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**Gear Couplings**

齿式联轴器

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## 齿式联轴器结构特点及应用

### The structural features and application of the gear couplings

在当今工业领域的传动系统中，联轴器的功能和作用不尽相同，但用量最大的联轴器如：重型、冶金、矿山、机械、起重运输、石油、化工、轻工、汽车、机车、船舶、水泵、风机、压缩机等机械产品轴系传动中的联轴器，其主要功能是传递动力。

科技和工业的发展，促进了大功率、高速、高精度以及低速、重载机械产品和设备的发展，对其传动系统联轴器也提出了新的要求，除传递转矩和运动外，还要求具有补偿两轴相对偏移、提高传动效率、提高传动精度、节能、改善传动系统性能、重量轻、承载能力大、可靠性高等综合要求，在这种情况下，齿式联轴器是理想的解决方案。

In the transmission system of today's industry, the function and role of couplings is different. However, the largest usage of couplings, such as: heavy duty, metallurgy, mine, machinery, crane transport, petroleum, chemical industry, light industry, automobile, engine, shipping, water pumps, draught fan, compressors, etc., which are used in the shafting transmission, the main function is to transfer power.

The development of technology and industrial promoted the evolution of high-power, high-speed, high precision and low-speed, heavy load machinery products and equipments, and raised new requirements for transmission couplings. Besides transfer torque and motion, it also required to offset the relative shift of two shafts, to improve the transmission efficiency and accuracy, to decrease energy consumption, to improve transmission performance, light weight, large load carrying capacity, high reliability, etc. In this case, the gear couplings is the ideal solution.

## ● 结构特点

### Structural features

- ◆ 结构紧凑、重量轻、承载能力大，与其他联轴器相比，其扭矩重量比最大，传递扭矩可在250—630000N·m范围内进行设计；
  - ◆ 具有对安装误差补偿功能，同时实现径向、轴向、角度偏差组合的补偿；
  - ◆ 转速范围宽，与其他联轴器相比，其转速重量比最大；
  - ◆ 传动效率高；
  - ◆ 传动精度高；
  - ◆ 可靠性高；
  - ◆ 使用维护成本低。
- ◆ Compact structure, light weight, large carrying capacity. Its maximum torque weight ratio compared with other couplings, the transferred torque can be designed in the range of 250– 630000 N·m;
  - ◆ Possess the installation error compensation function, while achieving radial, axial and angular misalignments combined compensation;
  - ◆ Compared with other couplings, the rotary speed range is wide and its speed weight ratio is max;
  - ◆ High transmission efficiency;
  - ◆ High transmission accuracy;
  - ◆ High reliability;
  - ◆ Use and maintenance cost is low.



## 齿式联轴器结构特点及应用

### The structural features and application of the gear couplings

## ● GA、GB齿式联轴器特点

### The features of GA, GB gear couplings

- ◆ 索达联轴器产品由本公司自行开发、设计、采购、生产、销售，保证了产品质量、交货期和高性价比；
- ◆ GA、GB联轴器采用不同的材料和热处理工艺，制造出不同性能的产品以扩大选择范围，让客户得到最好性价比的产品；
- ◆ GA、GB系列联轴器外齿可正反装配以得到三种不同的轴向距离，方便客户使用；
- ◆ 同规格零件可以互换，优化生产和使用；
- ◆ 可按照不同的功能需要进行集成、组合，最好的满足客户需求；
- ◆ 对齿顶进行修缘，有助于改善啮合性能，消除齿尖负荷，同时也减少间隙和径向间隙，提高传动平稳性；
- ◆ 联轴器零件表面进行特殊处理或涂层保护，提高其耐腐蚀性能；
- ◆ 联轴器紧固件镀锌处理，以防止腐蚀和生锈，保证可拆卸、可组装；
- ◆ 12.9级高强度优质紧固件提供联轴器失效额外保护；
- ◆ 数控、磨加工，产品精度高。



- ◆ Suoda couplings products by the couplings on its own development, design, procurement, production, sales, ensure the product quality, delivery time and high performance cost ratio.
- ◆ GA, GB couplings adopted the different materials and heat treatment process, manufactured the products with different performance, to expand the scope of the choice, let the customer get the best cost-effective products.
- ◆ The outer tooth of GA and GB series couplings can be positive and negative assembled to get the three different axial distance, convenient customer use.
- ◆ The part with the specifications can be interchangeable, to optimize the production and use.
- ◆ According to the different functions requirements to be integrated and combined to best meet customers' needs.
- ◆ To repair the tooth crest, help to improve the meshing performance, eliminate the load of tooth tip, but also reduce the gap and radial gap and increase the transmission stability.
- ◆ The part surface of couplings will be special treatment or coating protect, to improve its corrosion resistance.
- ◆ The fasteners of couplings will be galvanized processing, in order to prevent the corrosion and rust, ensure dismountable and can be assembled.
- ◆ 12.9 level of high-strength and high-quality fastener can provide additional protection when the couplings failure.
- ◆ CNC, grinding processing, products are of high precision.

### 齿式联轴器结构特点及应用

The structural features and application of the gear couplings

SD 齿式联轴器共有 9 个系列产品 / SD gear couplings has nine series of products

GA 系列 用于欧洲市场产品配套

GB 系列 在 GA、GC 系列的基础上开发的新系列产品

GC 系列 在 GICL 系列的基础上开发的新系列产品

GD 系列 在 GIICL 系列的基础上开发的新系列产品

GE 系列 在 CL 系列的基础上开发的新系列产品

GF 系列 无法兰式齿式联轴器

GS 系列 安全齿式联轴器

GZ 系列 轧机用齿式联轴器

GJ 系列 卷筒齿式联轴器

GA series used for European market of Products supporting

GB series is the new development products based on GA、GC series

GC series is the new development products based on GICL series

GD series is the new development products based on GIICL series

GE series is the new development products based on CL series

GF series gear couplings without flange

GS series safety gear couplings

GZ series gear couplings used in rolling mill

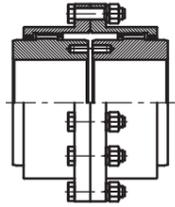
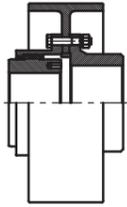
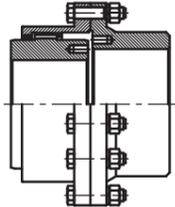
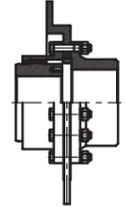
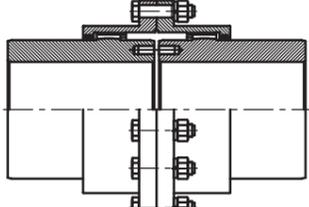
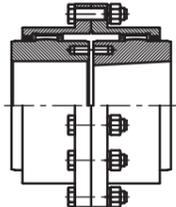
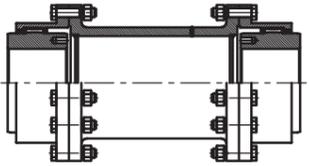
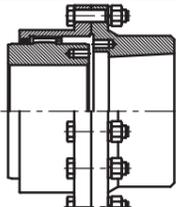
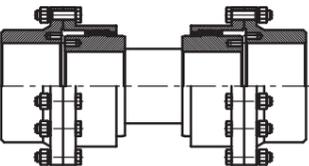
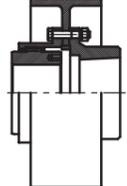
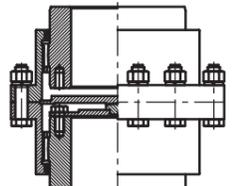
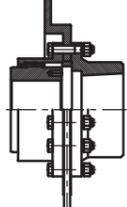
GJ series drum gear couplings

### 齿式联轴器结构型式

The structural style of the gear couplings

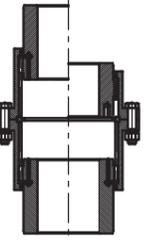
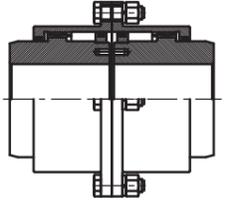
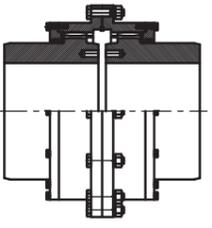
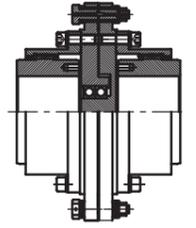
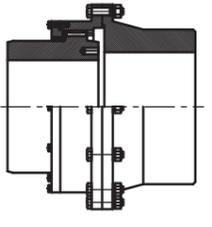
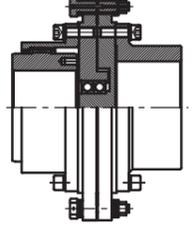
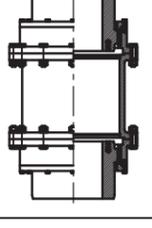
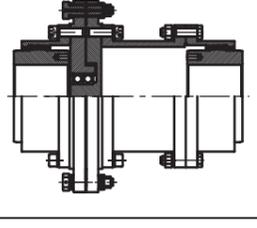
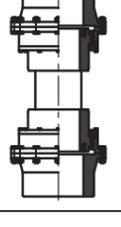
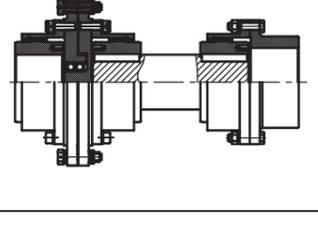
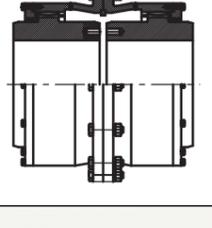
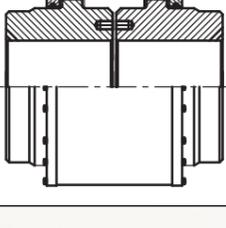
#### ● GB ( GF、GS ) 系列齿轮联轴器结构形式

GB( GF、GS) series gear couplings structural style

	<p>GBB1-15 基本型 转矩范围: 365-220000N·m GBB1-15 Basic type Torque range: 365-220000N·m</p>		<p>GBU1-13 带制动轮接轴型 转矩范围: 610-150000N·m GBU1-13 Connecting shaft type with brake wheel Torque range: 610-150000N·m</p>
	<p>GBZ1-15 GBZL1-15 接轴型 转矩范围: 365-220000N·m GBZ1-15 GBZL1-15 Connecting shaft type Torque range: 365-220000N·m</p>		<p>GBP1-13 带制动盘接轴型 转矩范围: 610-150000N·m GBP1-13 Connecting shaft type with brake disc Torque range: 610-150000N·m</p>
	<p>GBL1-15 GBLL1-15 外齿加长型 转矩范围: 365-220000N·m GBL1-15 GBLL1-15 Outer tooth longer type Torque range: 365-220000N·m</p>		<p>GBM1-13 马达基本型 转矩范围: 610-150000N·m GBM1-13 Basic motor type Torque range: 610-150000N·m</p>
	<p>GBT1-15 带接管型 转矩范围: 365-220000N·m GBT1-15 With connecting tubing type Torque range: 365-220000N·m</p>		<p>GBZM1-13 马达接轴型 转矩范围: 610-150000N·m GBM1-13 Motor connecting shaft type Torque range: 610-150000N·m</p>
	<p>GBS1-15 带接管型 转矩范围: 365-220000N·m GBS1-15 With connecting pipe type Torque range: 365-220000N·m</p>		<p>GBUM1-13 带制动轮马达接轴型 转矩范围: 610-150000N·m GBUM1-13 Motor connecting shaft type with brake wheel Torque range: 610-150000N·m</p>
	<p>GBV1-15 立式安装型 转矩范围: 365-220000N·m GBV1-15 Vertical mounting type Torque range: 365-220000N·m</p>		<p>GBPM1-13 带制动盘马达接轴型 转矩范围: 610-150000N·m GBPM1-13 Motor connecting shaft type with brake disc Torque range: 610-150000N·m</p>

## 齿式联轴器结构型式

The structural style of the gear couplings

	GBH1-15 GBHH1-15 滑移型 转矩范围: 365-220000N·m GBH1-15 GBHH1-15 Sliding type Torque range: 365-220000N·m		GSB1-15 安全销基本型 转矩范围: 365-220000N·m GSB1-15 Basic type of safety pin Torque range: 365-220000N·m
	GBZB16-25 大规格基本型 转矩范围: 220-5880KN·m GBZB16-25 Large size basic type Torque range: 220-5880KN·m		GSF1-15 安全销法兰型 转矩范围: 365-220000N·m GSF1-15 Safety pin flange type Torque range: 365-220000N·m
	GBZZ16-25 大规格接轴型 转矩范围: 220-5880KN·m GBZZ16-25 Large-size connecting shaft type Torque range: 220-5880KN·m		GSZ1-15 安全销接轴型 转矩范围: 365-220000N·m GSZ1-15 Safety pin connecting shaft type Torque range: 365-220000N·m
	GBZT16-25 大规格带接管型 转矩范围: 220-5880KN·m GBZT16-25 Large-size connecting pipe type Torque range: 220-5880KN·m		GST1-15 带接管安全销型 转矩范围: 365-220000N·m GST1-15 Safety pin with connecting tubing type Torque range: 365-220000N·m
	GBZS16-25 大规格带接轴型 转矩范围: 220-5880KN·m GBZS16-25 Large-size with connecting shaft type Torque range: 220-5880KN·m		GSS1-15 带接轴安全销型 转矩范围: 365-220000N·m GSS1-15 Safety pin with connecting shaft type Torque range: 365-220000N·m
	GBZC16-25 大规格长内齿基本型 转矩范围: 220-5880KN·m GBZC16-25 Large size long inner tooth basic type Torque range: 220-5880KN·m		GFB1-15 无法兰基本型 转矩范围: 277-6540KN·m GFB1-15 Basic type without flange Torque range: 277-6540KN·m

## 齿式联轴器的选型

The model selection of the gear couplings

选用齿式联轴器时, 根据基本信息, 计算转矩初步选定联轴器型号规格。再从标准中查出相应型号规格对应的最大孔径、最大径向尺寸(回转空间)、许用转速是否能满足联轴器的工作条件, 以确定选用齿式联轴器型号规格。

When to select and use the gear couplings, according to the basic information and calculate the torque, preliminary select couplings model specification. Then from standard found the corresponding specifications corresponding to the maximum pore size, the maximum radial dimension (Rotary space) and the allowable speed whether can meet couplings working conditions to determine the selection and usage of gear couplings model specifications.

## ● 选用联轴器按以下步骤进行

According to the following steps to select and use couplings

## 1.1 选用基本信息 / The selection and use of the basic information

驱动器名称、驱动器数量、输入功率、工作转速、工作机名称、载荷类别、工作环境、工作性质、是否频繁启动、是否正反转、输入输出轴直径及长度

Drive machine names, drive machine quantity, input power, working speed, work machine name, load type, working environment, nature of work, whether frequent start, whether positive & negative, input and output shaft diameter and length.

基本信息见附表1

Basic information see table 1.

## 1.2 选用计算 / The selection and calculation

联轴器的主要参数是公称转矩 $T_n$ , 选用时各转矩间应符合以下关系:

The main parameter of the couplings is the nominal torque  $T_n$ , among various torque when selection should accord with the following relationship:

$$T < T_c \leq T_n \leq [T] < [T_{max}] < T_{max}$$

式中:  
 $T$ —理论转矩, N·m  
 $T_c$ —计算转矩, N·m  
 $T_n$ —公称转矩, N·m  
 $[T]$ —许用转矩, N·m  
 $[T_{max}]$ —许用最大转矩, N·m  
 $T_{max}$ —最大转矩, N·m

$$T < T_c \leq T_n \leq [T] < [T_{max}] < T_{max}$$

In the formula:  
 $T$ — theoretical torque, N·m  
 $T_c$ — calculated torque, N·m  
 $T_n$ — nominal torque, N·m  
 $[T]$ — allowable torque, N·m  
 $[T_{max}]$ — allowable maximum torque, N·m  
 $T_{max}$ — max torque, N·m

## 1.2.1 联轴器的理论转矩计算 / The theory torque calculation of the couplings

$$T = 9550P_w/n$$

式中:

$P_w$ —驱动功率, Kw  
 $n$ —工作转速, r/min

$$T = 9550P_w/n$$

In the formula:

$P_w$ — driving power, Kw  
 $n$ — working speed, r/min

## 齿式联轴器的选型

The model selection of the gear couplings

## 1.2.2 联轴器的计算转矩计算 / The torque calculation of the couplings

计算公式  $T_c = T \cdot K_w \cdot K \cdot K_z$ 

式中:

K<sub>w</sub>—动力机系数 (见 表1)

K—工况系数 (见 表1)

K<sub>z</sub>—启动系数 (见 表1)Calculation formula  $T_c = T \cdot K_w \cdot K \cdot K_z$ 

In the formula:

K<sub>w</sub> — Coefficient of engine (see table 1)

K — working condition coefficient (see table 1)

K<sub>z</sub> — start coefficient (see Table 1)

表1 / Table 1

动力机系数K <sub>w</sub> Coefficient of engine Kw	动力机名称 Engine name	启动系数K <sub>z</sub> Start coefficient Kz	启动次数 Number of starts	工况系数K Working condition coefficient	载荷分类 Load type	工作机名称举例 Work machine names example
1.0	电动机、透平机 The motor and turbine	1.0	≤120	1	均匀载荷 Even load	鼓风机、泵、压缩机、液体搅拌设备、机纺织机械(印花机、浆纱机)、造纸设备、(漂白机、校平机)、均匀加载输送机 Blower, pump, compressor, liquid mixing equipment, textile machinery (printing machine, sizing machine), papermaking equipment, bleaching machine, leveling machine, uniform loading conveyor
1.2	四缸及四缸以上内燃机 Four and more than four cylinder internal combustion engine	1.3	> 120 ~ 240	1.5	轻冲击载荷 Light impact load	机纺织机械(压榨机、卷取机)、造纸设备(卷取机)、不均匀加载输送机、给料机、印刷机械 Textile machinery (squeezing machine, recoiling machine), papermaking equipment (recoiling machine), non-uniform loading conveyor, feeding machine, printing machine
1.4	两缸内燃机 Two cylinder internal combustion engine	由制造厂确定 Determined by the manufacturer	> 240	2	中等冲击载荷 Medium impact load	提升机械、起重机和卷扬机、旋转式粉碎机、轧制设备、石油机械、造纸设备(搅拌器和破碎机 卷筒装置、切断机) Lifting machinery, crane and windlass, rotary crusher, rolling equipment, oil machinery, papermaking equipment (agitator and crusher, cutter)
1.6	单缸内燃机 Single cylinder internal combustion engine			2.5	重冲击载荷 Heavy impact load	摆动输送机、碎矿机、碎石机、往复式给料机、橡胶机械 Swinging conveyor, crusher, stone crusher, reciprocating feeding machine, rubber machinery
				3	特重冲击载荷 Extra heavy impact load	可逆输送辊道、初轧机、中厚板轧机、机架辊、剪切机、冲压机 Reversible roller conveyer, blooming mill, plate mill, the breastroll, shearing machine, punching machine

## 1.2.3 当存在下列情况时, 应按以下方法计算选型 / When the presence of the following situation, it should be calculated and selection by the following method

① 高峰值载荷

② 刹车制动 (制动轮或制动盘为联轴器的一部分)

③ 高频率轴向窜动

High peak loads

Brake (brake wheel or brake disc is part of the couplings)

High frequency axial channeling move

## 齿式联轴器的选型

The model selection of the gear couplings

## 峰值载荷: / Peak load

当电机功率大、有冲击载荷、频繁启动和制动、有间歇性运转等系统存在反复性峰值载荷时, 联轴器额定转矩等于或大于根据下式计算出的选型转矩。

When the motor power is big, impact load, frequent starting and braking, intermittent operation and so on, such as when system exists repetitive peak load, the couplings torque rating equal or greater than selection torque calculated according to the following formula.

## ◆ a. 无反向峰值载荷 / No reverse peak load

选型转矩 (N·m) = 系统峰值转矩

选型转矩 (N·m) = 系统峰值功率 (Kw) × 9550 / 转速 (rpm)

Selection torque (N·m) = system peak torque

Selection torque (N·m) = system peak power (Kw) × 9550 / rotate speed (rpm)

## ◆ b. 有反向峰值载荷 / Have reverse peak load

选型转矩 (N·m) = 1.5 × 系统峰值转矩

选型转矩 (N·m) = 1.5 × 系统峰值功率 (Kw) × 9550 / 转速 (rpm)

Selection torque (N·m) = 1.5 × system peak torque

Selection torque (N·m) = 1.5 × system peak power (Kw) × 9550 / rotate speed (rpm)

## ◆ c. 偶然峰值载荷 (无反向) / Occasional peak load (no reverse)

在联轴器的预期寿命期间, 如果系统峰值载荷出现次数少于1000次, 使用下面公式:

选型转矩 (N·m) = 0.5 × 系统峰值转矩

选型转矩 (N·m) = 0.5 × 系统峰值功率 (Kw) × 9550 / 转速 (rpm)

对于反向情况, 选用步骤b。

During the couplings of the expectation life, if the system peak load appeared a number less than 1000 times, using the following formula:

Selection torque (N·m) = 0.5 × system peak torque

Selection torque (N·m) = 0.5 × system peak power (Kw) × 9550 / rotate speed (rpm)

For reverse situation, selects the step b.

## 制动 / Brake

如果制动力矩超过电机转矩, 根据下式计算选型转矩:

选型转矩 (N·m) = 制动力矩 × 工况系数

If the braking torque exceed the motor torque, according to following formula to select model and torque:

Selection torque (N·m) = brake torque × application fac

## 高频率轴向窜动 / High frequency axial channeling shift

如果轴向窜动超过每小时5次, 那么工况系数需增加0.25.

选型转矩 (N·m) = 功率 (Kw) × 9550 × (工况系数 + 0.25) / 转速 (rpm)

If the axial channeling move exceed more than 5 times per hour, so the working condition coefficient should be increased by 0.25.

Selection torque (N·m) = power (Kw) × 9550 × (application factor + 0.25) / rotate speed (rpm)

## 齿式联轴器的选型

The model selection of the gear couplings

### 1.3 初选联轴器型号规格 / The preliminary selection of the couplings model specifications

### 1.4 选型验证 / Selection validation

### 1.5 确定联轴器型号规格 / To determine the couplings model specifications

### 1.6 产品标记 / Product mark

#### ● 选型示例 Selection example

### 2.1 基本信息 / General information

电机额定功率: 30Kw  
输出转速: 1500rpm  
输入轴径d1: 48mm  
输出轴径d2: 35mm  
输入、输出端距离: 3mm  
工作温度: -30 °C ~ 120 °C  
载荷性质: 重冲击载荷  
工作环境: 有灰尘等  
工作性质: 连续

Rated motor power: 30Kw  
Output speed: 1500rpm  
Input shaft diameter d1: 48mm  
Output shaft diameter d2: 35mm  
Input and output end distance: 3mm  
Working temperature: -30 ~ 120  
Load properties: heavy impact load  
Working environment: such as dust etc  
Nature of work: continuous

### 2.2 选用计算 / Select & use, calculation

根据基本信息,  
本项目选用SD标准GA齿式联轴器。  
选型计算  
理论转矩计算  
 $T=9550Pw/n=9550*30/1500=191$  ( N·m )  
计算转矩计算  
计算公式  $T_c=T \cdot K_w \cdot K \cdot K_z$   
式中:  
Kw取1 / K取2.5 / Kz取1  
 $T_c=191*1*2.5*1=477.5$  ( N·m )

According to the general information, this project should select and use the SD standard GA gear couplings.  
Selection & calculation  
Theoretical torque calculation  
 $T=9550Pw/n=9550*30/1500=191$  ( N·m )  
Calculated torque  
Computational formula  $T_c=T \cdot K_w \cdot K \cdot K_z$   
In this formula:  
Kw choose 1 / K choose 2.5 / Kz choose 1  
 $T_c=191*1*2.5*1=477.5$  ( N·m )

### 2.3 初选联轴器型号规格

#### / The preliminary selection of the couplings model specifications

GAB1公称转矩 1800 N·m  
满足转矩要求 初选联轴器型号 GAB1

The nominal torque of GAB1 1800 N·m.  
Meet the torque requirement. primary selection of GAB1.

### 2.4 验证 / Verification

## 齿式联轴器的选型

The model selection of the gear couplings

### 2.4.1 孔径 / Bore diameter

GAB1 最大孔径 52mm  
满足孔径要求

GAB1 The max bore diameter is 52mm.  
Meet the requirements of bore diameter.

### 2.4.2 回转空间 (与现场条件比较) / Rotary space (compared with on site conditions)

现场对联轴器最大外径没有限制  
GAB1 满足回转空间要求

On work site, there is no limit for the max diameter of couplings.  
GAB1 Meet the requirements of rotary space.

### 2.4.3 许用转速 / Allowable speed

GAB1 许用转速 6000rpm  
联轴器实际输出转速 1500rpm  
GAB1 满足许用转速

GAB1 The allowable speed is 6000rpm.  
The actual output speed of couplings is 1500rpm.  
GAB1 Meet the allowable rotate speed.

