support unit of motor is composed of a motor seat and a support unit of ball screw , it has the advantages of convenient installation,high concentricity characteristics,the design and installation is simple.
- One end of the whole unit is the seat can be fixed motor,servo motor,stepper motor. The other end is a support unit of ball screw, containing the bearing pairs,Oil seal, a spacer ring, fastening nut,integrated structure makes the installation of the motor and ball screw, ensure high concentricity very simple, to ensure the high precision industrial robot plays an important role, for industrial robot manufacturer required accessories.



LKZ-A型
Type LKZ-A

LKZ-A1型
Type LKZ-A1



LKZ-B型
Type LKZ-B

LKZ-B1型
Type LKZ-B1

马达支撑座：马达座与马达联接法兰对照表

Support Unit of Motor: the motor seat and the motor connecting flange comparison table

适用马达对照表 Applicable motor comparison table

单位 (unit)：mm

马达品牌、规格		型号	LKZ50A LKZ50B	LKZ60A LKZ60B	LKZ86A LKZ86B	LKZ100A LKZ100B
AC伺服马达	HIWIN	FBAC102[200W] FBAC104[400W]			F0	F0
	松下电器	MSM3AZ[30W] MSM5AZ[50W] MSM01[100W]	F2	F2		
		MSM02[200W] MSM04[400W]			F1	
		MSM08[750W]				F2
	三菱电机	HC-PQ033[30W] HC-PQ053[50W] HC-PQ13[100W]	F1	F1	F2	
		HC-KFS053[50W] HC-KFS13[100W]	F1	F1	F2	
		HC-KFS23[200W] HC-KFS43[400W]			F0	F0
		HC-MF73[73W]				F1
	安川电机	SGMAH-A3[30W] SGMAH-A5[50W] SGMAH-01[100W]	F1	F1	F2	
		SGMPH-01[100W] SGMAH-02[200W] SGMAH-04[400W]			F0	F0
		SGMPH-02[200W] SGMPH-04[400W]				–
		SGMAH-08[750W]				F1

LKZ 马达支撑座——推荐轴端尺寸（固定侧）LKZ-A LKZ-B

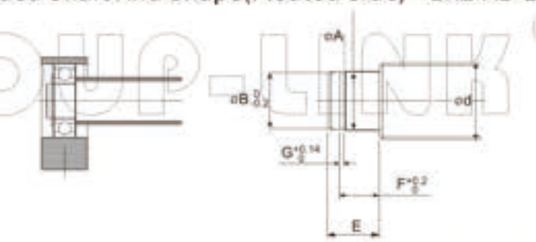
Support Unit of Motor——Recommended Shaft And Shape(Fixed Side)—LKZ-A LKZ-B

单位 (unit)：mm

型号 Model	滚珠丝杆轴外径 Ball Screw Shaft OD	轴承部轴外径 Shaft Support Portion OD				公制丝杆螺纹 Metric Screw Thread	
LKZ型 Type LKZ	d	A	B	E	F	M	S
LKZ50A LKZ50B	8	6	5	26	10	M6×0.75	7.5
LKZ60A LKZ60B	10.12	8	6	30	10	M8×1.0	10
LKZ86A LKZ86B	12.14.15	12	8	36	18	M12×1.0	13
LKZ100A LKZ100B	18.20	15	12	40	22	M15×1.0	16

LKZ 推荐轴端尺寸（支撑侧）—— LKZ-A1 LKZ-B1

Recommended Shaft And Shape(Floated Side)—LKZ-A1 LKZ-B1

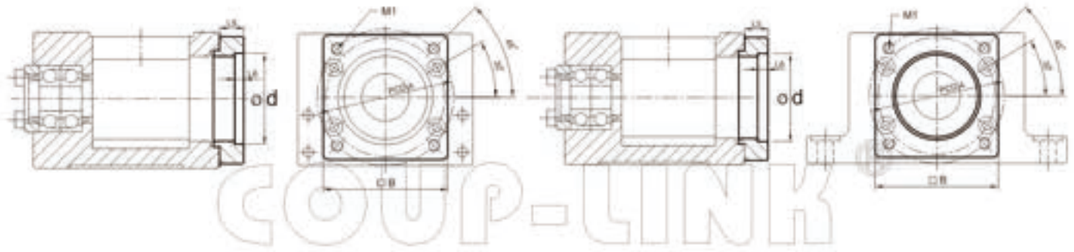


单位 (unit)：mm

型号 Model	滚珠丝杆轴外径 Ball Screw Shaft OD	轴承部轴外径 Shaft Support Portion OD			公制丝杆螺纹 Metric Screw Thread	
LKZ型 Type LKZ	d	A	E	B	F	G
LKZ50A1 LKZ50B1	8	5	9	4.8	6.9	0.7
LKZ60A1 LKZ60B1	10.12	5	9	4.8	6.9	0.7
LKZ86A1 LKZ86B1	12.14.15	10	10	9.6	7.5	1.15
LKZ100A1 LKZ100B1	18.20	15	12	14.3	9.5	1.15

