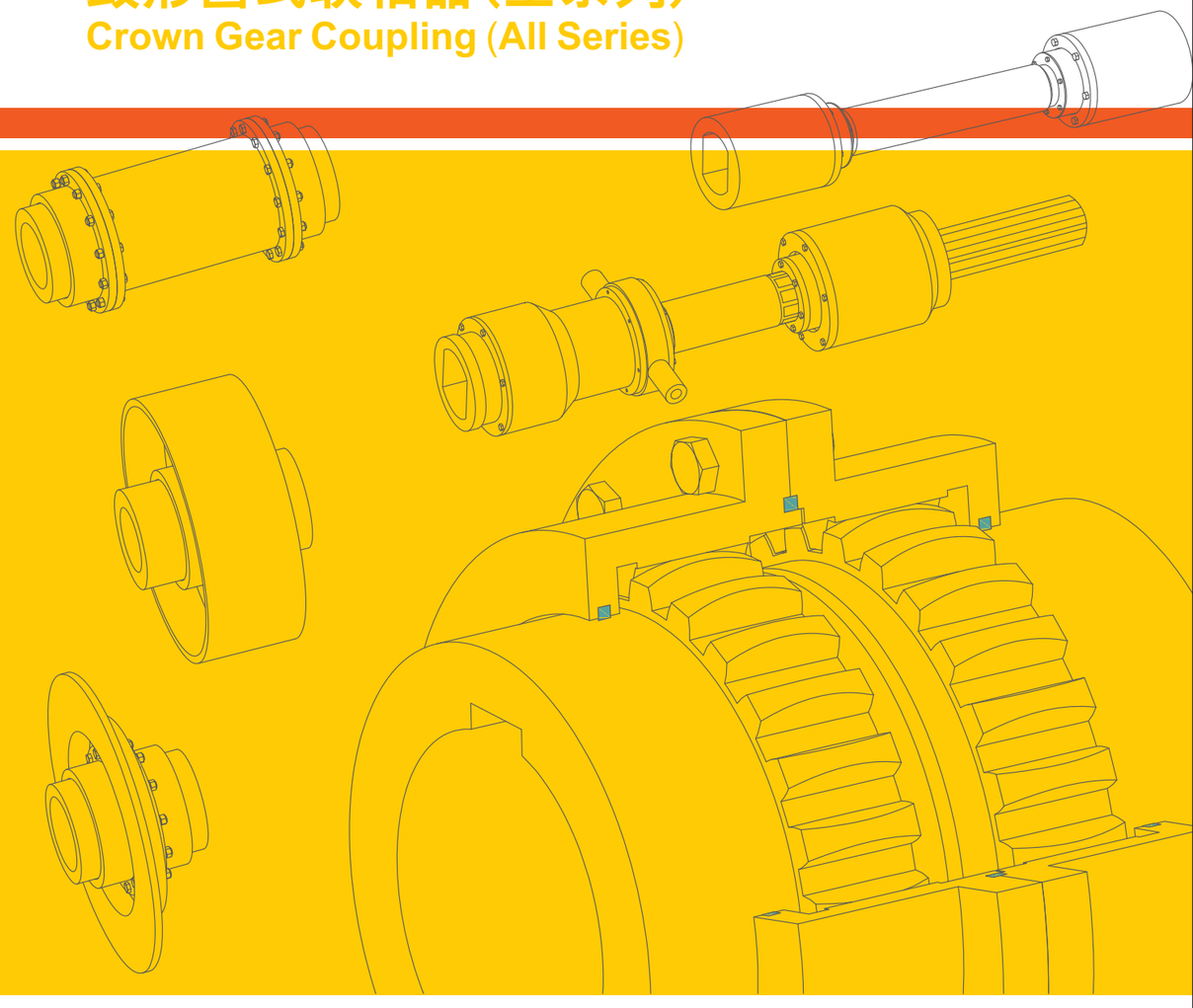
三豐傳動®

ISO9001:2008 质量体系认证

www.sfcoupling.com

# 鼓形齿式联轴器(全系列)
# Crown Gear Coupling (All Series)




**乐清市三丰传动有限公司**
YUEQING SANFENG TRANSMISSION CO.,LTD
**(乐清市三丰传动件厂)**
YUEQING SANFENG TRANSMISSION PARTS FACTORY

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# COMPANY INTRODUCTION

## ◎ 企业简介

乐清市三丰传动创建于上世纪八十年代中期，是专业研发及生产卷筒联轴器和十字轴式万向联轴器的厂家。三丰传动拥有一支高素质的专业团队和完善的品质管理程序，目前三丰传动人均产值和亩产值指标均在全国同行前列，其中92年开发生产的SWF十字轴式万向联轴器和96年开发生产的WZL型卷筒联轴器，经过多年不断的技术更新和工艺改进，现已拥有多项知识产权。企业早已通过ISO9001质量管理体系认证，而且产品广泛应用于各大重点工程项目，其优良品质获得了行业内专家和用户的一致好评。

根据市场需求和企业的发展，我公司以高起点开发鼓形齿联轴器系列，渐开线齿形经过全面优化设计，更加科学合理，齿形加工设备均选用高端全数控机床，为制作高品质产品提供了可靠的保证。另外可根据用户需求，为其设计合理的传动方案，制造更安全可靠、性价比更高的产品。

诚信务实，是我们生存的基石；
卓越的品质，是我们获得市场的基本保证；
开拓创新，是我们不断发展的动力。

"三丰传动"的成功得益于广大专家和用户的真诚支持，在此深表谢意。一段时间以来市场上出现了仿冒"三丰传动"的产品，在使用过程中已造成多起安全质量事故，给 用户带来了严重损失，同时也损害了三丰传动的声誉，敬请广大用户认真甄别。

虽然我们的产品不断被仿冒，但是从未被超越！

Yueqing Sanfeng Transmission company (Hereinafter Sanfeng Transmission), founded in the mid–eighties of the last century, is a professional of R & D and producing, drum coupling and cross–pin cardan shaft. It has a highly qualified engineering team and has implemented quality management program through design to production. The current output value per capitation and per mu of Sanfeng Transmission are in the forefront of the industry. After years of constant technological updating and process improving, Sanfeng Transmission has accessed to several intellectual properties of the SWF type cross pin–cardan shaft developed in 1992 and WZL type drum coupling developed in 1996. Sanfeng Transmission has already qualified by ISO9001 quality management system. Its products Are widely used in various key projects , and the products' quality has been approved by the experts and users.

According to market demand and the development of the company, Sanfeng Transmission has developed series of products of crown gear coupling with the high starting point, which are much more scientific and efficient after optimizing the design of the involute profile and all the profiles are processed by high–end CNC machines, which guarantee the high–quality of the products. Furthermore, Sanfeng Transmission can develop customized transmission solutions, as well as manufacture safer and more reliable, cost–effective products according to client requirements.

Good faith and practice are the foundation for us to survive;
First–rank quality is our essential guarantee to win the market ;
Exploitation and innovation are our continuous developing power.

Sanfeng Transmission's success depends on the sincere support of the experts and the client, to whom we are deeply grateful. For some time, there are some counterfeit " Sanfeng Transmission" products on the market which has caused many safety and quality accidents. It has not only caused serious losses to the users, but also undermined the reputation of Sanfeng Transmission. Please discriminate with care to avoid the counterfeit.

Although our products continue to be counterfeited , but never been exceeded !

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## ◎ 目录

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## ◎ 选型、订货说明

三豐傳動® ISO9001:2008 质量体系认证

鼓形齿式联轴器工作原理是：由相同齿数和模数的内齿和鼓形外齿所组成；能在额定的伸缩量和夹角内传递额定转矩。
The working principle of the gear coupling: It is composed by the inner gear and outer crown gear with same number teeth and module; It can transmit the nominal torque within the nominal range of stretch and angle.

### 选用说明 Selection description

通常情况下，鼓形齿式联轴器在选用时应进行以下三方面校核：
In the normal situation, the following 3 items need be checked when select a gear coupling.：

**1、强度校核：**

$Tc=\frac{K}{K_1}T\leqslant Tn$

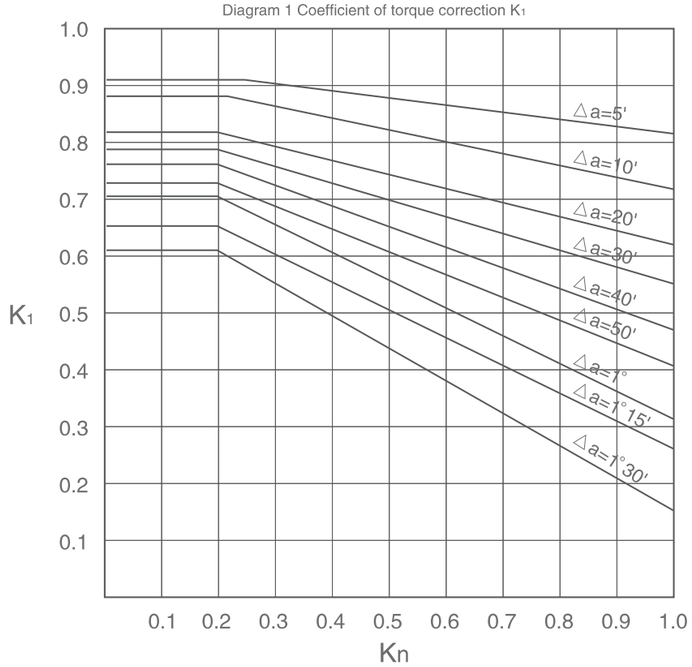
Tc--计算转矩（kN.m）
T---理论转矩，$T=9.55\frac{N}{n}$（kN.m）
N---驱动功率（kW）
n---联轴器转速（r/min）
Tn--公称转矩，见性能表
K---工作情况系数，见表1
$K_1$--转矩修正系数，见图1

**Strength Checking:**

$Tc=\frac{K}{K_1}T\leqslant Tn$

Tc--Computed torque（kN.m）
T---Rated torque，$T=9.55\frac{N}{n}$（kN.m）
N---Driven power（kW）
n---speed of coupling（r/min）
Tn--Nominal torque，refer to the Performance Table
K---Working Coefficient，refer to the Table 1
$K_1$---A torque correction coefficient，refer to the Diagram 1

（图1）转矩修正系数$K_1$
Diagram 1 Coefficient of torque correction $K_1$




图中$kn=\frac{n}{[n]}$，kn---转速系数，[n]---许用转速（查性能表），图中△α为工作中可能出现的最大轴线折角。
*注：选型时可先按$Tc=k\cdot T\leqslant Tn$初选联轴器规格后再按上述精确校核。

In Diagram1, $kn=\frac{n}{[n]}$，kn---Coefficient of rotate speed，[n]--- Allowable speed（refer to the Performance Table），△α is the maximum axle folding angle during the running.

*Note：At the preliminary selection, we can use $Tc=k\cdot T\leqslant Tn$ as the requirement to choose the coupling, then the above calculation should be carry out to check the coupling exactly.





◎ 选型、订货说明

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表（Table）1

| 工作机械 Application | K |
|---|---|
| 起重设备 CRANES AND HOISTS | |
| 行走机构 Travel | 1.75 |
| 提升机构 Lifter | 1.75 |
| 回转机构 Rotary | 1.75 |
| 卷扬机 Windlass | 2.0 |
| 轧制设备 METAL ROLLING MILLS | |
| 带材及线材卷取机 Coiler | 1.4 |
| 冷床 Cooling Bed | 1.4 |
| 输送导辊 Conveyor Roll | 1.4 |
| 辊道（轻载）Light Mill Table | 1.5 |
| 切边机 Edge Slitter | 1.5 |
| 活套升降机 Elevator | 1.5 |
| 轧辊调整装置 Roll Adjuster | 1.5 |
| 翻板机 Turn-over Rig | 1.6 |
| 除鳞机 Scalebreaker | 1.6 |
| 辊式矫直机 Straightening Roll | 2.0 |
| 坯料输送机 Ingot Car | 1.8 |
| 薄板轧机 Sheet Mill | 1.8 |
| 钢坯剪断机 Billet Slitter | 2.5 |
| 辊道（重载）Heavy Mill Table | 2.0 |
| 切头机 Cropper | 2.0 |
| 板材剪断机 Slitter | 2.0 |
| 板坯机 Slabbing Mill | 2.0 |
| 板坯堆料机 Slabbing Pusher | 2.0 |
| 中厚板轧机 Plate Mill | 2.5 |
| 冷轧机 Cold Mill | 2.0 |
| 炼钢设备 STEEL-MAKING EQUIPMENT | |
| 高炉鼓风机 Blast Fan for Furnace | 1.4 |
| 倾斜式高炉升降机 Elevator | 2.0 |
| 炉渣破碎机 Slag Crusher | 2.0 |
| 转炉 Rotary Furnace | 2.5 |
| 金属加工设备 METAL FORMING MACHING | |
| 剪切机 Guillotine Shear | 2.0 |
| 锻造机 Forge Press | 1.8 |
| 板材矫直机 Plate Flattening | 2.0 |
| 锻锤 Forging Hammer | 2.0 |
| 冲压机 Punch Press | 2.0 |
| 鼓风、通用设备 BLOWERS AND FANS | |
| 螺旋活塞式鼓风机 Screw Piston | 1.4 |
| 引风机 Suction Fan | 1.4 |
| 鼓风机 Fan | 1.5 |

| 工作机械 Application | K |
|---|---|
| 发电机及转换器 GENERATOR AND CHANGER | |
| 发电机 Generator | 2.0 |
| 变频器 Frequency Converter | 2.25 |
| 焊接发动机 Weld Generator | 2.25 |
| 压缩机 COMPRESSORS | |
| 涡轮式压缩机 Centrifugal | 1.6 |
| 往复式压缩机 Reciprocating | 2.0 |
| 挖掘设备 DREDGGES | |
| 回转齿轮机构 Reverse Gear Train | 1.4 |
| 轨道式移动链 Track Chai Conveyor | 1.6 |
| 空吸泵 Air Pump | 1.6 |
| 绞盘 Winch | 1.6 |
| 刀盘 Cutter Head | 2.0 |
| 斗轮式挖掘机 Grab Dredge | 2.0 |
| 采矿、碎石设备 MINING | |
| 振动器 Shaker | 1.6 |
| 回转窑 Rotary Kiln | 2.0 |
| 矿井通风机 Fan | 2.0 |
| 破碎机 Crusher | 2.75 |
| 输送设备 CONVEYOR | |
| 小型带式输送机 Portable Belt | 1.25 |
| 铲斗式升降机（粉状物）Bucker Elevator | 1.25 |
| 带式输送机（散装材料）Belt | 1.4 |
| 螺旋输送机 Screw | 1.4 |
| 斗链式输送机 Chain | 1.4 |
| 旋转输送机 Fan Conveyor | 1.4 |
| 升降机 Elevator | 1.4 |
| 钢带输送机 Steel Belt Conveyor | 1.4 |
| 平板输送机 Apron | 1.6 |
| 提升机 Hand Lifter | 1.8 |
| 输送机 Conveyor | 1.8 |
| 压力机械 PRESS | |
| 折叠压力机 Bending Press | 1.8 |
| 曲柄压力机 Crank Press | 2.0 |
| 锻造压力机 Forge Press | 2.25 |
| 泵类 PUMPS | |
| 离心泵 Centrifugal Pump | 1.4 |
| 泥浆泵 Dredge Pump | 1.4 |
| 真空泵 Vacuum Pump | 1.5 |
| 往复式活塞泵 Reciprocating Piston | 1.8 |
| 柱塞泵 Plunger | 2.0 |