### 2.5 选定联轴器型号规格 / Selected couplings model specifications

因输入、输出端距离 3mm  
选定联轴器型号规格如下:  
GAB1 48\*L/35\*L C=3

Because of the input and output end distance is 3mm,  
the selection of the couplings model specifications as follow:  
GAB1 48\*L/35\*L C=3

### 2.6 标记示例 / Marking Example

GAB1 齿式联轴器  
输入端: J1 型轴孔, A型键槽, d=48mm, L=43mm  
输出端: J1 型轴孔, A型键槽, d=35mm, L=43mm  
GAB1 联轴器 J1 A 48\*43/ J1 A 35\*43 间距C=3

GAB1 Gear couplings  
Input end: J1 type shaft hole, Type A keyway, d=48mm, L=43mm  
Output end: J1 type shaft hole, Type A keyway, d=35mm, L=43mm  
GAB1 couplings J1 A 48\*43/ J1 A 35\*43 spacing C=3

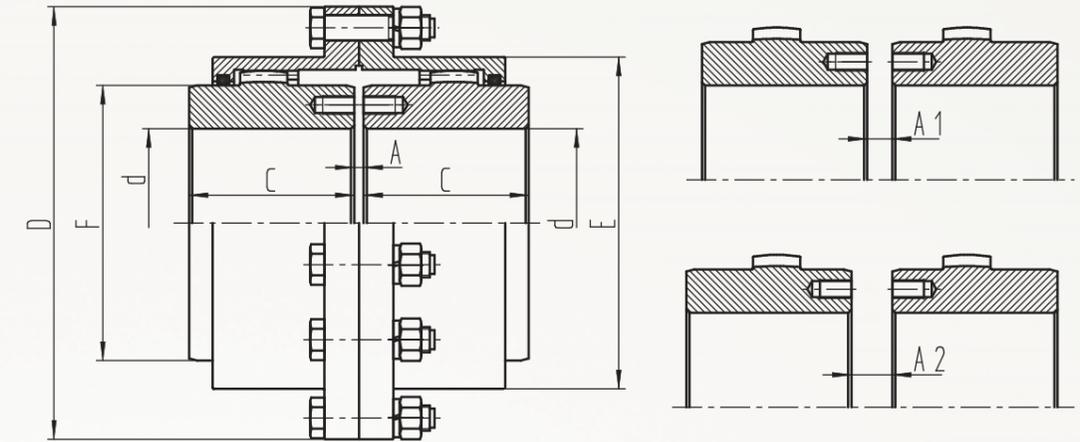
### 齿式联轴器的选型

The model selection of the gear couplings

动力机系数K <sub>w</sub> Coefficient of engine Kw	动力机名称 Engine name	启动系数K <sub>z</sub> Start the coefficient of Kz	启动次数 Number of starts	工况系数K Working condition coefficient	载荷分类 Load type	工作机名称举例 Work machine names example
1.0	电动机、透平机 The motor and turbine	1.0	≤120	1	均匀载荷 Even load	鼓风机、泵、压缩机、液体搅拌设备、机纺织机械（印花机、浆纱机）、造纸设备、（漂白机、校平机）、均匀加载输送机 Blower, pump, compressor, liquid mixing equipment, textile machinery( printing machine, sizing machine), papermaking equipment, bleaching machine, leveling machine, uniform loading conveyor
1.2	四缸及以上内燃机 Four and more than four cylinder internal combustion engine	1.3	120 ~ 240	1.5	轻冲击载荷 Light impact load	机纺织机械（压榨机、卷取机）、造纸设备（卷取机）、不均匀加载输送机、给料机、印刷机械 Textile machinery (squeezing machine, recoiling machine), papermaking equipment (recoiling machine), non-uniform loading conveyor, feeding machine, printing machine
1.4	二缸内燃机 Two cylinder internal combustion engine	由制造厂确定 Determined by the manufacturer	> 240	2	中等冲击载荷 Medium impact load	提升机械、起重机和卷扬机、旋转式粉碎机、轧制设备、石油机械、造纸设备（搅拌器和破碎机卷筒装置、切断机） Lifting machinery, crane and windlass, rotary crusher, rolling equipment, oil machinery, papermaking equipment (agitator and crusher, cutter)
1.6	单缸内燃机 Single cylinder internal combustion engine			2.5	重冲击载荷 Heavy impact load	摆动输送机、破碎机、碎石机、往复式给料机、橡胶机械 Swinging conveyor, crusher, stone crusher, reciprocating feeding machine, rubber machinery
				3	特重冲击载荷 Extra heavy impact load	可逆输送辊道、初轧机、中厚板轧机、机架辊、剪切机、冲压机 Reversible roller conveyer, blooming mill, plate mill, the breast roll, shearing machine, punching machine

### 齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

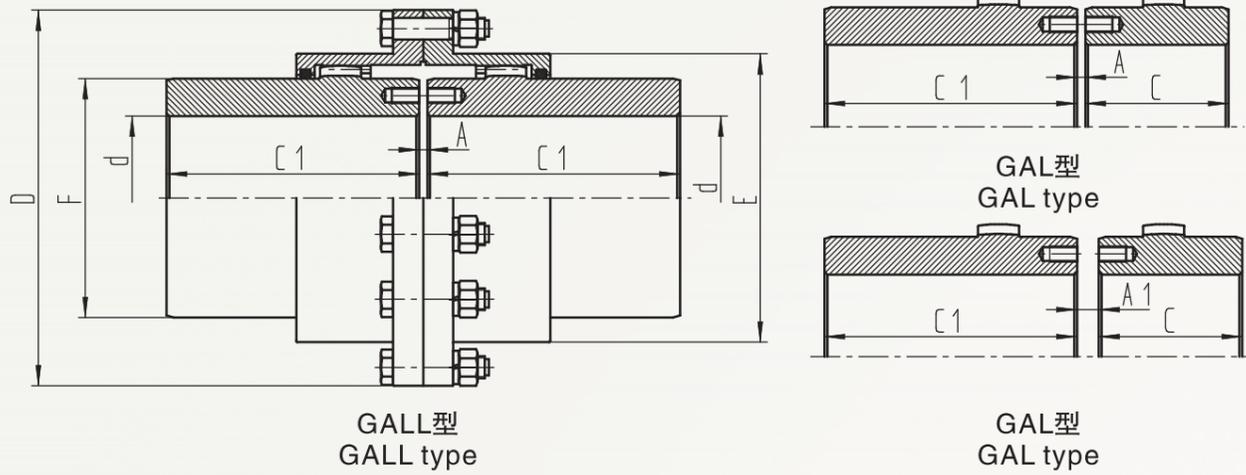


GAB型  
GAB type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm r/min	孔径 Diameter mm	主要尺寸 Main Dimension mm						重量 Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	A	A1	A2	E			F
1	1.80	2.5	6000	12-52	111	43	3	5	7	82.5	69	4.3	0.08
2	2.76	3.9	4620	18-62	142	50	3	8	13	104.5	85	7.5	0.09
3	5.55	7.8	4140	28-78	168	62	3	14	25	130.5	107	13.5	0.16
4	8.70	12.2	4000	40-98	200	76	5	12	19	158.5	133	25	0.27
5	14.10	19.7	3860	50-112	225	90	5	24	43	183.5	152	37	0.47
6	22.80	31.9	3720	60-132	265	105	6	27	48	211.5	178	60	0.68
7	34.80	48.7	3190	70-156	300	120	8	32	58	245.5	209	90	0.93
8	44.00	61.6	2900	85-174	330	135	8	37	66	275	234	124	1.54
9	69.80	97.7	2570	95-190	370	150	8	50	92	307	254	170	2.28
10	83.80	117.3	2330	110-210	406	175	8	53	98	335	279	233	3.10
11	152.0	212.8	2150	120-233	438	190	8	58	108	367	305	298	3.90
12	203.5	284.9	1800	130-280	505	220	10	72	134	423	355	457	6.20

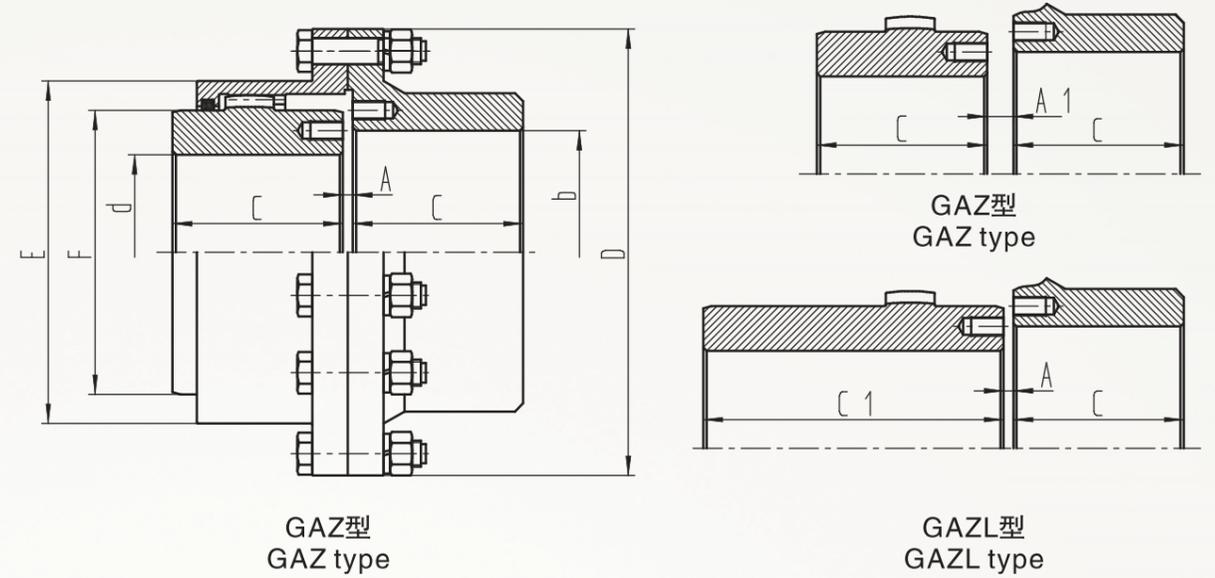
齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

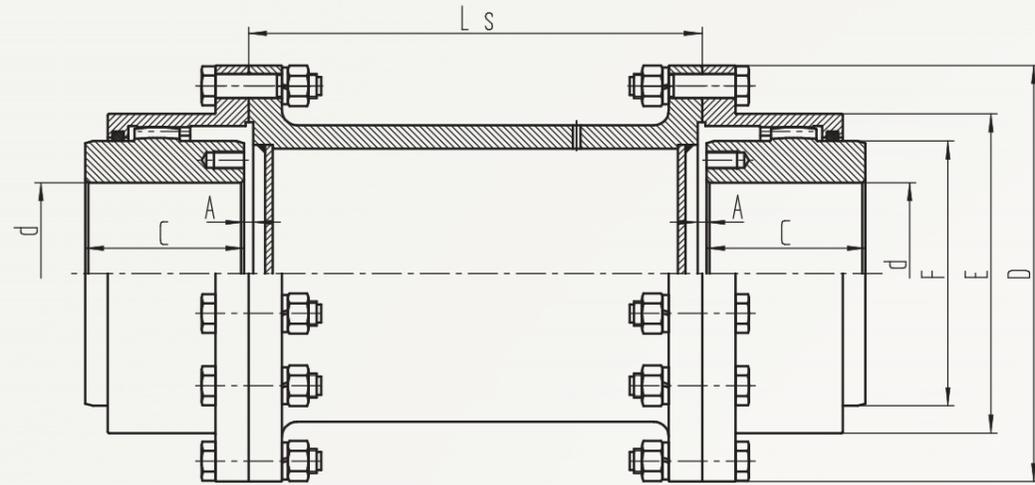


规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm						重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	C1	A	A1	E			F
1	1.80	2.5	6000	12-52	111	43	105	3	5	82.5	69	8	0.08
2	2.76	3.9	4620	18-62	142	50	115	3	8	104.5	85	13	0.09
3	5.55	7.8	4140	28-78	168	62	130	3	14	130.5	107	23	0.16
4	8.70	12.2	4000	40-98	200	76	150	5	12	158.5	133	41	0.27
5	14.10	19.7	3860	50-112	225	90	170	5	24	183.5	152	60	0.47
6	22.80	31.9	3720	60-132	265	105	185	6	27	211.5	178	91	0.68
7	34.80	48.7	3190	70-156	300	120	215	6	32	245.5	209	141	0.93
8	44.00	61.6	2900	85-174	330	135	245	8	37	275	234	199	1.54
9	69.80	97.7	2570	95-190	370	150	295	8	50	307	254	285	2.28
10	83.80	117.3	2330	110-210	406	175	300	8	53	335	279	352	3.10
11	152.0	212.8	2150	120-233	438	190	305	8	58	367	305	428	3.90
12	203.5	284.9	1800	130-280	505	220	310	10	72	423	355	590	6.20

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm						重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	C1	A	A1	E			F
1	1.80	2.5	6000	12-52	111	43	105	3	5	82.5	69	4.5	0.04
2	2.76	3.9	4620	18-62	142	50	115	3	8	104.5	85	8	0.05
3	5.55	7.8	4140	28-78	168	62	130	3	14	130.5	107	14	0.08
4	8.70	12.2	4000	40-98	200	76	150	5	12	158.5	133	26	0.14
5	14.10	19.7	3860	50-112	225	90	170	5	24	183.5	152	39	0.24
6	22.80	31.9	3720	60-132	265	105	185	6	27	211.5	178	63	0.34
7	34.80	48.7	3190	70-156	300	120	215	6	32	245.5	209	95	0.47
8	44.00	61.6	2900	85-174	330	135	245	8	37	275	234	131	0.77
9	69.80	97.7	2570	95-190	370	150	295	8	50	307	254	180	1.14
10	83.80	117.3	2330	110-210	406	175	300	8	53	335	279	248	1.55
11	152.0	212.8	2150	120-233	438	190	305	8	58	367	305	318	1.95
12	203.5	284.9	1800	130-280	505	220	310	10	72	423	355	488	3.10

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GAT型  
GAT type

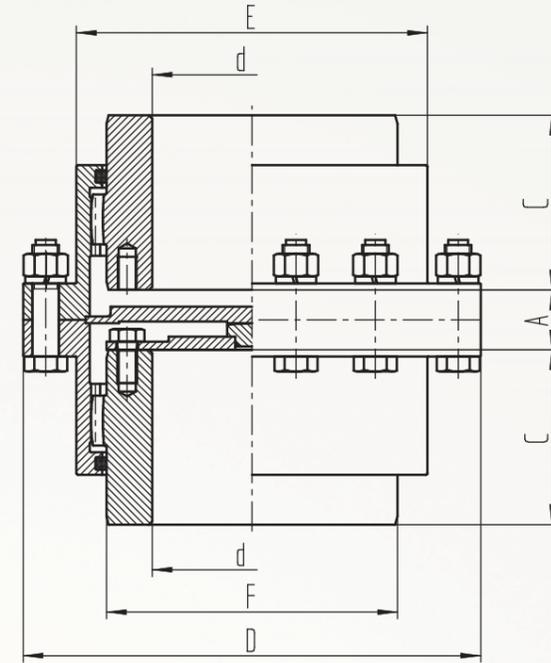
规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	Ls Min.	A	E			F
1	2.76	3.9	6930	18-62	142	50	80	1.5	104.5	85	7.5+G	0.10
2	5.55	7.8	6210	28-78	168	62	80	1.5	130.5	107	13.5+G	0.18
3	6.70	12.2	6000	40-98	200	76	90	2.5	158.5	133	25+G	0.30
4	14.10	19.7	5790	50-112	225	90	90	2.5	183.5	152	37+G	0.52
5	22.80	31.9	5580	60-132	265	105	90	3	211.5	178	60+G	0.75
6	34.80	48.7	4780	70-156	300	120	100	3	245.5	209	90+G	1.02
7	44.00	61.6	4350	85-174	330	135	100	4	275	234	124+G	1.69
8	69.60	97.7	3850	95-190	370	150	100	4	307	254	170+G	2.50
9	83.80	117.3	3480	110-210	406	175	110	4	335	279	233+G	3.41
10	152.0	212.8	3220	120-233	438	190	110	4	367	305	298+G	4.29
11	233.5	284.9	2700	130-280	505	220	130	5	423	355	457+G	6.82

注：G表示接管重量。

Note: G represents the weight of connecting tubing.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

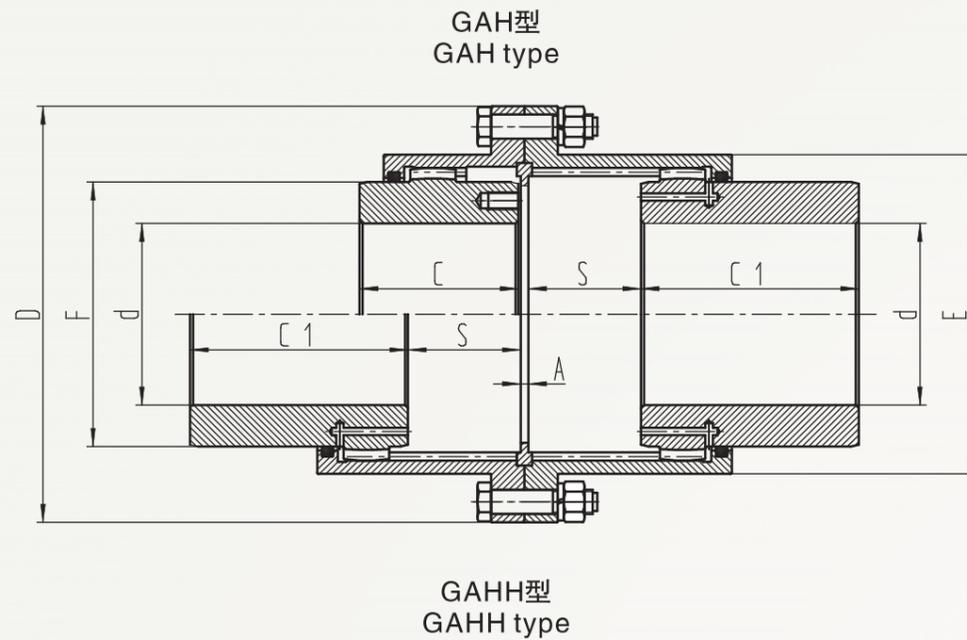


GAV型  
GAV type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
1	1.80	2.5	6000	12-52	111	43	23	82.5	69	4.3	0.08
2	2.76	3.9	4620	18-62	142	50	23	104.5	85	7.5	0.09
3	5.55	7.8	4140	28-78	168	62	31	130.5	107	13.5	0.16
4	8.70	12.2	4000	40-98	200	76	31	158.5	133	25	0.27
5	14.10	19.7	3860	50-112	225	90	43	183.5	152	37	0.47
6	22.80	31.9	3720	60-132	265	105	48	211.5	178	60	0.68
7	34.80	48.7	3190	70-156	300	120	58	245.6	209	90	0.93
8	44.00	61.6	2900	85-174	330	135	66	275	234	124	1.54
9	69.80	97.7	2570	95-190	370	150	92	307	254	170	2.28
10	83.80	117.3	2330	110-210	406	175	98	335	279	233	3.10
11	152.0	212.8	2150	120-233	438	190	108	367	305	293	3.90
12	203.5	284.9	1800	130-280	505	220	134	423	355	457	6.20

齿式联轴器结构型式、基本参数表和主要尺寸

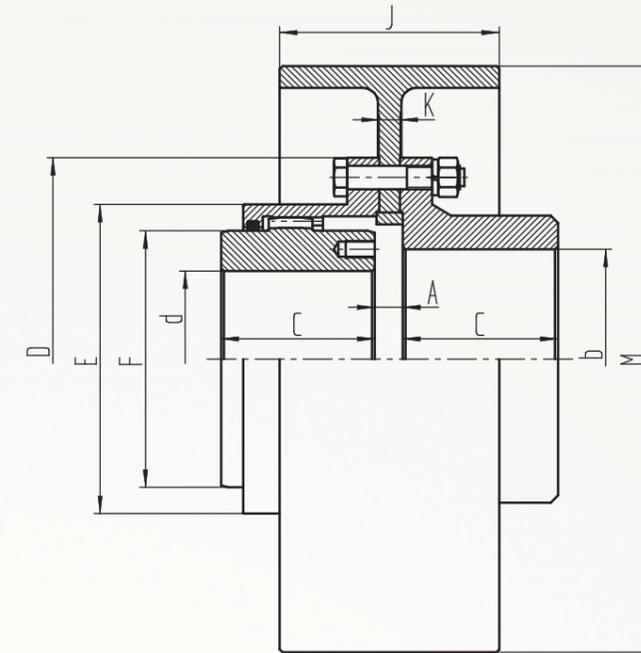
The structural style, basic parameters table and main dimensions of the gear couplings



规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm						
	1045	4140			D	C	C1	A	S	E	F
1	1.80	2.5	6000	12-52	111	43	100	7.69	62	82.5	69
2	2.76	3.9	4620	18-62	142	50	102	7.69	62	104.5	85
3	5.55	7.8	4140	28-78	168	62	110	7.71	64	130.5	107
4	8.70	12.2	4000	40-98	200	76	122	8.80	72	158.5	133
5	14.10	19.7	3860	50-112	225	90	130	8.80	72	183.5	152
6	22.80	31.9	3720	60-132	265	105	144	10.90	80	211.5	178
7	34.80	48.7	3190	70-156	300	120	156	10.98	88	245.5	209
8	44.00	61.6	2900	85-174	330	135	162	14.102	88	275	234
9	69.80	97.7	2570	95-190	370	150	180	14.118	102	307	254
10	83.80	117.3	2330	110-210	406	175	220	14.144	130	335	279
11	152.0	212.8	2150	120-233	438	190	220	14.144	130	367	305
12	203.5	284.9	1800	130-280	505	220	210	16.126	110	423	355

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
1	1.80	2.5	6000	12-52	111	43	3+K	82.5	69	4.5+L	0.05
2	2.76	3.9	4620	18-62	142	50	3+K	104.5	85	8+L	0.07
3	5.55	7.8	4140	28-78	168	62	3+K	130.5	107	14+L	0.1
4	8.70	12.2	4000	40-98	200	76	5+K	158.5	133	26+L	0.19
5	14.10	19.7	3860	50-112	225	90	5+K	183.5	152	39+L	0.32
6	22.80	31.9	3720	60-132	265	105	6+K	211.5	178	63+L	0.46
7	34.80	48.7	3190	70-156	300	120	6+K	245.5	209	95+L	0.63
8	44.00	61.6	2900	85-174	330	135	8+K	275	234	131+L	1.04
9	69.80	97.7	2570	95-190	370	150	8+K	307	254	180+L	1.54
10	83.80	117.3	2330	110-210	406	175	8+K	335	279	248+L	2.1
11	152.0	212.8	2150	120-233	438	190	8+K	367	305	318+L	2.63
12	203.5	284.9	1800	130-280	505	220	10+K	423	355	488+L	4.18

注：K表示制动轮腹板厚度；  
L表示制动轮重量。

Note: K represents the thickness of the brake wheel webs;  
L represents the brake wheel quality.

齿式联轴器结构型式、基本参数表和主要尺寸

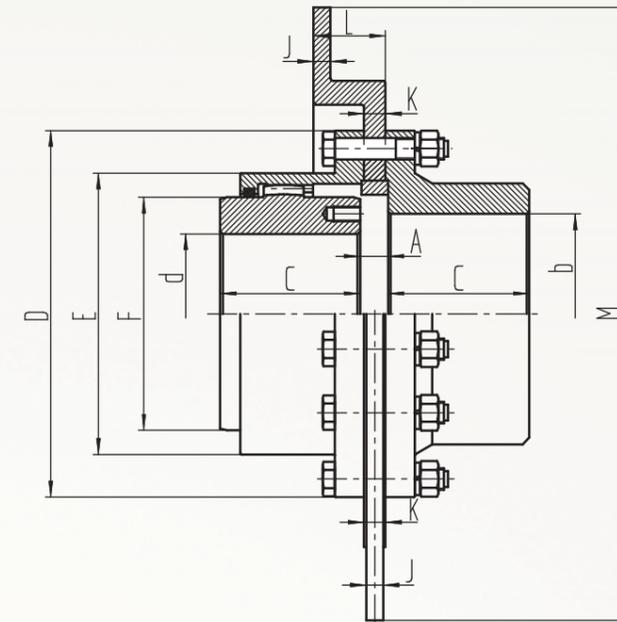
The structural style, basic parameters table and main dimensions of the gear couplings

制动轮 / Brake wheel

M	J	K	规格 Size												
			1	2	3	4	5	6	7	8	9	10	11	12	
200	75	8	■	■	■	■									
250	95	10	■	■	■	■	■	■							
315	118	12			■	■	■	■	■						
400	150	14					■	■	■	■					
500	190	18								■	■	■	■		
630	236	22									■	■	■	■	
710	265	22										■	■	■	■

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GAP型  
GAP type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
1	1.80	2.5	6000	12-52	111	43	3+K	82.5	69	4.5+P	0.05
2	2.76	3.9	4620	18-62	142	50	3+K	104.5	85	8+P	0.07
3	5.55	7.8	4140	28-78	168	62	3+K	130.5	107	14+P	0.1
4	8.70	12.2	4000	40-98	200	76	5+K	158.5	133	26+P	0.19
5	14.10	19.7	3860	50-112	225	90	5+K	183.5	152	39+P	0.32
6	22.80	31.9	3720	60-132	265	105	6+K	211.5	178	63+P	0.46
7	34.80	48.7	3190	70-156	300	120	6+K	245.5	209	95+P	0.63
8	44.00	61.6	2900	85-174	330	135	8+K	275	234	131+P	1.04
9	69.80	97.7	2570	95-190	370	150	8+K	307	254	180+P	1.54
10	83.80	117.3	2330	110-210	406	175	8+K	335	279	248+P	2.1
11	152.0	212.8	2150	120-233	438	190	8+K	367	305	318+P	2.63
12	203.5	284.9	1800	130-280	505	220	10+K	423	355	488+P	4.18

注：P表示制动盘重量；

K表示制动轮腹板厚度。

Note: P represents the weight of brake disc;

K represents the thickness of the brake wheel webs.

