

## 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 elastic spiders are available
- Identical clockwise and anticlockwise rotational characteristics
- Coupling body is steel, high torque capacity
- Keyway type

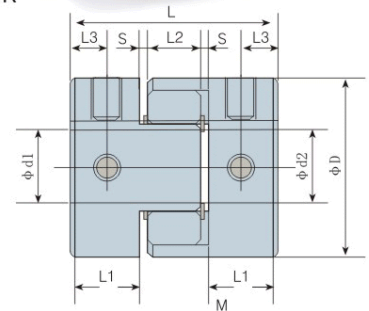
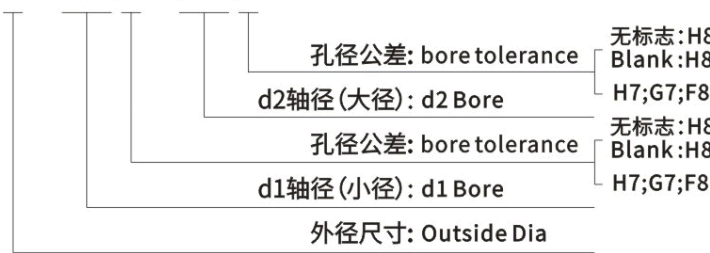


主体: 铁合金材料

Body: Steel  
LK22-80K~LK22-135K

## 选型举例: Ordering Information

LK22 - □ - □□□ - □□□ - R



LK22-30

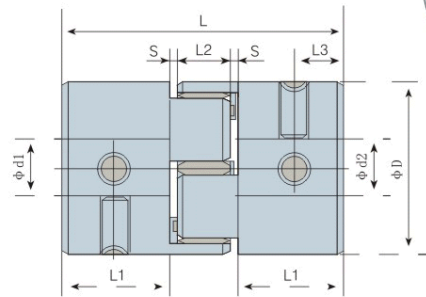
## 例: LK22-30K-10-12-R

- 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

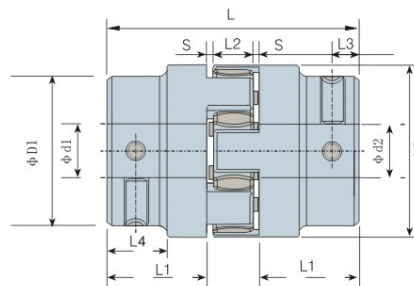
### Example: LK22-30K-10-12-R

- LK22: Series NO, Material: C45 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





## 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.m <sup>2</sup> )	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	$1.6 \times 10^{-5}$	130	0.09	0.9	$+1.0_0$	110
LK22-40K-□□□-□□□-R	21	10000	$1.0 \times 10^{-4}$	1200	0.06	0.9	$+1.2_0$	363
LK22-55K-□□□-□□□-R	60	8000	$4.5 \times 10^{-4}$	2600	0.1	0.9	$+1.4_0$	938
LK22-65K-□□□-□□□-R	160	6000	$9.7 \times 10^{-4}$	4900	0.1	0.9	$+1.5_0$	1357
LK22-80K-□□□-□□□-R	325	4600	$2.2 \times 10^{-3}$	6500	0.1	0.9	$+1.8_0$	2239
LK22-95K-□□□-□□□-R	450	3800	$5.1 \times 10^{-3}$	8900	0.1	0.9	$+2.0_0$	3527
LK22-105K-□□□-□□□-R	525	3400	$8.6 \times 10^{-3}$	25759	0.1	0.9	$+2.1_0$	4934
LK22-120K-□□□-□□□-R	685	3000	$1.8 \times 10^{-2}$	32117	0.1	0.9	$+2.2_0$	7892
LK22-135K-□□□-□□□-R	940	2600	$2.9 \times 10^{-2}$	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。

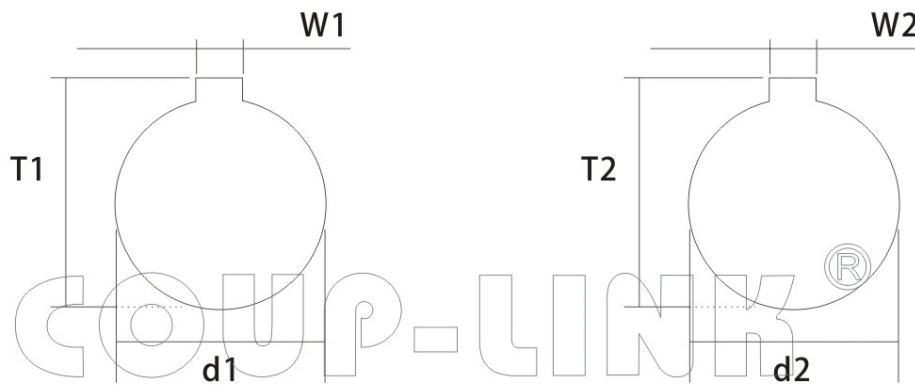
Note:

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

COUP-LINK®

**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