LKZ 马达支撑座A型，B型法兰联接图

Support Unit of Motor: Model A,B Flange



LKZ-A型法兰
Type LKZ-A Flange

LKZ-B型法兰
Type LKZ-B Flange

外型尺寸 Dimensions

单位 (unit):mm

法兰型号 Flange Model		d	□B	PCDA	L5	L6	M1
LKZ50A LKZ50B	F1	30	40	46	10	3.2	4-M4
	F2	30	40	45	10	3.2	4-M3
LKZ60A LKZ60B	F1	30	42	46	10	3.5	4-M4
	F2	30	42	45	10	3.5	4-M3
LKZ86A LKZ86B	F0	50	—	70	—	—	4-M5
	F1	50	62	70	10	3.5	4-M4
	F2	30	62	46	10	—	4-M4
LKZ100A LKZ100B	F0	50	—	70	—	—	4-M5
	F1	70	80	90	12.5	3.5	4-M6
	F2	70	80	90	12.5	3.5	4-M5

说明：

1.F0型法兰联接方式为马达直接固定在马达支撑座上，不用另配法兰。

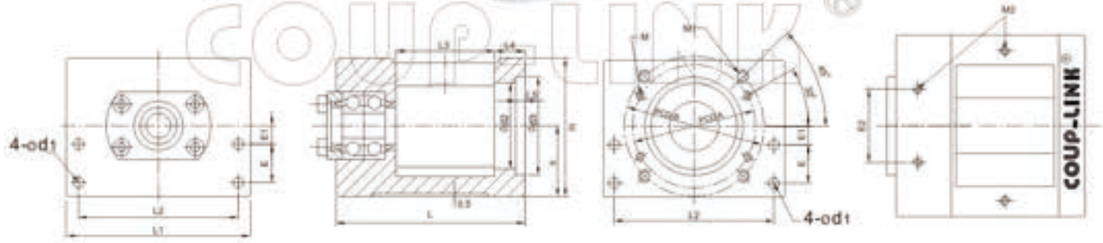
2.如马达安装孔位与现有法兰不一致，请提供马达安装尺寸，另配法兰。

Note:

1.Flange connection mode of F0 type for the motor is directly fixed on the motor supporting seat, don't need flange.

2.If the motor installing holes are not fit with the existing flange, please provide the motor installation size, use the other flange.

LKZ-A 固定侧 Fixed Side



选型举例：Ordering Information

LKZ60A — □ — □ — □

- 法兰规格：Flange specification
  - F0:为直联固定,不用另加法兰 F0:direct connection,not use flange
  - F1:参照法兰尺寸图 F1:reference to the flange size chart
  - F2:参照法兰尺寸图 F2:reference to the flange size chart
- 轴承精度等级: Bearing precision grade
  - P5:P5级 P5:P5 Grade
- 无标志：标准型，国产轴承 Blank:Standard, Chinese Bearing
- E:进口品牌轴承 E:Japanese or Taiwan Bearing
- 型号，规格,座固定方式A:A型,侧面固定 Fixed method: Model A ,the side fixing

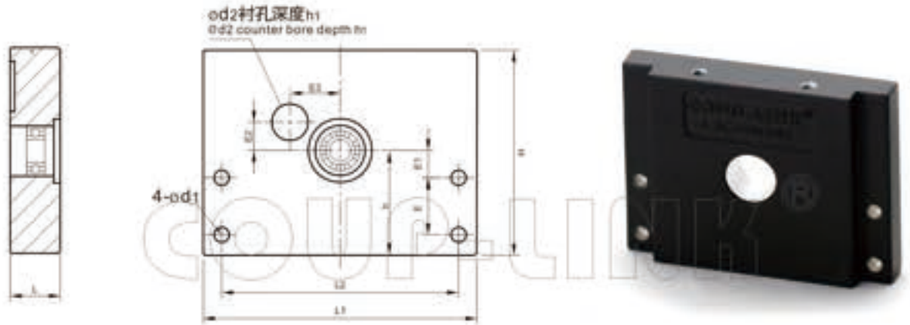
外型尺寸 Dimensions

单位 (unit):mm

型号 Model	L	L1	H	L2	d1	E	E1	E2	L3	L4	L5	h	d2	d3	PCDA	PCDB	M	M1	M2
LKZ50A-□-□-□	63	50	38.5	43	3.3	10	1.36	24	35	11	2.5	16	24	27	—	33	—	4-M3	4-M3
LKZ60A-□-□-□	61.5	60	45	52	3.3	12.5	6	24	32	10	2.5	23	28	32	40	40	4-M3	4-M4	4-M3
LKZ86A-□-□-□	88	86	63	75	4.4	18.5	8	74	51.5	14	3.5	31	46	50	60	70	4-M4	4-M5	4-M4
LKZ100A-□-□-□	94	100	72	88	5.5	19	6	64	45.5	22	—	31	50	—	—	70	—	4-M5	4-M4

COUP-LINK® 支撑座

LKZ-A1 支撑侧 Floated Side



选型举例：Ordering Information

LKZ60A1 — □

- 无标志：标准型，国产轴承 Blank:Standard, Chinese Bearing
- E:进口品牌轴承 E:Japanese or Taiwan Bearing