齿式联轴器结构型式、基本参数表和主要尺寸

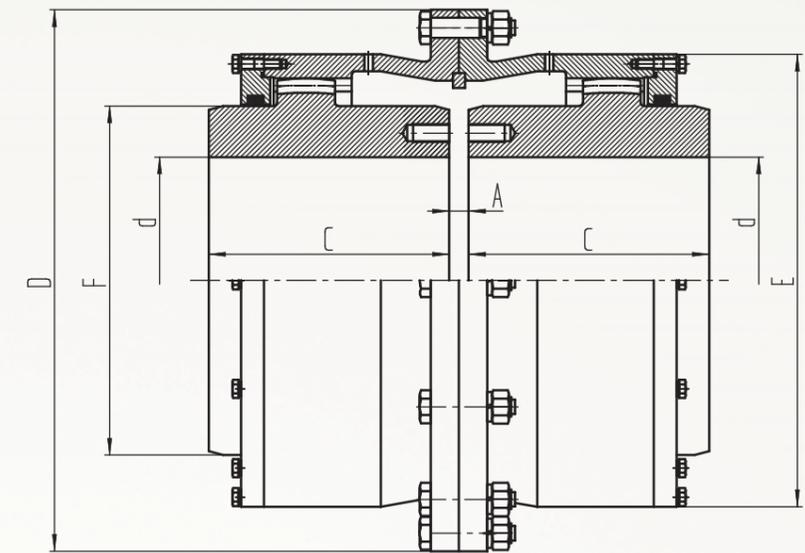
The structural style, basic parameters table and main dimensions of the gear couplings

制动盘 / Brake wheel

M	M	J	K	规格 Size															
				1	2	3	4	5	6	7	8	9	10	11	12				
250	36	12.7	6																
300	41		13																
350	54		16																
400			13																
460			16																
515			16																
610			16																
710			19																
810			25																
915			25																

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

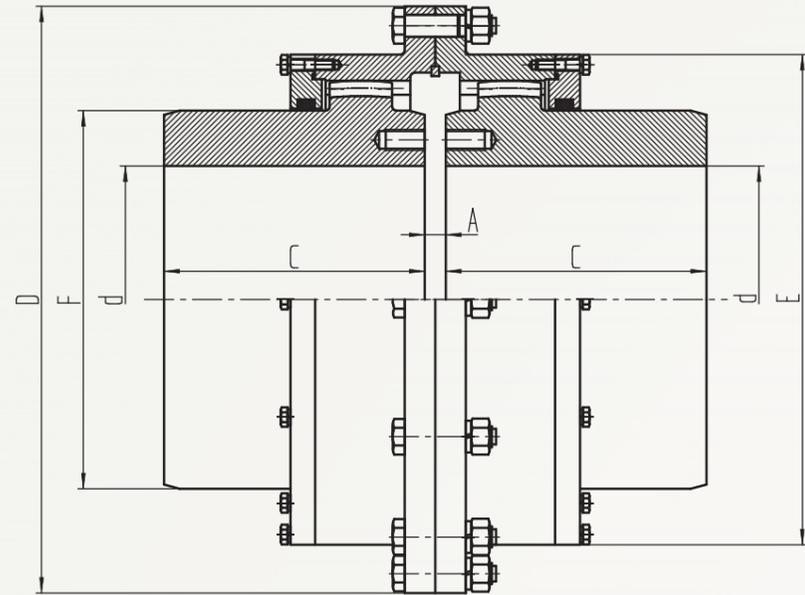


GAZC型  
GAZC type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
4	277	417	1140	325	580	250	12	493	400	688	5
5	383	563	1010	370	630	275	12	543	450	926	6
6	493	745	920	400	700	305	12	567	490	1231	8
7	660	980	810	430	760	330	12	647	550	1613	10
8	840	1235	720	475	825	355	12	712	610	2089	12
9	990	1455	670	510	885	380	20	753	650	2517	18
10	1195	1785	660	530	935	410	20	803	660	3011	21
11	1555	2290	560	580	1010	430	20	878	750	3787	25
12	1815	2670	530	610	1085	460	30	928	790	4550	38
13	2510	3790	470	680	1185	510	30	1028	870	6080	48
14	3530	5260	400	780	1340	560	30	1163	1000	8720	60
15	4440	6540	360	860	1440	610	40	1263	1100	11262	85
16	5920	8750	320	950	1575	660	40	1398	1220	14864	105
17	7180	10580	300	1020	1705	710	40	1498	1310	18347	120
18	8500	12540	270	1090	1806	760	40	1598	1400	22210	135
19	10600	15630	250	1180	1935	810	40	1728	1520	27637	160

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

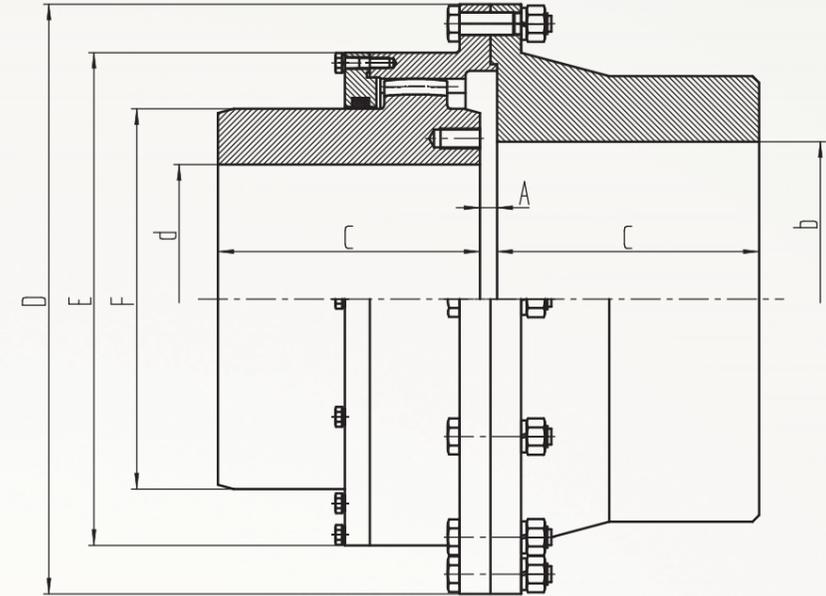


GAZB型  
GAZB type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease Quantity Kg
	1045	4140			D	C	A	E	F		
4	277	417	1140	325	580	250	12	493	400	683	5
5	383	563	1010	370	630	275	12	543	450	910	6
6	493	745	920	400	700	305	12	567	490	1172	8
7	660	980	810	430	760	330	12	647	550	1636	10
8	840	1235	720	475	825	355	12	712	610	2038	12
9	990	1455	670	510	885	380	20	753	650	2562	18
10	1195	1785	660	530	935	410	20	803	660	2943	21
11	1555	2290	560	580	1010	430	20	878	750	3219	25
12	1815	2670	530	610	1085	460	30	928	790	4462	38
13	2510	3790	470	680	1185	510	30	1028	870	6028	48
14	3530	5260	400	780	1340	560	30	1163	1000	8524	60
15	4440	6540	360	860	1440	610	40	1263	1100	10952	85
16	5920	8750	320	950	1575	660	40	1398	1220	14495	105
17	7180	10580	300	1020	1705	710	40	1498	1310	17819	120
18	8500	12540	270	1090	1806	760	40	1598	1400	21666	135
19	10600	15630	250	1180	1935	810	40	1728	1520	27010	160

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

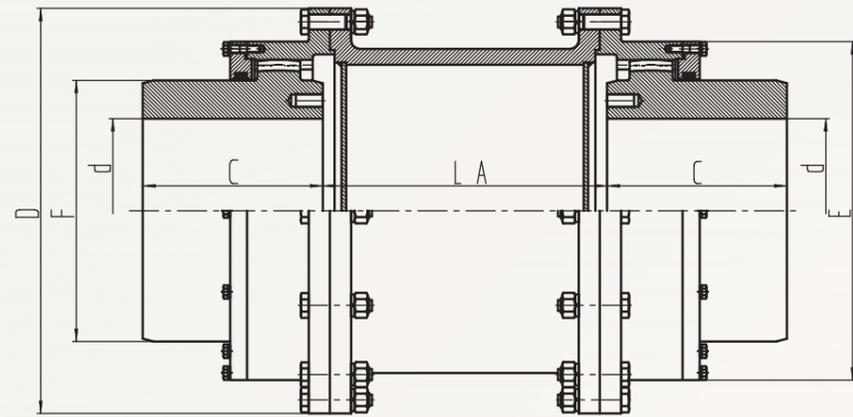


GAZZ型  
GAZZ type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
4	277	417	1140	325	580	250	12	493	400	718	5
5	383	563	1010	370	630	275	12	543	450	946	6
6	493	745	920	400	700	305	12	567	490	1231	8
7	660	980	810	430	760	330	12	647	550	1718	10
8	840	1235	720	475	825	355	12	712	610	2140	12
9	990	1455	670	510	885	380	20	753	650	2690	18
10	1195	1785	660	530	935	410	20	803	660	3090	21
11	1555	2290	560	580	1010	430	20	878	750	3380	25
12	1815	2670	530	610	1085	460	30	928	790	4685	38
13	2510	3790	470	680	1185	510	30	1028	870	6330	48
14	3530	5260	400	780	1340	560	30	1163	1000	8950	60
15	4440	6540	360	860	1440	610	40	1263	1100	11500	85
16	5920	8750	320	950	1575	660	40	1398	1220	15220	105
17	7180	10580	300	1020	1705	710	40	1498	1310	18710	120
18	8500	12540	270	1090	1806	760	40	1598	1400	22750	135
19	10600	15630	250	1180	1935	810	40	1728	1520	28360	160

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GAZT型  
GAZT type

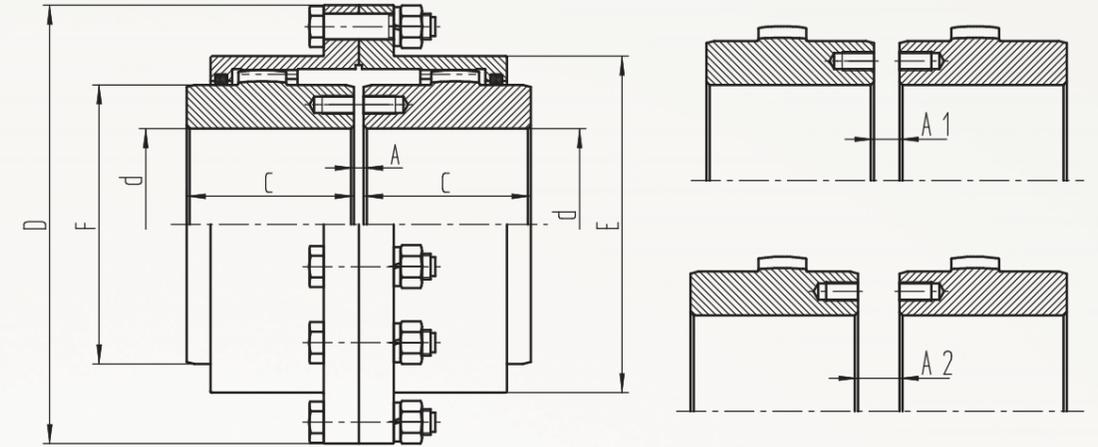
规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	LA min	E	F		
4	277	417	1140	325	580	250	310	493	400	683+G	5
5	383	563	1010	370	630	275	330	543	450	910+G	6
6	493	745	920	400	700	305	350	567	490	1172+G	8
7	660	980	810	430	760	330	380	647	550	1636+G	10
8	840	1235	720	475	825	355	400	712	610	2038+G	12
9	990	1455	670	510	885	380	420	753	650	2562+G	18
10	1195	1785	660	530	935	410	440	803	660	2943+G	21
11	1555	2290	560	580	1010	430	460	878	750	3219+G	25
12	1815	2670	530	610	1085	460	480	928	790	4462+G	36
13	2510	3790	470	680	1185	510	530	1028	870	6028+G	48
14	3530	5260	400	780	1340	560	600	1163	1000	8524+G	60
15	4440	6540	360	860	1440	610	660	1263	1100	10952+G	66
16	5920	8750	320	950	1575	660	730	1398	1220	14495+G	105
17	7180	10580	300	1020	1705	710	780	1498	1310	17819+G	120
18	8500	12540	270	1090	1806	760	830	1598	1400	21666+G	135
19	10600	15630	250	1180	1935	810	900	1728	1520	27010+G	160

注：G表示接管重量。

Note: G represents the weight of connecting tubing.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

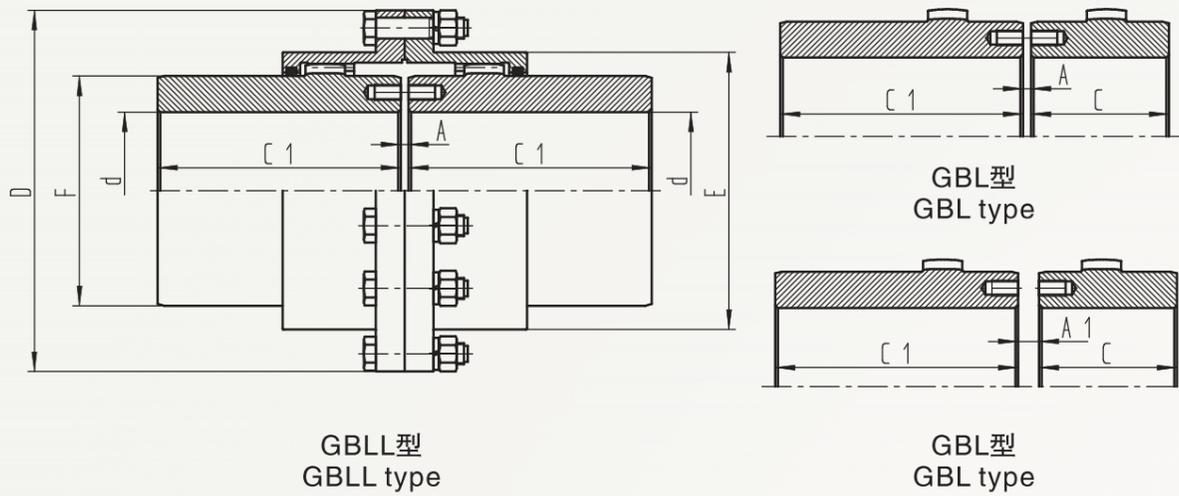


GBB型  
GBB type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm						重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	A	A1	A2	E			F
1	0.365	0.52	4000	20-35	103	40	8	10	12	71	50	4	0.06
2	0.61	0.865	4000	20-45	115	43	8	12	16	83	60	4.3	0.08
3	1.01	1.44	4000	20-55	127	47	8	14	20	95	75	5	0.09
4	1.69	2.41	4000	30-65	149	50	8	16	24	116	90	7.8	0.10
5	2.82	4.02	4000	50-75	167	62	10	18	26	134	105	13.5	0.16
6	4.61	6.57	4000	50-90	187	71	10	20	30	153	125	23.7	0.25
7	6.57	9.61	3750	60-105	204	76	10	22	34	170	140	26.2	0.28
8	9.6	13.9	3300	70-115	230	90	12	24	36	186	155	37	0.47
9	13.9	20.6	3000	90-135	256	105	12	27	42	212	180	60	0.68
10	20.6	30.4	2650	100-150	287	120	14	32	50	239	200	85.5	0.86
11	30.4	44.6	2350	110-175	325	135	14	37	60	276	235	124	1.54
12	44.6	65.2	2100	140-200	362	150	16	50	84	313	270	178.5	2.40
13	65.2	95.1	1850	150-225	412	175	18	53	88	350	300	244.6	3.5
14	105	150	1650	180-250	462	190	22	58	94	415	335	313	4.3
15	150	220	1500	210-285	512	220	22	72	122	464	380	480	6.5

齿式联轴器结构型式、基本参数表和主要尺寸

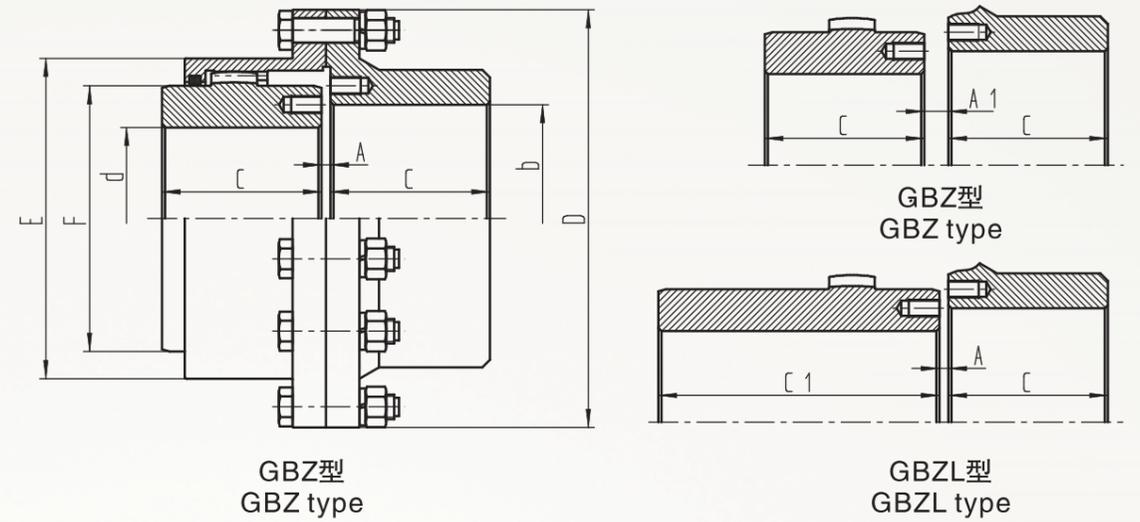
The structural style, basic parameters table and main dimensions of the gear couplings



规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm						重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	C1	A	A1	E			F
1	0.365	0.52	4000	20-35	103	40	100	8	10	71	50	7.6	0.06
2	0.61	0.865	4000	20-45	115	43	105	8	12	83	60	8	0.08
3	1.01	1.44	4000	20-55	127	47	110	8	14	95	75	12.4	0.09
4	1.69	2.41	4000	30-65	149	50	115	8	16	116	90	13.6	0.10
5	2.82	4.02	4000	50-75	167	62	130	10	18	134	105	23	0.16
6	4.61	6.57	4000	50-90	187	71	140	10	20	153	125	39	0.25
7	6.57	9.61	3750	60-105	204	76	150	10	22	170	140	43	0.28
8	9.6	13.9	3300	70-115	230	90	170	12	24	186	155	60	0.47
9	13.9	20.6	3000	90-135	256	105	185	12	27	212	180	91	0.68
10	20.6	30.4	2650	100-150	287	120	215	14	32	239	200	134	0.86
11	30.4	44.6	2350	110-175	325	135	245	14	37	276	235	199	1.54
12	44.6	65.2	2100	140-200	362	150	295	16	50	313	270	299	2.40
13	65.2	95.1	1850	150-225	412	175	300	18	53	350	300	370	3.5
14	105	150	1650	180-250	462	190	305	22	58	415	335	450	4.3
15	150	220	1500	210-285	512	220	310	22	72	464	380	620	6.5

齿式联轴器结构型式、基本参数表和主要尺寸

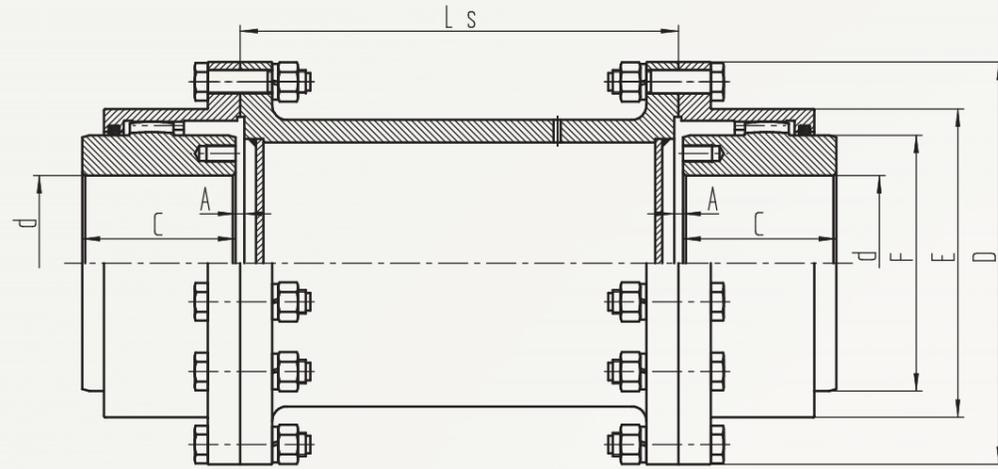
The structural style, basic parameters table and main dimensions of the gear couplings



规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm						重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	A	A1	A2	E			F
1	0.365	0.52	4000	20-35	103	40	100	8	10	71	50	4.3	0.06
2	0.61	0.865	4000	20-45	115	43	105	8	12	83	60	4.5	0.08
3	1.01	1.44	4000	20-55	127	47	110	8	14	95	75	7.2	0.09
4	1.69	2.41	4000	30-65	149	50	115	8	16	116	90	8.4	0.10
5	2.82	4.02	4000	50-75	167	62	130	10	18	134	105	14.5	0.16
6	4.61	6.57	4000	50-90	187	71	140	10	20	153	125	24.7	0.25
7	6.57	9.61	3750	60-105	204	76	150	10	22	170	140	27.3	0.28
8	9.6	13.9	3300	70-115	230	90	170	12	24	186	155	41	0.47
9	13.9	20.6	3000	90-135	256	105	185	12	27	212	180	63	0.68
10	20.6	30.4	2650	100-150	287	120	215	14	32	239	200	93	0.86
11	30.4	44.6	2350	110-175	325	135	245	14	37	276	235	131	1.54
12	44.6	65.2	2100	140-200	362	150	295	16	50	313	270	189	2.40
13	65.2	95.1	1850	150-225	412	175	300	18	53	350	300	260	3.5
14	105	150	1650	180-250	462	190	305	22	58	415	335	350	4.3
15	150	220	1500	210-285	512	220	310	22	72	464	380	512	6.5

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GBT型  
GBT type

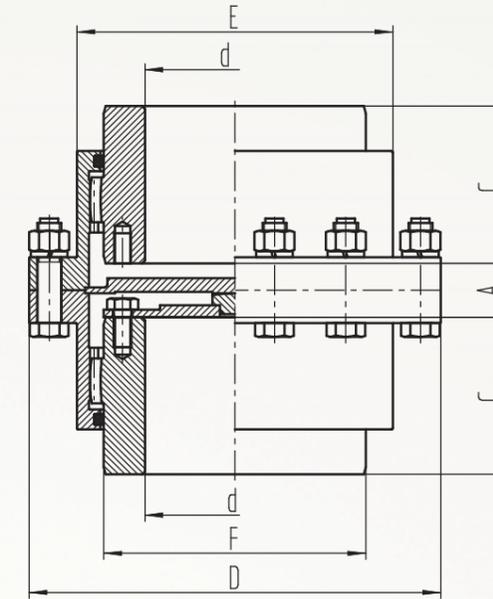
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	1045	4140			D	C	Ls	A	E	F			
1	0.365	0.52	4000	20-35	103	40	80	8	10	71	50	4+G	0.07
2	0.61	0.865	4000	20-45	115	43	80	8	12	83	60	4.3+G	0.95
3	1.01	1.44	4000	20-55	127	47	90	8	14	95	75	5+G	0.10
4	1.69	2.41	4000	30-65	149	50	90	8	16	116	90	7.8+G	0.15
5	2.82	4.02	4000	50-75	167	62	90	10	18	134	105	13.5+G	0.20
6	4.61	6.57	4000	50-90	187	71	100	10	20	153	125	23.7+G	0.28
7	6.57	9.61	3750	60-105	204	76	100	10	22	170	140	26.2+G	0.35
8	9.6	13.9	3300	70-115	230	90	100	12	24	186	155	37+G	0.60
9	13.9	20.6	3000	90-135	256	105	110	12	27	212	180	60+G	0.72
10	20.6	30.4	2650	100-150	287	120	110	14	32	239	200	85.5+G	0.90
11	30.4	44.6	2350	110-175	325	135	130	14	37	276	235	124+G	1.62
12	44.6	65.2	2100	140-200	362	150	150	16	50	313	270	178.5+G	2.52
13	65.2	95.1	1850	150-225	412	175	160	18	53	350	300	244.6+G	3.68
14	105	150	1650	180-250	462	190	170	22	58	415	335	313+G	4.52
15	150	220	1500	210-285	512	220	180	22	72	464	380	480+G	6.9

注：G表示接管重量。

Note: G represents the weight of connecting tubing.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

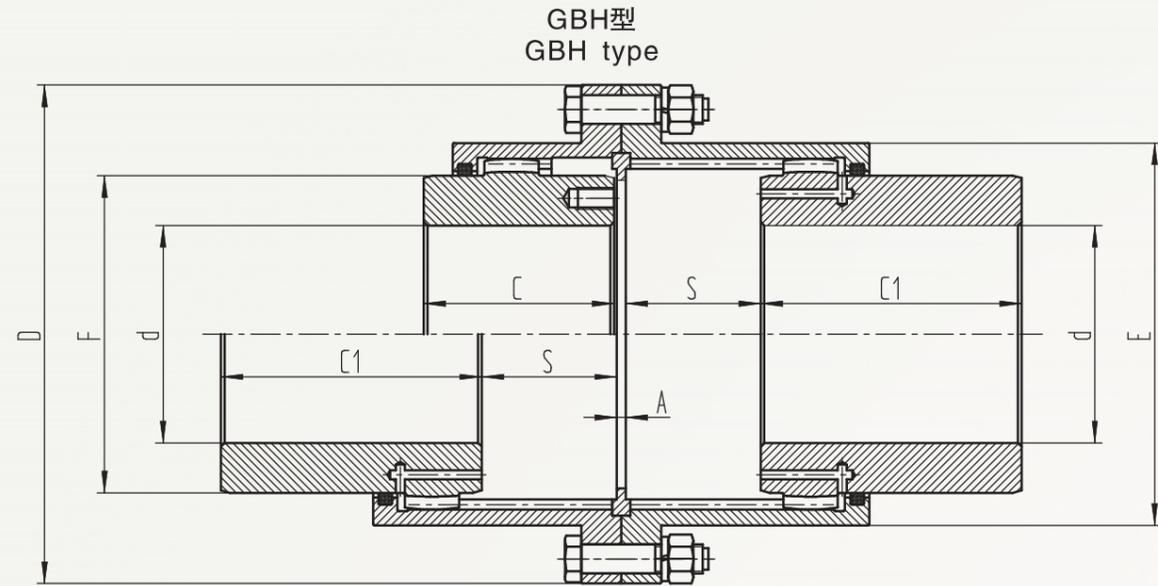


GBV型  
GBV type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
1	0.365	0.52	4000	20-35	103	40	20	71	50	4	0.06
2	0.61	0.865	4000	20-45	115	43	23	83	60	4.3	0.08
3	1.01	1.44	4000	20-55	127	47	23	95	75	5	0.09
4	1.69	2.41	4000	30-65	149	50	23	116	90	7.8	0.10
5	2.82	4.02	4000	50-75	167	62	31	134	105	13.5	0.16
6	4.61	6.57	4000	50-90	187	71	31	153	125	23.7	0.25
7	6.57	9.61	3750	60-105	204	76	31	170	140	26.2	0.28
8	9.6	13.9	3300	70-115	230	90	43	186	155	37	0.47
9	13.9	20.6	3000	90-135	256	105	48	212	180	60	0.68
10	20.6	30.4	2650	100-150	287	120	58	239	200	85.5	0.86
11	30.4	44.6	2350	110-175	325	135	66	276	235	124	1.54
12	44.6	65.2	2100	140-200	362	150	92	313	270	178.5	2.40
13	65.2	95.1	1850	150-225	412	175	98	350	300	244.6	3.5
14	105	150	1650	180-250	462	190	108	415	335	313	4.3
15	150	220	1500	210-285	512	220	134	464	380	480	6.5

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

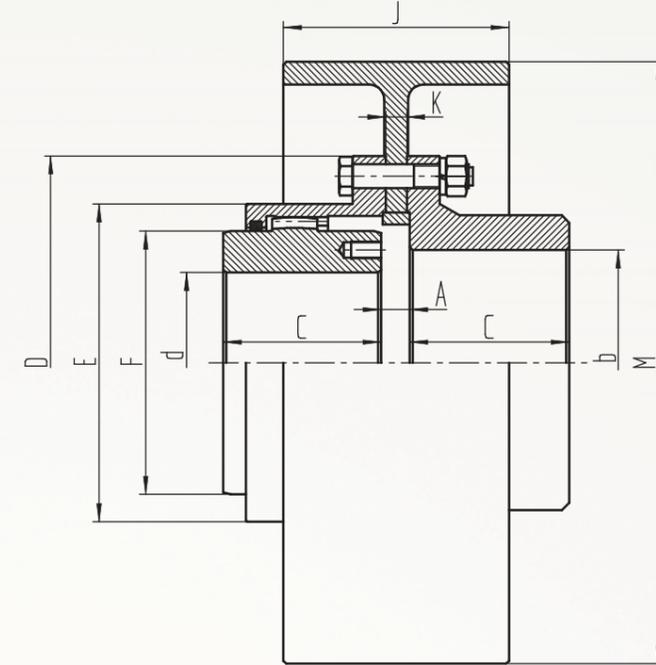


GBHH型  
GBHH type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm						
	1045	4140			D	C	D1	A	S	E	F
1	0.365	0.52	4000	20-35	103	40	95	11	55	71	50
2	0.61	0.865	4000	20-45	115	43	100	11	62	83	60
3	1.01	1.44	4000	20-55	127	47	100	11	62	95	75
4	1.69	2.41	4000	30-65	149	50	102	11	62	116	90
5	2.82	4.02	4000	50-75	167	62	110	11	64	134	105
6	4.61	6.57	4000	50-90	187	71	116	11	64	153	125
7	6.57	9.61	3750	60-105	204	76	122	11	72	170	140
8	9.6	13.9	3300	70-115	230	90	130	11	72	186	155
9	13.9	20.6	3000	90-135	256	105	144	14	80	212	180
10	20.6	30.4	2650	100-150	287	120	156	14	88	239	200
11	30.4	44.6	2350	110-175	325	135	162	20	88	276	235
12	44.6	65.2	2100	140-200	362	150	180	20	102	313	270
13	65.2	95.1	1850	150-225	412	175	220	20	120	350	300
14	105	150	1650	180-250	462	190	220	20	130	415	335
15	150	220	1500	210-285	512	220	210	22	138	464	380

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GBU型  
GBU type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	A	E	F			
1	0.61	0.865	4000	20-45	115	43	8+K		83	60	4.5	0.06
2	1.01	1.44	4000	20-55	127	47	8+K	14+K	95	75	7.2+L	0.08
3	1.69	2.41	4000	30-65	149	50	8+K	16+K	116	90	8.4+L	0.09
4	2.82	4.02	4000	50-75	167	62	10+K	18+K	134	105	14.5+L	0.10
5	4.61	6.57	4000	50-90	187	71	10+K	20+K	153	125	24.7+L	0.16
6	6.57	9.61	3750	60-105	204	76	10+K	22+K	170	140	27.3+L	0.25
7	9.6	13.9	3300	70-115	230	90	12+K	24+K	186	155	41+L	0.28
8	13.9	20.6	3000	90-135	256	105	12+K	27+K	212	180	63+L	0.47
9	20.6	30.4	2650	100-150	287	120	14+K	32+K	239	200	93+L	0.68
10	30.4	44.6	2350	110-175	325	135	14+K	37+K	276	235	131+L	0.86
11	44.6	65.2	2100	140-200	362	150	16+K	50+K	313	270	189+L	1.54
12	65.2	95.1	1850	150-225	412	175	18+K	53+K	350	300	260+L	2.40
13	105	150	1650	180-250	462	190	22+K	58+K	415	335	350+L	3.5

注：K表示制动轮腹板厚度；  
L表示制动轮重量。

Note: K represents the thickness of the brake wheel webs;  
L represents the brake wheel quality.