## ◎ 选型、订货说明

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### 2、联轴器(带中间轴和中间套)的工作转速验算：
Checking the working speed of coupling(with intermediate shaft and intermediate tube):

联轴器的工作转速必须同时满足：
$n \leqslant [n]$
$n \leqslant 0.75n_k$
或$n \geqslant 1.35n_k$
$n_k$ ——联轴器1阶临界转速（r/min）

The working speed of coupling should meet the following requirements:
$n \leqslant [n]$
$n \leqslant 0.75n_k$
Or $n \geqslant 1.35n_k$
$n_k$——First order critical speed of coupling（r/min）

带中间轴的联轴器1阶临界转速：
$n_k = 1.2x10^8 \frac{D}{A^2}$（r/min）
D——中间轴直径（mm）
A——两端外齿轴套齿宽中点之间距离（mm）

First order critical speed of coupling with intermediate shaft:
$n_k = 1.2x10^8 \frac{D}{A^2}$(r/min)
D——Diameter of intermediate shaft（mm）
A——Distance between teeth width center of the both end outer gear（mm）

带中间套的联轴器1阶临界转速：
$n_k = 1.2X10^8 \frac{\sqrt{D^2+d^2}}{A^2}$（r/min）
D——中间套外径（mm）
d——中间套内径（mm）
A——两端外齿轴套齿宽中点之间距离（mm）

First order critical speed of coupling with intermediate tube:
$n_k = 1.2x10^8 \frac{\sqrt{D^2+d^2}}{A^2}$(r/min)
D——External diameter of the intermediate tube（mm）
d——Internal diameter of the intermediate tube（mm）
A——Distance between teeth width center of the both end outer gear（mm）

### 3、干涉的验算：

鼓形齿式联轴器的许用角向补偿量△α为1° 30'，如安装误差大，外齿轴套与内齿圈轴线交角α超过许用值，势必形成内、外齿干涉而造成损坏，α值建议不超过1/2△α。

角向位移补偿量△α与径向位移补偿量△y的关系可用下式计算：

△y=Atan△α(mm).

A——两端外齿轴套齿宽中点之间距离（mm）

Interference Checking:

The permissible angular displacement compensation of the Crown gear coupling △α is 1° 30'.
A big installation tolerance would result in the angle α between the out gear sleeve axis and the inner gear sleeve axis will be exceeds the permissible values, the inevitable damages would be caused by the interference of the inner and outer teeth. So the α should not exceeding 1/2△α。

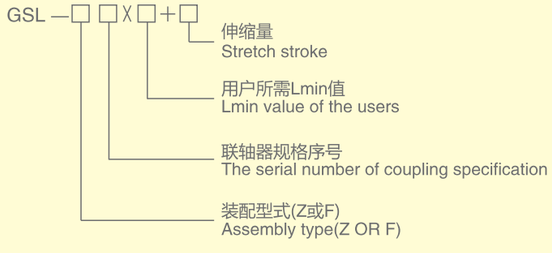
The relation between the angular displacement compensation △α and the radial displacement compensation of △y can be described as the following formula:

△y=Atan△α(mm).

A——Distance between teeth width center of the both end outer gear（mm）

## 订货说明 Ordering Instruction

### 1、GSL伸缩型鼓形齿式联轴器按以下型式标注：
The mark style for GSL extensible type crown gear coupling：








◎ 选型、订货说明

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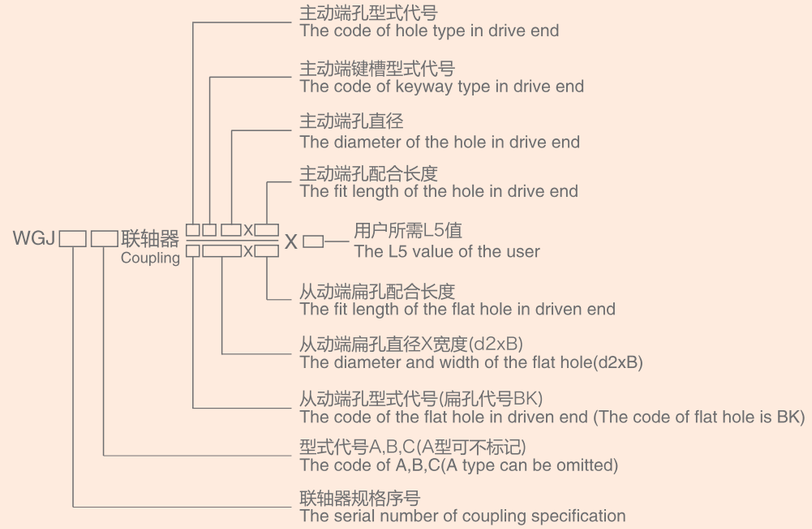
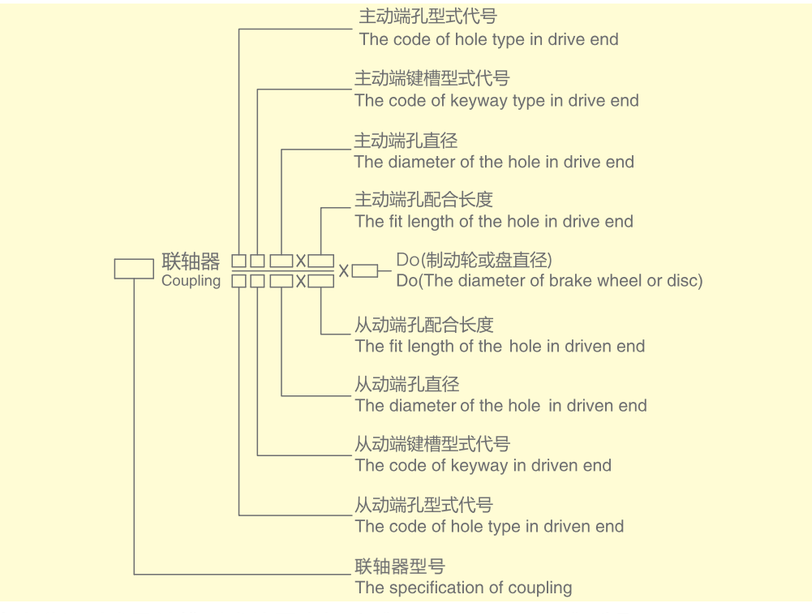
### 2、WGJ型接中间轴鼓形齿式联轴器按以下型式标注：
The mark style for WGJ extensible Crown gear coupling with intermediate shaft：




### 3、其它鼓形齿式联轴器按以下型式标注/ The mark style for other Crown gear coupling：




### 4、联轴器轴孔联结型式及键槽型式按国家标准《GB/T3852-2008》选取。
The connection type of the coupling shaft hole and keyways must selected according to national standard《GB/T3852-2008》.

### 5、半联轴器对接法兰除国标形式外，另有端面齿、牙嵌、端面键等连接形式。
The connection flange of half coupling can use the meshing clutch, jaw and straight end-face key beside the national standard.

## ◎ 结构形式与特点

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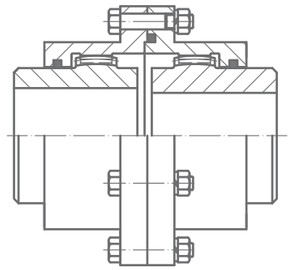
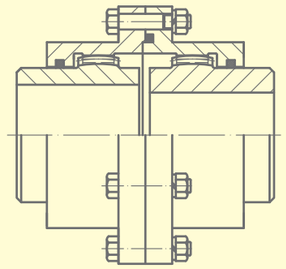
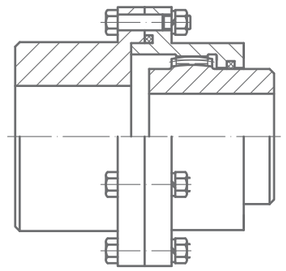
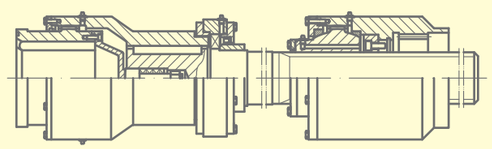
| 名称<br>Name | 结构图<br>The structure drawing | 结构特点及应用场合<br>The structure character and application |
|---|---|---|
| GCLD型<br>鼓形齿式联轴器<br>GCLD crown<br>gear coupling |  | 具有一定角向及相对径向位移补偿能力，适于联接电动机与机械两水平同轴线轴系传动。<br>公称转矩1.6–56 kN.m<br>This type can compensate the angular displacement and radial displacement in the limited range, used for connecting motor and mechanical different levels, different axis shaft transmission.<br>Nominal torque 1.6–56 kN.m |
| GIICL型<br>鼓形齿式联轴器<br>GIICL crown<br>gear coupling |  | 结构紧凑，转动惯量小，具有一定角向及相对径向位移补偿能力，联接水平两同轴线轴系传动。<br>公称转矩0.63–5600 kN.m<br>With compact structure, small moment of inertia, and can compensate the angular displacement and radial displacement in the limited range.It can be applied to the connection of two horizontal shafts.<br>Nominal torque 0.63–5600 kN.m |
| GIICLZ型<br>鼓形齿式联轴器<br>GIICLZ crown<br>gear coupling |  | 结构紧凑，转动惯量小，具有一定角向偏移补偿能力，联接水平两同轴线轴系传动。<br>公称转矩0.63–5600 kN.m<br>With compact structure, small moment of inertia, and can compensate the angular displacement in the limited range, It can be applied to the connection of two horizontal shafts .<br>Nominal torque 0.63–5600 kN.m |
| GSL伸缩型<br>鼓形齿式联轴器<br>GSL extensible<br>crown gear coupling |  | 具有较大的伸缩量，安装尺寸小，有正装和反装两种结构。适用于安装尺寸小，但伸缩量大等系统空间结构紧凑的场合。<br>公称转矩31.5–1600 kN.m<br>This type has large length compensation capacity. There are two designs:standard type and reversed type. Used for installation size is small, but big length compensation systems such as retractable compact space applications.<br>Nominal torque 31.5–1600 kN.m |