型号，规格,座固定方式A:A型,侧面固定 Fixed method: Model A ,the side fixing

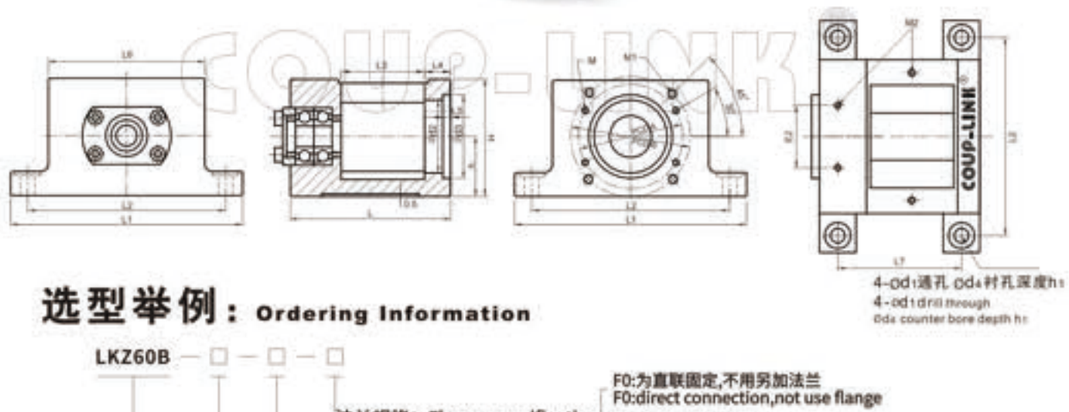
外型尺寸 Dimensions

单位 (unit):mm

型号 Model	L	L1	L2	H	h	E	E1	E2	E3	d1	d2	h1
LKZ50A1-□	10	50	43	38.5	16	10	1.36	6	9	3.3	8	5
LKZ60A1-□	11	60	52	45	23	12.5	6	6.2	11	3.3	10	2
LKZ86A1-□	13	86	75	59	31	18.5	8	8	17.2	4.4	8	5
LKZ100A1-□	15	100	89	72	31	19	6	12	15	5.5	7	5

COUP-LINK® 支撑座

LKZ-B 固定侧 Fixed Side



选型举例：Ordering Information

LKZ60B — □ — □ — □

- 法兰规格：Flange specification
  - F0:为直联固定,不用另加法兰 F0:direct connection,not use flange
  - F1:参照法兰尺寸图 F1:reference to the flange size chart
  - F2:参照法兰尺寸图 F2:reference to the flange size chart
- 轴承精度等级：Bearing precision grade
  - P5:P5级 P5:P5 Grade
- 无标志：标准型，国产轴承 Blank:Standard, Chinese bearing
- E:进口品牌轴承 E:Japanese or Taiwan bearing

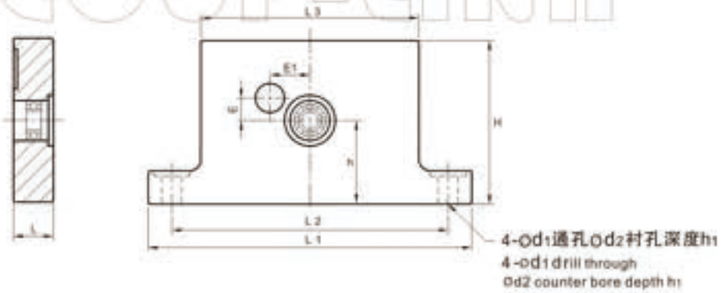
型号,规格,座固定方式B:B型,底面固定 Fixed method: Model B, Bottom fixing

外型尺寸 Dimensions

单位 (unit):mm

型号 Model	L	L1	H	L2	L3	L4	L5	L6	L7	h	d1	d2	d3	d4	h1	E2	PCDA	PCDB	M	M1	M2
LKZ50B-□-□-□	63	75	38.5	62	35	11	2.5	50	51	16	4.4	24	27	8	1.5	24	—	33	—	4-M3	4-M3
LKZ60B-□-□-□	61.5	89	45	76	32	10	2.5	60	47.5	23	5.4	28	32	10	1.5	24	40	40	4-M3	4-M4	4-M3
LKZ86B-□-□-□	88	113	63	100	51.5	14	3.5	86	74	31	5.4	46	50	9	1.5	74	60	70	4-M4	4-M5	4-M4
LKZ100B-□-□-□	94	107	72	92	45.5	22	—	75	74	31	6.5	50	—	11	2	64	—	70	—	4-M5	4-M4

LKZ-B1 支撑侧 Floated Side



选型举例：Ordering Information

LKZ60B1 — □

无标志：标准型，国产轴承
Blank:Standard, Chinese Bearing
E:进口品牌轴承
E:Japanese or Taiwan Bearing