齿式联轴器结构型式、基本参数表和主要尺寸

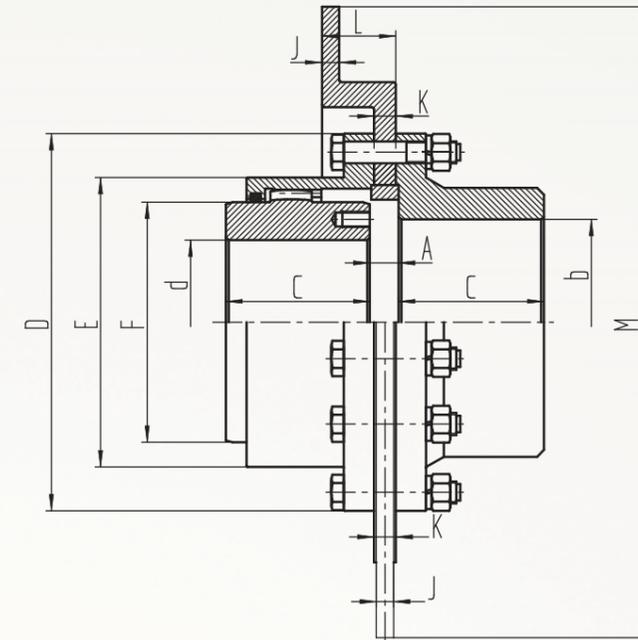
The structural style, basic parameters table and main dimensions of the gear couplings

制动轮 / Brake wheel

M	J	K	规格 Size														
			1	2	3	4	5	6	7	8	9	10	11	12	13		
200	75	8	■	■	■	■											
250	95	10	■	■	■	■	■	■									
315	118	12			■	■	■	■	■								
400	150	14					■	■	■	■	■						
500	190	18								■	■	■	■	■			
630	236	22									■	■	■	■	■		
710	265	22										■	■	■	■	■	

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GBP型  
GBP type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	A	E	F			
1	0.61	0.865	4000	20-45	115	43	8+K	12+K	83	60	4.5+L	0.06
2	1.01	1.44	4000	20-55	127	47	8+K	14+K	95	75	7.2+L	0.08
3	1.69	2.41	4000	30-65	149	50	8+K	16+K	116	90	8.4+L	0.09
4	2.82	4.02	4000	50-75	167	62	10+K	18+K	134	105	14.5+L	0.10
5	4.61	6.57	4000	50-90	187	71	10+K	20+K	153	125	24.7+L	0.16
6	6.57	9.61	3750	60-105	204	76	10+K	22+K	170	140	27.3+L	0.25
7	9.6	13.9	3300	70-115	230	90	12+K	24+K	186	155	41+L	0.28
8	13.9	20.6	3000	90-135	256	105	12+K	27+K	212	180	63+L	0.47
9	20.6	30.4	2650	100-150	287	120	14+K	32+K	239	200	93+L	0.68
10	30.4	44.6	2350	110-175	325	135	14+K	37+K	276	235	131+L	0.86
11	44.6	65.2	2100	140-200	362	150	16+K	50+K	313	270	189+L	1.54
12	65.2	95.1	1850	150-225	412	175	18+K	53+K	350	300	260+L	2.40
13	105	150	1650	180-250	462	190	22+K	58+K	415	335	350+L	3.5

注: K表示制动轮腹板厚度;  
L表示制动轮重量,

Note: K represents the thickness of the brake wheel webs;  
L represents the brake wheel quality.

齿式联轴器结构型式、基本参数表和主要尺寸

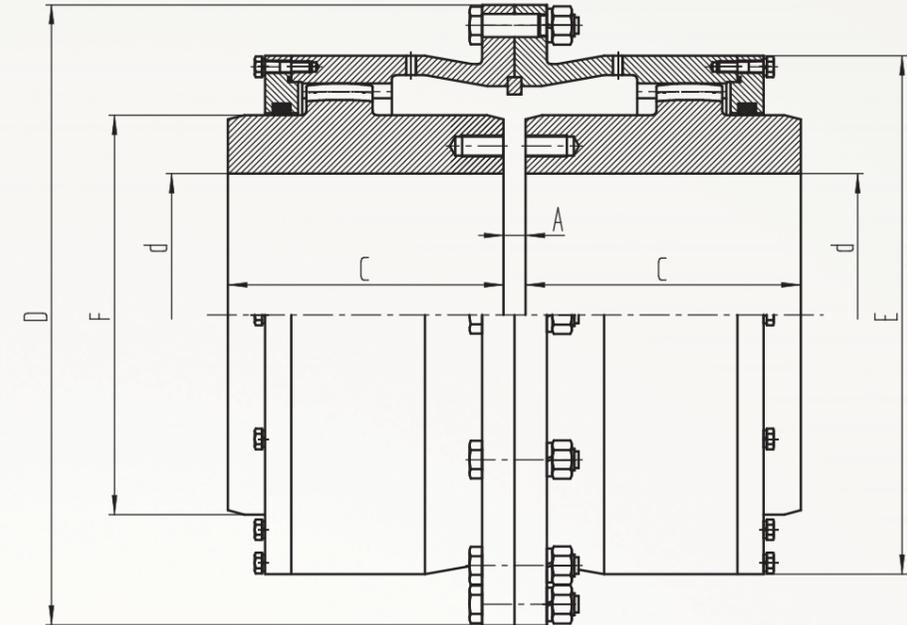
The structural style, basic parameters table and main dimensions of the gear couplings

制动盘 / Brake wheel

M	M	J	K	规格 Size													
				1	2	3	4	5	6	7	8	9	10	11	12	13	
250	36	54	6														
300	41		13														
355	54		16														
406			13														
457			16														
514			16														
610			16														
710			19														
810			25														
915			25														

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

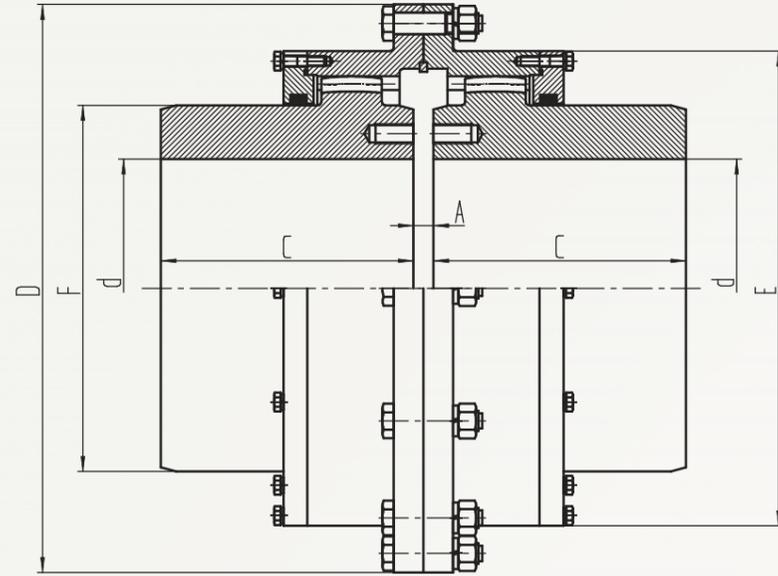


GBZC型  
GBZC type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm						重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	A		E	F			
16	220	312	1300	215-320	580	250	28	111	194	518	430	722	5
17	333	471	1200	245-365	644	280	28	141	254	580	490	972	6
18	471	657	1050	270-400	726	315	28	153	278	646	540	1580	10
19	657	883	950	310-470	818	355	32	175	318	739	630	2193	12
20	883	1230	800	360-540	928	400	32	184	336	838	720	3161	21
21	1230	1670	750	400-600	1022	450	40	212	384	928	810	4550	38
22	1670	2260	650	450-680	1134	500	40	232	424	1036	915	6384	53
23	2260	3140	600	510-770	1282	580	50	272	494	1178	1030	8720	60
24	3140	4320	550	580-880	1428	630	50	302	554	1322	1175	11825	85
25	4130	5880	460	690-1040	1644	710	50	362	674	1538	1390	18347	120

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

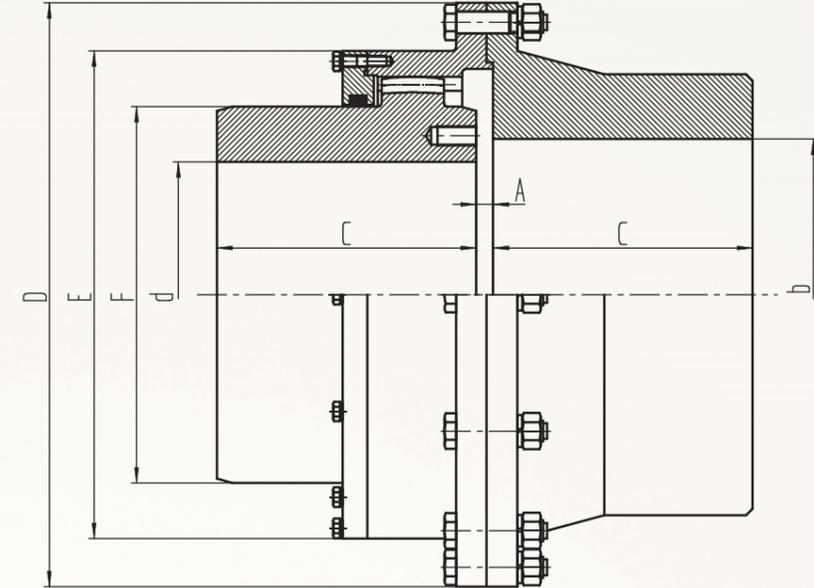


GBZB型  
GBZB type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
16	220	312	1300	215-320	580	250	28	518	430	710	5
17	333	471	1200	245-365	644	280	28	580	490	946	6
18	471	657	1050	270-400	726	315	28	646	540	1603	10
19	657	883	950	310-470	818	355	32	739	630	2038	12
20	883	1230	800	360-540	928	400	32	838	720	3060	21
21	1230	1670	750	400-600	1022	450	40	928	810	4410	38
22	1670	2260	650	450-680	1134	500	40	1036	915	6028	48
23	2260	3140	600	510-770	1282	580	50	1178	1030	8780	62
24	3140	4320	550	580-880	1428	630	50	1322	1175	14205	100
25	4130	5880	460	690-1040	1644	710	50	1538	1390	18353	124

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

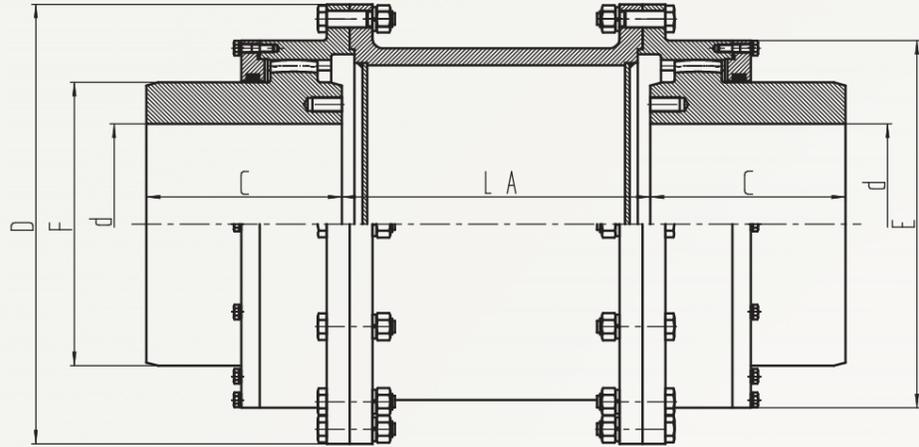


GBZZ型  
GBZZ type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
16	220	312	1300	215-320	580	250	28	518	430	746	5
17	333	471	1200	245-365	644	280	28	580	490	993	6
18	471	657	1050	270-400	726	315	28	646	540	1682	8
19	657	883	950	310-470	818	355	32	739	630	2182	12
20	883	1230	800	360-540	928	400	32	838	720	3213	21
21	1230	1670	750	400-600	1022	450	40	928	810	4638	38
22	1670	2260	650	450-680	1134	500	40	1036	915	6330	48
23	2260	3140	600	510-770	1282	580	50	1178	1030	8950	60
24	3140	4320	550	580-880	1428	630	50	1322	1175	12075	85
25	4130	5880	460	690-1040	1644	710	50	1538	1390	18897	120

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GBZT型  
GBZT type

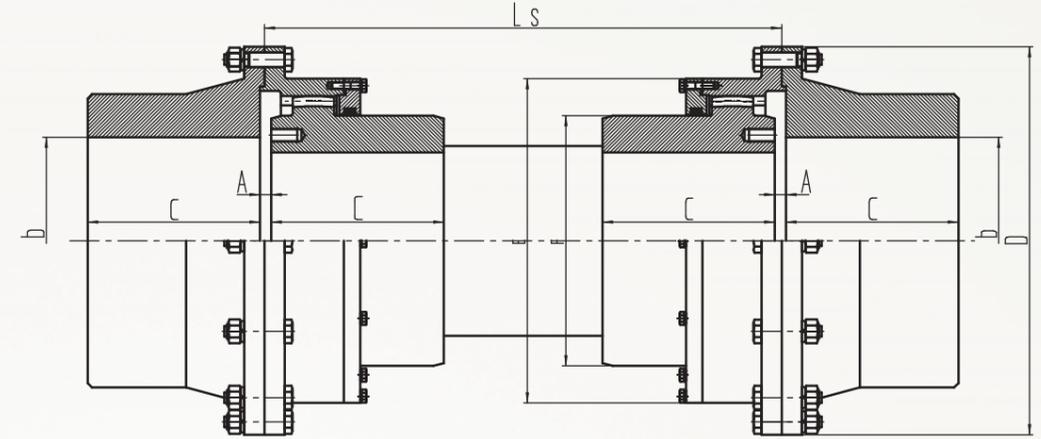
规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	LA	E	F		
16	220	312	1300	215-320	580	250	310	518	430	710+G	5
17	333	471	1200	245-365	644	280	350	580	490	946+G	7
18	471	657	1050	270-400	726	315	380	646	540	1603+G	10
19	657	883	950	310-470	818	355	400	739	630	2038+G	12
20	883	1230	800	360-540	928	400	440	838	720	3060+G	21
21	1230	1670	750	400-600	1022	450	480	928	810	4410+G	36
22	1670	2260	650	450-680	1134	500	530	1036	915	6028+G	48
23	2260	3140	600	510-770	1282	580	600	1178	1030	8780+G	62
24	3140	4320	550	580-880	1428	630	680	1322	1175	14205+G	68
25	4130	5880	460	690-1040	1644	710	780	1538	1390	18353+G	123

注：G表示接管重量。

Note: G represents the weight of connecting tubing.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GBZS型  
GBZS type

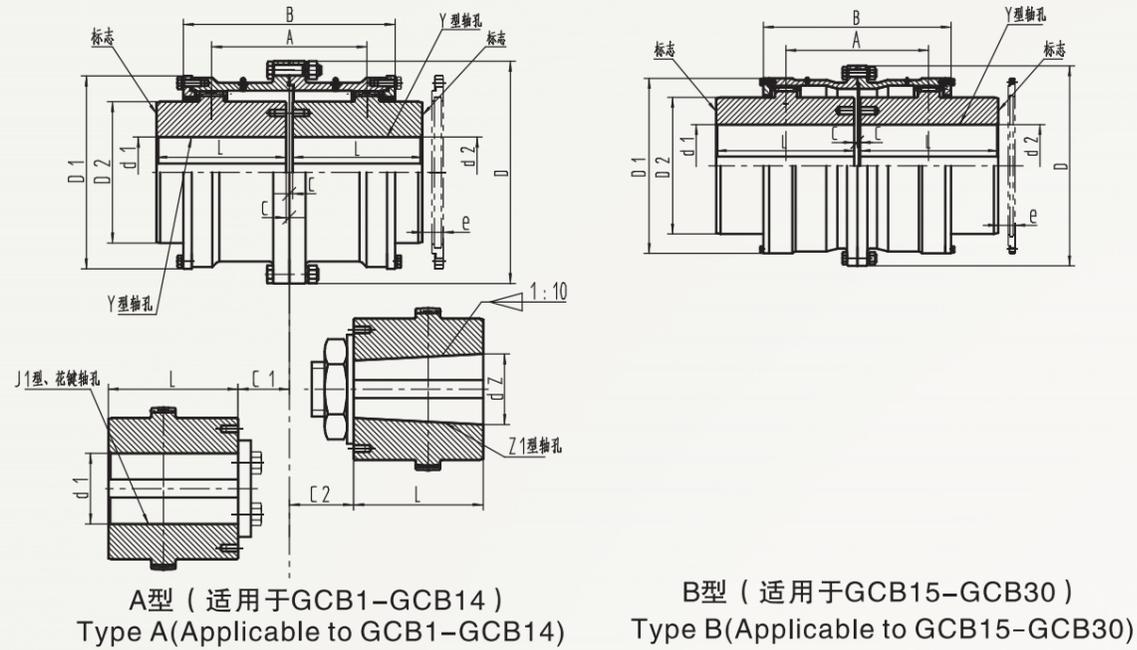
规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed rpm	孔径 Diameter mm	主要尺寸 Main Dimension mm					重量Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	Ls	A	E			F
16	220	312	1300	215-320	580	250		28	518	430	746+N	5
17	333	471	1200	245-365	644	280		28	580	490	993+N	6
18	471	657	1050	270-400	726	315		28	646	540	1682+N	8
19	657	883	950	310-470	818	355		32	739	630	2182+N	12
20	883	1230	800	360-540	928	400		32	838	720	3213+N	21
21	1230	1670	750	400-600	1022	450		40	928	810	4638+N	38
22	1670	2260	650	450-680	1134	500		40	1036	915	6330+N	48
23	2260	3140	600	510-770	1282	580		50	1178	1030	8950+N	60
24	3140	4320	550	580-880	1428	630		50	1322	1175	12075+N	85
25	4130	5880	460	690-1040	1644	710		50	1538	1390	18897+N	120

注：N表示接轴重量。

Note: N indicates the weight of joint spindle.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



A型 (适用于GCB1-GCB14)  
Type A(Applicable to GCB1-GCB14)

B型 (适用于GCB15-GCB30)  
Type B(Applicable to GCB15-GCB30)

GCB型  
GCB type

规格 Size	公称转矩 Nominal torque N·m	许用转速 Allowable speed r/min	轴孔直径 Shaft hole diameter d1, d2 d3	轴孔长度 Shaft hole length Y J1, Z1	主要尺寸 Main Dimension mm										转动惯量 Rotational Inertia Kg·m <sup>2</sup>	润滑脂 用量 Grease consumption ML	重量 WT Kg	
					D	D1	D2	B	A	C	C1	C2	e					
1	800	7100	16~19	42	—	125	95	60	115	75	20	—	—	30	0.009	55	5.9	
			20~24	52	38						10	—	24					
			25, 28	62	44						2.5	—	19					
			30~38	82	60							15	22					
2	1400	6300	25, 28	62	44	145	120	75	135	88	10.5	—	29	30	0.02	100	9.7	
			30~38	82	60						2.5	12.5	30					
			40~48	112	84							13.5	28					
3	2800	5900	30~38	82	60	170	140	95	155	106	24.5	25	30	0.047	140	17.2		
			40~56	112	84						3	17					28	
			60	142	107							35						
4	5000	5400	32~38	82	60	195	165	115	178	125	14	37	32	30	0.167	270	38	
			40~56	112	84						3	17	35					
			60~70	142	107							35						
5	8000	5000	40~56	112	84	225	183	130	198	142	3	25	28	30	0.167	270	38	
			60~75	142	107							3	20					35
			80~90	172	132								22					43
6	11200	4800	48~56	112	84	240	200	145	218	160	6	35	35	30	0.267	380	48.2	
			60~75	142	107							4	20					35
			80~90	172	132								22					43
7	15000	4500	60~75	142	107	260	230	160	244	180	4	25	35	30	0.453	570	68.9	
			80~95	172	132							4	22					43
			100	212	167								48					
8	21200	4000	65~75	142	107	280	245	175	264	193	5	35	35	30	0.646	660	83.3	
			80~95	172	132							5	22					43
			100~110	212	168								48					

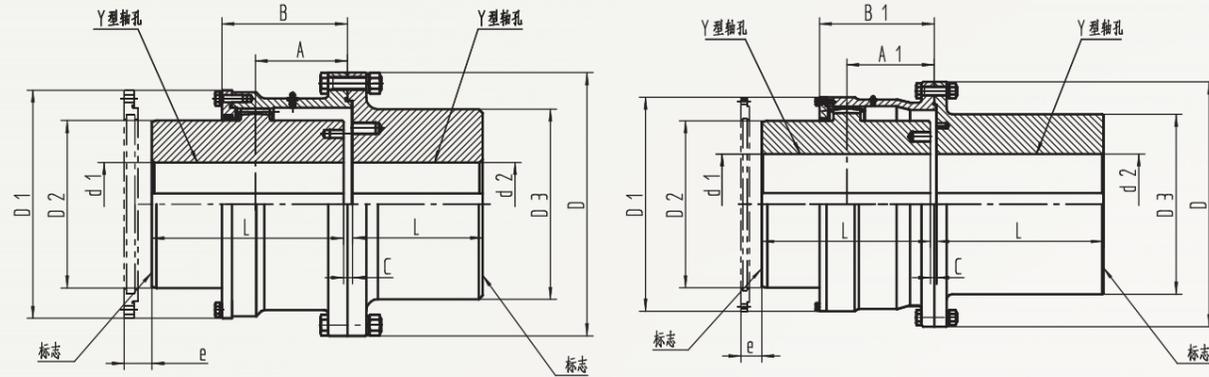
齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

规格 Size	公称转矩 Nominal Torque N·m	许用转速 Allowable speed r/min	轴孔直径 Shaft hole diameter		轴孔长度 Shaft hole length		主要尺寸 Main Dimension mm										转动惯量 Rotational inertia Kg·m <sup>2</sup>	润滑脂 用量 Grease consumption ML	重量 WT Kg
			d1, d2	d3	Y	J1, Z1	D	D1	D2	B	A	C	C1	C2	e				
9	26500	3500	70~75	142	107	315	270	200	284	208	10	45	45	30	1.036	700	110		
			80~95	172	132							5	22					43	
			100~125	212	167								49						
10	42500	3200	80~95	172	132	345	300	220	330	249	5	43	43	30	1.88	900	156.7		
			100~125	212	167							5	22					49	
			130, 140	252	202								29					54	
11	60000	3000	100~120	212	167	380	330	260	360	267	6	29	54	40	3.28	1200	217.1		
			130~150	252	202							6	54					64	
			160	302	242								64						
12	80000	2600	120	212	167	440	380	290	416	313	60	57	57	40	5.08	2000	305.1		
			130~150	252	202							60	29					68	
			160~180	302	242								68						
13	112000	2300	140, 150	252	202	480	420	320	476	364	7	54	57	40	10.06	3000	419.4		
			160~180	302	242							7	32					70	
			190, 200	352	282								80						
14	160000	2100	160~180	302	242	520	465	360	532	415	8	42	70	40	16.774	4500	593.9		
			190~220	352	282							8	32					80	
			240, 250	410	330								80						
15	224000	1900	190~220	352	282	580	510	400	556	429	10	34	80	40	26.55	5000	783.3		
			240, 250	410	330							10	38					—	
			200, 220	352	282								58					80	
16	355000	1600	240~260	410	330	680	595	465	640	501	10	38	—	50	52.22	8000	1134.4		
			280	470	380							10	38					—	
			220	352	282								74					80	
17	400000	1500	240~260	410	330	720	645	495	672	512	10	74	80	50	69	10000	1626		
			280, 300	470	380							10	39					—	
			240~260	410	330								41						
18	500000	1400	240~260	410	330	775	675	520	702	524	10	46	—	50	69	11000	1626		
			280~320	470	380							10	41					—	
			260	410	330								67						
19	630000	1300	280~320	470	380	815	715	560	744	560	10	41	—	50	115.6	13000	1773		
			340	550	450							10	41					—	
			280~320	470	380								44						
20	710000	1200	280~320	470	380	855	755	585	786	595	13	44	—	50	167.41	16000	2263		
			340~360	550	450							13	44					—	
			300, 320	470	380								59						
21	900000	1100	340~380	550	450	915	795	620	808	611	13	59	—	50	215.7	20000	2593		
			340~380	550	450							13	44					—	
			340~380	550	450								44						
22	950000	950	340~380	550	450	960	840	665	830	632	13	44	—	60	278.07	26000	3036		
			400	650	540							13	44					—	
			360,380	550	450								44						
23	1120000	9000	400,420	650	540	1010	890	710	870	666	13	44	—	60	379.4	29000	3668		
			380	550	450							13	48					—	
			400~450	650	540								46						
24	1250000	875	400~450	650	540	1050	925	730	890	685	15	50	—	60	448.1	32000	3964		
			400~450	650	540							15	50					—	
			400~450	650	540								50						
25	1400000	850	400~480	650	540	1120	970	770	930	724	15	—	—	60	564.64	34000	4443		
			420~500	650	540							15	50					—	
			420~500	650	540								50						
26	1600000	825	420~500	650	540	1160	990	800	950	733	15	—	—	60	637.4	37000	4791		
			420~500	650	540							15	50					—	
			420~500	650	540								50						
27	1800000	800	45~500	650	540	1210	1060	850	958	739	15	50	—	70	866.25	45000	5758		
			530	800	680							15	50					—	
			480,500	650	540								50						
28	2000000	770	480,500	650	540	1250	1080	890	1034	805	20	55	—	70	1020.76	47000	6232		
			530,560	800	680							20	55					—	
			500	650	540								55						
29	2800000	725	500	650	540	1340	1200	960	1034	792	20	57	—	80	1450.84	50000	7549		
			530~600	800	680							20	55					—	
			530~600	800	680								55						
30	3200000	700	560~630	800	680	1390	1240	1005	1050	806	20	55	—	80	1974.17	59000	9541		
			560~630	800	680							20	55					—	
			560~630	800	680								55						