## ◎ 结构形式与特点

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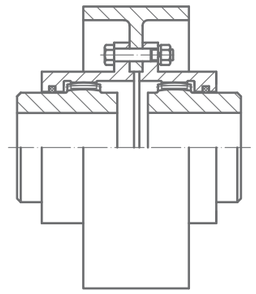
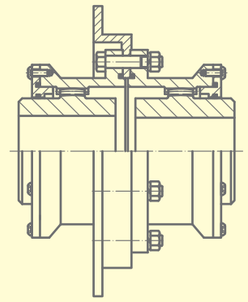
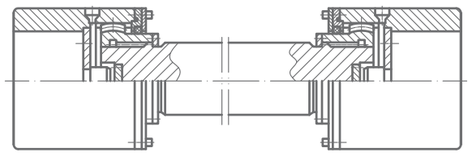
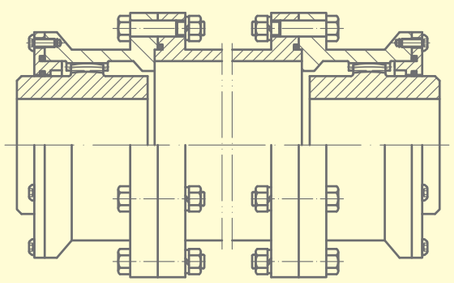
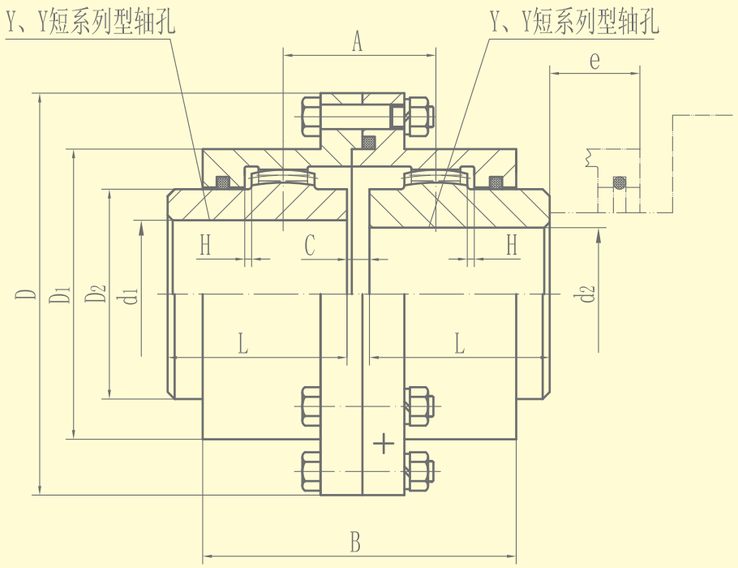
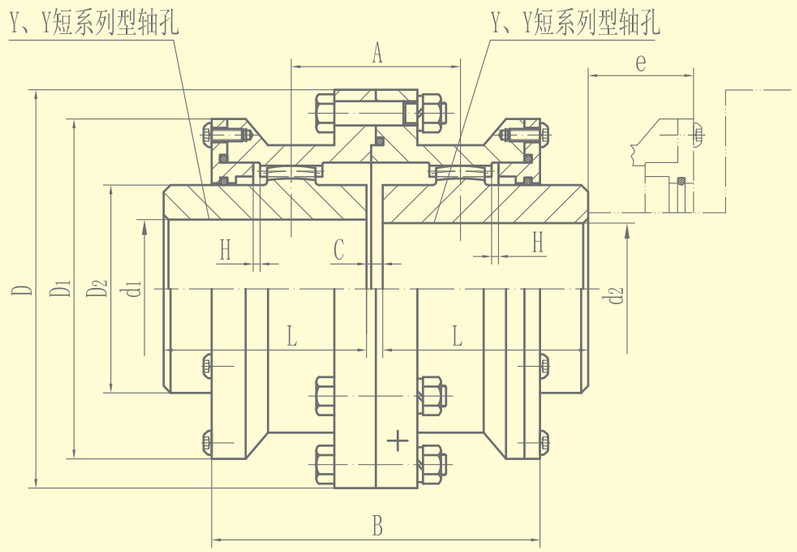
| 名称<br>Name | 结构图<br>The structure drawing | 结构特点及应用场合<br>The structure character and application |
|---|---|---|
| NGCL型带制动轮<br>鼓形齿式联轴器<br>NGCL crown gear<br>coupling with<br>brake drum |  | 结构紧凑，具有一定角向及相对径向位移补偿能力，联接水平两同轴线轴系传动。适用于与闸瓦式制动器配套场合。<br>公称转矩0.63–125 kN.m<br>With compact structure, this type can compensate the angular displacement and radial displacement in the limited range. It can be applied to the connection of two horizontal shafts with shoe brake.<br>Nominal torque 0.63–125 kN.m |
| WGP型带制动盘<br>鼓形齿式联轴器<br>WGP crown gear<br>coupling with<br>brake disc |  | 适用于联接两同轴线的传动轴系，且与盘式制动器配套场合，具有补偿两轴角向及相对径向位移能力。<br>公称转矩0.8–180 kN.m<br>This type can compensate the angular displacement and radial displacement in the limited range. It can be applied to the connection of two horizontal shafts with disc brake.<br>Nominal torque 0.8–180 kN.m |
| WGJ型接中间<br>轴鼓形齿式联轴器<br>WGJ crown gear<br>coupling with<br>Intermediate shaft |  | 具有一定角向及轴向位移补偿能力，结构紧凑，适于联接轴向尺寸较大时的水平两同轴线轴系传动。<br>公称转矩6.3-3150 kN.m<br>This type can compensate the angular displacement and axial displacement in the limited range,with compact structure, which would suit for the long concentric shaft connection in horizontal.<br>Nominal torque 6.3–3150 kN.m |
| WGT型接中间套<br>鼓形齿式联轴器<br>WGT crown gear<br>coupling with<br>intermediate tube |  | 能补偿较大的轴线偏移，适于联接轴向尺寸较大时的水平两同轴线轴系传动。<br>公称转矩0.8–1400 kN.m<br>This type can compensate a big displa–cement in the axle direction, which would suit for the long concentric shaft connection in horizontal.<br>Nominal torque 0.8–1400 kN.m |

# ◎ G Ⅱ CL型 鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证




适用于GIICL1–13 / suitable for GIICL1–13




适用于GIICL14–25 / suitable for GIICL14–25





◎ G Ⅱ CL型 鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension (GB/T26103.1–2010)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2 | 轴孔长度 Length of axis hole L | | D | D1 | D2 | C | H | A | B | e | 转动惯量 Moment of inertia kg.m² | 质量 Weight kg | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | Y (短系列) (Short series) | mm | | | | | | | | | | |
| G Ⅱ CL1 | 0.63 | 6500 | 16,18,19 | 42 | | 103 | 71 | 50 | 8 | 2 | 36 | 76 | 38 | 0.0016 | 3.4 | 51 |
| | | | 20,22,24 | 52 | 38 | | | | | | | | | 0.003 | 3.2 | |
| | | | 25,28 | 62 | 44 | | | | | | | | | 0.0031 | 3.3 | |
| | | | 30,32,35 | 82 | 60 | | | | | | | | | 0.0032 | 3.5 | |
| G Ⅱ CL2 | 1 | 6000 | 20,22,24 | 52 | | 115 | 83 | 60 | 8 | 2 | 42 | 88 | 42 | 0.0024 | 4.6 | 70 |
| | | | 25,28 | 62 | 44 | | | | | | | | | 0.0023 | 4.1 | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | | 0.0024 | 4.5 | |
| | | | 40,42,45 | 112 | 84 | | | | | | | | | 0.0025 | 4.6 | |
| G Ⅱ CL3 | 1.6 | 5600 | 22,24 | 52 | | 127 | 95 | 75 | 8 | 2 | 44 | 90 | 42 | 0.0044 | 6.1 | 78 |
| | | | 25,28 | 62 | 44 | | | | | | | | | 0.0042 | 5.5 | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | | 0.0045 | 6.3 | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | 0.0101 | 6.9 | |
| G Ⅱ CL4 | 2.8 | 5100 | 38 | 82 | 60 | 149 | 116 | 90 | 8 | 2 | 49 | 98 | 42 | 0.0205 | 9.5 | 87 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | 0.0228 | 11.3 | |
| | | | 60,63,65 | 142 | 107 | | | | | | | | | 0.0234 | 10.5 | |
| G Ⅱ CL5 | 4.5 | 4600 | 40,42,45,48,50,55,56 | 112 | 84 | 167 | 134 | 105 | 10 | 2.5 | 55 | 108 | 42 | 0.0418 | 15.9 | 125 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | 0.0444 | 16 | |
| G Ⅱ CL6 | 6.3 | 4300 | 45,48,50,55,56 | 112 | 84 | 187 | 153 | 125 | 10 | 2.5 | 56 | 110 | 42 | 0.0706 | 21.2 | 148 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | 0.0777 | 23 | |
| | | | 80,85,90 | 172 | 132 | | | | | | | | | 0.0809 | 22.1 | |
| G Ⅱ CL7 | 8 | 4000 | 50,55,56 | 112 | 84 | 204 | 170 | 140 | 10 | 2.5 | 60 | 118 | 42 | 0.103 | 27.6 | 175 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | 0.115 | 33.1 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 0.1298 | 39.2 | |
| | | | 100,105 | 212 | 167 | | | | | | | | | 0.151 | 47.5 | |
| G Ⅱ CL8 | 11.2 | 3700 | 55,56 | 112 | 84 | 230 | 186 | 155 | 12 | 3 | 67 | 142 | 47 | 0.167 | 35.5 | 268 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | 0.188 | 42.3 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 0.21 | 49.7 | |
| | | | 100,110,115 | 212 | 167 | | | | | | | | | 0.241 | 60.2 | |
| G Ⅱ CL9 | 18 | 3350 | 60,63,65,70,71,75 | 142 | 107 | 256 | 212 | 180 | 12 | 3 | 69 | 146 | 47 | 0.316 | 55.6 | 310 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 0.356 | 65.6 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | 0.413 | 79.6 | |
| | | | 130,135 | 252 | 202 | | | | | | | | | 0.47 | 95.8 | |
| G Ⅱ CL10 | 25 | 3000 | 65,70,71,75 | 142 | 107 | 287 | 239 | 200 | 14 | 3.5 | 78 | 164 | 47 | 0.511 | 72 | 472 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 0.573 | 84.4 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | 0.659 | 101 | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | 0.745 | 119 | |
| G Ⅱ CL11 | 35.5 | 2700 | 70,71,75 | 142 | 107 | 325 | 276 | 235 | 14 | 3.5 | 81 | 170 | 47 | 1.454 | 97 | 550 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 1.096 | 114 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | 1.235 | 138 | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | 1.34 | 161 | |
| | | | 160,170,175 | 302 | 242 | | | | | | | | | 1.588 | 189 | |
| G Ⅱ CL12 | 56 | 2450 | 75 | 142 | 107 | 362 | 313 | 270 | 16 | 4 | 89 | 190 | 49 | 1.623 | 128 | 695 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 1.828 | 150 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | 2.113 | 205 | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | 2.4 | 213 | |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | 2.728 | 248 | |
| | | | 190,200 | 352 | 282 | | | | | | | | | 3.055 | 285 | |
| G Ⅱ CL13 | 80 | 2200 | 150 | 252 | 202 | 412 | 350 | 300 | 18 | 4.5 | 98 | 208 | 49 | 3.951 | 222 | 1019 |
| | | | 160,170,180,185 | 302 | 242 | | | | | | | | | 4.363 | 246 | |
| | | | 190,200,220,225 | 352 | 282 | | | | | | | | | 4.541 | 242 | |
| G Ⅱ CL14 | 125 | 2000 | 170,180,185 | 302 | 242 | 462 | 420 | 335 | 22 | 5.5 | 172 | 296 | 63 | 8.025 | 421 | 2900 |
| | | | 190,200,220 | 352 | 282 | | | | | | | | | 8.8 | 476 | |
| | | | 240,250 | 410 | 330 | | | | | | | | | 9.275 | 544 | |
| G Ⅱ CL15 | 180 | 1800 | 190,200,220 | 352 | 282 | 512 | 470 | 380 | 22 | 5.5 | 182 | 316 | 63 | 14.3 | 608 | 3700 |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | 15.85 | 696 | |
| | | | 280,285 | 470 | 380 | | | | | | | | | 17.45 | 786 | |

# ◎ G Ⅱ CL型 鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension (GB/T26103.1–2010)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2 | 轴孔长度 Length of axis hole L | | D | D1 | D2 | C | H | A | B | e | 转动惯量 Moment of inertia kg.m² | 质量 Weight kg | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | Y (短系列) (Short series) | | | | | | | | | | | |
| | | | mm | | | | | | | | | | | | | |
| G Ⅱ CL16 | 250 | 1600 | 220 | 352 | 282 | 580 | 522 | 430 | 28 | 7 | 209 | 354 | 67 | 23.925 | 799 | 4500 |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | 26.45 | 913 | |
| | | | 280,300,320 | 470 | 380 | | | | | | | | | 29.1 | 1027 | |
| G Ⅱ CL17 | 355 | 1400 | 250,260 | 410 | 330 | 644 | 582 | 490 | 28 | 7 | 198 | 364 | 67 | 43.095 | 1176 | 4900 |
| | | | 280,295,300,320 | 470 | 380 | | | | | | | | | 47.525 | 1322 | |
| | | | 340,360,365 | 550 | 450 | | | | | | | | | 53.725 | 1352 | |
| G Ⅱ CL18 | 500 | 1210 | 280,295,300,320 | 470 | 380 | 726 | 658 | 540 | 28 | 8 | 222 | 430 | 75 | 78.525 | 1698 | 7000 |
| | | | 340,360,380 | 550 | 450 | | | | | | | | | 87.75 | 1948 | |
| | | | 400 | 650 | 540 | | | | | | | | | 99.5 | 2278 | |
| G Ⅱ CL19 | 710 | 1050 | 300,320 | 470 | 380 | 818 | 748 | 630 | 32 | 8 | 232 | 440 | 75 | 136.75 | 2249 | 8900 |
| | | | 340,350,360,380,390 | 550 | 450 | | | | | | | | | 153.75 | 2591 | |
| | | | 400,420,440,450,460,470 | 650 | 540 | | | | | | | | | 175.5 | 3026 | |
| G Ⅱ CL20 | 1000 | 910 | 360,380,390 | 550 | 450 | 928 | 838 | 720 | 32 | 10.5 | 247 | 470 | 75 | 261.75 | 3384 | 11000 |
| | | | 400,420,440,450,460,480,500 | 650 | 540 | | | | | | | | | 299 | 3984 | |
| | | | 530,540 | 800 | 680 | | | | | | | | | 360.75 | 4430 | |
| G Ⅱ CL21 | 1400 | 800 | 400,420,440,450,460,480,500 | 650 | 540 | 1022 | 928 | 810 | 40 | 11.5 | 255 | 490 | 75 | 461.6 | 3912 | 13000 |
| | | | 530,560,600 | 800 | 680 | | | | | | | | | 449.4 | 3754 | |
| G Ⅱ CL22 | 1800 | 700 | 450,460,480,500 | 650 | 540 | 1134 | 1036 | 915 | 40 | 13 | 265 | 510 | 75 | 734.3 | 4970 | 16000 |
| | | | 530,560,600,630 | 800 | 680 | | | | | | | | | 837 | 5408 | |
| | | | 670,680 | | 780 | | | | | | | | | 785.4 | 4478 | |
| G Ⅱ CL23 | 2500 | 610 | 530,560,600,630 | 800 | 680 | 1282 | 1178 | 1030 | 50 | 14.5 | 299 | 580 | 80 | 1517 | 10013 | 28000 |
| | | | 670, 700,710,750,770 | | 780 | | | | | | | | | 1725 | 11553 | |
| G Ⅱ CL24 | 3550 | 500 | 560,600,630 | 800 | 680 | 1428 | 1322 | 1175 | 50 | 16.5 | 317 | 610 | 80 | 2486 | 12915 | 33000 |
| | | | 670,700,710,750 | | 780 | | | | | | | | | 2838.5 | 15015 | |
| | | | 800,850 | | 880 | | | | | | | | | 3131.75 | 16615 | |
| G Ⅱ CL25 | 5600 | 420 | 670,700,710,750 | | 780 | 1644 | 1538 | 1390 | 50 | 19 | 325 | 620 | 80 | 5082 | 15760 | 43000 |
| | | | 800,850 | | 880 | | | | | | | | | 5344.1 | 15515 | |
| | | | 900,950 | | 980 | | | | | | | | | 5484 | 15054 | |
| | | | 1000,1040 | | 1100 | | | | | | | | | 5615.2 | 14513 | |

**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.

2.质量及转动惯量是按Y(短系列)型轴孔的最小直径计算的近似值。
Weight and rotary inertia are approximate calculation value based on the minimum diameter of Y– axis hole( short series).