型号,规格,座固定方式B1:B1型,底面固定 Fixed method: Model B1 ,Bottom fixing

外型尺寸 Dimensions

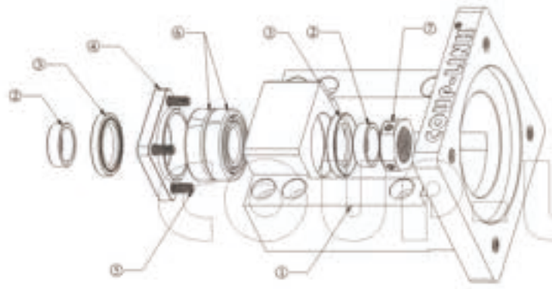
单位 (unit):mm

型号 Model	L	L1	L2	H	h	E	E1	d1	d2	h1
LKZ50B1-□	12	75	62	38.5	16	6	9	4.4	8	1.5
LKZ60B1-□	14	89	76	45	23	6.2	11	5.4	10	1.5
LKZ86B1-□	14	113	100	59	31	8	17.2	5.4	9	1.5
LKZ100B1-□	16	107	92	72	31	12	15	6.5	11	2

CLKZ 马达支撑座（铸铁） Support Unit of Motor(Cast Iron)

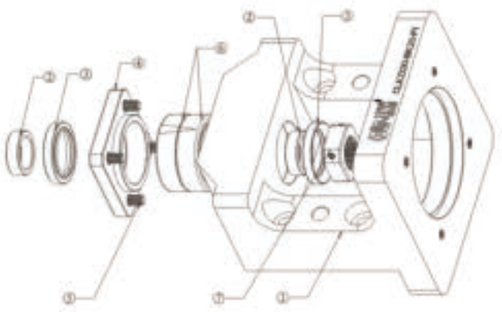
特点 Features

- 马达支撑座是把马达座和丝杆支撑座结合在一起的一个支撑座体，具有安装方便，同心度高特点,使设计和安装简单化。
- 整个座体的一端是马达座，可固定伺服马达，步进马达等，另一端是一个丝杆支撑座，内含配对轴承，油封，隔离环，紧固螺母等配件，一体化的结构使得在安装马达和丝杆时，对保证高同心度格外简单，保证工业机器人的高精度起很大作用，为工业机器人生产厂家必选的配件。
- The support unit of motor is composed of a motor seat and a support unit of ball screw , it has theadvantagesof convenient installation,high concentricity characteristics,the design and installation is simple.
- One end of the whole unit is the seat can be fixed motor,servo motor,stepper motor. The other end is a support unit of ball screw, containing the bearing pairs,Oil seal, a spacer ring, fastening nut, integrated structure makes the installation of the motor and ball screw, ensure high concentricity very simple, to ensure the high precision industrial robot plays an important role, for industrial robot manufacturer required accessories.



⑦	丝杆方形螺母	Square nut
⑥	轴承	Bearing
⑤	12.9级杯头螺栓	Fixed screw
④	轴承压盖	Bearing cover
③	油封	Oil seal
②	隔离环	Isolation ring
①	电机支撑座主体	Body:cast iron

CLKZ90-BK15–CLKZ90-BK20

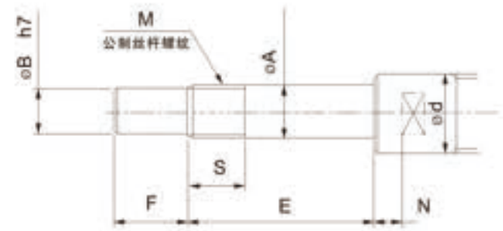


⑦	丝杆方形螺母	Square nut
⑥	轴承	Bearing
⑤	12.9级杯头螺栓	Fixed screw
④	轴承压盖	Bearing cover
③	油封	Oil seal
②	隔离环	Isolation ring
①	电机支撑座主体	Body:cast iron

CLKZ130-BK20–CLKZ180-BK30

CLKZ 马达支撑座——推荐轴端尺寸（固定侧）

Support Unit of Motor—Recommended Shaft And Shape (Fixed Side)



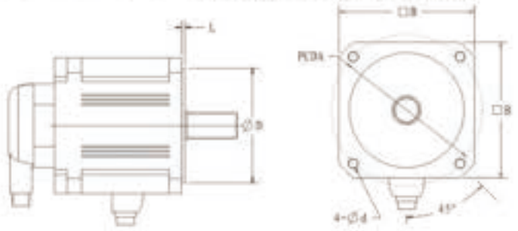
单位 (unit):mm

型号 Model	滚珠丝杆轴外径 Ball Screw Shaft OD	轴承部轴外径 Shaft Support Portion OD					公制丝杆螺纹 Metric Screw Thread	
CLKZ型 Type CLKZ	d	A	N	B	E	F	M	S
CLKZ90-BK15	18.20	15	6	12	40	20	M15×1.0	12
CLKZ90-BK17	20.25	17	7	15	53	23	M17×1.0	17
CLKZ90-BK20	25.28	20	8	17	57	25	M20×1.0	15
CLKZ130-BK20	25.28	20	8	17	57	25	M20×1.0	15
CLKZ180-BK25	32.36	25	10	20	65	30	M25×1.5	18
CLKZ180-BK30	36.40	30	10	25	72	38	M30×1.5	25