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



A型 (适用于GCZ1-GCZ14)  
Type A(Applicable to GCZ1-GCZ14)

B型 (适用于GCZ15-GCZ30)  
Type B(Applicable to GCZ15-GCZ30)

GCZ型  
GCZ type

规格 Size	公称转矩 Nominal torque N·m	许用转速 Allowable speed r/min	轴孔直径 Shaft hole diameter		轴孔长度 Shaft hole length		主要尺寸 Main Dimension mm									转动惯量 Rotational inertia Kg·m <sup>2</sup>	润滑脂 用量 Grease consumption ML	重量 WT Kg
			d1,d2 d3	Y	J1,Z1	D	D1	D2	D3	B1	A1	C	C1	e				
1	800	7100	16~19	42	-	125	95	60	80	57	37	24	30	0.0084	30	5.4		
			20~24	52	38							14						
			25, 28	62	44							6.5					19	
			30~38	82	60													
			40*~50*	112	84													
2	1400	6300	28,28	62	44	145	120	75	95	67	44	16	30	0.018	60	9.2		
			30~38	82	60							18						
			40~48,	112	84							19					18	
			50*~56*	142	107													
			60*															
3	2800	5900	30~38	82	60	170	140	95	115	77	53	7	30	0.0427	80	16.4		
			40~56	112	84							22						
			60	142	107													
			63*~70*	19	42													
			32~38									82					60	22
4	5000	5400	40~56	112	84	195	165	115	130	89	62	8.5	30	0.076	90	22.7		
			60~70	142	107							31						
			71*,75*	172	132													
			80*															
			5	8000	5000							40~56					112	84
60~75	142	107				28												
80	172	132																
85*,95*																		

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

规格 Size	公称转矩 Nominal torque N·m	许用转速 Allowable speed r/min	轴孔直径 Shaft hole diameter		轴孔长度 Shaft hole length		主要尺寸 Main Dimension mm									转动惯量 Rotational inertia Kg·m <sup>2</sup>	润滑脂 用量 Grease consumption ML	重量 WT Kg														
			d1,d2d3	Y	J1,Z1	D	D1	D2	D3	B1	A1	C	C1	e																		
6	11200	4800	48~56	112	84	240	200	145	170	109	80	11.5	41	30	0.24	200	46.2															
			60~75	142	107							9.5	26																			
			80~90	172	132																											
			95*	212	167																											
			100*																													
7	15000	4500	60~75	142	107	260	230	160	195	122	90	10.5	31	30	0.43	290	68.4															
			80~95	172	132							10.5	38																			
			100	212	167																											
			110*,120*																													
			8	21200	4000													65~75	142	107	280	245	175	210	132	96	12	41	30	0.61	350	81.1
80~95	172	132				12	28																									
100,110	212	167																														
120*																																
130*	252	202																														
9	26500	3500	70~75	142	107	315	270	200	225	142	104	18	53	30	0.94	370	100.1															
			80~95	172	132							13	30																			
			100~125	212	167																											
			130*,140*	252	202																											
			10	42500	3200													80~95	172	132	345	300	220	250	165	124	14	51	30	1.67	500	147.1
100~125	212	167				14	30																									
130,140	252	202																														
150*																																
160*	302	242																														
11	60000	3000	100~120	212	167	380	330	260	285	180	133	14	37	40	2.98	650	206.3															
			130~150	252	202							14	37																			
			160	302	242																											
			170*,180*																													
			12	80000	2600													120	212	167	440	380	290	325	208	158	14	65	40	5.31	1100	284.5
130~150	252	202				14	37																									
160~180	302	242																														
190*,200*	352	282																														
13	112000	2300						140,150	252	202	480	420	320	360	238	182	15	62	40	9.26							1600	402				
			160~180	302	242	15	40																									
			190,200	352	280																											
			220*																													
			14	160000	2100			160~180	302	242							520	465			360	420	266	207	16	50			40	15.92	2300	582.2
190~220	352	282				16	40																									
240*,250*	410	330																														
15	224000	1900						190~220	352	282	580	510	400	450	278	214			17	41					40	25.78	2600	778.2				
								240,250	410	330									17	45												
			260*																													
			280*	470	380																											

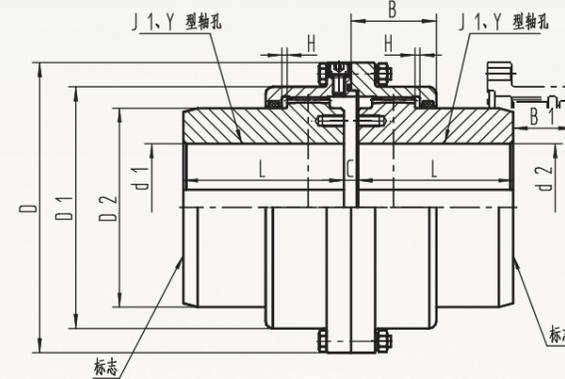
齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

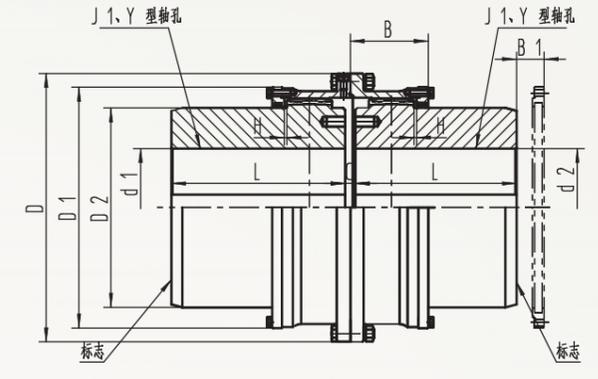
规格 Size	公称转矩 Nominal torque N·m	许用转速 Allowable Speed r/min	轴孔直径 Shaft hole diameter			轴孔长度 Shaft hole length			主要尺寸 Main Dimension mm											转动惯量 Rotational inertia Kg·m <sup>2</sup>	润滑脂 用量 Grease consumption ML	重量 Kg
			d1,d2	d3	Y	J1,Z1	D	D1	D2	D3	B1	A1	C	C1	e							
16	355000	1600	200,220	352	282	680	595	465	500	320	250	16.5	65	50	16.89	4100	1071					
			240~260	410	330																	
			280	470	380																	
			300*,320*																			
17	400000	1500	220	352	282	720	645	495	530	336	256	17	81	50	60.59	5100	1210					
			240~260	410	330																	
			280~320	470	380																	
18	500000	1400	240~260	410	330	775	675	520	540	351	262	16.5	53	50	81.75	6000	1475					
			280~320	470	380																	
			340*	550	450																	
19	630000	1300	260	410	330	815	715	560	580	372	280	17	74	50	101.57	6700	1603					
			280~320	470	380																	
			340	550	450																	
			360*																			
20	710000	1200	280~320	470	380	855	755	585	600	393	297	20	51	50	140.03	8100	2033					
			340,360	550	450																	
21	900000	1100	300,320	470	380	915	795	620	640	404	305	20	51	50	183.49	10500	2385					
			340~380	550	450																	
			400*	650	540																	
22	950000	950	340~380	550	450	960	840	665	680	415	316	20	51	60	235.04	14000	2452					
			400*	650	540																	
23	1120000	900	360,380	550	450	1010	890	710	720	435	333	20	51	60	323.16	15000	3332					
			400,420	650	540																	
			450*																			
24	1250000	875	380	550	450	1050	925	730	760	445	342	22	53	60	387.97	16500	3639					
			400~450	650	540																	
			480*																			
25	1400000	850	400~480	650	540	1120	970	770	800	465	362	22	58	60	485.96	18000	4073					
			500*																			
26	1600000	825	420~500	650	540	1160	990	800	850	475	366	22	58	60	573.64	19000	4527					
			530*																			
27	1800000	800	450~500	650	540	1210	1060	850	900	479	369	22	58	70	789.74	23000	5485					
			530,560*	800	680																	
28	2000000	770	480,500	650	540	1250	1080	890	960	517	402	28	63	70	960.26	24000	6050					
			530,560	800	680																	
			600*																			
29	2800000	725	500	650	540	1340	1200	960	1010	517	396	28	65	80	1268.9	26000	7090					
			530~630*	800	680																	
30	3500000	700	560~630	800	980	1390	1240	1005	1070	525	403	28	63	80	1822.02	30000	9264					
			670*	—	780																	

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



A型 (适用于GDB1-GDB13)  
Type A(Applicable to GDB1-GDB13)



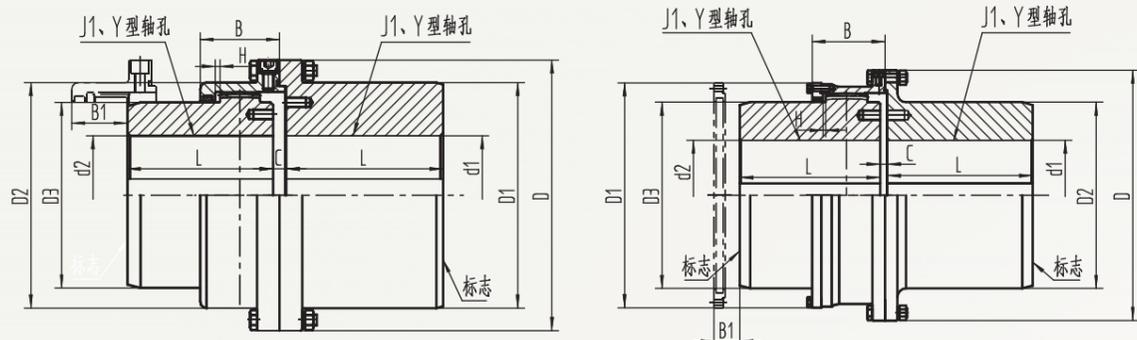
B型 (适用于GDB14-GDB25)  
Type B(Applicable to GDB14-GDB25)

GDB型鼓形齿式联轴器  
GDB drum gear type couplings

型号 Size	公称转矩 Nominal torque N·m	许用转速 Allowable speed r/min	轴孔直径 Shaft hole diameter		轴孔长度 Shaft hole length		主要尺寸 Main Dimension mm								转动惯量 Rotational inertia Kg·m <sup>2</sup>	润滑脂 用量 Grease consumption ML	重量 WT Kg
			d1,d2	m	J1	D	D1	D2	C	H	A	B	e				
1	355	4000	16~35	38~82	103	71	50	8	2	36	76	38	0.014	51	5.1		
2	630	4000	20~45	38~112	115	83	60	8	2	42	88	42	0.024	70	6.2		
3	1000	4000	22~55	38~112	127	95	75	8	2	44	90	42	0.042	68	8.6		
4	1600	4000	38~65	60~142	149	116	90	8	2	49	98	42	0.089	87	14.5		
5	2800	4000	40~75	84~142	167	134	105	10	2.5	55	108	42	0.173	125	19.6		
6	4500	4000	45~90	84~172	187	153	125	10	2.5	56	110	42	0.30	148	31.2		
7	6300	3750	50~100	84~212	204	170	140	10	2.5	60	118	42	0.519	175	47.5		
8	9000	3300	55~110	84~212	230	186	155	12	3	67	142	47	0.839	268	60.2		
9	14000	3000	60~130	107~252	256	212	180	12	3	69	146	47	1.625	310	95.8		
10	20000	2650	65~150	107~252	287	239	200	14	3.5	78	164	47	2.636	472	119		
11	31500	2350	70~170	107~302	325	276	235	14	3.5	81	170	47	5.599	550	189		
12	45000	2100	75~200	107~352	362	313	270	16	4	89	190	49	10.91	695	285		
13	63000	1850	150~220	202~352	412	350	300	18	4.5	98	208	49	17.7	1019	360		
14	100000	1650	170~250	242~410	462	420	335	22	5.5	172	296	63	35.2	3900	544		
15	160000	1500	190~280	282~470	512	470	380	22	5.5	182	316	63	63.4	3700	786		
16	224000	1300	220~320	282~470	580	522	430	28	7	209	354	67	105.8	4500	1027		
17	315000	1200	250~360	330~550	644	582	490	28	7	198	364	67	190.1	4900	1532		
18	450000	1050	280~400	380~650	726	658	540	28	8	222	430	75	351	7000	2278		
19	630000	950	300~460	380~650	818	748	630	32	8	232	440	75	615	8900	3026		
20	900000	800	360~530	450~800	928	838	720	32	10.5	247	470	75	1196	11000	4430		
21	1250000	750	400~600	540~800	1022	928	810	40	11.5	255	490	75	2246	13000	6152		
22	1600000	650	450~670	540~900	1134	1036	915	40	13	262	510	75	3619	16000	7738		
23	2240000	600	530~750	680~900	1282	1178	1030	50	14.5	299	580	80	6900	28000	11553		
24	3150000	550	560~850	680~1000	1428	1322	1175	50	16.5	317	610	80	11353	33000	16615		
25	4000000	460	670~1000	780~1100	1644	1538	1390	50	19	325	620	80	25652	43000	27797		

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



A型 (适用于GDZ1-GDZ13)  
Type A (Applicable to GDZ1-GDZ13)

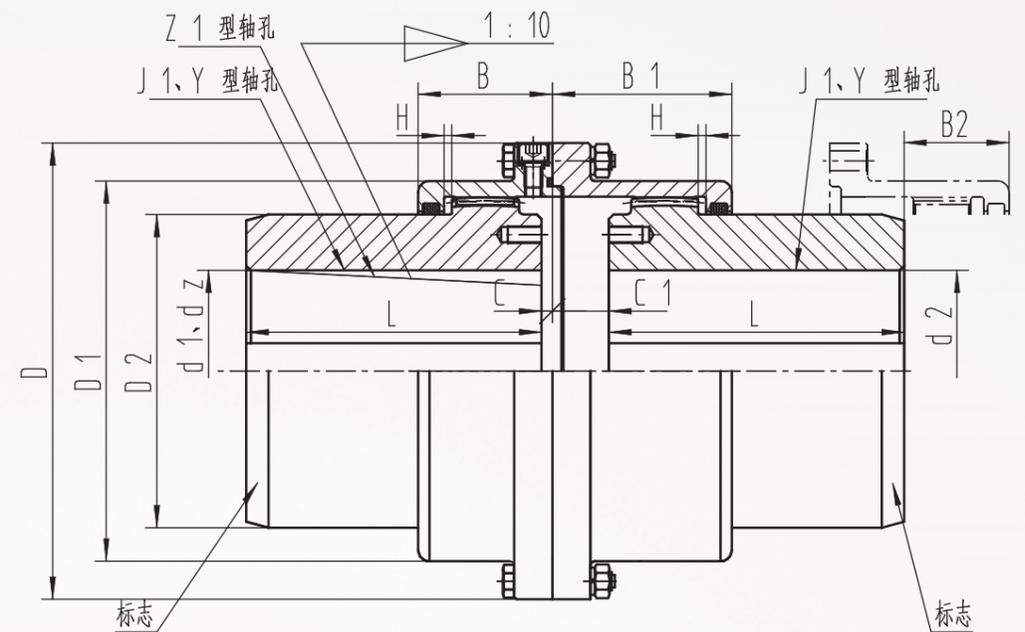
B型 (适用于GDZ14-GDZ25)  
Type B (Applicable to GDZ14-GDZ25)

GDZ型  
GDZ type

规格 Size	公称转矩 Nominal torque N·m	许用转速 Allowable speed r/min	轴孔直径 Shaft hole diameter		轴孔长度 Shaft hole length		主要尺寸 Main Dimension mm										转动惯量 Rotational inertia Kg·m <sup>2</sup>	润滑脂用量 Grease consumption ML	重量 WT Kg
			d1, d2	Y	J1	D	D1	D2	D3	C	H	A1	B1	e					
1	355	4000	16~35 38*~50*		38~112	103	71	71	50	8	2	18	38	38	0.02	31	5.7		
2	630	4000	20~45 48*~60*		38~142	115	83	83	60	8	2	21	44	42	0.032	42	9.2		
3	1000	4000	22~56 60*~70*		38~142	127	95	95	75	8	2	22	45	42	0.053	42	12.5		
4	1600	4000	38~65 70*~80*		60~172	149	116	116	90	8	2	24.5	49	42	0.156	53	19.4		
5	2800	4000	40~75 80*~90*		84~172	167	134	134	105	10	2.5	27.5	54	42	0.207	77	28.5		
6	4500	4000	45~90 95*,100*		84~212	187	153	153	125	10	2.5	28	55	42	0.417	91	36.2		
7	6300	3750	50~100 110*		84~212	204	170	170	140	10	2.5	30	59	42	0.628	108	54.3		
8	9000	3300	55~110 120*,125*		84~212	230	186	186	155	12	3	33.5	71	47	0.996	161	67.4		
9	14000	3000	60~130 140*,150*		107~252	256	222	222	180	12	3	34.5	37	47	1.997	184	104.4		
10	20000	2650	65~150		107~252	287	239	239	200	14	3.5	39	82	47	3.21	276	133.5		
11	31500	2350	110~170		167~302	325	250	276	235	14	3.5	40.5	85	47	5.64	322	193		
12	45000	1850	130~200		202~352	362	313	286	270	16	4	44.5	95	49	11.05	404	290		
13	63000	1850	150~220		202~352	412	350	322	300	18	4.5	49	104	49	18.14	585	370		
14	100000	3300	170~250		282~410	462	420	335	—	22	5.5	86	148	63	30.7	1600	509		
15	160000	1500	190~280		330~470	512	470	380	—	22	5.5	91	158	63	55.9	2100	740		
16	224000	1300	220~320		282~470	580	522	430	—	28	7	104.5	177	67	94.9	2500	974		
17	315000	1200	250~360		330~550	644	582	490	—	28	7	99	182	67	173	2700	1465		
18	450000	1050	280~400		380~650	726	658	540	—	28	8	111	215	75	315	3900	2160		
19	630000	950	300~460		380~650	818	748	630	—	32	9	116	220	75	558	5000	2892		
20	900000	800	360~530		450~860	928	838	720	—	32	10.5	123.5	235	75	1109	6200	4680		
21	1250000	750	400~600		540~800	1022	928	810	—	40	11.5	127.5	245	75	2111	7000	5905		
22	1600000	650	450~670		540~900	1134	1036	915	—	40	13	131	255	75	3409	8700	7504		
23	2240000	600	530~750		680~900	1282	1178	1030	—	50	14.5	149.5	290	80	6555	15000	11133		
24	3150000	550	560~850		680~1000	1428	1322	1175	—	50	16.5	158.5	305	80	10731	18000	16110		
25	4000000	460	670~1000		780~1100	1644	1538	1390	—	50	19	162.5	310	80	25652	23000	27797		

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GDM型鼓形齿式联轴器  
GDM drum gear couplings

型号 Size	公称转矩 Nominal torque N·m	许用转速 Allowable speed r/min	轴孔直径 Shaft hole diameter	轴孔长度 Shaft hole length	主要尺寸 Main Dimension mm										转动惯量 Rotational Inertia Kg·m <sup>2</sup>	润滑脂用量 Grease consumption ML	重量 WT Kg	
					D	D1	D2	C	C1	H	A	A1	B	B1				e
1	1000	4000	22~56	38~112	127	95	75	27	6	2	43	22	66	45	42	0.044	107	9.6
2	1600	4000	38~65	60~142	149	116	90	26.5	6.5	2	44.5	24.5	70	49	42	0.097	137	16.4
3	2800	4000	40~75	84~142	167	134	105	33	7	2.5	53.5	27.5	80	54	42	0.19	201	22.4
4	4500	4000	45~90	84~172	137	153	125	33.5	7.5	2.5	54	28	81	55	42	0.33	238	35.6
5	6300	3750	50~100	84~212	204	170	140	37.5	7.5	2.5	60	30	89	59	42	0.58	298	53.9
6	9000	3300	55~110	84~212	230	186	155	43.5	8.5	3	68.5	33.5	106	71	47	0.94	465	67.5
7	14000	3000	60~130	107~252	256	212	180	48	6	3	73.5	34.5	112	73	47	1.85	561	106.7
8	20000	2650	65~150	107~252	287	239	200	40.5	8.5	3.5	69	39	112	82	47	2.88	734	123
9	31500	2350	70~170	107~302	325	276	235	49.5	9.5	3.5	40.5	80.5	125	85	47	6.24	956	212
10	45000	2100	75~200	107~352	362	313	270	65	11	4	98.5	44.5	149	95	49	12.22	1320	319

注:

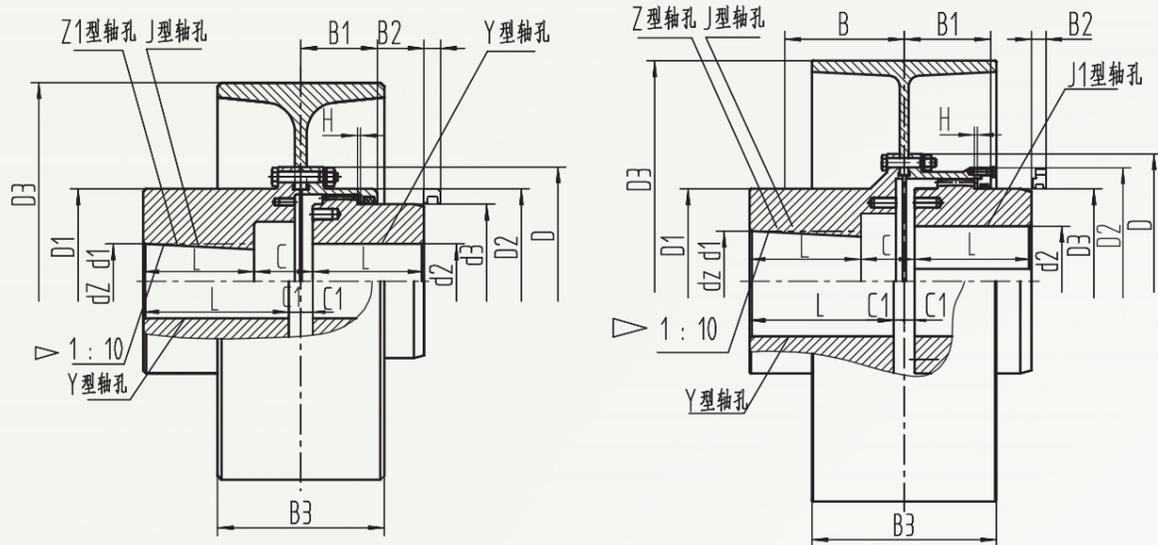
1. 惯量与重量包括在轴伸在内。
2. 更换密封所需要的尺寸。
3. 带括号的轴孔直径新设计时不用。

Note:

1. Inertia and weight are included within the shaft extension.
2. Replace seals the required dimension.
3. Do not use the shaft hole diameter with brackets in the new design.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



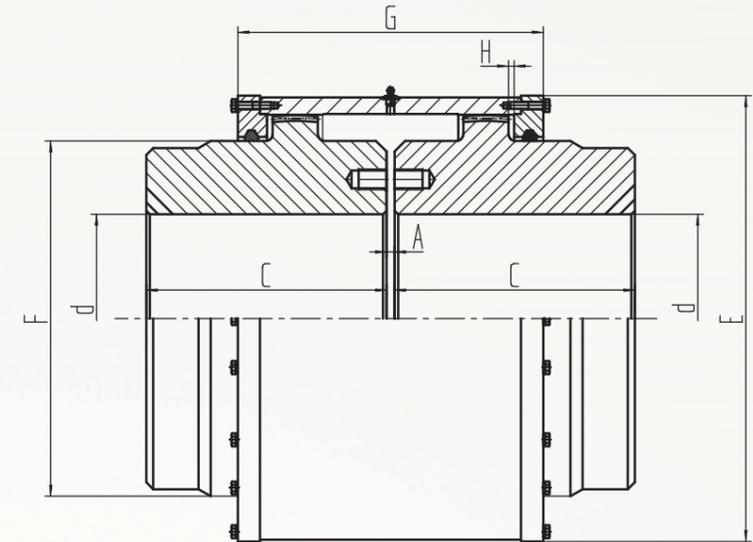
A型 (适用于GDU1-GDU13)  
Type A(Applicable to GDU1-GDU13)

B型 (适用于GDU14)  
Type B(Applicable to GDU14)

型号 Size	公称转矩 Nominal torque N·m	许用转速 Allowable speed r/min	轴孔直径 Shaft Hole diameter		轴孔长度 Shaft hole length		主要尺寸 Main Dimension mm										转动惯量 Rotational inertia Kg·m <sup>2</sup>	润滑脂用量 Grease consumption ML	重量 WT Kg	
			dz	d1, d2	Y	J1, Z1	D	D1	D2	D3	C	C1	H	B1	B2	D4				B3
1	355	4000	20-35	20-35	52-82	38-60	103	71	71	50	33	8	2	42	38	160	68	0.072	31	8.4
2	630	4000	25-42	25-45	62-112	44-84	115	83	83	60	39	8	2	48	42	160	68	0.084	42	10.5
3	1000	3800	30-42	28-55	62-112	44-84	127	95	95	75	39	8	2	49	42	200	85	0.184	65	18.8
4	1600	3800	40-55	38-65	82-142	60-107	149	116	116	90	46	8	2	53	42	200	85	0.242	82	26.8
5	2800	3000	45-75	40-75	112-142	84-107	167	134	134	105	47	9	2.5	58	42	250	105	0.627	120	39
6	4500	3000	50-75	45-90	112-172	84-132	187	153	153	125	52	9	2.5	59	42	250	105	0.776	143	53.2
7	6300	2400	60-80	50-100	112-212	84-167	204	170	170	140	52	9	2.5	63	42	315	132	1.348	179	79.6
8	9000	1900	70-95	55-110	112-212	84-167	230	186	186	155	57	12	3	77	47	400	168	3.996	274	117
9	14000	1500	75-110	60-130	142-252	107-202	256	212	212	180	64	13	3	80	47	500	210	9.997	337	182
10	20000	1200	80-120	65-150	142-252	107-202	287	239	239	200	66	15	3.5	90	47	630	265	30.21	440	246
11	31500	1050	90-140	70-170	142-302	107-242	325	257	276	235	74	16	3.5	94	47	710	298	46	574	361
12	45000	1050	100-170	75-200	142-352	107-282	362	310	313	270	84	16	4	104	49	710	298	52	792	470
13	63000	950	150-170	150-220	252-352	202-282	412	322	350	300	86	17	4.5	113	49	800	355	92	960	598
14	100000	950	170-220	170-250	302-410	242-330	462	380	420	335	98	18	5.5	157	63	800	335	98	2100	780