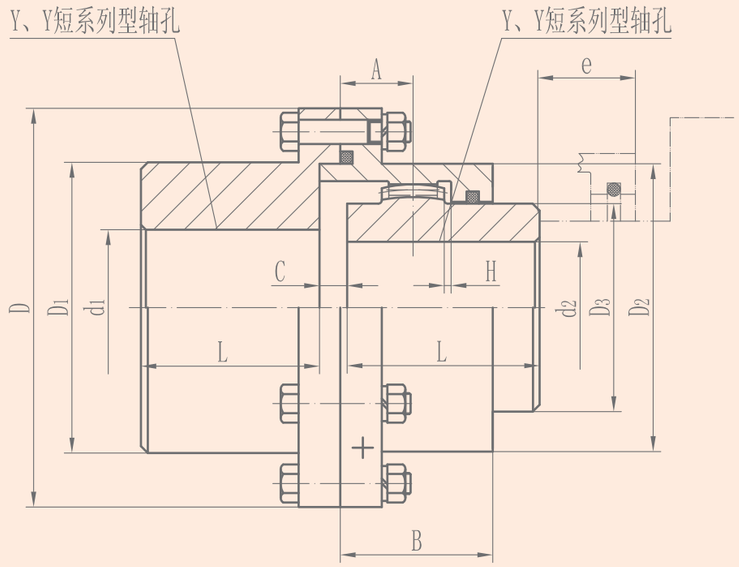
3.e为更换密封所需要的尺寸。
'e' is the required dimension when the sealing is exchanged.



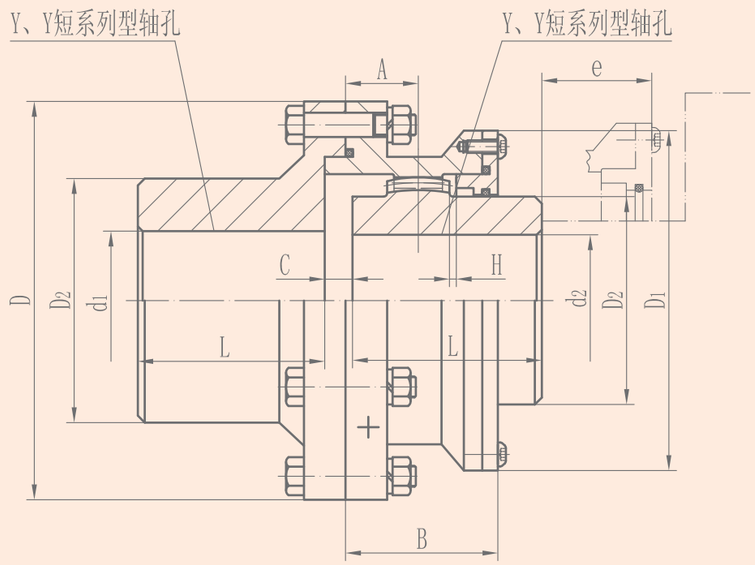


# ◎ G Ⅱ CLZ型 鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证




适用于GIICLZ1–13 / suitable for GIICLZ1–13




适用于GIICLZ14–25 / suitable for GIICLZ14–25

# ◎ G Ⅱ CLZ型 鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension(GB/T26103.2–2010)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2 | 轴孔长度 Length of axis hole L | | D | D1 | D2 | D3 | C | H | A | B | e | 转动惯量 Moment of inertia kg.m² | 质量 Weight kg | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | Y (短系列) (Short series) | mm | | | | | | | | | | | |
| G Ⅱ CLZ1 | 0.63 | 4000 | 16,18,19 | 42 | | 103 | 71 | 71 | 50 | 8 | 2 | 18 | 38 | 38 | 0.004 | 3.5 | 31 |
| | | | 20,22,24 | 52 | 38 | | | | | | | | | | 0.0038 | 3.3 | |
| | | | 25,28 | 62 | 44 | | | | | | | | | | 0.004 | 3.5 | |
| | | | 30,32,35,(38) | 82 | 60 | | | | | | | | | | 0.005 | 4.1 | |
| | | | (40),(42),(45),(48),(50) | 112 | 84 | | | | | | | | | | 0.007 | 5.7 | |
| G Ⅱ CLZ2 | 1 | 4000 | 20,22,24 | 52 | | 115 | 83 | 83 | 60 | 8 | 2 | 21 | 44 | 42 | 0.0068 | 5.3 | 42 |
| | | | 25,28 | 62 | 44 | | | | | | | | | | 0.0063 | 4.8 | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | | | 0.007 | 5.7 | |
| | | | 40,42,45,(48),(50),(55),(56) | 112 | 84 | | | | | | | | | | 0.008 | 7.2 | |
| | | | (60) | 142 | 107 | | | | | | | | | | 0.01 | 9.2 | |
| G Ⅱ CLZ3 | 1.6 | 4000 | 22,24 | 52 | | 127 | 95 | 95 | 75 | 8 | 2 | 22 | 45 | 42 | 0.009 | 6.8 | 42 |
| | | | 25,28 | 62 | 44 | | | | | | | | | | 0.011 | 7.8 | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | | | 0.011 | 7.6 | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | | 0.0133 | 9.8 | |
| | | | (60),(63),(65),(70) | 142 | 107 | | | | | | | | | | 0.0168 | 12.5 | |
| G Ⅱ CLZ4 | 2.8 | 4000 | 38 | 82 | 60 | 149 | 116 | 116 | 90 | 8 | 2 | 24.5 | 49 | 42 | 0.0213 | 10.5 | 53 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | | 0.0255 | 13.5 | |
| | | | 60,63,65,(70),(71),(75) | 142 | 107 | | | | | | | | | | 0.039 | 16.5 | |
| | | | (80) | 172 | 132 | | | | | | | | | | 0.0488 | 19.4 | |
| G Ⅱ CLZ5 | 4.5 | 4000 | 40,42,45,48,50,55,56 | 112 | 84 | 167 | 134 | 134 | 105 | 10 | 2.5 | 27.5 | 54 | 42 | 0.044 | 18.1 | 77 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | | 0.0518 | 23.1 | |
| | | | (80),(85),(90) | 172 | 132 | | | | | | | | | | 0.0625 | 28.5 | |
| G Ⅱ CLZ6 | 6.3 | 4000 | 45,48,50,55,56 | 112 | 84 | 187 | 153 | 153 | 125 | 10 | 2.5 | 28 | 55 | 42 | 0.075 | 23.9 | 91 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | | 0.089 | 29.3 | |
| | | | 80,85,90,(95) | 172 | 132 | | | | | | | | | | 0.1043 | 35.4 | |
| | | | (100)，(105) | 212 | 167 | | | | | | | | | | 0.1065 | 36.2 | |
| G Ⅱ CLZ7 | 8 | 3750 | 50,55,56 | 112 | 84 | 204 | 170 | 170 | 140 | 10 | 2.5 | 30 | 59 | 42 | 0.1145 | 29.6 | 108 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | | 0.1335 | 36.3 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | 0.157 | 43.8 | |
| | | | 100,(105),(110) | 212 | 167 | | | | | | | | | | 0.1898 | 54.3 | |
| G Ⅱ CLZ8 | 11.2 | 3300 | 55,56 | 112 | 84 | 230 | 186 | 186 | 155 | 12 | 3 | 33.5 | 71 | 47 | 0.184 | 37.8 | 161 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | | 0.215 | 46.1 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | 0.249 | 54.9 | |
| | | | 100,110,115,(120),(125) | 212 | 167 | | | | | | | | | | 0.297 | 67.4 | |
| G Ⅱ CLZ9 | 18 | 3000 | 60,63,65,70,71,75 | 142 | 107 | 256 | 212 | 212 | 180 | 12 | 3 | 34.5 | 73 | 47 | 0.358 | 60 | 184 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | 0.415 | 71.8 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | | 0.499 | 88 | |
| | | | 130,135,(140),(150) | 252 | 202 | | | | | | | | | | 0.575 | 104.4 | |
| G Ⅱ CLZ10 | 25 | 2650 | 65,70,71,75 | 142 | 107 | 287 | 239 | 239 | 200 | 14 | 3.5 | 39 | 82 | 47 | 0.58 | 76.1 | 276 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | 0.6725 | 91.1 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | | 0.8025 | 111.5 | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | | 0.935 | 133.5 | |
| G Ⅱ CLZ11 | 35.5 | 2350 | 110,120,125 | 212 | 167 | 325 | 250 | 276 | 235 | 14 | 3.5 | 40.5 | 85 | 47 | 1.223 | 137 | 322 |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | | 1.41 | 162.4 | |
| | | | 160,170,175 | 302 | 242 | | | | | | | | | | 1.625 | 193 | |
| G Ⅱ CLZ12 | 56 | 2100 | 130,140,150 | 252 | 202 | 362 | 286 | 313 | 270 | 16 | 4 | 44.5 | 95 | 49 | 2.39 | 212.8 | 404 |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | | 2.763 | 268 | |
| | | | 190,200 | 352 | 282 | | | | | | | | | | 3.093 | 290 | |
| G Ⅱ CLZ13 | 80 | 1850 | 150 | 252 | 202 | 412 | 322 | 350 | 300 | 18 | 4.5 | 49 | 104 | 49 | 3.93 | 272.3 | 585 |
| | | | 160,170,180,185 | 302 | 242 | | | | | | | | | | 4.535 | 320 | |
| | | | 190,200,220,225 | 352 | 282 | | | | | | | | | | 6.34 | 370 | |
| G Ⅱ CLZ14 | 125 | 1650 | 170,180,185 | 302 | 242 | 462 | 420 | 335 | | 22 | 5.5 | 86 | 148 | 63 | 6.9 | 389 | 1600 |
| | | | 190,200,220 | 352 | 282 | | | | | | | | | | 7.675 | 438 | |
| | | | 240,250 | 410 | 330 | | | | | | | | | | 8.6 | 509 | |



G Ⅱ CLZ crown gear coupling

# ◎ G Ⅱ CLZ型 鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension(GB/T26103.2–2010)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2 | 轴孔长度 Length of axis hole L | | D | D1 | D2 | D3 | C | H | A | B | e | 转动惯量 Moment of inertia kg.m² | 质量 Weight kg | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | Y (短系列) (Short series) | mm | | | | | | | | | | | |
| G Ⅱ CLZ15 | 180 | 1500 | 190,200,220 | 352 | 282 | 512 | 470 | 380 | | 22 | 5.5 | 91 | 158 | 63 | 12.425 | 566 | 2100 |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | | 13.975 | 650 | |
| | | | 280,285 | 470 | 380 | | | | | | | | | | 15.575 | 740 | |
| G Ⅱ CLZ16 | 250 | 1300 | 220 | 352 | 282 | 580 | 522 | 430 | | 28 | 7 | 104.5 | 177 | 67 | 21.2 | 751 | 2500 |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | | 23.125 | 857 | |
| | | | 280,300,320 | 470 | 380 | | | | | | | | | | 26.35 | 974 | |
| G Ⅱ CLZ17 | 355 | 1200 | 250,260 | 410 | 330 | 644 | 582 | 490 | | 28 | 7 | 99 | 182 | 67 | 38.825 | 1110 | 2700 |
| | | | 280,290,300,320 | 470 | 380 | | | | | | | | | | 43.25 | 1255 | |
| | | | 340,360,365 | 550 | 450 | | | | | | | | | | 49.5 | 1465 | |
| G Ⅱ CLZ18 | 500 | 1050 | 280,295,300,320 | 470 | 380 | 726 | 658 | 540 | | 28 | 8 | 111 | 215 | 75 | 69.5 | 1580 | 3900 |
| | | | 340,360,380 | 550 | 450 | | | | | | | | | | 78.75 | 1830 | |
| | | | 400 | 650 | 540 | | | | | | | | | | 90.5 | 2160 | |
| G Ⅱ CLZ19 | 710 | 950 | 300,320 | 470 | 380 | 818 | 748 | 630 | | 32 | 9 | 116 | 220 | 75 | 122.5 | 2115 | 5000 |
| | | | 340,350,360,380,390 | 550 | 450 | | | | | | | | | | 139.5 | 2457 | |
| | | | 400,420,440,450,460,470 | 650 | 540 | | | | | | | | | | 161.25 | 2892 | |
| G Ⅱ CLZ20 | 1000 | 800 | 360,380,390 | 550 | 450 | 928 | 838 | 720 | | 32 | 10.5 | 123.5 | 235 | 75 | 240 | 3223 | 6200 |
| | | | 400,420,440,450,460,480,500 | 650 | 540 | | | | | | | | | | 277.25 | 3793 | |
| | | | 530,540 | 800 | 680 | | | | | | | | | | 335 | 4680 | |
| G Ⅱ CLZ21 | 1400 | 750 | 400,420,440,450,460,480,500 | 650 | 540 | 1022 | 928 | 810 | | 40 | 11.5 | 127.5 | 245 | 75 | 435 | 4780 | 7000 |
| | | | 530,560,600 | 800 | 680 | | | | | | | | | | 527.75 | 5905 | |
| G Ⅱ CLZ22 | 1800 | 650 | 450,460,480,500 | 650 | 540 | 1134 | 1036 | 915 | | 40 | 13 | 131 | 255 | 75 | 701.25 | 6069 | 8700 |
| | | | 530,560,600,630 | 800 | 680 | | | | | | | | | | 852.25 | 7504 | |
| | | | 670,680 | 900 | 780 | | | | | | | | | | 1068.25 | 8535 | |
| G Ⅱ CLZ23 | 2500 | 600 | 530,560,600,630 | 800 | 680 | 1282 | 1178 | 1030 | | 50 | 14.5 | 149.5 | 290 | 80 | 1415.75 | 9633 | 15000 |
| | | | 670,700,710,750,770 | 900 | 780 | | | | | | | | | | 1638.75 | 11133 | |
| G Ⅱ CLZ24 | 3550 | 550 | 560,600,630 | 800 | 680 | 1428 | 1322 | 1175 | | 50 | 16.5 | 158.5 | 305 | 80 | 2330.5 | 12460 | 18000 |
| | | | 670,710,750 | 900 | 780 | | | | | | | | | | 2682.75 | 14465 | |
| | | | 800,850 | 1000 | 880 | | | | | | | | | | 2976.25 | 16110 | |
| G Ⅱ CLZ25 | 5600 | 460 | 670,700,710,750 | 900 | 780 | 1644 | 1538 | 1390 | | 50 | 19 | 162.5 | 310 | 80 | 5174.25 | 19837 | 23000 |
| | | | 800,850 | 1000 | 880 | | | | | | | | | | 5836.5 | 22381 | |
| | | | 900,950 | | 980 | | | | | | | | | | 6413 | 24765 | |
| | | | 1000,1040 | | 1100 | | | | | | | | | | 7198.25 | 27797 | |