马达法兰安装尺寸参数表：Motor flange mounting dimension parameter list 单位 (unit):mm

马达品牌 Motor Brand	马达型号 Motor Model	法兰尺寸 Flange Size				
		φD	□B	PCDA	L	φd

马达法兰安装尺寸图 Motor flange mounting size

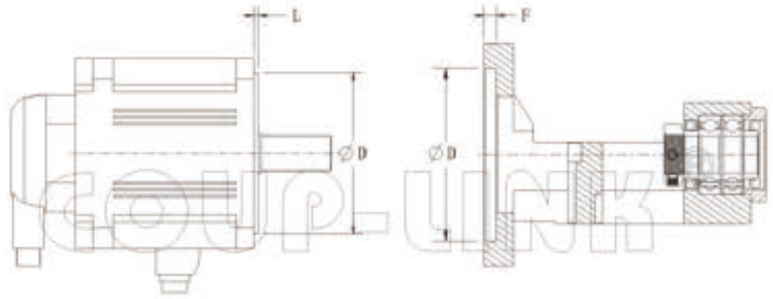


CLKZ 电机法兰与马达支撑座联接图

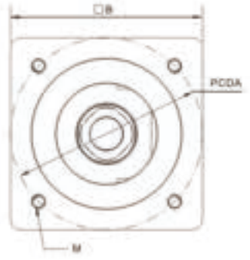
外型尺寸 Dimensions

单位 (unit):mm

马达支撑座型号 Motor support seat model	法兰尺寸 Flange Size	B	D	PCDA	F	M
CLKZ90-BK15	F1	90	70	90	5	4-M5
	F2	90	70	90	5	4-M6
CLKZ90-BK17	F1	90	70	90	7	4-M5
	F2	90	70	90	7	4-M6
CLKZ90-BK20	F1	90	70	90	7	4-M5
	F2	90	70	90	7	4-M6
CLKZ130-BK20	F1	130	95	115	7	4-M6
	F2	130	95	115	7	4-M8
CLKZ180-BK25	F1	180	110	130	7	4-M8
	F2	180	110	145	7	4-M8
CLKZ180-BK30	F1	180	114.3	200	8	4-M12



电机与马达支撑座联接示意图



说明：

1.联接方式为电机直接固定在马达支撑座上,不用另配法兰。

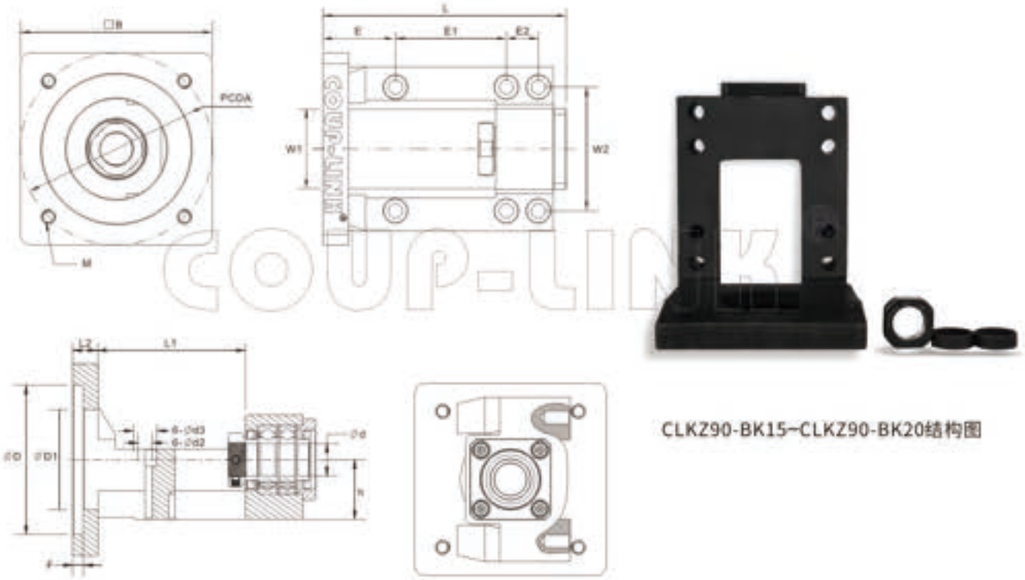
2.如马达安装孔位与现有法兰不一致,请提供马达安装尺寸。

Note:

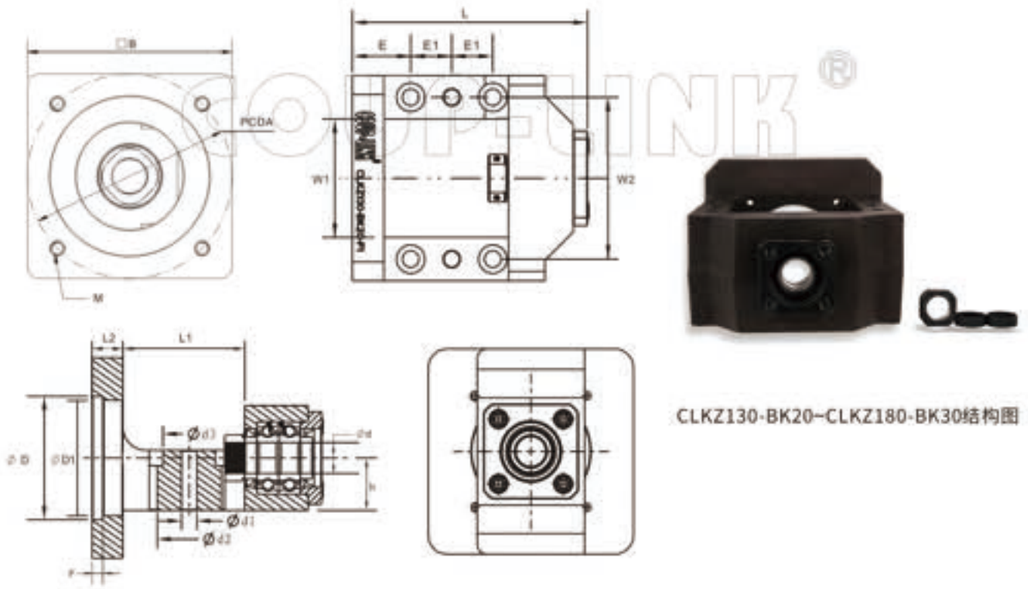
1.The connection mode is directly fixed on the motor support seat, don't need flange.

2.If the motor installing holes are not fit with the existing flange, please provide the motor installation size.

CLKZ 固定侧 Fixed Side



CLKZ90-BK15~CLKZ90-BK20结构图



CLKZ130-BK20~CLKZ180-BK30结构图

CLKZ 固定侧 Fixed Side

选型举例：Ordering Information

CLKZ130-BK20 — □ — □ — □

- 法兰规格:Flange specification
  - F1: 参照法兰尺寸图 F1:Reference to the flange size chart
  - F2:参照法兰尺寸图 F2:Reference to the flange size chart
- 轴承精度等级:Bearing precision grade
  - P5:P5级 P5:P5 Grade
  - 无标志：标准型，国产轴承 Blank:Standard, Chinese Bearing
  - E:进口品牌轴承 E:Japanese or Taiwan Bearing
- 型号，规格:Model

外型尺寸 Dimensions

单位(unit):mm

型号 Model	d	B	D	D1	PCDA	F	M	L	L1	L2	E	E1	E2	h	W1	W2	d1	d2	d3
CLKZ90-BK15-□-□-F1	15	90	70	47	90	5	4-M5	114	69	12	34	52	15	28	37	58	—	6.6	11
CLKZ90-BK15-□-□-F2							4-M6												
CLKZ90-BK17-□-□-F1	17	90	70	47	90	5	4-M5	125	69	12	34	52	15	28	37	58	—	6.6	11
CLKZ90-BK17-□-□-F2							4-M6												
CLKZ90-BK20-□-□-F1	20	90	70	47	90	5	4-M5	124	69	12	34	52	15	28	37	58	—	6.6	11
CLKZ90-BK20-□-□-F2							4-M6												
CLKZ130-BK20-□-□-F1			80		100		4-M6												
CLKZ130-BK20-□-□-F2	20	130	95	75	115	7	4-M6	151	79	20	37	26	—	34	75	102.5	10	10.5	18
CLKZ130-BK20-□-□-F3			95		115		4-M8												
CLKZ180-BK25-□-□-F1	25	180	110	88	130	7	4-M8	180	101	25	43	35	—	48	120	150	12	13	20
CLKZ180-BK25-□-□-F2					145		4-M8												
CLKZ180-BK30-□-□-F1	30	180	114.3	102	200	8	4-M12	224	135	30	65	37.5	—	51	120	150	12	13	20

说明：
1.联接方式为电机直接固定在马达支撑座上，不用另配法兰。
2.如马达安装孔位与现有法兰不一致，请提供马达安装尺寸。

Note:
1.The connection mode is directly fixed on the motor support seat, don`t need flange.
2.If the motor installing holes are not fit with the existing flange, please provide the motor installation size.