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

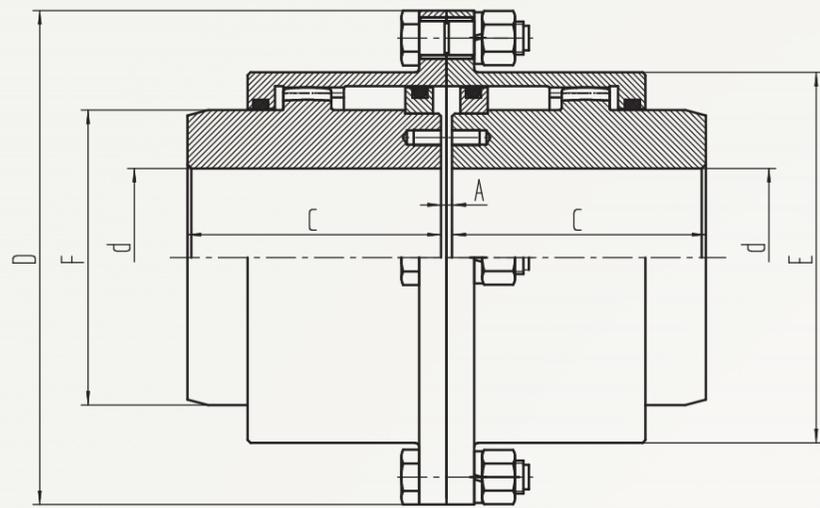


GFB型  
GFB type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed r/min	孔径 Bore diameter mm	主要尺寸 Main Dimension mm				重量 Wt Kg	注油量 Grease quantity Kg
	1045	4140			E	C	A	F		
4	277	417	1140	325	580	250	12	493	612	5
5	383	563	1010	370	630	275	12	543	832	6
6	493	745	920	400	700	305	12	567	1078	8
7	660	980	810	430	760	330	12	647	1437	10
8	840	1235	720	475	825	355	12	712	1885	12
9	990	1455	670	510	885	380	20	753	2276	18
10	1195	1785	660	530	935	410	20	803	2721	21
11	1555	2290	560	580	1010	430	20	878	3451	25
12	1815	2670	530	610	1085	460	30	928	4114	36
13	2510	3790	470	680	1185	510	30	1028	5140	48
14	3530	5260	400	780	1340	560	30	1163	7900	60
15	4440	6540	360	860	1440	610	40	1263	10300	66
16	5920	8750	320	950	1575	660	40	1398	13690	105
17	7180	10580	300	1020	1705	710	40	1498	16890	120
18	8500	12540	270	1090	1806	760	40	1598	20545	135
19	10600	15630	250	1180	1935	810	40	1728	25710	160

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

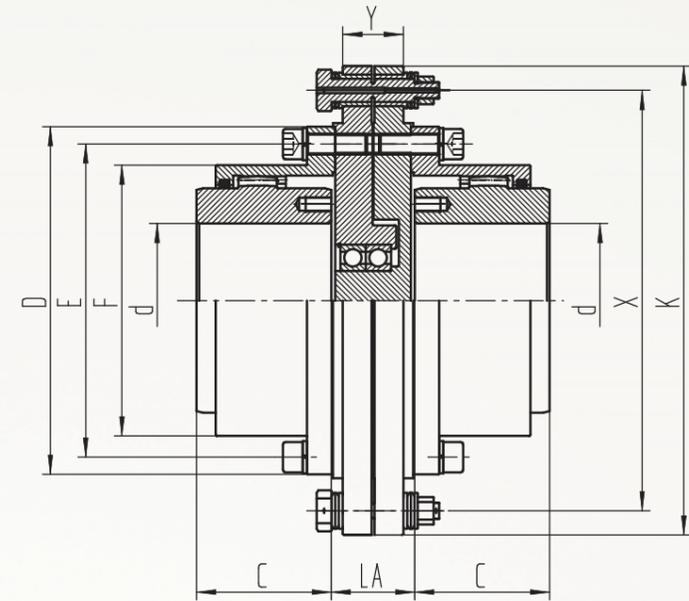


GSB型  
GSB type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed r/min	孔径 Bore diameter mm	主要尺寸 Main Dimension mm					重量 Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	A	E	F		
1	0.365	0.52	4000	20-35	103	40	8	71	50	4.2	0.06
2	0.61	0.865	4000	20-45	115	43	8	83	60	4.5	0.08
3	1.01	1.44	4000	20-55	127	47	8	95	75	5.3	0.09
4	1.69	2.41	4000	30-65	149	50	8	116	90	8.2	0.10
5	2.82	4.02	4000	50-75	167	62	10	134	105	14.2	0.16
6	4.61	6.57	4000	50-90	187	71	10	153	125	24.9	0.25
7	6.57	9.61	3750	60-105	204	76	10	170	140	27.5	0.28
8	9.6	13.9	3300	70-115	230	90	12	186	155	38.9	0.47
9	13.9	20.6	3000	90-135	256	105	12	212	180	63	0.68
10	20.6	30.4	2650	100-150	287	120	14	239	200	89.8	0.86
11	30.4	44.6	2350	110-175	325	135	14	276	235	130.2	1.54
12	44.6	65.2	2100	140-200	362	150	16	313	270	187.4	2.40
13	65.2	95.1	1850	150-225	412	175	18	350	300	256.8	3.5
14	105	150	1650	180-250	462	190	22	415	335	328.6	4.3
15	150	220	1500	210-285	512	220	22	464	380	504	6.5

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

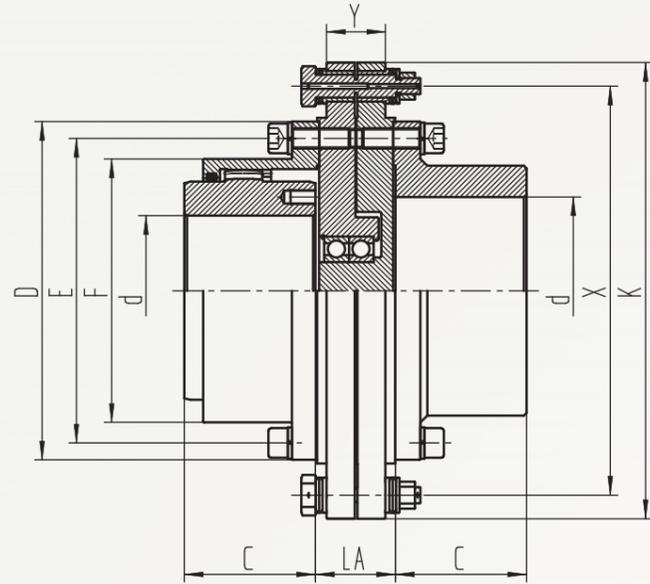


GSF型  
GSF type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed r/min	孔径 Bore diameter mm	主要尺寸 Main Dimension mm						重量 Wt Kg	注油量 Grease quantity Kg	
	1045	4140			D	C	LA	K	X	E			F
1	0.365	0.52	4000	20-35	103	40	51	160	135	71	50	11	0.06
2	0.61	0.865	4000	20-45	115	43	51	170	145	83	60	12	0.08
3	1.01	1.44	4000	20-55	127	47	53	185	160	95	75	15	0.09
4	1.69	2.41	4000	30-65	149	50	58	210	180	116	90	22	0.10
5	2.82	4.02	4000	50-75	167	62	62	230	200	134	105	31	0.16
6	4.61	6.57	4000	50-90	187	71	60	250	220	153	125	44	0.25
7	6.57	9.61	3750	60-105	204	76	66	280	245	170	140	54	0.28
8	9.6	13.9	3300	70-115	230	90	68	320	280	186	155	75	0.47
9	13.9	20.6	3000	90-135	256	105	70	360	310	212	180	109	0.68
10	20.6	30.4	2650	100-150	287	120	76	400	345	239	200	151	0.86
11	30.4	44.6	2350	110-175	325	135	76	450	390	276	235	207	1.54
12	44.6	65.2	2100	140-200	362	150	78	500	435	313	270	284	2.40
13	65.2	95.1	1850	150-225	412	175	92	560	490	350	300	401	3.5
14	105	150	1650	180-250	462	190	96	620	545	415	335	515	4.3
15	150	220	1500	210-285	512	220	98	680	600	464	380	729	6.5

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

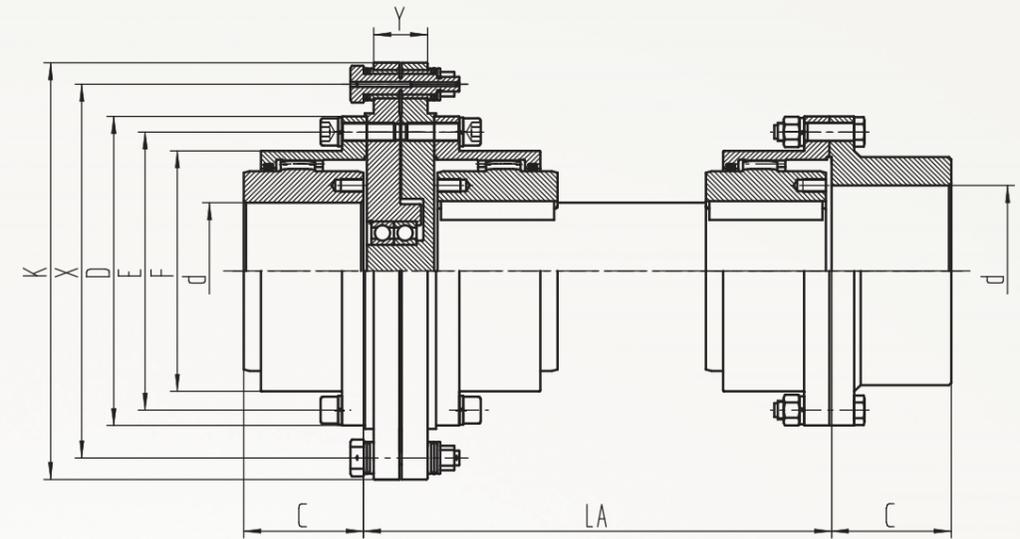


GSZ型  
GSZ type

规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed r/min	孔径 Bore diameter mm	主要尺寸 Main Dimension mm							重量 Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	LA	K	X	E	F		
1	0.365	0.52	4000	20-35	103	40	51	160	135	71	50	11	0.06
2	0.61	0.865	4000	20-45	115	43	51	170	145	83	60	12	0.08
3	1.01	1.44	4000	20-55	127	47	53	185	160	95	75	17	0.09
4	1.69	2.41	4000	30-65	149	50	58	210	180	116	90	22	0.10
5	2.82	4.02	4000	50-75	167	62	62	230	200	134	105	32	0.16
6	4.61	6.57	4000	50-90	187	71	60	250	220	153	125	45	0.25
7	6.57	9.61	3750	60-105	204	76	66	280	245	170	140	55	0.28
8	9.6	13.9	3300	70-115	230	90	68	320	280	186	155	78.5	0.47
9	13.9	20.6	3000	90-135	256	105	70	360	310	212	180	112	0.68
10	20.6	30.4	2650	100-150	287	120	76	400	345	239	200	159	0.86
11	30.4	44.6	2350	110-175	325	135	76	450	390	276	235	215	1.54
12	44.6	65.2	2100	140-200	362	150	78	500	435	313	270	294.9	2.40
13	65.2	95.1	1850	150-225	412	175	92	560	490	350	300	417	3.5
14	105	150	1650	180-250	462	190	96	620	545	415	335	552	4.3
15	150	220	1500	210-285	512	220	98	680	600	464	380	761	6.5

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GSS型  
GSS type

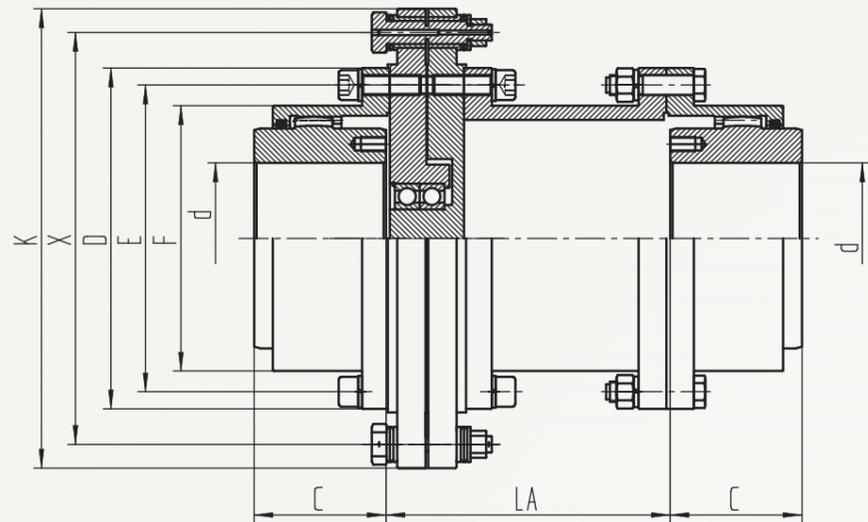
规格 Size	公称转矩 Nominal torque KN·m		许用转速 Allowable speed r/min	孔径 Bore diameter mm	主要尺寸 Main Dimension mm							重量 Wt Kg	注油量 Grease quantity Kg
	1045	4140			D	C	LA	K	X	E	F		
1	0.365	0.52	4000	20-35	103	40	120	160	135	71	50	15+N	0.12
2	0.61	0.865	4000	20-45	115	43	140	170	145	83	60	17+N	0.16
3	1.01	1.44	4000	20-55	127	47	155	185	160	95	75	22+N	0.18
4	1.69	2.41	4000	30-65	149	50	170	210	180	116	90	30+N	0.20
5	2.82	4.02	4000	50-75	167	62	220	230	200	134	105	45+N	0.32
6	4.61	6.57	4000	50-90	187	71	235	250	220	153	125	69+N	0.50
7	6.57	9.61	3750	60-105	204	76	250	280	245	170	140	81+N	0.56
8	9.6	13.9	3300	70-115	230	90	320	320	280	186	155	116+N	0.94
9	13.9	20.6	3000	90-135	256	105	370	360	310	212	180	172+N	1.36
10	20.6	30.4	2650	100-150	287	120	430	400	345	239	200	244+N	1.72
11	30.4	44.6	2350	110-175	325	135	480	450	390	276	235	338+N	3.08
12	44.6	65.2	2100	140-200	362	150	550	500	435	313	270	473+N	4.8
13	65.2	95.1	1850	150-225	412	175	630	560	490	350	300	661+N	7
14	105	150	1650	180-250	462	190	690	620	545	415	335	865+N	8.6
15	150	220	1500	210-285	512	220	800	680	600	464	380	1241+N	13

注: N表示接轴重量。

Note: N indicates the weight of joint spindle.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GST型  
GST type

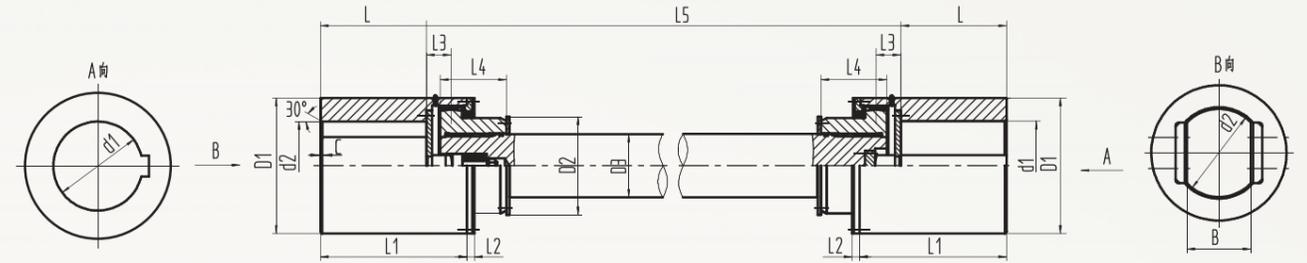
规格 Size	公称转矩 NOMINAL TORQUE KN·m		许用转速 ALLOWABLE SPEED [n] r/min	孔径 BORE DIAMETER mm	主要尺寸 Main Dimension mm							重量 Wt Kg	注油量 GREASE QUANTITY Kg
	1045	4140			D	C	LA	K	X	E	F		
1	0.365	0.52	4000	20-35	103	40	80	160	135	71	50	11+G	0.07
2	0.61	0.865	4000	20-45	115	43	80	170	145	83	60	12+G	0.95
3	1.01	1.44	4000	20-55	127	47	90	185	160	95	75	15+G	0.10
4	1.69	2.41	4000	30-65	149	50	90	210	180	116	90	17+G	0.15
5	2.82	4.02	4000	50-75	167	62	90	230	200	134	105	27+G	0.20
6	4.61	6.57	4000	50-90	187	71	100	250	220	153	125	44+G	0.28
7	6.57	9.61	3750	60-105	204	76	100	280	245	170	140	54+G	0.35
8	9.6	13.9	3300	70-115	230	90	100	320	280	186	155	75+G	0.60
9	13.9	20.6	3000	90-135	256	105	110	360	310	212	180	109+G	0.72
10	20.6	30.4	2650	100-150	287	120	110	400	345	239	200	151+G	0.90
11	30.4	44.6	2350	110-175	325	135	130	450	390	276	235	208+G	1.62
12	44.6	65.2	2100	140-200	362	150	150	500	435	313	270	284+G	2.52
13	65.2	95.1	1850	150-225	412	175	160	560	490	350	300	402+G	3.68
14	105	150	1650	180-250	462	190	170	620	545	415	335	515+G	4.52
15	150	220	1500	210-285	512	220	180	680	600	464	380	729+G	6.9

注：G表示接管重量。

Note: G represents the weight of connecting tubing.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GZA 型接中间轴鼓型齿式联轴器  
GZA drum type couplings connecting intermediate shaft

型号 Size	公称 转矩 Nominal torque KN·m	圆柱形轴孔尺寸 Cylindrical shaft hole size mm		扁形轴孔尺寸 Flat-shaped shaft hole size mm			主要尺寸 Main Dimension mm				
		d1, d2	L J1型 J1 type	d2 Max.	L Max.	B Max.	D1	D2	D3	L1	L2
GZA1	6.3	60-80	107-132	80	132	60	130	85	70	170-195	30
GZA2	11.2	70-100	107-167	100	167	75	160	110	90	175-235	30
GZA3	18	80-110	132-167	110	167	85	180	120	100	210-245	32
GZA4	25	80-125	132-167	125	167	95	200	140	110	220-253	32
GZA5	31.5	90-140	132-202	140	202	105	230	160	130	225-295	38
GZA6	50	110-160	167-242	160	242	120	260	180	140	287-362	38
GZA7	63	140-190	202-282	190	282	140	280	200	160	336-416	38
GZA8	80	160-200	242-282	200	282	160	300	220	180	392-432	44
GZA9	100	170-220	242-282	220	282	170	330	230	200	392-432	44
GZA10	125	190-240	282-330	240	330	180	355	250	220	442-490	51
GZA11	200	190-260	282-330	260	330	200	410	290	240	457-505	51
GZA12	315	240-300	330-380	300	380	220	460	320	260	518-568	57
GZA13	450	280-340	380-450	340	450	250	510	360	300	596-666	57
GZA14	560	300-360	380-450	360	450	280	560	400	320	628-698	64
GZA15	710	340-400	450-540	400	540	300	610	430	350	716-806	64
GZA16	900	360-420	550-650	420	650	320	660	460	380	842-942	64
GZA17	1120	400-460	650	460	650	350	710	500	420	964	64
GZA18	1250	420-500	650	500	650	380	760	540	460	990	76
GZA19	1600	440-530	650-800	530	800	400	810	580	500	1005-1155	76
GZA20	2000	450-560	650-800	560	800	420	860	600	530	1031-1181	76
GZA21	2240	480-600	650-800	600	800	450	910	650	560	1056-1206	76
GZA22	2800	530-630	800	630	800	480	965	680	600	1230	82
GZA23	3150	560-670	800-900	670	900	500	1000	710	630	1250-1350	82

注：1、质量及转动惯量是按圆柱形最大轴孔直径且中间轴长度L5min时计算得出的近似值。

2、联轴器轴孔型式：一般使用主动端为圆柱形，从动端为扁孔形。如需要两端都可以为圆柱形。

3、Cmax按扁孔直径十分之一取，即C=0.1d2并圆整。

4、扁孔形轴孔时，d2和B的极限公差为H9。

Note: 1、Quality and moment of inertia is according to the cylindrical maximum shaft hole diameter and the length of the intermediate shaft when L5min calculated approximation.

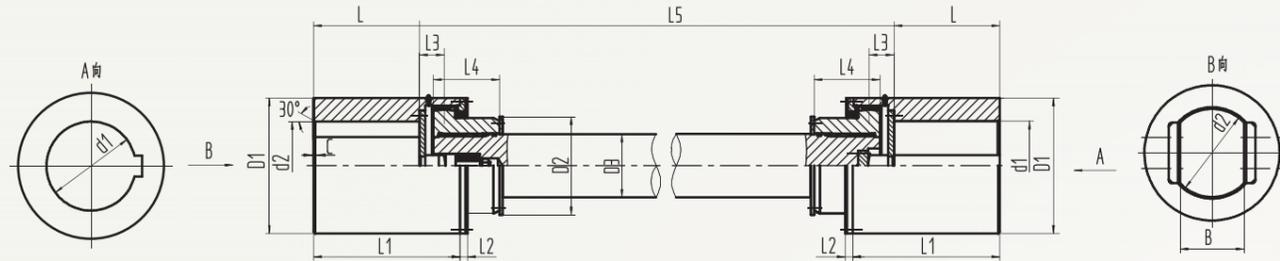
2、The couplings shaft hole type: the drive end general use cylinder-shaped, driven end use flat hole shape. If necessary, both ends can be a cylinder-shaped.

3、Cmax, get one-tenth according the flat hole diameter, that is C=0.1d2 and rounding.

4、Flat hole shape of shaft hole, d2 and B of the tolerance limit is H9.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GZA型接中间轴鼓型齿式联轴器

GZA drum type couplings connecting intermediate shaft

型号 Size	主要尺寸 Main Dimension mm					质量Quality Wt(Kg)		转动惯量 Rotational inertia Kg·m <sup>2</sup>		润滑油脂用量 Grease consumption ml
	L3	L4	L5 Min.	L6	C Max.	L5min质量 L5min quality Wt.	增长每米的质量 The quality of growth per meter 1m/Wt.	L5min的转动惯量 L5min of rotational inertia	增长每米的转动惯量 The rotational inertia of the growth per meter	
GZA1	35	90	500	3	8	46	30.2	0.05	0.018	150
GZA2	40	110	500	3	10	76	49.9	0.28	0.05	250
GZA3	46	120	600	3	11	105	61.65	0.43	0.07	350
GZA4	50	140	600	3	12	140	74.6	0.73	0.158	450
GZA5	54	160	600	5	14	200	104	1.43	0.22	650
GZA6	82	180	800	5	16	280	121	2.56	0.296	900
GZA7	85	200	800	5	19	380	158	4.26	0.501	1400
GZA8	95	220	1000	5	20	480	200	6.02	0.81	1800
GZA9	95	230	1000	5	22	550	247	7.95	1.24	2100
GZA10	98	250	1000	5	24	720	298	12.7	1.8	2500
GZA11	106	280	1200	5	26	1110	355	25.95	2.56	3000
GZA12	112	300	1200	6	30	1480	417	43.43	3.52	4000
GZA13	136	340	1400	6	34	2020	555	71.76	6.24	5200
GZA14	145	380	1500	6	36	2600	631	114.4	8.1	6500
GZA15	160	400	1500	6	40	3300	755	178	11.6	8000
GZA16	172	440	1600	10	42	4300	890	272	16	10000
GZA17	182	480	1800	10	46	5500	1090	392	24	12000
GZA18	195	520	2000	10	50	6700	1310	553	35	15000
GZA19	215	540	2000	10	53	8350	1540	805	48	16500
GZA20	225	560	2000	10	56	9500	1730	1024	61	18500
GZA21	236	600	2500	10	60	11500	1930	1334	75.66	21000
GZA22	246	640	2500	13	63	12600	2220	1621	99.9	24000
GZA23	265	680	2500	13	67	17900	2450	2579	122	27000

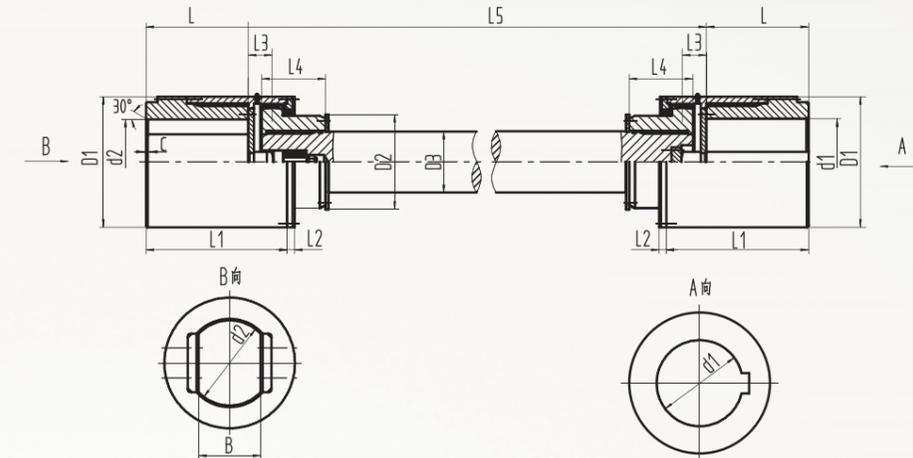
- 注：1、质量及转动惯量是按圆柱形最大轴孔直径且中间轴长度L5min时计算得出的近似值。  
 2、联轴器轴孔型式：一般使用主动端为圆柱形，从动端为扁孔形。如需要两端都可以为圆柱形。  
 3、Cmax按扁孔直径十分之一取，即C=0.1d2并圆整。  
 4、扁孔形轴孔时，d2和B的极限公差为H9。

- Note: 1、Quality and moment of inertia is according to the cylindrical maximum shaft hole diameter and the length of the intermediate shaft when L5min calculated approximation.  
 2、The couplings shaft hole type : the drive end general use cylinder-shaped, driven end use flat hole shape. If necessary, both ends can be a cylinder-shaped.  
 3、Cmax, get one-tenth according the flat hole diameter, that is C=0.1d2 and rounding.  
 4、Flat hole shape of shaft hole, d2 and B of the tolerance limit is H9.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

续表 / Continued table



GZB型接中间轴鼓型齿式联轴器

GZB drum type couplings connecting intermediate shaft

型号 Size	公称转矩 Nominal torque KN·m	圆柱形轴孔尺寸 Cylindrical shaft hole size mm		扁孔形轴孔尺寸 Flat-shaped shaft hole size mm			主要尺寸 Main Dimension mm				
		d1,d2	L Max.	d2 Max.	L Max.	B Max.	D1	D2	D3	L1	L2
			J1型								
GZB7	63	140-190	202-282	190	282	140	280	200	160	336-416	38
GZB8	80	160-200	242-282	200	282	160	300	220	180	392-432	44
GZB9	100	170-220	242-282	220	282	170	330	230	200	392-432	44
GZB10	125	190-240	282-330	240	330	180	355	250	220	442-490	51
GZB11	200	190-260	282-330	260	330	200	410	290	240	457-505	51
GZB12	315	240-300	330-380	300	380	220	460	320	260	518-568	57
GZB13	450	280-340	380-450	340	450	250	510	360	300	596-666	57
GZB14	560	300-360	380-450	360	450	280	560	400	320	628-698	64
GZB15	710	340-400	450-540	400	540	300	610	430	350	716-806	64
GZB16	900	360-420	550-650	420	650	320	660	460	380	842-942	64
GZB17	1120	400-460	650	460	650	350	710	500	420	964	64
GZB18	1250	420-500	650	500	650	380	760	540	460	990	76
GZB19	1600	440-530	650-800	530	800	400	810	580	500	1005-1155	76
GZB20	2000	450-560	650-800	560	800	420	860	600	530	1031-1181	76
GZB21	2240	480-600	650-800	600	800	450	910	650	560	1056-1206	76
GZB22	2800	530-630	800	630	800	480	965	680	600	1230	82
GZB23	3150	560-670	800-900	670	900	500	1000	710	630	1250-1350	82