**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.

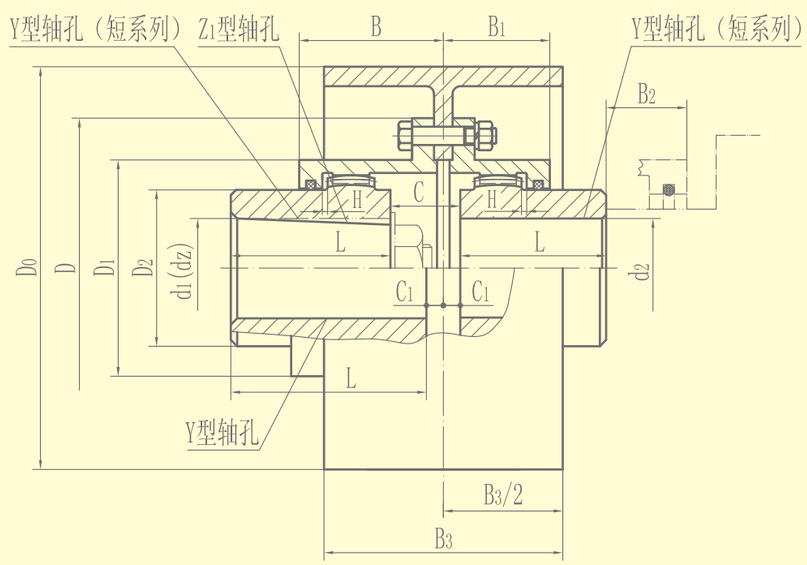
2.轴孔直径栏中带括号尺寸只适用d1选用。
The diameter with bracket is just selected for d1 in 'Diameter of the Axis Hole' column.

3.质量及转动惯量是按Y(短系列)型轴伸计算的近似值。
Weight and rotary inertia are approximate calculation value based on Y– axis hole( short series) without axis hole.

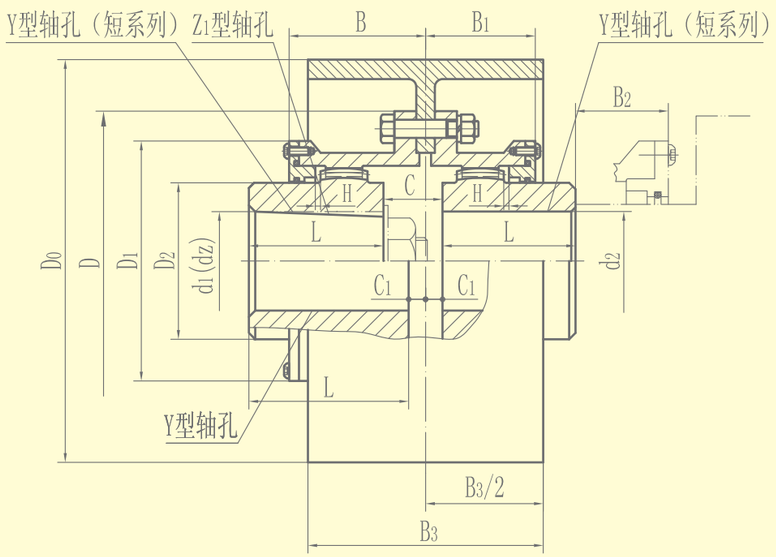
4.e为更换密封所需要的尺寸。
'e' is the required dimension when the sealing is exchanged.

## ◎ NGCL型 带制动轮鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证




适用于NGCL1–13 / suitable for NGCL1–13




适用于NGCL14 / suitable for NGCL14





◎ NGCL型 带制动轮鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension (GB/T26103.4–2010)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2、dz | 轴孔长度 Length of axis hole L | | D0 | D | D1 | D2 | C | C1 | H | B | B1 | B2 | B3 | 转动惯量 Moment of inertia kg.m² | 质量 Weight kg | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | Z1、Y (短系列) (Short series) | | | | | | | | | | | | | | |
| | | | mm | | | | | | | | | | | | | | | | |
| NGCL1 | 0.63 | 4000 | 20,22,24 | 52 | 38 | 160 | 103 | 71 | 50 | 22 | 8 | 2 | 56 | 42 | 38 | 68 | 0.07 | 7 | 51 |
| | | | 25,28 | 62 | 44 | | | | | 26 | | | | | | | 0.07 | 7.3 | |
| | | | 30,32,35 | 82 | 60 | | | | | 30 | | | | | | | 0.071 | 8 | |
| NGCL2 | 1 | 4000 | 25,28 | 62 | 44 | 160 | 115 | 83 | 60 | 26 | 8 | 2 | 68 | 48 | 42 | 68 | 0.079 | 9 | 70 |
| | | | 30,32,35,38 | 82 | 60 | | | | | 30 | | | | | | | 0.08 | 9.7 | |
| | | | 40,42,45 | 112 | 84 | | | | | 36 | | | | | | | 0.083 | 11 | |
| NGCL3 | 1.6 | 3800 | 28 | 62 | 44 | 200 | 127 | 95 | 75 | 26 | 8 | 2 | 70 | 49 | 42 | 85 | 0.181 | 14.6 | 107 |
| | | | 30,32,35,38 | 82 | 60 | | | | | 30 | | | | | | | 0.184 | 15.2 | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | 36 | | | | | | | 0.187 | 17 | |
| NGCL4 | 2.8 | 3800 | 38 | 82 | 60 | 200 | 149 | 116 | 90 | 30 | 8 | 2 | 74 | 53 | 42 | 85 | 0.225 | 18.6 | 137 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | 36 | | | | | | | 0.237 | 21.4 | |
| | | | 60,63,65 | 142 | 107 | | | | | 43 | | | | | | | 0.246 | 23.8 | |
| NGCL5 | 4.5 | 3000 | 40,42,45,48,50,55,56 | 112 | 84 | 250 | 167 | 134 | 105 | 38 | 10 | 2.5 | 84 | 59 | 42 | 105 | 0.58 | 31.8 | 201 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | 45 | | | | | | | 0.609 | 34.4 | |
| NGCL6 | 6.3 | 3000 | 45,48,50,55,56 | 112 | 84 | 250 | 187 | 153 | 125 | 38 | 10 | 2.5 | 85 | 60 | 42 | 105 | 0.714 | 37.2 | 238 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | 45 | | | | | | | 0.754 | 38.5 | |
| | | | 80,85,90 | 172 | 132 | | | | | 50 | | | | | | | 0.795 | 47.6 | |
| NGCL7 | 8 | 2400 | 50,55,56 | 112 | 84 | 315 (300) | 204 | 170 | 140 | 38 | 10 | 2.5 | 93 | 64 | 42 | 132 | 1.17 | 48.8 | 298 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | 45 | | | | | | | 1.234 | 55.2 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | 50 | | | | | | | 1.299 | 61.8 | |
| | | | 100 | 212 | 167 | | | | | 55 | | | | | | | 1.388 | 71.1 | |
| NGCL8 | 11.2 | 1900 | 55,56 | 112 | 84 | 400 | 230 | 186 | 155 | 40 | 12 | 3 | 112 | 77 | 47 | 168 | 3.747 | 80.7 | 465 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | 47 | | | | | | | 3.841 | 90 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | 52 | | | | | | | 3.939 | 96.5 | |
| | | | 100,110 | 212 | 167 | | | | | 57 | | | | | | | 4.072 | 108 | |
| NGCL9 | 18 | 1500 | 60,63,65,70,71,75 | 142 | 107 | 500 | 256 | 212 | 180 | 48 | 13 | 3 | 119 | 80 | 47 | 210 | 9.427 | 128 | 561 |
| | | | 80,85,90,95 | 172 | 132 | | | | | 53 | | | | | | | 9.605 | 138 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | 58 | | | | | | | 9.847 | 151 | |
| | | | 130 | 252 | 202 | | | | | 63 | | | | | | | 10.109 | 167 | |
| NGCL10 | 25 | 1200 | 65,70,71,75 | 142 | 107 | 630 (600) | 287 | 239 | 200 | 50 | 15 | 3.5 | 120 | 90 | 47 | 265 | 28.238 | 176 | 734 |
| | | | 80,85,90,95 | 172 | 132 | | | | | 55 | | | | | | | 28.509 | 190 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | 60 | | | | | | | 28.879 | 209 | |
| | | | 130,140,150 | 252 | 202 | | | | | 65 | | | | | | | 29.248 | 237 | |
| NGCL11 | 35.5 | 1050 | 70,71,75 | 142 | 107 | 710 (700) | 325 | 276 | 235 | 51 | 16 | 3.5 | 134 | 94 | 47 | 298 | 44.309 | 257 | 956 |
| | | | 80,85,90,95 | 172 | 132 | | | | | 56 | | | | | | | 44.825 | 275 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | 61 | | | | | | | 45.53 | 300 | |
| | | | 130,140,150 | 252 | 202 | | | | | 66 | | | | | | | 46.235 | 326 | |
| | | | 160,170 | 302 | 242 | | | | | 76 | | | | | | | 47.08 | 357 | |
| NGCL12 | 56 | 1050 | 75 | 142 | 107 | 710 (700) | 362 | 313 | 270 | 52 | 17 | 4 | 164 | 104 | 49 | 298 | 47.88 | 306 | 1320 |
| | | | 80,85,90,95 | 172 | 132 | | | | | 57 | | | | | | | 48.29 | 317 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | 62 | | | | | | | 49.52 | 351 | |
| | | | 130,140,150 | 252 | 202 | | | | | 67 | | | | | | | 50.25 | 384 | |
| | | | 160,170,180 | 302 | 242 | | | | | 77 | | | | | | | 52.22 | 425 | |
| | | | 190,200 | 352 | 282 | | | | | 87 | | | | | | | 53.69 | 464 | |
| NGCL13 | 80 | 950 | 150 | 252 | 202 | 800 | 412 | 350 | 300 | 68 | 18 | 4.5 | 165 | 113 | 49 | 335 | 82.7 | 490 | 1600 |
| | | | 160,170,180 | 302 | 242 | | | | | 78 | | | | | | | 84.7 | 544 | |
| | | | 190,200,220 | 352 | 282 | | | | | 88 | | | | | | | 86.67 | 596 | |
| NGCL14 | 125 | 950 | 170,180 | 302 | 242 | 800 | 462 | 420 | 335 | 80 | 20 | 5.5 | 209 | 157 | 63 | 335 | 99.1 | 670 | 3500 |
| | | | 190,200,220 | 352 | 282 | | | | | 90 | | | | | | | 102.2 | 736 | |
| | | | 240,250 | 410 | 330 | | | | | 100 | | | | | | | 105.9 | 850 | |

**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.

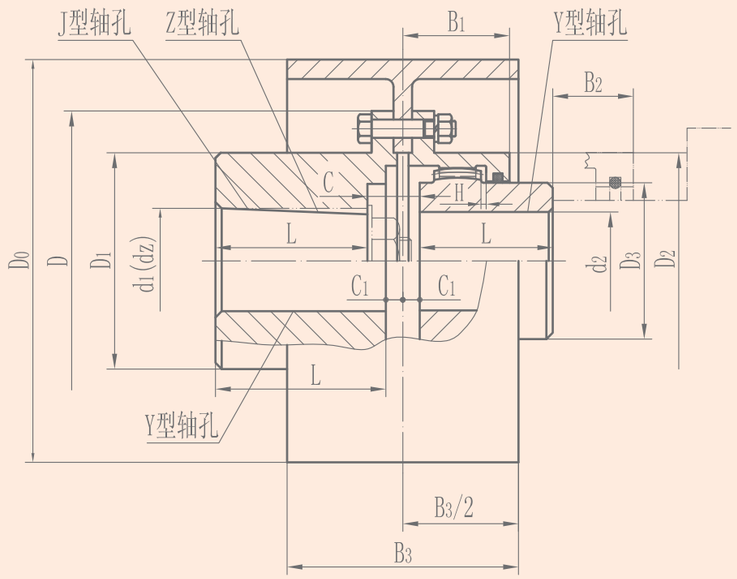
2.质量及转动惯量是按Y(短系列)型轴孔的最小直径计算的近似值。
Weight and moment of inertia are approximate calculation value based on the minimum diameter of Y– axis hole( short series).

3.B2为更换密封所需要的尺寸。
'B2' is the required dimension when the sealing is exchanged.