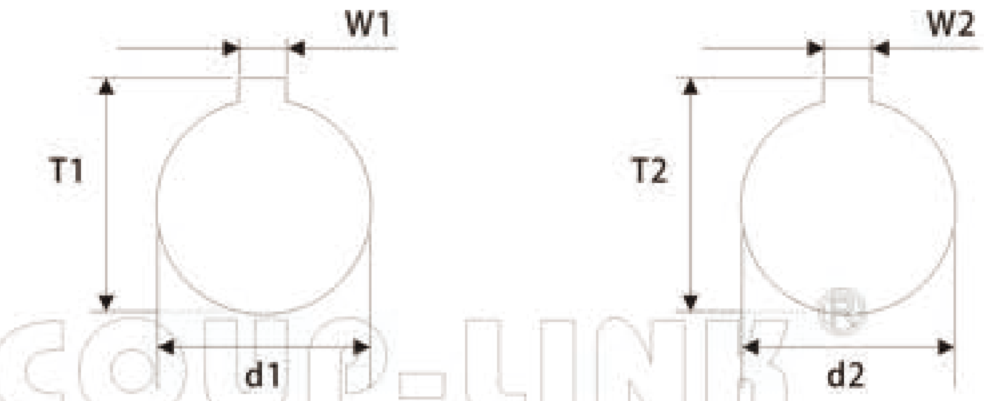
配合尺寸公差表（轴）

基本尺寸 (mm)		轴的公差带 单位（um）																														
>	≤	b9	c9	d8	d9	e7	e8	e9	f6	f7	f8	g5	g6	h5	h6	h7	h8	h9	js5	js6	js7	k5	k6	m5	m6	n6	p6	r6	s6	t6	u6	x6
—	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	14	-150 -193	-95 -138	-50 -77	-50 -93	-32 -50	-32 -59	-32 -75	-16 -27	-16 -34	-16 -43	-6 -14	-6 -17	0 -8	0 -11	0 -18	0 -27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	18																															
18	24	-160 -212	-110 -162	-65 -98	-65 -117	-40 -61	-40 -73	-40 -92	-20 -33	-20 -41	-20 -53	-7 -16	-7 -20	0 -9	0 -13	0 -21	0 -33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	30																													[illegible]	[illegible]	[illegible]
30	40	-170 -232	-120 -182	-80 -119	-80 -142	-50 -75	-50 -89	-50 -112	-25 -41	-25 -50	-25 -64	-9 -20	-9 -25	0 -11	0 -16	0 -25	0 -39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	50	-180 -242	-130 -192																											[illegible]	[illegible]	[illegible]
50	65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
65	80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
80	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
100	120	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
120	140	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
140	160	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
160	180	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
180	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
200	225	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
225	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
250	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
280	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
315	355	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
355	400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
400	450	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
450	500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

配合尺寸公差表（孔）

基本尺寸 (mm)		孔的公差带 单位（um）																																	
>	≤	B10	c9	c10	D8	D9	D10	E7	E8	E9	F6	F7	F8	G6	G7	H6	H7	H8	H9	H10	Js6	Js7	K6	K7	M6	M7	N6	N7	P6	P7	R7	S7	T7	U7	X7
—	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
65	80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
80	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
100	120	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
120	140	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
140	160	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
160	180	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
180	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
200	225	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
225	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
250	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
280	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
315	355	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
355	400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
400	450	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
450	500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

国标键槽标准尺寸表



孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)	孔径 φd1 φd2 Bore	键槽宽度 Keyway W1.W2 (mm)	键槽高度 Keyway T1.T2 (mm)
6	2	7	32	10	35.3
8	2	9	35	10	38.3
9	3	10.4	38	10	41.3
10	3	11.4	40	12	43.3
11	4	12.8	42	12	45.3
12	4	13.8	45	14	48.8
13	5	15.3	48	14	51.8
14	5	16.3	50	14	53.8
15	5	17.3	55	16	59.3
16	5	18.3	56	16	60.3
17	5	19.3	60	18	64.4
18	6	20.8	65	18	69.4
19	6	21.8	70	20	74.9
20	6	22.8	75	20	79.9
22	6	24.8	80	22	85.4
24	8	27.3	85	22	90.4
25	8	28.3	90	25	95.4
28	8	31.3	95	25	100.4
30	8	33.3	100	28	106.4

常见问题的解决 Solutions to common problems

1. **关于伺服电机联接联轴器后的异响振动现象：**
   About the abnormal noise and vibration after the coupling of servo motor is connected:
   当联轴器联接好伺服电机与丝杆后，开机试运行时，有可能出现运行中发出响声甚至刺耳响声，这时，需要停机检查，首先排除两轴联接同心度偏差过大问题（联接时同心度调整问题看各系列联轴器安装方法），如果联接同心度没问题，那么这异响应该是由伺服电机跟丝杆在某一频率发生共振而产生的，需要调整伺服电机驱动器的载波频率与增益等参数，以避开共振频率，把异响消除，具体参数调整请咨询伺服电机厂家。
   When the coupling is well connected with the servo motor and the screw rod, there may be a noise or even a harsh noise during the operation during the start-up and test run. At this time, it is necessary to stop the machine for inspection. First, the problem of too large deviation of the concentricity of the two shaft connection (see the installation method of each series of coupling for concentricity adjustment during the connection) should be eliminated. If the concentricity of the connection is no problem, then the abnormal noise should be caused by the servomotor If the following screw rod resonates at a certain frequency, the parameters such as carrier frequency and gain of servo motor driver need to be adjusted to avoid resonance frequency and eliminate abnormal noise. Please consult the servo motor manufacturer for specific parameter adjustment.