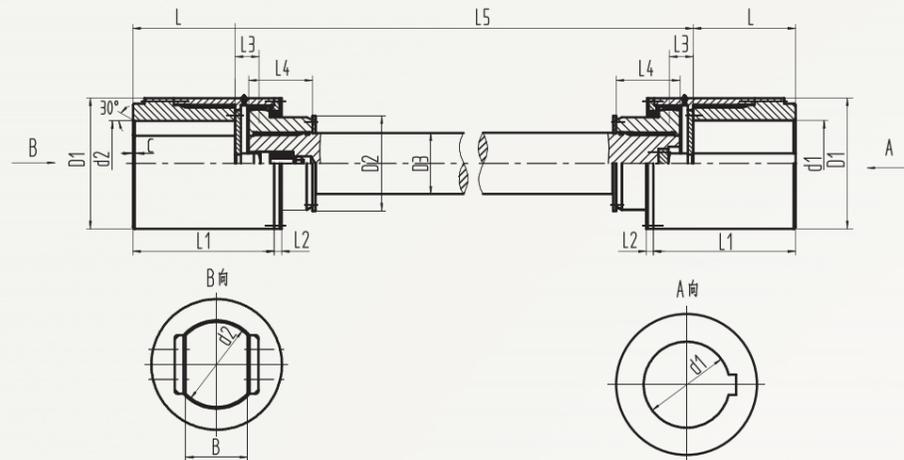
- 注：1、质量及转动惯量是按圆柱形最大轴孔直径且中间轴长度L5min时计算得出的近似值。  
 2、联轴器轴孔型式：一般使用主动端为圆柱形，从动端为扁孔形。如需要两端都可以为圆柱形。  
 3、Cmax按扁孔直径十分之一取，即C=0.1d2并圆整。  
 4、扁孔形轴孔时，d2和B的极限公差为H9。

- Note: 1、Quality and moment of inertia is according to the cylindrical maximum shaft hole diameter and the length of the intermediate shaft when L5min calculated approximation.  
 2、The couplings shaft hole type : the drive end general use cylinder-shaped, driven end use flat hole shape. If necessary, both ends can be a cylinder-shaped.  
 3、Cmax, get one-tenth according the flat hole diameter, that is C=0.1d2 and rounding.  
 4、Flat hole shape of shaft hole, d2 and B of the tolerance limit is H9.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

续表 / Continued table



GZB型接中间轴鼓形齿式联轴器

GZB drum type couplings connecting intermediate shaft

型号 Size	主要尺寸 Main Dimension mm					质量 QUALITY Wt(Kg)		转动惯量 ROTATIONAL INERTIA Kg·m <sup>2</sup>		润滑油脂 用量ml
	L3	L4	L5 Min.	L6	C Max.	L5Min.质量Wt L5 Min. quality Wt	增长每米的质量 The quality of growth per meter 1m/Wt	L5min的转动惯量 L5min of rotational inertia	增长每米的转动惯量 The rotational inertia of the growth per meter	
GZB7	85	200	800	5	19	380	158	4.26	0.501	1400
GZB8	95	220	1000	5	20	480	200	6.02	0.81	1800
GZB9	95	230	1000	5	22	550	247	7.95	1.24	2100
GZB10	98	250	1000	5	24	720	298	12.7	1.8	2500
GZB11	106	280	1200	5	26	1110	355	25.95	2.56	3000
GZB12	112	300	1200	6	30	1480	417	43.43	3.52	4000
GZB13	136	340	1400	6	34	2020	555	71.76	6.24	5200
GZB14	145	380	1500	6	36	2600	631	114.4	8.1	6500
GZB15	160	400	1500	6	40	3300	755	178	11.6	8000
GZB16	172	440	1600	10	42	4300	890	272	16	10000
GZB17	182	480	1800	10	46	5500	1090	392	24	12000
GZB18	195	520	2000	10	50	6700	1310	553	35	15000
GZB19	215	540	2000	10	53	8350	1540	805	48	16500
GZB20	225	560	2000	10	56	9500	1730	1024	61	18500
GZB21	236	600	2500	10	60	11500	1930	1334	75.66	21000
GZB22	246	640	2500	13	63	12600	2220	1621	99.9	24000
GZB23	265	680	2500	13	67	17900	2450	2579	122	27000

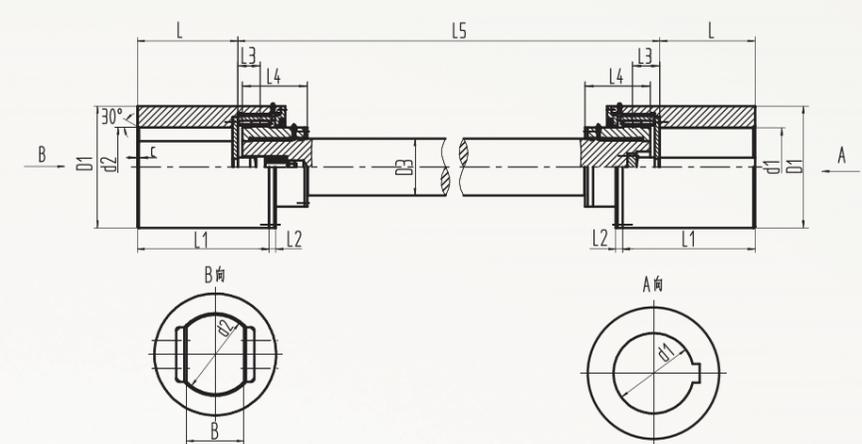
- 注：1、质量及转动惯量是按圆柱形最大轴孔直径且中间轴长度L5min时计算得出的近似值。  
 2、联轴器轴孔型式：一般使用主动端为圆柱形，从动端为扁孔形。如需要两端都可以为圆柱形。  
 3、Cmax按扁孔直径十分之一取，即C=0.1d2并圆整。  
 4、扁孔形轴孔时，d2和B的极限公差为H9。

Note: 1、Quality and moment of inertia is according to the cylindrical maximum shaft hole diameter and the length of the intermediate shaft when L5min calculated approximation.  
 2、The couplings shaft hole type: the drive end general use cylinder-shaped, driven end use flat hole shape. If necessary, both ends can be a cylinder-shaped.  
 3、Cmax, get one-tenth according the flat hole diameter, that is C=0.1d2 and rounding.  
 4、Flat hole shape of shaft hole, d2 and B of the tolerance limit is H9.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

续表 / Continued table



GZC型接中间轴鼓形齿式联轴器

GZC drum type couplings connecting intermediate shaft

型号 Size	公称转矩 Nominal torque KN·m	圆柱形轴孔尺寸 Cylindrical shaft hole size mm		扁孔形轴孔尺寸 Flat-shaped shaft hole size mm			主要尺寸 Main Dimension mm				
		d1, d2	L Max. J1型	d2 Max.	L max.	B Max.	D1	D2	D3	L1	L2
GZC7	63	140-190	202-282	190	282	140	280	200	160	336-416	38
GZC8	80	160-200	242-282	200	282	160	300	220	180	392-432	44
GZC9	100	170-220	242-282	220	282	170	330	230	200	392-432	44
GZC10	125	190-240	282-330	240	330	180	355	250	220	442-490	51
GZC11	200	190-260	282-330	260	330	200	410	290	240	457-505	51
GZC12	315	240-300	330-380	300	380	220	460	320	260	518-568	57
GZC13	450	280-340	380-450	340	450	250	510	360	300	596-666	57
GZC14	560	300-360	380-450	360	450	280	560	400	320	628-698	64
GZC15	710	340-400	450-540	400	540	300	610	430	350	716-806	64
GZC16	900	360-420	550-650	420	650	320	660	460	380	842-942	64
GZC17	1120	400-460	650	460	650	350	710	500	420	964	64
GZC18	1250	420-500	650	500	650	380	760	540	460	990	76
GZC19	1600	440-530	650-800	530	800	400	810	580	500	1005-1155	76
GZC20	2000	450-560	650-800	560	800	420	860	600	530	1031-1181	76
GZC21	2240	480-600	650-800	600	800	450	910	650	560	1056-1206	76
GZC22	2800	530-630	800	630	800	480	965	680	600	1230	82
GZC23	3150	560-670	800-900	670	900	500	1000	710	630	1250-1350	82

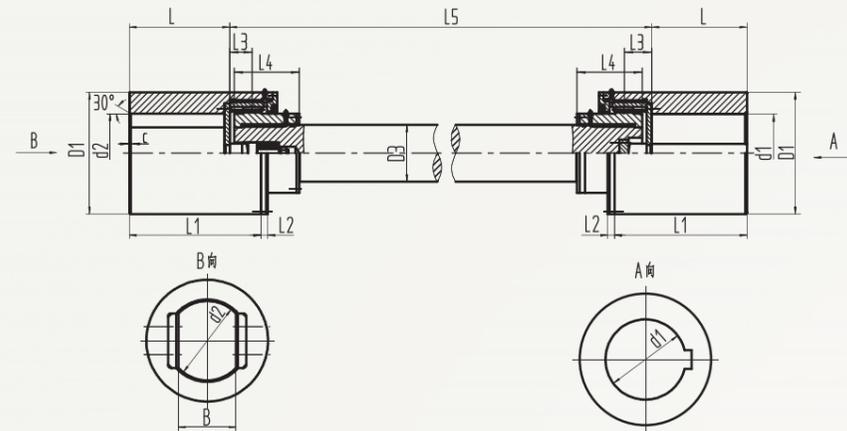
- 注：1、质量及转动惯量是按圆柱形最大轴孔直径且中间轴长度L5min时计算得出的近似值。  
 2、联轴器轴孔型式：一般使用主动端为圆柱形，从动端为扁孔形。如需要两端都可以为圆柱形。  
 3、Cmax按扁孔直径十分之一取，即C=0.1d2并圆整。  
 4、扁孔形轴孔时，d2和B的极限公差为H9。

Note: 1、Quality and moment of inertia is according to the cylindrical maximum shaft hole diameter and the length of the intermediate shaft when L5min calculated approximation.  
 2、The couplings shaft hole type: the drive end general use cylinder-shaped, driven end use flat hole shape. If necessary, both ends can be a cylinder-shaped.  
 3、Cmax, get one-tenth according the flat hole diameter, that is C=0.1d2 and rounding.  
 4、Flat hole shape of shaft hole, d2 and B of the tolerance limit is H9.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

续表 / Continue to watch



GZC型接中间轴鼓形齿式联轴器  
GZC drum type couplings connecting intermediate shaft

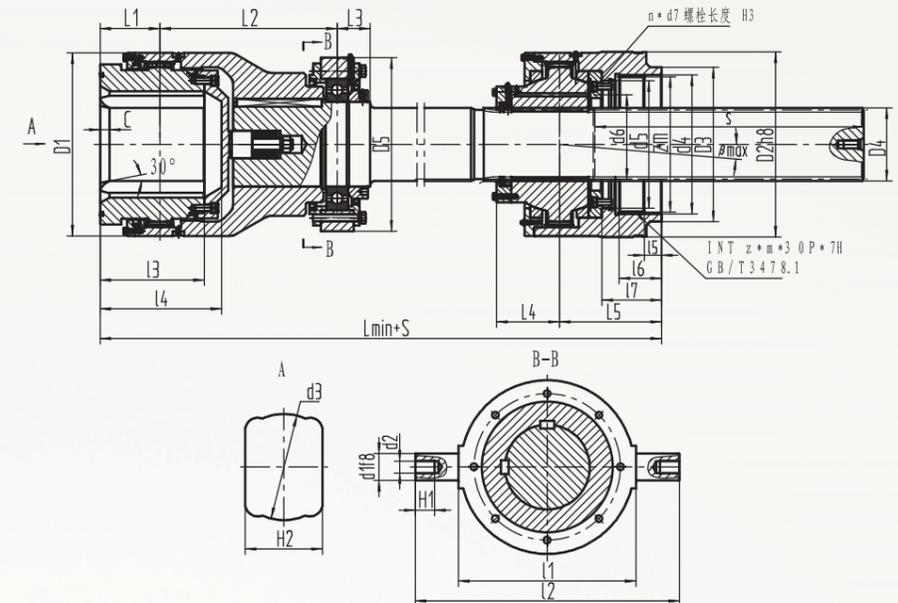
型号 Size	主要尺寸 Main Dimension mm					质量QUALITY Wt(Kg)		转动惯量Rotational inertia Kg·m <sup>2</sup>		润滑油脂用量 Grease consumption ml
	L3	L4	L5 Min.	L6	C Max.	L5min质量 L5min quality Wt.	增长每米的质量 The quality of growth per meter 1m/Wt.	L5min的转动惯量 L5min of rotational inertia	增长每米的转动惯量 The rotational inertia of the growth per meter	
GZB7	85	200	800	5	19	380	158	4.26	0.501	1400
GZB8	95	220	1000	5	20	480	200	6.02	0.81	1800
GZB9	95	230	1000	5	22	550	247	7.95	1.24	2100
GZB10	98	250	1000	5	24	720	298	12.7	1.8	2500
GZB11	106	280	1200	5	26	1110	355	25.95	2.56	3000
GZB12	112	300	1200	6	30	1480	417	43.43	3.52	4000
GZB13	136	340	1400	6	34	2020	555	71.76	6.24	5200
GZB14	145	380	1500	6	36	2600	631	114.4	8.1	6500
GZB15	160	400	1500	6	40	3300	755	178	11.6	8000
GZB16	172	440	1600	10	42	4300	890	272	16	10000
GZB17	182	480	1800	10	46	5500	1090	392	24	12000
GZB18	195	520	2000	10	50	6700	1310	553	35	15000
GZB19	215	540	2000	10	53	8350	1540	805	48	16500
GZB20	225	560	2000	10	56	9500	1730	1024	61	18500
GZB21	236	600	2500	10	60	11500	1930	1334	75.66	21000
GZB22	246	640	2500	13	63	12600	2220	1621	99.9	24000
GZB23	265	680	2500	13	67	17900	2450	2579	122	27000

- 注：1、质量及转动惯量是按圆柱形最大轴孔直径且中间轴长度L5min时计算得出的近似值。  
2、联轴器轴孔型式：一般使用主动端为圆柱形，从动端为扁孔形。如需要两端都可以为圆柱形。  
3、Cmax按扁孔直径十分之一取，即C=0.1d2并圆整。  
4、扁孔形轴孔时，d2和B的极限公差为H9。

Note: 1、Quality and moment of inertia is according to the cylindrical maximum shaft hole diameter and the length of the intermediate shaft when L5min calculated approximation.  
2、The couplings shaft hole type : the drive end general use cylinder-shaped, driven end use flat hole shape. If necessary, both ends can be a cylinder-shaped.  
3、Cmax, get one-tenth according the flat hole diameter, that is C=0.1d2 and rounding.  
4、Flat hole shape of shaft hole, d2 and B of the tolerance limit is H9.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GZZ正装联轴器  
GZZ positive assembling couplings

规格 Size	公称转矩 Nominal torque Tn Kn·m	工作轴 Working shaft 线折角 Knuckle line β	外形尺寸Overall dimension mm											伸缩量 Stroke mm	耳轴尺寸 Trunnion size mm			
			L1	L2	L3	L4	L5	L Min.	D1	D2	D3	D4	D5		d1 (f8)	L1	L2	d2×H1
			GZZ200	31.5	≤1.5°	90	250	50	80	190	710	200	200		170	88	200	500
GZZ250	50	105	280	60		90	195	780	250	258	220	105	250	500	45	270	425	M20×35
GZZ285	80	115	315	60		105	205	850	285	270	245	120	270	500	50	278	442	M20×40
GZZ300	100	115	315	62		108	205	855	300	280	250	124	280	600	50	292	447	M24×45
GZZ335	140	130	360	65		135	235	975	335	330	280	150	300	600	55	293	488	M24×45
GZZ355	180	130	360	75		145	245	1005	355	350	310	174	330	600	55	312	505	M24×45
GZZ390	224	140	390	80		155	255	1070	390	380	335	180	360	600	60	360	570	M24×50
GZZ405	250	140	390	80		155	255	1070	405	400	340	194	390	600	60	390	580	M24×50
GZZ440	315	150	430	85		165	260	1140	440	440	375	208	410	600	65	420	650	M24×50
GZZ475	400	155	460	85		165	265	1180	475	480	415	220	450	600	70	460	684	M36×70
GZZ510	500	160	490	90		180	310	1280	510	520	430	245	480	600	80	500	770	M36×70
GZZ550	630	160	510	95		180	310	1300	550	550	470	252	510	600	85	520	800	M36×70
GZZ580	750	165	515	98		185	320	1315	580	560	485	258	525	600	90	540	850	M42×80
GZZ610	840	225	580	105		210	360	1550	610	610	520	280	580	600	100	600	940	M42×80
GZZ660	1050	245	640	115		230	390	1690	660	660	540	295	630	600	100	650	990	M42×80
GZZ710	1300	265	680	125		250	410	1800	710	710	580	315	680	600	110	700	1070	M42×80
GZZ760	1600	290	730	135		260	430	1920	760	760	620	340	740	600	120	750	1150	M42×80

注：质量及转动惯量是按照圆柱形的最大轴孔直径，且总长最短时，所计算得出的近似值。

Note: Quality and rotary inertia is in according to the largest cylindrical shaft hole diameter, and in the total length of the shortest, get the approximate value from the calculation.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

续表 / Continued table

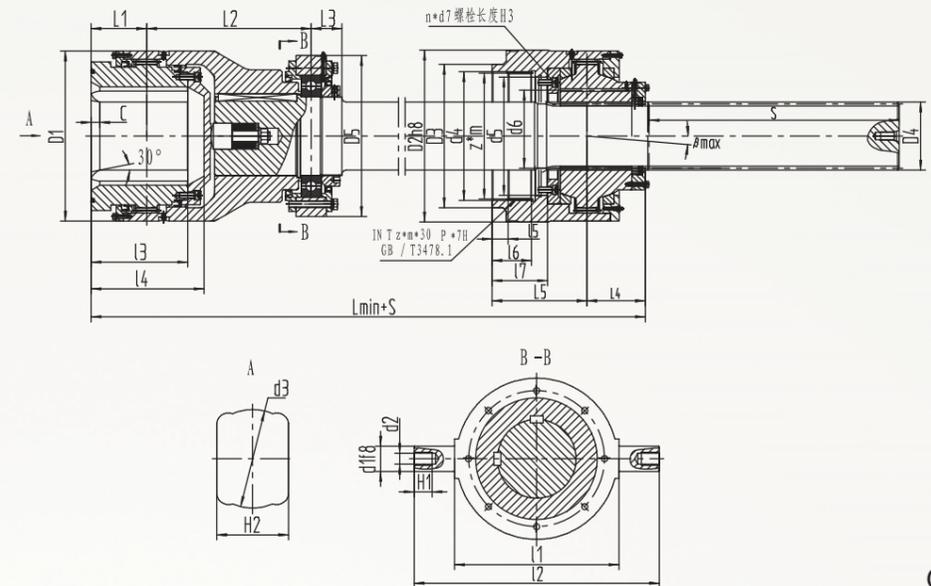
轧辊端连接尺寸 Roll end connection size mm				减速机端连接尺寸 Reducer end connection size mm									质量 Quality Kg		转动惯量 Rotational inertia Kg·m <sup>2</sup>			
d3 Max.		H2 Max.		L3 Max.	L4 Max.	C	d4 (H8)	d5 (H7)	d6 (JS10)	m × z	n × d7 × H3	L5	L6	L7	L Min.	每增长 100 mm For every 100 mm growth	L Min.	每增长 100 mm For every 100 mm growth
公称尺寸 Nominal dimension	极限偏差 Extreme deviation	公称尺寸 Nominal dimension	极限偏差 Extreme deviation															
125		95		135	175	10	155	130	110	4 × 36	6 × M10 × 25	35	85	120	150	4.77	0.75	0.024
150	0.20	110	+0.20	195	235		195	170	150	4 × 46	6 × M10 × 25	35	90	125	207	6.80	1.62	0.05
165	+0.10	120	+0.10	205	245	15	220	195	175	4 × 46	10 × M10 × 25	40	95	130	291	8.88	2.95	0.09
180		130		210	250		220	195	175	5 × 42	12 × M12 × 30	45	100	132	322	9.48	3.62	0.11
195	+0.25	150	+0.25	210	255		245	220	200	5 × 46	12 × M12 × 30	50	100	150	460	13.87	6.45	0.19
195	+0.15	150	+0.15	215	255		260	240	220	5 × 50	12 × M12 × 30	50	100	150	507	18.67	7.99	0.29
220		170		230	275		280	260	240	5 × 54	12 × M12 × 30	50	100	150	650	19.98	12.36	0.38
240	+0.35	180	+0.35	240	285	25	305	280	260	5 × 58	12 × M12 × 30	50	110	155	785	23.2	16.09	0.48
260	+0.20	190	+0.20	250	295		336	306	276	6 × 54	12 × M16 × 40	50	115	155	836	26.67	20.23	0.65
280		210		272	317		365	330	300	6 × 58	12 × M16 × 40	50	115	155	1032	29.84	29.11	0.84
300		230		300	355		390	345	315	6 × 62	12 × M16 × 40	50	130	170	1531	37.01	49.78	1.20
320		240		320	375	30	400	370	320	6 × 64	12 × M16 × 40	50	130	170	1537	39.15	58.12	1.48
340	+0.40	260	+0.40	325	388		405	370	320	6 × 66	12 × M16 × 40	50	135	175	1769	41.04	74.39	1.73
400	+0.25	300	+0.25	420	470		455	420	370	8 × 54	12 × M20 × 50	50	160	210	2492	48.34	115.9	2.25
420		320		440	500	35	485	440	400	8 × 58	12 × M20 × 50	60	180	230	3178	53.65	173	2.92
460		350		480	540		530	475	430	10 × 50	12 × M20 × 50	60	190	240	3693	61.18	232.7	3.85
500		380		530	590	40	570	515	470	10 × 54	12 × M20 × 50	60	200	250	4592	71.27	331.5	5.15

注：质量及转动惯量是按照圆柱形的最大轴孔直径，且总长最短时，所计算得出的近似值。

Note: Quality and rotary inertia is in according to the largest cylindrical shaft hole diameter, and in the total length of the shortest, get the approximate value from the calculation.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GZF 反装联轴器  
GZF negative assembling couplings

规格 Size	公称转矩 Nominal torque Tn KN·m	工作轴 Working shaft 线折角 Knuckle line β	外形尺寸 Overall dimension mm												伸缩量 Stroke mm	耳轴尺寸 Trunnion size mm			
			L1	L2	L3	L4	L5	L Min.	D1	D2 (h8)	D3	D4	D5	D6		d1 (f8)	L1	L2	d2 × H1
			GZF200	31.5	≤1.5°	90	250	50	80	190	960	200	200	170		88	200	90	500
GZF250	50	105	280	60		90	195	1050	250	258	220	105	250	107	500	45	270	425	M20 × 35
GZF285	80	115	315	60		105	205	1140	285	270	245	120	270	122	600	50	278	442	M20 × 40
GZF300	100	115	315	62		108	205	1165	300	280	250	124	280	126	600	50	292	487	M24 × 45
GZF335	140	130	360	65		135	235	1315	335	330	280	150	300	152	600	55	293	488	M24 × 45
GZF355	180	130	360	75		145	245	1360	355	350	310	174	330	176	600	55	312	505	M24 × 45
GZF390	224	140	390	80		155	255	1450	390	380	335	180	360	182	600	60	360	570	M24 × 50
GZF405	250	140	390	80		155	255	1450	405	400	340	194	390	196	600	60	390	580	M24 × 50
GZF440	315	150	430	85		165	260	1540	440	440	375	208	410	210	600	65	420	650	M24 × 50
GZF475	400	155	460	85		165	265	1600	475	480	415	220	450	222	600	70	460	684	M36 × 70
GZF510	500	160	490	90		180	310	1750	510	520	430	245	480	247	600	80	500	770	M36 × 70
GZF550	630	160	510	95		180	310	1770	550	550	470	252	510	254	600	85	520	800	M36 × 70
GZF580	750	165	515	98		185	320	1790	580	560	485	258	525	260	600	90	540	850	M42 × 80
GZF610	840	225	580	105		210	360	2060	610	610	520	280	580	282	600	100	600	940	M42 × 80
GZF660	1050	245	640	115		230	390	2230	660	660	540	295	630	297	600	100	650	990	M42 × 80
GZF710	1300	265	680	125		250	410	2380	710	710	580	315	680	317	600	110	700	1070	M42 × 80
GZF760	1600	290	730	135		260	430	2540	760	760	620	340	740	342	600	120	750	1150	M42 × 80

注：质量及转动惯量是按照圆柱形的最大轴孔直径，且总长最短时，所计算得出的近似值。

Note: Quality and rotary inertia is in according to the largest cylindrical shaft hole diameter, and in the total length of the shortest, get the approximate value from the calculation.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

续表 / Continued table

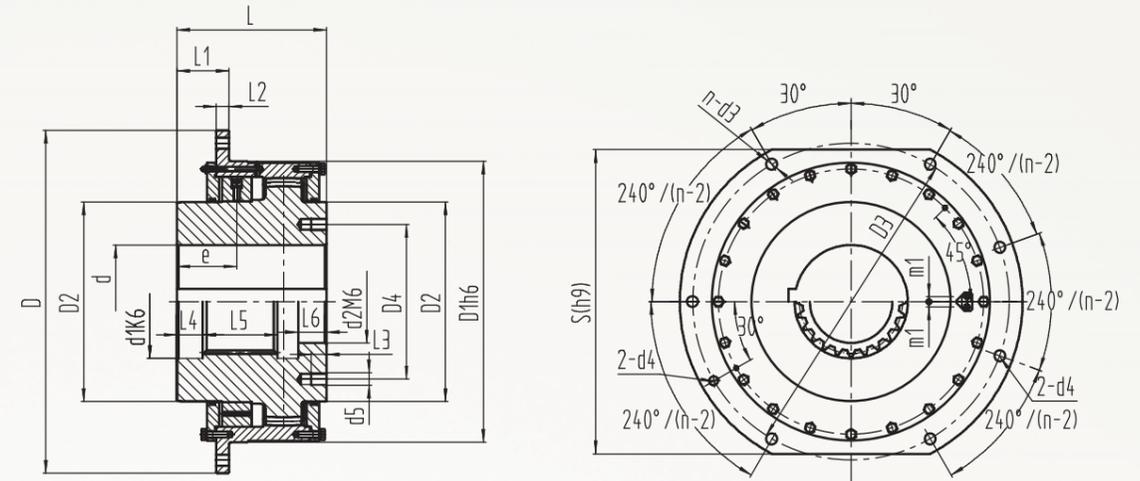
轧辊端连接尺寸 Roll end connection size mm				减速器端连接尺寸 Reducer end connection size mm											质量 Quality Kg		转动惯量 Rotational inertia Kg·m <sup>2</sup>	
d3 Max.		H2 Max.		L3 Max.	L4 Max.	C	d4 (H8)	d5 (H7)	d6 (JS 10)	m × z	n × d7 × H3	L5	L6	L7	L Min.	每增长100mm Quality Kg for every 100 mm growth	L Min.	每增长100mm For every 100 mm growth
公称尺寸 Nominal dimension	极限偏差 Extreme deviation	公称尺寸 Nominal dimension	极限偏差 Extreme deviation															
125		95		135	175	10	155	130	110	4 × 36	6 × M10 × 25	35	85	120	150	4.77	0.81	0.02
150	+0.20	110	+0.20	195	235		195	170	150	4 × 46	6 × M10 × 25	35	90	125	207	6.80	1.77	0.05
165	+0.10	120	+0.10	205	245		220	195	175	4 × 46	10 × M10 × 25	40	95	130	291	8.88	3.22	0.09
180		130		210	250	15	220	195	175	5 × 42	12 × M12 × 30	45	100	132	322	9.48	3.96	0.11
195	+0.25	150	+0.25	210	255		245	220	200	5 × 46	12 × M12 × 30	50	100	150	460	13.87	7.13	0.19
195	+0.15	150	+0.15	215	255		260	240	220	5 × 50	12 × M12 × 30	50	100	150	507	18.67	9.04	0.29
220		170		230	275		280	260	240	5 × 54	12 × M12 × 30	50	100	150	650	19.98	13.82	0.38
240	+0.35	180	+0.35	240	285	25	305	280	260	5 × 58	12 × M12 × 30	50	110	155	785	23.2	17.92	0.48
260	+0.20	190	+0.20	250	295		336	306	276	6 × 54	12 × M16 × 40	50	115	155	836	26.67	22.84	0.65
280		210		272	317		365	330	300	6 × 58	12 × M16 × 40	50	115	155	1032	29.84	32.69	0.84
300		230		300	355		390	345	315	6 × 62	12 × M16 × 40	50	130	170	1531	37.01	55.5	1.20
320		240		320	375	30	400	370	320	6 × 64	12 × M16 × 40	50	130	170	1537	39.15	65.15	1.48
340	+0.40	260	+0.40	325	388		405	370	320	6 × 66	12 × M16 × 40	50	135	175	1769	41.04	82.67	1.73
400	+0.25	300	+0.25	420	470	35	455	420	370	8 × 54	12 × M20 × 50	50	160	210	2492	48.34	115.9	2.25
420		320		440	500		485	440	400	8 × 58	12 × M20 × 50	60	180	230	3178	53.65	173	2.92
460		350		480	540	40	530	475	430	10 × 50	12 × M20 × 50	60	190	240	3693	61.18	232.7	3.85
500		380		530	590		570	515	470	10 × 54	12 × M20 × 50	60	200	250	4592	71.27	331.5	5.15

注：质量及转动惯量是按照圆柱形的最大轴孔直径，且总长最短时，所计算得出的近似值。

Note: Quality and rotary inertia is in according to the largest cylindrical shaft hole diameter, and in the total length of the shortest, get the approximate value from the calculation.