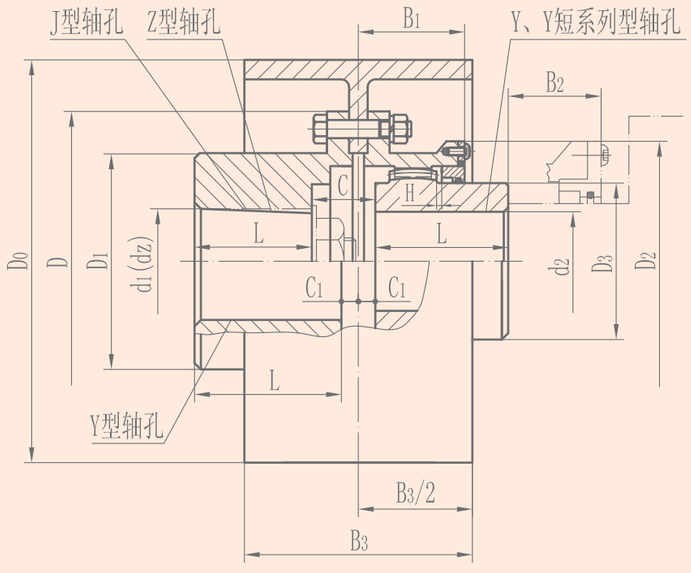
4.圆锥轴孔的最大直径至220mm。
The maximum diameter of the cone axis hole is 220mm.

# ◎ NGCLZ型 带制动轮鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证




**适用于NGCLZ1–13 / suitable for NGCLZ1–13**




**适用于NGCLZ14 / suitable for NGCLZ14**





# ◎ NGCLZ型 带制动轮鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

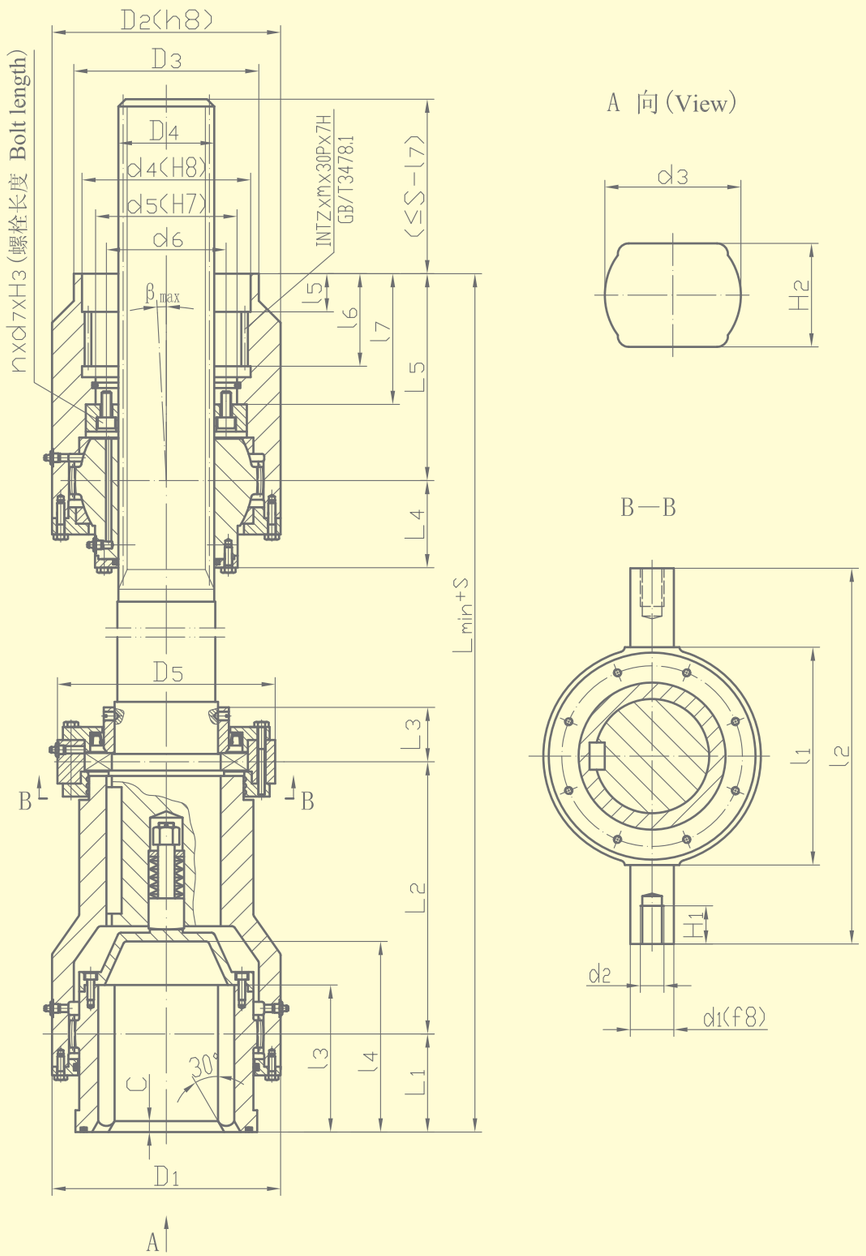
基本参数和主要尺寸 The parameter and main dimension (GB/T26103.5–2010)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2、dz | 轴孔长度 Length of axis hole L | | D0 | D | D1 | D2 | D3 | C | C1 | H | B1 | B2 | B3 | 转动惯量 Moment of inertia kg.m² | 质量 Weight kg | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | J、Z、Y (短系列) (Short series) | | | | | | | | | | | | | | |
| | | | mm | | | | | | | | | | | | | | | | |
| NGCLZ1 | 0.63 | 4000 | 20,22,24 | 52 | 38 | 160 | 103 | 71 | 71 | 50 | 22 | 8 | 2 | 42 | 38 | 68 | 0.071 | 7.3 | 31 |
| | | | 25,28 | 62 | 44 | | | | | | 26 | | | | | | 0.072 | 7.4 | |
| | | | 30,32,35 | 82 | 60 | | | | | | 30 | | | | | | 0.076 | 8.4 | |
| NGCLZ2 | 1 | 4000 | 25,28 | 62 | 44 | 160 | 115 | 83 | 83 | 60 | 26 | 8 | 2 | 48 | 42 | 68 | 0.081 | 9.2 | 42 |
| | | | 30,32,35,38 | 82 | 60 | | | | | | 30 | | | | | | 0.084 | 10.3 | |
| | | | 40,42,45 | 112 | 84 | | | | | | 36 | | | | | | 0.088 | 10.5 | |
| NGCLZ3 | 1.6 | 3800 | 28 | 62 | 44 | 200 | 127 | 95 | 95 | 75 | 26 | 8 | 2 | 49 | 42 | 85 | 0.181 | 15.1 | 65 |
| | | | 30,32,35,38 | 82 | 60 | | | | | | 30 | | | | | | 0.184 | 16.3 | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | 36 | | | | | | 0.193 | 18.8 | |
| NGCLZ4 | 2.8 | 3800 | 38 | 82 | 60 | 200 | 149 | 116 | 116 | 90 | 30 | 8 | 2 | 53 | 42 | 85 | 0.225 | 19.8 | 82 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | 36 | | | | | | 0.242 | 23.3 | |
| | | | 60,63,65 | 142 | 107 | | | | | | 43 | | | | | | 0.296 | 26.8 | |
| NGCLZ5 | 4.5 | 3000 | 40,42,45,48,50,55,56 | 112 | 84 | 250 | 167 | 134 | 134 | 105 | 38 | 10 | 2.5 | 59 | 42 | 105 | 0.596 | 33.3 | 120 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | 45 | | | | | | 0.627 | 39 | |
| NGCLZ6 | 6.3 | 3000 | 45,48,50,55,56 | 112 | 84 | 250 | 187 | 153 | 153 | 125 | 38 | 10 | 2.5 | 60 | 42 | 105 | 0.72 | 40 | 143 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | 45 | | | | | | 0.776 | 46.4 | |
| | | | 80,85,90 | 172 | 132 | | | | | | 50 | | | | | | 0.837 | 53.2 | |
| NGCLZ7 | 8 | 2400 | 50,55,56 | 112 | 84 | 315 (300) | 204 | 170 | 170 | 140 | 38 | 10 | 2.5 | 64 | 42 | 132 | 1.178 | 51.8 | 179 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | 45 | | | | | | 1.254 | 59.8 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | 50 | | | | | | 1.348 | 68.2 | |
| | | | 100 | 212 | 167 | | | | | | 55 | | | | | | 1.479 | 79.6 | |
| NGCLZ8 | 11.2 | 1900 | 55,56 | 112 | 84 | 400 | 230 | 186 | 186 | 155 | 40 | 12 | 3 | 77 | 47 | 168 | 3.734 | 84 | 274 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | 47 | | | | | | 3.86 | 93.1 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | 52 | | | | | | 3.996 | 104 | |
| | | | 100,110 | 212 | 167 | | | | | | 57 | | | | | | 4.187 | 117 | |
| NGCLZ9 | 18 | 1500 | 60,63,65,70,71,75 | 142 | 107 | 500 | 256 | 212 | 212 | 180 | 48 | 13 | 3 | 80 | 47 | 210 | 9.427 | 128 | 337 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | 53 | | | | | | 9.605 | 138 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | 58 | | | | | | 9.847 | 151 | |
| | | | 130 | 252 | 202 | | | | | | 63 | | | | | | 10.109 | 167 | |
| NGCLZ10 | 25 | 1200 | 65,70,71,75 | 142 | 107 | 630 (600) | 287 | 239 | 239 | 200 | 50 | 15 | 3.5 | 90 | 47 | 265 | 29.32 | 184 | 440 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | 55 | | | | | | 29.69 | 200 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | 60 | | | | | | 30.21 | 222 | |
| | | | 130,140,150 | 252 | 202 | | | | | | 65 | | | | | | 30.74 | 246 | |
| NGCLZ11 | 35.5 | 1050 | 70,71,75 | 142 | 107 | 710 (700) | 325 | 250 | 276 | 235 | 51 | 16 | 3.5 | 94 | 47 | 298 | 44 | 240 | 574 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | 56 | | | | | | 45 | 262 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | 61 | | | | | | 45.5 | 299 | |
| | | | 130,140,150 | 252 | 202 | | | | | | 66 | | | | | | 46 | 326 | |
| | | | 160,170 | 302 | 242 | | | | | | 76 | | | | | | 47 | 361 | |
| NGCLZ12 | 56 | 1050 | 75 | 142 | 107 | 710 (700) | 362 | 286 | 313 | 270 | 52 | 17 | 4 | 104 | 49 | 298 | 48 | 290 | 792 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | 57 | | | | | | 49 | 317 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | 62 | | | | | | 50 | 355 | |
| | | | 130,140,150 | 252 | 202 | | | | | | 67 | | | | | | 51 | 382 | |
| | | | 160,170,180 | 302 | 242 | | | | | | 77 | | | | | | 52 | 443 | |
| | | | 190,200 | 352 | 282 | | | | | | 87 | | | | | | 53 | 470 | |
| NGCLZ13 | 80 | 950 | 150 | 252 | 202 | 800 | 412 | 322 | 350 | 300 | 68 | 18 | 4.5 | 113 | 49 | 335 | 82 | 488 | 960 |
| | | | 160,170,180 | 302 | 242 | | | | | | 78 | | | | | | 85 | 542 | |
| | | | 190,200,220 | 352 | 282 | | | | | | 88 | | | | | | 92 | 598 | |
| NGCLZ14 | 125 | 950 | 170,180 | 302 | 242 | 800 | 462 | 335 | 420 | 335 | 80 | 20 | 5.5 | 157 | 63 | 335 | 95 | 638 | 2100 |
| | | | 190,200,220 | 352 | 282 | | | | | | 90 | | | | | | 98 | 698 | |
| | | | 240,250 | 410 | 330 | | | | | | 100 | | | | | | 102 | 780 | |

**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.
2.质量及转动惯量是按Y型轴孔的最小直径计算的近似值。
Weight and moment of inertia are approximate calculation value based on the minimum diameter of Y– axis hole.
3.B2为更换密封所需要的尺寸。
'B2' is the required dimension when the sealing is exchanged.
4.圆锥轴孔的最大直径至220mm。
The maximum diameter of the cone axis hole is 220mm.

# ◎ GSL–Z型 伸缩型正装鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证








# ◎ GSL–Z型 伸缩型正装鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension (JB/T10540–2005)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 轴线折角 Angle of the axis β | 外形尺寸 Outline dimension | | | | | | | | | | | 伸缩量 Extension stroke S | 耳轴尺寸 Trunnion Dimemsion | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | L1 | L2 | L3 | L4 | L5 | Lmin | D1 | D2 (h8) | D3 | D4 | D5 | | d1 (f8) | l1 | l2 | d2×H1 |
| | | | mm | | | | | | | | | | | | | | | |
| GSL–Z200 | 31.5 | ≤1.5° | 90 | 250 | 50 | 80 | 190 | 710 | 200 | 200 | 170 | 88 | 200 | 500 | 40 | 200 | 345 | M20x35 |
| GSL–Z250 | 50 | | 105 | 280 | 60 | 90 | 195 | 780 | 250 | 258 | 220 | 105 | 250 | | 45 | 270 | 425 | M20x35 |
| GSL–Z285 | 80 | | 115 | 315 | 60 | 105 | 205 | 850 | 285 | 270 | 245 | 120 | 270 | | 50 | 278 | 442 | M20x40 |
| GSL–Z300 | 100 | | 115 | 315 | 62 | 108 | 205 | 855 | 300 | 280 | 250 | 124 | 280 | 600 | 50 | 292 | 487 | M24x45 |
| GSL–Z335 | 140 | | 130 | 360 | 65 | 135 | 235 | 975 | 335 | 330 | 280 | 150 | 300 | | 55 | 293 | 488 | M24x45 |
| GSL–Z355 | 180 | | 130 | 360 | 75 | 145 | 245 | 1005 | 355 | 350 | 310 | 174 | 330 | | 55 | 312 | 505 | M24x45 |
| GSL–Z390 | 224 | | 140 | 390 | 80 | 155 | 255 | 1070 | 390 | 380 | 335 | 180 | 360 | | 60 | 360 | 570 | M24x50 |
| GSL–Z405 | 250 | | 140 | 390 | 80 | 155 | 255 | 1070 | 405 | 400 | 340 | 194 | 390 | | 60 | 390 | 580 | M24x50 |
| GSL–Z440 | 315 | | 150 | 430 | 85 | 165 | 260 | 1140 | 440 | 440 | 375 | 208 | 410 | | 65 | 420 | 650 | M24x50 |
| GSL–Z475 | 400 | | 155 | 460 | 85 | 165 | 265 | 1180 | 475 | 480 | 415 | 220 | 450 | | 70 | 460 | 684 | M36x70 |
| GSL–Z510 | 500 | | 160 | 490 | 90 | 180 | 310 | 1280 | 510 | 520 | 430 | 245 | 480 | 700 | 80 | 500 | 770 | M36x70 |
| GSL–Z550 | 630 | | 160 | 510 | 95 | 180 | 310 | 1300 | 550 | 550 | 470 | 252 | 510 | | 85 | 520 | 800 | M36x70 |
| GSL–Z580 | 750 | | 165 | 515 | 98 | 185 | 320 | 1315 | 580 | 560 | 485 | 258 | 525 | | 90 | 540 | 850 | M42x80 |
| GSL–Z610 | 840 | | 225 | 580 | 105 | 210 | 360 | 1550 | 610 | 610 | 520 | 280 | 580 | | 100 | 600 | 940 | M42x80 |
| GSL–Z660 | 1050 | | 245 | 640 | 115 | 230 | 390 | 1690 | 660 | 660 | 540 | 295 | 630 | | 100 | 650 | 990 | M42x80 |
| GSL–Z710 | 1300 | | 265 | 680 | 125 | 250 | 410 | 1800 | 710 | 710 | 580 | 315 | 680 | | 110 | 700 | 1070 | M42x80 |
| GSL–Z760 | 1600 | | 290 | 730 | 135 | 260 | 430 | 1920 | 760 | 760 | 620 | 340 | 740 | | 120 | 750 | 1150 | M42x80 |