2. **关于步进电机接联轴器后的异响振动现象：**
   About the abnormal noise and vibration of the stepper motor after connecting the coupling:
   当联轴器联接好步进电机与丝杆后，开机试运行时，有可能出现运行中发出响声甚至刺耳响声，这时，需要停机检查，首先排除两轴联接同心度偏差过大问题（联接时同心度调整问题看各系列联轴器安装方法），如果联接同心度没问题，那么可错开使用转速，以避开共振频率，或使用高衰减效果的步进挠性联轴器来吸收，抑制振动。
   When the coupling is well connected with the step motor and the screw rod, there may be a noise or even a harsh noise during the operation during the start-up and test run. At this time, it is necessary to stop the machine for inspection. First, the problem of too large deviation of the concentricity of the two shaft connection (see the installation method of each series of coupling for concentricity adjustment during the connection) shall be eliminated. If the concentricity of the connection is no problem, the rotating speed can be staggered to avoid it Open resonance frequency, or use step flexible coupling with high attenuation effect to absorb and suppress vibration.

3. **怎样简易调整两轴同心度：**
   How to adjust the concentricity of two shafts easily:
   在联轴器固定螺栓处于松开状态下，先将联轴器插入电动机轴，插入时，请勿在联轴器的弹性元件上施加过大的压缩和拉伸力，特别是在把联轴器安装至电动机后将联轴器插入从动轴时，这时，请确认联轴器是否能沿轴向和旋转方向轻微移动。如果联轴器无法移动，请重新调整两轴的定心，直到能顺畅移动。该方法推荐用作左右同心度的简易确认方法，如果无法使用同样的确认方法，请使用其他测量方法确认安装精度。
   When the fixed bolt of the coupling is loose, first insert the coupling into the motor shaft. When inserting, do not exert excessive compression and tensile force on the elastic element of the coupling, especially when inserting the coupling into the driven shaft after installing the coupling into the motor. At this time, please confirm whether the coupling can move slightly along the axial direction and rotation direction. If the coupling cannot move, please readjust the centering of the two shafts until it can move smoothly. This method is recommended as a simple confirmation method of left and right concentricity. If the same confirmation method cannot be used, please use other measurement methods to confirm the installation accuracy.

安全方面的注意事项（请在使用前务必认真阅读）

为了安全工作，请仔细阅读以下部分，并保存此说明书，以便需要的时候再查看这些要点。

For safe operation,please read the followings carefully,and keep this catalog so that you can review these important points when necessary.

⚠ 危 险

以下使用错误可能导致生命危险或严重伤害。

- 为安全工作，联轴器和其他旋转件必须有外罩保护。如果您触碰这些工作中的部件，可能会受到伤害。
- 为防止危险，必须安装防护装置。
- 安装和拆卸时必须切断电源。
- 紧固螺丝和沉头螺丝应使用起子，扳手或扭力板手以适当的力量拧紧。
- 产品的工作转速不能超过最大转速。
- 禁止拆卸或重组产品。

⚠ 警 告

下列使用错误可能导致身体伤害或财产损失。

- 请在容许偏差范围内工作。在偏差超出容许值时工作，可能会导致联轴器的损坏，并可能对使用联轴器的系统造成不利影响。
- 连续工作产生的扭矩不能超过额定扭矩，否则联轴器可能会受到损坏，或可能对使用联轴器的系统造成不利影响。
- 紧固时，使用我们指定的螺丝（紧固螺丝或沉头螺丝），而不要使用其他产品。
- 不要在对产品产生不利影响的环境下工作。
- 如果听到非正常噪音，请立刻停止旋转机械工作，检查机械的偏差，轴是否相互接触干涉，螺丝是否松脱等。
- 如果您使用的旋转机械在负荷变化比较大的情况下工作，请在螺丝上使用防松胶防止其脱落，或使用大一型号的联轴器。
- 废弃处理时，请专家来处理这类产品，以避免对环境造成破坏。
- 刚完成工作后，不要触碰联轴器，您可能会被使用联轴器的系统的高温烫伤。

⚠ Danger

The following incorrect use may lead to death or serious injury.

- For safe operation,couplings and other rotational parts must be protected by covers.You might be injured if you touch the products during operation.
- Safety devices must be equipped to prevent danger.
- Electrical power must be off during attachment and removal process.
- Setscrews or cap screws should be properly tightened using a torque driver or a torque wrench.
- The product must not be operated at rotational speeds beyond the max.rotational frequency.
- Do not disassemble or reorganize the product.

⚠ Caution

The following incorrect use may lead to physical injury or substantial loss.

- Operate the product within the values of allowable misalignment.Operation under misalignment exceeding allowable values may result in the damage of the couplings ,and adversely affect the systems in which these couplings are used.
- Torque generated during continuous operation must not exceed the rated torque.If not,the couplings may be damaged,or adversely affect the systems in which these couplings are used.
- For fastening,do not use other screws than the ones (setscrews or cap screws) specified by us.
- Do not operate under an environment which adversely affects the product.
- Stop the rotation machine immediately if you hear an abnormal noise coming from it.Proceed to check the machine for misalignment,whether or not shafts are in contact each other,loose screws,etc.
- If you are using a rotation machine that comes under significant load fluchuation,apply an adhesive on the screws to prevent them from becoming loose,or use a coupling one rank above.
- When disposing,ask specialists for disposal of this kind of product in order not to harm the environment.
- Do not touch the coupling just after finishing operation.You might be scalded by heat inducted from the system in which the couplings are used.