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GJB型  
GJB type

型号 Size	公称转矩 Nominal torque Tn(N·m)	径向载荷 Radial load (N)	圆孔Circular hole			内花键Internal spline		主要尺寸 Main Dimension mm			
			dH7(mm)		L(mm)	花键参数 Spline parameters	L (mm)	D	D1 h6	D2	D3
			Min.	Max.							
GJB1	4500	14500	40	65	95	INT16z × 2.5m	95	250	160	95	220
						INT17z × 2.5m	95				
GJB2	6000	16500	50	75	100	INT17z × 2.5m	100	280	180	110	250
						INT15z × 3m	100				
GJB3	7500	18500	60	85	110	INT15z × 3m	110	320	200	125	280
						INT18z × 3m	110				
GJB4	9000	20000	60	95	125	INT18z × 3m	125	340	220	140	300
						INT22z × 3m	125				
GJB5	15500	31000	80	105	130	INT22z × 3m	130	360	240	160	320
						INT27z × 3m	130				
GJB6	19500	35000	80	120	145	INT27z × 3m	145	380	260	180	340
						INT18z × 5m	145				
GJB7	24000	38500	100	135	170	INT18z × 5m	170	400	280	200	360
						INT22z × 5m	170				
GJB8	28000	42000	100	145	175	INT22z × 5m	175	420	310	220	380
						INT26z × 5m	175				
GJB9	38000	48000	100	155	185	INT26z × 5m	185	450	340	260	400
						INT30z × 5m	185				
GJB10	45000	52000	110	160	200	INT28z × 5m	200	500	380	270	450
						INT32z × 5m	200				
GJB11	55000	65000	110	180	220	INT28z × 5m	220	510	400	280	460
						INT32z × 5m	220				
GJB12	70000	100000	120	205	240	INT30z × 5m	240	550	420	310	500
						INT34z × 5m	240				

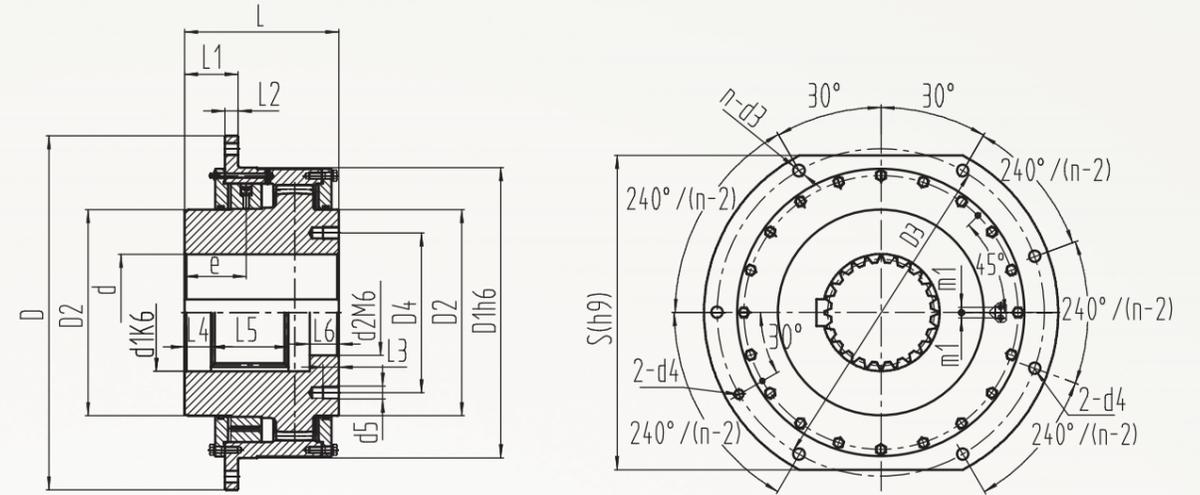
齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings

型号 Size	公称转矩 Nominal torque T <sub>n</sub> (N·m)	径向载荷 Radial load (N)	圆孔Circular hole		L(mm)	内花键Internal spline		主要尺寸 Main Dimension mm			
			dH7(mm)			花键参数 Spline parameters	L (mm)	D	D1 h6	D2	D3
			Min.	Max.							
GJB13	120000	125000	140	230	260	INT34z × 5m	260	580	450	350	530
						INT38z × 5m	260				
GJB14	150000	135000	150	240	290	INT36z × 5m	270	620	500	380	560
						INT25z × 8m	270				
GJB15	180000	150000	160	280	315	INT38z × 5m	280	650	530	410	600
						INT26z × 8m	280				
GJB16	310000	250000	170	300	350	INT26z × 8m	300	680	560	440	630
						INT30z × 8m	300				
GJB17	400000	300000	200	320	380	INT32z × 8m	320	720	600	480	660
						INT36z × 8m	320				
GJB18	500000	340000	230	355	410	INT34z × 8m	340	780	670	530	730
						INT38z × 8m	340				
GJB19	685000	380000	260	400	450	INT38z × 8m	360	850	730	580	800
						INT44z × 8m	360				

齿式联轴器结构型式、基本参数表和主要尺寸

The structural style, basic parameters table and main dimensions of the gear couplings



GJB型  
GJB type

型号 Size	主要尺寸 Main Dimension mm						
	D4	L1	L2	L3	L4	L5	L6
GJB1	-	42	12	-	22	45	18
GJB2	-	42	12	-	22	50	18
GJB3	-	45	15	-	22	56	22
GJB4	-	45	15	-	22	63	30
GJB5	-	45	15	-	22	73	25
GJB6	-	45	15	-	22	83	25
GJB7	165	45	15	24	38	92	25
GJB8	180	45	15	24	38	92	30
GJB9	215	60	20	30	38	97	35
GJB10	225	60	20	30	38	107	40
GJB11	240	60	20	30	38	127	40
GJB12	260	60	20	30	38	147	40
GJB13	290	60	20	36	38	162	45
GJB14	320	60	25	36	38	167	45
GJB15	350	65	25	36	38	177	45
GJB16	375	65	25	45	45	190	45
GJB17	415	81	35	45	45	210	45
GJB18	445	81	35	45	45	230	45
GJB19	500	81	35	45	45	240	55

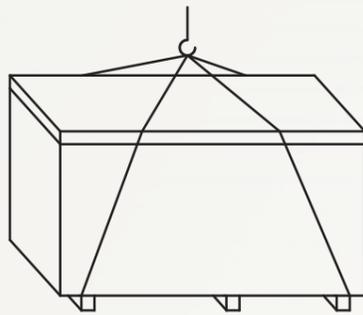
## 齿式联轴器的搬运与储存

### The carrying and storage of the gear couplings

#### ● 搬运 Carrying

一般情况下，齿式联轴器都是整体交货并采用木箱包装。吊运时绳索应兜挂木箱枕木外侧（见下图），要力求使木箱始终处于水平状态。

Under general circumstances, the gear couplings is overall delivery and packaging with wooden case. When swinging, the ropes should hang on the wooden case sleepers' outside(see below picture), should be in horizontal position.



齿式联轴器在半联、外齿端面，内齿法兰面加工有起吊孔，没有木箱直接吊运齿式联轴器时，起吊孔可用于现场起吊。

When gear couplings has lifting hole on the halve, outer tooth end face and internal tooth flange surface, and to direct lifting gear couplings without wooden box, the lifting holes can be used for on-site lifting.

#### ● 贮存 Storage

- ◆ 齿式联轴器在安装前如需长期存放，应保留其关键外露表面涂敷的保护层。其存放地点应保持干燥、通风。如户外存放，必须将齿式联轴器置于箱内，并在地上加垫，将其垫起一定高度，同时还要采取防雨措施。
- ◆ 没有木箱包装的齿式联轴器不应露天存放，也不应重叠码放，不仅应将其置于干燥、通风的场所，还应注意外齿和内齿等部件的防锈。
- ◆ If the gear couplings needs long-term storage before installation, should retain its key coating protective layer in the exposed on the surface. Its storage place should be kept dry and ventilated. Such as outdoor storage, universal joint must be placed in the trunk, and put a mat on the floor to a certain height, meanwhile take rainproof measures.
- ◆ The gear couplings without wooden package should not be stored in open air, also should not overlapping stacking, not only should be placed in dry and ventilated place, should also pay attention to the inner tooth and outer tooth and other parts of the anti-corrosive.

## 齿式联轴器的安装、调整、润滑和维护

### The installation, adjustment, lubrication and maintenance of the gear couplings

齿式联轴器较小规格轴孔与轴伸通常为间隙配合，有固定螺钉垂直于键槽固定；较大规格轴孔与轴伸通常为过盈配合，需要热装。

轴孔与轴伸间隙配合的联轴器安装前，先检查半联、轴、键各表面，不允许有毛刺、碰伤，再清洗所有零部件。在半联键槽底部涂适量密封胶，保证键槽处不漏油；不允许加热间隙配合的半联。安装半联、轴、键，拧紧轴向固定螺钉。

轴孔与轴伸间隙配合的联轴器安装前，先检查轮毂、轴、键各表面，不允许有毛刺、碰伤，再清洗所有零部件。在轮毂键槽底部涂适量密封胶，保证键槽处不漏油；轴孔与轴伸间隙配合，不允许加热间隙配合的轮毂。安装轮毂、轴、键，拧紧轴向固定螺钉。

轴孔与轴伸过盈配合的联轴器安装前，先检查轮毂、轴、键各表面，不允许有毛刺、碰伤，再清洗所有零部件。在轮毂键槽底部涂适量密封胶，保证键槽处不漏油；因轴孔与轴伸过盈配合，需要加热轮毂。加热轮毂可使用烤炉、喷灯、感应加热器或油池，如直接加热轮毂孔，需要保持恒定运动，以免使某一区域过热。

For small specifications of the gear couplings which the shaft hole and shaft extension is usually a clearance fit, have a fixed screw is perpendicular to the keyway to fixed; And for bigger specification which the shaft hole and shaft extension is interference fit, usually need to hot charging.

The couplings shaft hole and shaft extension of clearance fit, before installation to check each surface of the halve, shaft, key, the burr, bumping is not allowed, and clean all the parts again. Apply proper amount of sealant at the bottom of the halve keyway, guarantee the keyway is no oil leakage; It is not allowed heating clearance fit of the halve. Installing halves, shafts, keys, tighten the axial fixed.

The couplings shaft hole and shaft extension of clearance fit, before installation to check each surface of the wheel hub, shaft, key, the burr, bumping is not allowed, and clean all the parts again. Apply proper amount of sealant at the bottom of the wheel hub keyway, guarantee the keyway is no oil leakage; The shaft hole and shaft extension is not allowed heating clearance fit of the wheel hub. Installing wheels hub, shafts, keys, tighten the axial fixed screw.

The couplings shaft hole and shaft extension of interference fit before installation, check the each surfaces of the wheel hub, shaft, key, the burr, bumping is not allowed, clean all the parts again. Apply proper amount of sealant at the bottom of the wheel hub keyway, guarantee the keyway is no oil leakage; Due to the shaft hole and shaft extension needs interference fit, wheels hub need to be heated. using oven, burner, induction heater or oil pool to heat wheel hub, such as direct heating wheel hub hole, need to maintain a constant movement, lest make some area is overheating.

#### ● 安装、调整与润滑

##### The installation, adjustment and lubrication

##### ◆ 装配密封圈、端盖、内齿

首先，关闭启动开关，并卸去来自驱动装置的载荷。用不易燃的溶剂擦净所有的金属零件和装配面，并在端盖或内齿密封槽内涂上润滑脂，在密封圈上也涂一层润滑脂，然后轻轻地将密封圈装入端盖或内齿密封槽内，在装配外齿之前，把装配好的端盖或内齿和密封圈放在轴上。

##### ◆ Assemble sealing ring, end cover, inner tooth

First of all, turn off the start switch, removing the load from the driven device. Use the non-flammable solvent to wipe all the metal parts and mounting surfaces. within the end cover or tooth sealing groove painted the grease, and also painted a layer of grease on the sealing ring. After then the seal ring gently be place on the end cover and internal tooth sealing groove, before outer tooth assembly, the assembled end cover or inner teeth and the sealing ring be placed on the shaft.

## 齿式联轴器的安装、调整、润滑和维护

The installation, adjustment, lubrication and maintenance of the gear couplings

### ◆ 装配外齿、半联

如果是间隙配合的，不需加热；如果是过盈配合的，根据前面的说明加热外齿。然后分别把外齿装到相应的轴上，除非另有其它说明，一般外齿端面与轴端齐平。如果是间隙配合的，装完后需要拧紧固定螺钉。外齿上需要装配端盖或内齿密封配合面上涂上润滑脂，然后把上一步装配好的端盖或内齿和密封圈慢慢套在外齿密封配合面上；半联的装配方法和外齿一样。

### ◆ Assemble outer tooth and halves

If it is clearance fit, do not need to be heated; If it is interference fit, according to the previous description to heat outer tooth, than respectively installing the outer tooth to the corresponding shaft, unless otherwise specified, generally the outer tooth face is flush with the shaft end. If it is clearance fit, need to tighten the screws after assembled. The outer tooth needs assembly the end cover on, inner tooth seal mating surfaces be coated with grease. Then put the end cover has been assembled in the previous step or inner tooth and seal ring slowly be fitted to the outer tooth of sealing matching surface; The assembly methods of halves and the outer tooth is same.

### ◆ 装配其它部件

有端面密封槽的部件要在端面密封槽内涂上润滑脂，在密封圈上也涂一层润滑脂，将密封圈轻轻放入端面密封槽中，然后用螺栓、螺母、弹垫将联轴器两半装配在一起。有制动盘、制动轮、中间接管的也在此步骤完成。

### ◆ Assemble other parts

The parts has the end face seal groove needs to coated with grease, and also painted a layer of grease on the sealing ring, the seal ring gently be placed onto sealing matching surface. After than with bolt, nut, spring washers to assembly the two and a half couplings together. The couplings with brake disc, brake wheel and spring washer is also done by this step.

### 螺栓的拧紧力矩（见附表2）

Bolt tightening torque as shown in table 2

## ● 使用、维护与保养

The use, maintenance and preservation

齿式联轴器应进行润滑，特别是在高速下运转时，更应重视润滑，保持良好润滑状态。

齿式联轴器润滑脂选用2号锂基润滑脂ZL-4。每半年换一次润滑脂。每月检查二次，发现不足及时补充。

加润滑脂的时候，旋开内齿上注油孔的油塞，插入注油装置。加入润滑脂直至从对面的油孔中有过剩的润滑脂溢出。

注意：加油后所有的油塞都一定要盖上旋紧。

The gear couplings should be lubricated, especially when under high speed operation, should pay more attention to lubrication, maintain good lubrication condition.

The gear couplings should adopt number 2 lithium grease ZL-4. change the grease once every half a year. Monthly check twice, found insufficient to replenish.

When adding the grease, unscrew the lubricating oil plug hole on the cover, insert the oiling device. Add grease until to have excess grease from the opposite oil hole overflow.

Note: after oiled, all the oil plugs must be covered and tightened.

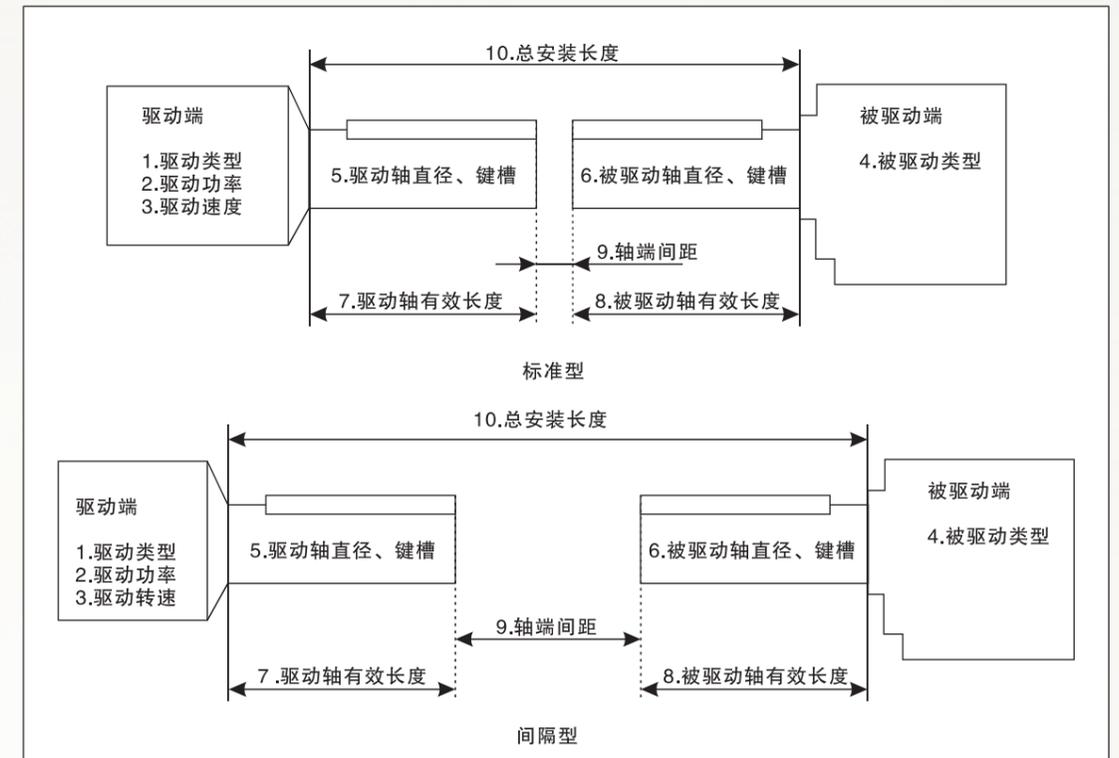
## 附表

Attached list

### ● 附表1 Attached list 1

#### 索达公司选型基本信息表

Suoda company basic information table selection



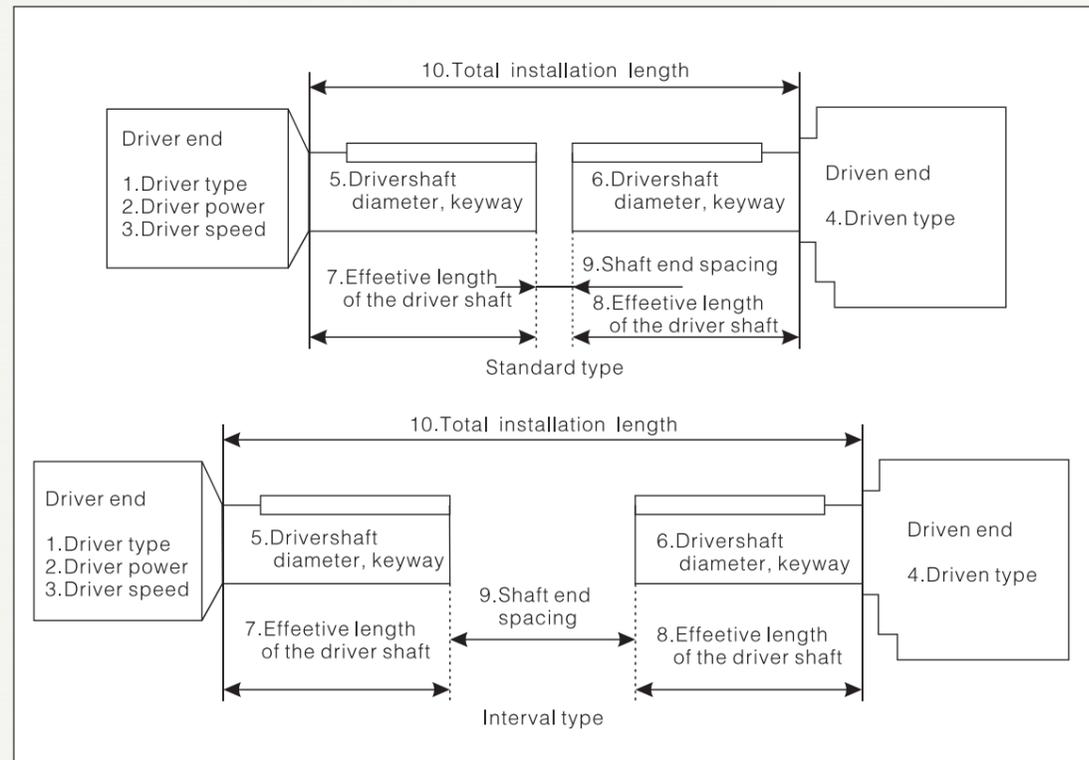
- 驱动类型: 电动机 透平机 内燃机—内燃机汽缸数: \_\_\_\_\_  
 载荷类别: 均匀 轻冲击 中冲击 重冲击 特重冲击  
 启动频率(次数): \_\_\_\_\_
- 驱动功率(Kw): \_\_\_\_\_ 3. 驱动转速(rpm): \_\_\_\_\_
- 被驱动设备类型: \_\_\_\_\_
- 驱动轴直径(mm): \_\_\_\_\_ 键槽(mm): \_\_\_\_\_
- 被驱动直径(mm): \_\_\_\_\_ 键槽(mm): \_\_\_\_\_
- 驱动轴有效长度(mm): \_\_\_\_\_
- 被驱动轴有效长度(mm): \_\_\_\_\_
- 轴间距(mm): \_\_\_\_\_ 10. 总安装长度(mm): \_\_\_\_\_
11. 轴向补偿(mm): \_\_\_\_\_ 12. 径向补偿(mm): \_\_\_\_\_
13. 角向补偿(°): \_\_\_\_\_
14. 工作环境: 室内 室外 灰尘 水 油 腐蚀 其他 \_\_\_\_\_
15. 工作温度(°C): \_\_\_\_\_
16. 允许回转空间(mm): \_\_\_\_\_
17. 其他: \_\_\_\_\_

附表  
Attached list

● 附表1 Attached list 1

索达公司选型基本信息表

Suoda company basic information table selection



1. Driver Type:  Electric motor  Turbine  Internal combustion engines,  
internal combustion engine cylinder number: \_\_\_\_\_  
Load Type:  Uniform  Light impact  Medium impact  Heavy impact  Extra heavy impact  
Start frequency : \_\_\_\_\_
2. Driving power (Kw): \_\_\_\_\_ 3. Motor speed (rpm): \_\_\_\_\_
4. Driven device type: \_\_\_\_\_
5. Driver shaft diameter(mm): \_\_\_\_\_ Keyway size (mm): \_\_\_\_\_
6. Driven shaft diameter (mm): \_\_\_\_\_ Keyway size(mm): \_\_\_\_\_
7. Effective length of the drive shaft (mm): \_\_\_\_\_
8. Effective length of the driven shaft (mm): \_\_\_\_\_
9. Axle Base (mm): \_\_\_\_\_ 10. The total length of installation(mm): \_\_\_\_\_
11. Axial compensation (mm): \_\_\_\_\_ 12. Radial compensation (mm): \_\_\_\_\_
13. Angular compensation(° ): \_\_\_\_\_
14. Working environment:  Indoor  Outdoor  Dusty  Water  Oil  Corrosion  Other  
\_\_\_\_\_
15. Working temperature (°C): \_\_\_\_\_
16. Allows rotary space(mm): \_\_\_\_\_
17. Other: \_\_\_\_\_

附表  
Attached list

● 附表2 Attached list 2

性能等级10.9级, 45、35CrMo或同等以上材料 Performance rating 10.9, 45, 35CrMo or with equivalent above material						
螺栓大小 Bolt size	M6	M8	M10	M12	M16M16	M18
拧紧力矩(N·m) Tightening torque	8.8-14.7	14.7-34	34-74	54-123	147-309	201-427
螺栓大小 Bolt size	M20	M22	M24	M27	M30	M33
拧紧力矩(N·m) Tightening torque	319-608	471-829	588-1030	883-1470	1130-1910	1470-2450
螺栓大小 Bolt size	M36	M39				
拧紧力矩(N·m) Tightening torque	1860-3040	2260-3630				



**质量为本      敏捷为机**  
**创新为力      客户有利**

Quality Oriented    Innovation Powers  
Agility Opportunity    Customers benefit

SUODA COUPLING