| 型号 Type | 轧辊端连接尺寸 Connection dimension of roller side | | | | | | | 减速器端连接尺寸 Connection dimension of gear box side | | | | | | | | | 质量 Weight kg | | 转动惯量 Moment of inertia kg.m² | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | d3max | | H2max | | l3max | l4max | C | d4 (H8) | d5 (H7) | d6 (JS10) | mxz | nxd7xH3 | l5 | l6 | l7 | Lmin | 每增长100mm Per additional 100mm | Lmin | 每增长100mm Per additional 100mm |
| | 公称尺寸 Nominal dimension | 极限偏差 Nominal dimension | 公称尺寸 Nominal dimension | 极限偏差 Nominal dimension | | | | | | | | | | | | | | | | |
| | mm | | | | | | | | | | | | | | | | | | | |
| GSL–Z200 | 125 | +0.20 +0.10 | 95 | +0.20 +0.10 | 135 | 175 | 10 | 155 | 130 | 110 | 4x36 | 6xM10x25 | 35 | 85 | 120 | 150 | 4.77 | 0.75 | 0.024 |
| GSL–Z250 | 150 | | 110 | | 195 | 235 | 15 | 195 | 170 | 150 | 4x46 | 8xM10x25 | 35 | 90 | 125 | 207 | 6.8 | 1.62 | 0.05 |
| GSL–Z285 | 165 | | 120 | | 205 | 245 | | 220 | 195 | 175 | 4x46 | 10xM10x25 | 40 | 95 | 130 | 291 | 8.88 | 2.95 | 0.09 |
| GSL–Z300 | 180 | | 130 | | 210 | 250 | | 220 | 195 | 175 | 5x42 | 12xM12x30 | 45 | 100 | 132 | 322 | 9.48 | 3.62 | 0.11 |
| GSL–Z335 | 195 | +0.25 +0.15 | 150 | +0.25 +0.15 | 210 | 255 | | 245 | 220 | 200 | 5x46 | 12xM12x30 | 50 | 100 | 150 | 460 | 13.87 | 6.45 | 0.19 |
| GSL–Z355 | 195 | | 150 | | 215 | 255 | | 260 | 240 | 220 | 5x50 | 12xM12x30 | 50 | 100 | 150 | 507 | 18.67 | 7.99 | 0.29 |
| GSL–Z390 | 220 | +0.35 +0.20 | 170 | +0.35 +0.20 | 230 | 275 | 25 | 280 | 260 | 240 | 5x54 | 12xM12x30 | 50 | 100 | 150 | 650 | 19.98 | 12.36 | 0.38 |
| GSL–Z405 | 240 | | 180 | | 240 | 285 | | 305 | 280 | 260 | 5x58 | 12xM12x30 | 50 | 110 | 155 | 785 | 23.2 | 16.09 | 0.48 |
| GSL–Z440 | 260 | | 190 | | 250 | 295 | | 336 | 306 | 276 | 6x54 | 12xM16x40 | 50 | 115 | 155 | 836 | 26.67 | 20.23 | 0.65 |
| GSL–Z475 | 280 | | 210 | | 272 | 317 | | 365 | 330 | 300 | 6x58 | 12xM16x40 | 50 | 115 | 155 | 1032 | 29.84 | 29.11 | 0.84 |
| GSL–Z510 | 300 | +0.40 +0.25 | 230 | +0.40 +0.25 | 300 | 355 | 30 | 390 | 345 | 315 | 6x62 | 12xM16x40 | 50 | 130 | 170 | 1531 | 37.01 | 49.78 | 1.2 |
| GSL–Z550 | 320 | | 240 | | 320 | 375 | | 400 | 370 | 320 | 6x64 | 12xM16x40 | 50 | 130 | 170 | 1537 | 39.15 | 58.12 | 1.48 |
| GSL–Z580 | 340 | | 260 | | 325 | 388 | | 405 | 370 | 320 | 6x66 | 12xM16x40 | 50 | 135 | 175 | 1769 | 41.04 | 74.39 | 1.73 |
| GSL–Z610 | 400 | | 300 | | 420 | 470 | 35 | 455 | 420 | 370 | 8x54 | 12xM20x50 | 50 | 160 | 210 | 2492 | 48.34 | 115.91 | 2.25 |
| GSL–Z660 | 420 | | 320 | | 440 | 500 | | 485 | 440 | 400 | 8x58 | 12xM20x50 | 60 | 180 | 230 | 3178 | 53.65 | 173.04 | 2.92 |
| GSL–Z710 | 460 | | 350 | | 480 | 540 | 40 | 530 | 475 | 430 | 10x50 | 12xM20x50 | 60 | 190 | 240 | 3693 | 61.18 | 232.71 | 3.85 |
| GSL–Z760 | 500 | | 380 | | 530 | 590 | | 570 | 515 | 470 | 10x54 | 12xM20x50 | 60 | 200 | 250 | 4592 | 71.27 | 331.54 | 5.15 |

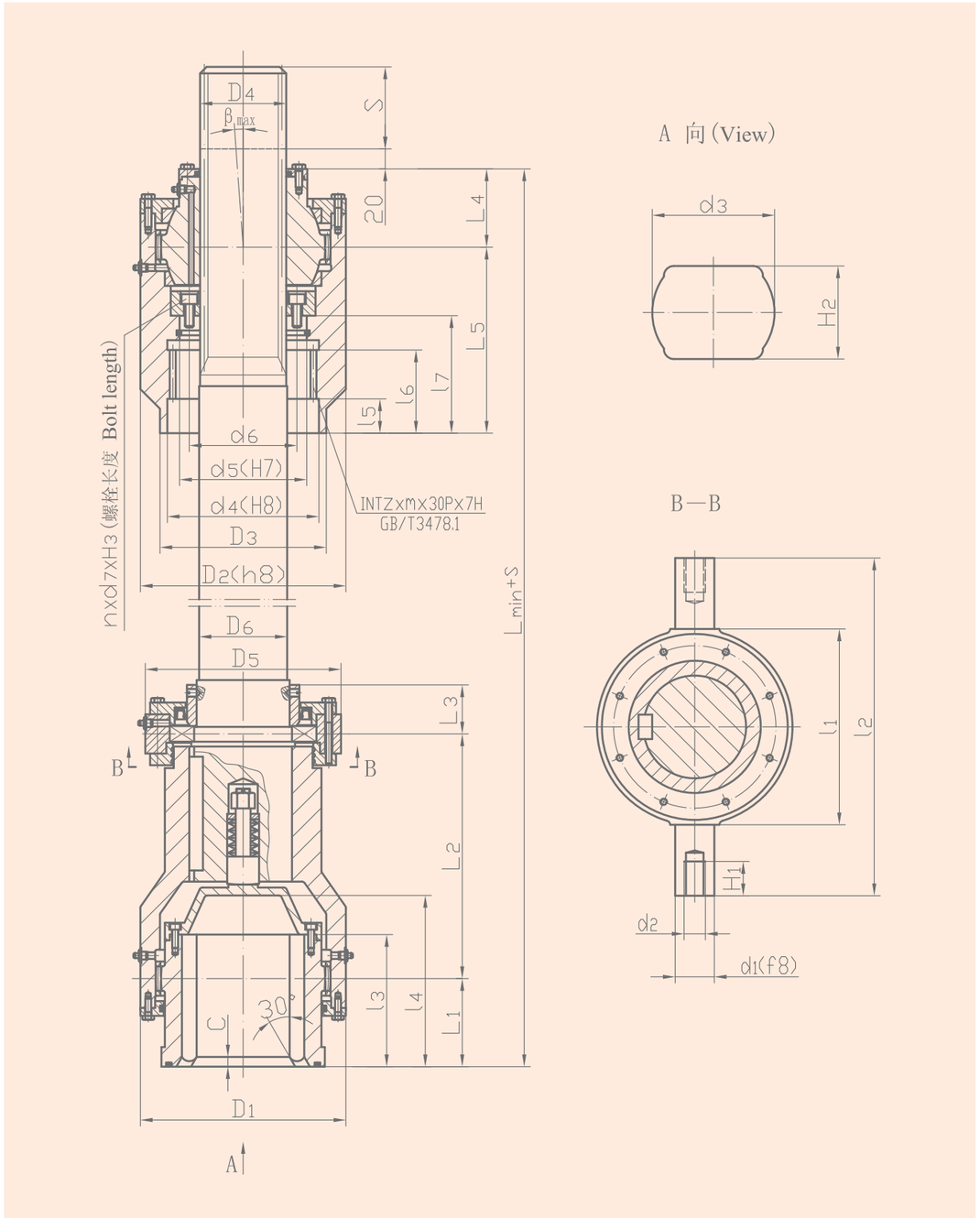
**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.

2.表中的质量和转动惯量是按Lmin(不含伸缩量)计算的近似值。
The weight and moment of inertia are approximate calculation value based on the minimum length Lmin(exclude the extension stroke).

3.Lmin为联轴器允许制造的最短长度尺寸，实际需要最短长度尺寸及伸缩量可根据用户需要确定，但必须≥Lmin。
Lmin is the minmum length for manufacturing. The actual minmum length and stroke can be decided by customer, which must ≥Lmin.

# ◎ GSL–F型 伸缩型反装鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证








# ◎ GSL–F型 伸缩型反装鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension(JB/T10540–2005)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 轴线折角 Angle of the axis β | 外形尺寸 Outline dimension | | | | | | | | | | | | 伸缩量 Extension stroke S | 耳轴尺寸 Trunnion Dimemsion | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | L1 | L2 | L3 | L4 | L5 | Lmin | D1 | D2 (h8) | D3 | D4 | D5 | D6 | | d1 (f8) | l1 | l2 | d2×H1 |
| GSL–F200 | 31.5 | ≤1.5° | 90 | 250 | 50 | 80 | 190 | 960 | 200 | 200 | 170 | 88 | 200 | 90 | 500 | 40 | 200 | 345 | M20x35 |
| GSL–F250 | 50 | | 105 | 280 | 60 | 90 | 195 | 1050 | 250 | 258 | 220 | 105 | 250 | 107 | | 45 | 270 | 425 | M20x35 |
| GSL–F285 | 80 | | 115 | 315 | 60 | 105 | 205 | 1140 | 285 | 270 | 245 | 120 | 270 | 122 | | 50 | 278 | 442 | M20x40 |
| GSL–F300 | 100 | | 115 | 315 | 62 | 108 | 205 | 1165 | 300 | 280 | 250 | 124 | 280 | 126 | 600 | 50 | 292 | 487 | M24x45 |
| GSL–F335 | 140 | | 130 | 360 | 65 | 135 | 235 | 1315 | 335 | 330 | 280 | 150 | 300 | 152 | | 55 | 293 | 488 | M24x45 |
| GSL–F355 | 180 | | 130 | 360 | 75 | 145 | 245 | 1360 | 355 | 350 | 310 | 174 | 330 | 176 | | 55 | 312 | 505 | M24x45 |
| GSL–F390 | 224 | | 140 | 390 | 80 | 155 | 255 | 1450 | 390 | 380 | 335 | 180 | 360 | 182 | | 60 | 360 | 570 | M24x50 |
| GSL–F405 | 250 | | 140 | 390 | 80 | 155 | 255 | 1450 | 405 | 400 | 340 | 194 | 390 | 196 | | 60 | 390 | 580 | M24x50 |
| GSL–F440 | 315 | | 150 | 430 | 85 | 165 | 260 | 1540 | 440 | 440 | 375 | 208 | 410 | 210 | | 65 | 420 | 650 | M24x50 |
| GSL–F475 | 400 | | 155 | 460 | 85 | 165 | 265 | 1600 | 475 | 480 | 415 | 220 | 450 | 222 | | 70 | 460 | 684 | M36x70 |
| GSL–F510 | 500 | | 160 | 490 | 90 | 180 | 310 | 1750 | 510 | 520 | 430 | 245 | 480 | 247 | 700 | 80 | 500 | 770 | M36x70 |
| GSL–F550 | 630 | | 160 | 510 | 95 | 180 | 310 | 1770 | 550 | 550 | 470 | 252 | 510 | 254 | | 85 | 520 | 800 | M36x70 |
| GSL–F580 | 750 | | 165 | 515 | 98 | 185 | 320 | 1790 | 580 | 560 | 485 | 258 | 525 | 260 | | 90 | 540 | 850 | M42x80 |
| GSL–F610 | 840 | | 225 | 580 | 105 | 210 | 360 | 2060 | 610 | 610 | 520 | 280 | 580 | 282 | | 100 | 600 | 940 | M42x80 |
| GSL–F660 | 1050 | | 245 | 640 | 115 | 230 | 390 | 2230 | 660 | 660 | 540 | 295 | 630 | 297 | | 100 | 650 | 990 | M42x80 |
| GSL–F710 | 1300 | | 265 | 680 | 125 | 250 | 410 | 2380 | 710 | 710 | 580 | 315 | 680 | 317 | | 110 | 700 | 1070 | M42x80 |
| GSL–F760 | 1600 | | 290 | 730 | 135 | 260 | 430 | 2540 | 760 | 760 | 620 | 340 | 740 | 342 | | 120 | 750 | 1150 | M42x80 |

| 型号 Type | 轧辊端连接尺寸 Connection dimension of roller side | | | | | | | 减速器端连接尺寸 Connection dimension of gear box side | | | | | | | | 质量 Weight kg | | 转动惯量 Moment of inertia kg.m² | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | d3max | | H2max | | | | | | | | | | | | | | | | |
| | 公称尺寸 Nominal dimension | 极限偏差 Nominal dimension | 公称尺寸 Nominal dimension | 极限偏差 Nominal dimension | l3max | l4max | C | d4 (H8) | d5 (H7) | d6 (JS10) | mxz | nxd7xH3 | l5 | l6 | l7 | Lmin | 每增长100mm Per additional 100mm | Lmin | 每增长100mm Per additional 100mm |
| | mm | | | | | | | | | | | | | | | | | | |
| GSL–F200 | 125 | +0.20 +0.10 | 95 | +0.20 +0.10 | 135 | 175 | 10 | 155 | 130 | 110 | 4x36 | 6xM10x25 | 35 | 85 | 120 | 162 | 4.77 | 0.81 | 0.024 |
| GSL–F250 | 150 | | 110 | | 195 | 235 | 15 | 195 | 170 | 150 | 4x46 | 8xM10x25 | 35 | 90 | 125 | 226 | 6.8 | 1.77 | 0.05 |
| GSL–F285 | 165 | | 120 | | 205 | 245 | | 220 | 195 | 175 | 4x46 | 10xM10x25 | 40 | 95 | 130 | 317 | 8.88 | 3.22 | 0.09 |
| GSL–F300 | 180 | | 130 | | 210 | 250 | | 220 | 195 | 175 | 5x42 | 12xM12x30 | 45 | 100 | 132 | 352 | 9.48 | 3.96 | 0.11 |
| GSL–F335 | 195 | +0.25 +0.15 | 150 | +0.25 +0.15 | 210 | 255 | | 245 | 220 | 200 | 5x46 | 12xM12x30 | 50 | 100 | 150 | 508 | 13.87 | 7.13 | 0.19 |
| GSL–F355 | 195 | | 150 | | 215 | 255 | | 260 | 240 | 220 | 5x50 | 12xM12x30 | 50 | 100 | 150 | 574 | 18.67 | 9.04 | 0.29 |
| GSL–F390 | 220 | +0.35 +0.20 | 170 | +0.35 +0.20 | 230 | 275 | 25 | 280 | 260 | 240 | 5x54 | 12xM12x30 | 50 | 100 | 150 | 727 | 19.98 | 13.82 | 0.38 |
| GSL–F405 | 240 | | 180 | | 240 | 285 | | 305 | 280 | 260 | 5x58 | 12xM12x30 | 50 | 110 | 155 | 874 | 23.2 | 17.92 | 0.48 |
| GSL–F440 | 260 | | 190 | | 250 | 295 | | 336 | 306 | 276 | 6x54 | 12xM16x40 | 50 | 115 | 155 | 944 | 26.67 | 22.84 | 0.65 |
| GSL–F475 | 280 | | 210 | | 272 | 317 | | 365 | 330 | 300 | 6x58 | 12xM16x40 | 50 | 115 | 155 | 1159 | 29.84 | 32.69 | 0.84 |
| GSL–F510 | 300 | +0.40 +0.25 | 230 | +0.40 +0.25 | 300 | 355 | 30 | 390 | 345 | 315 | 6x62 | 12xM16x40 | 50 | 130 | 170 | 1707 | 37.01 | 55.5 | 1.2 |
| GSL–F550 | 320 | | 240 | | 320 | 375 | | 400 | 370 | 320 | 6x64 | 12xM16x40 | 50 | 130 | 170 | 1723 | 39.15 | 65.15 | 1.48 |
| GSL–F580 | 340 | | 260 | | 325 | 388 | | 405 | 370 | 320 | 6x66 | 12xM16x40 | 50 | 135 | 175 | 1966 | 41.04 | 82.67 | 1.73 |
| GSL–F610 | 400 | | 300 | | 420 | 470 | 35 | 455 | 420 | 370 | 8x54 | 12xM20x50 | 50 | 160 | 210 | 2741 | 48.34 | 127.49 | 2.25 |
| GSL–F660 | 420 | | 320 | | 440 | 500 | | 485 | 440 | 400 | 8x58 | 12xM20x50 | 60 | 180 | 230 | 3470 | 53.65 | 188.94 | 2.92 |
| GSL–F710 | 460 | | 350 | | 480 | 540 | 40 | 530 | 475 | 430 | 10x50 | 12xM20x50 | 60 | 190 | 240 | 4051 | 61.18 | 255.26 | 3.85 |
| GSL–F760 | 500 | | 380 | | 530 | 590 | | 570 | 515 | 470 | 10x54 | 12xM20x50 | 60 | 200 | 250 | 5037 | 71.27 | 363.67 | 5.15 |

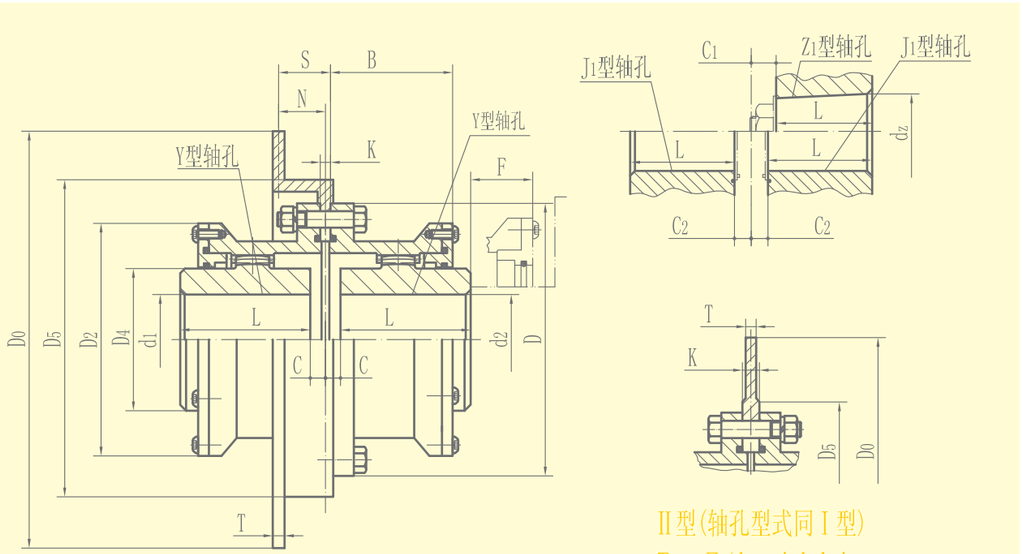
**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.

2.表中的质量和转动惯量是按Lmin(不含伸缩量)计算的近似值。
The weight and moment of inertia are approximate calculation value based on the minimum length Lmin(exclude the extension stroke).

3.Lmin为联轴器允许制造的最短长度尺寸，实际需要最短长度尺寸及伸缩量可根据用户需要确定，但必须≥Lmin。
Lmin is the minmum length for manufacturing. The actual minmum length and stroke can be decided by customer, which must ≥Lmin.

# ◎ WGP型 带制动盘鼓形齿式联轴器

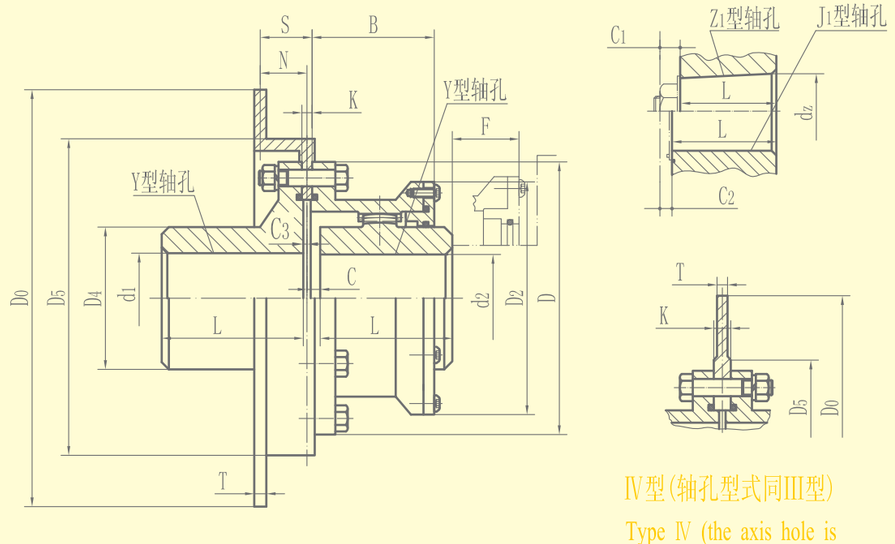
三豐傳動® ISO9001:2008 质量体系认证




Ⅰ型(Type)

Ⅱ型(轴孔型式同Ⅰ型)

Type Ⅱ (the axis hole is same with Type Ⅰ)




Ⅲ型(Type)

Ⅳ型(轴孔型式同Ⅲ型)

Type Ⅳ (the axis hole is same with TypeⅢ)





# ◎ WGP型 带制动盘鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸The parameter and main dimension (JB/T7001–2007)

| 型号 Type | 公称转矩 Nominal torque Tn (kN.m) | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2、dz | 轴孔长度 Length of axis hole L | | D0 | D | D2 | D4 | B | F | N | C | C1 | C2 | C3 | 转动惯量 Moment of inertia kg.m² | 质量 Weight kg | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | J1、Z1 | mm | | | | | | | | | | | | | |
| WGP1 | 0.8 | 4000 | 12,14 | 32 | | 315 | 122 | 98 | 60 | 58 | 30 | 38 | 30 | | | 2 | 0.0078 | 5.6 | 110 |
| | | | 16,18,19 | 42 | | | | | | | | | 20 | | | | | | |
| | | | 20,22,24 | 52 | | | | | | | | | 10 | | | | | | |
| | | | 25,28 | 62 | 44 | | | | | | | | 3 | 19 | 18 | | | | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | | 23 | 12 | | | | |
| | | | 40,42 | 112 | 84 | | | | | | | | | 29 | 12 | | | | |
| WGP2 | 1.4 | 4000 | 22,24 | 52 | | 315 | 150 | 118 | 77 | 68 | 30 | 38 | 20 | | | 2 | 0.022 | 9.65 | 120 |
| | | | 25,28 | 62 | | | | | | | | | 10 | | | | | | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | 3 | 23 | 16 | | | | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | 29 | | | | | |
| WGP3 | 2.8 | 4000 | 22,24 | 52 | | 355 | 170 | 140 | 90 | 80 | 30 | 49 | 33 | | | 2 | 0.047 | 16.6 | 200 |
| | | | 25,28 | 62 | | | | | | | | | 23 | | | | | | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | 3 | 23 | 25 | | | | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | 29 | 16 | | | | |
| | | | 60,63 | 142 | 107 | | | | | | | | | 36 | | | | | |
| WGP4 | 5 | 3000 | 30,32,35,38 | 82 | | 400 450 500 | 200 | 160 | 112 | 90 | 30 | 45 | 13 | | | 3 | 0.098 | 25.3 | 280 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | 29 | | | | | |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | 3 | 36 | 17 | | | | |
| | | | 80 | 172 | 132 | | | | | | | | | 41 | | | | | |
| WGP5 | 8 | 2500 | 30,32,35,38 | 82 | | 400 450 500 | 225 | 180 | 128 | 100 | 30 | 45 | 23 | | | 3 | 0.174 | 34.7 | 450 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | 29 | | | | | |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | 3 | 36 | 19 | | | | |
| | | | 80,85,90 | 172 | 132 | | | | | | | | | 41 | | | | | |
| WGP6 | 11.2 | 2000 | 32,35,38 | 82 | | 450 500 560 630 | 245 | 200 | 145 | 112 | 30 | 44 | 35 | | | 3 | 0.293 | 51.3 | 650 |
| | | | 40,42,45,48,50,55,56 | 112 | | | | | | | | | | | | | | | |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | 5 | 38 | 20 | | | | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 43 | | | | | |
| | | | 100 | 212 | 167 | | | | | | | | | 48 | | | | | |
| WGP7 | 16 | 1700 | 32,35,38 | 82 | | 450 500 560 630 710 | 272 | 230 | 160 | 122 | 30 | 44 | 45 | | | 3 | 0.53 | 68 | 800 |
| | | | 40,42,45,48,50,55,56 | 112 | | | | | | | | | 15 | | | | | | |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | 38 | | | | | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | 5 | 43 | 20 | | | | |
| | | | 100,110 | 212 | 167 | | | | | | | | | 48 | | | | | |
| WGP8 | 22.4 | 1700 | 55,56 | 112 | | 500 560 630 710 | 290 | 245 | 176 | 136 | 30 | 44 | 29 | | | 3 | 0.71 | 79 | 950 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | 38 | 34 | | | | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | 5 | 43 | 20 | | | | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | 48 | | | | | |
| WGP9 | 28 | 1600 | 65,70,71,75 | 142 | 107 | 560 630 710 800 | 315 | 265 | 190 | 140 | 30 | 58 | 38 | | | 3 | 1.05 | 106.5 | 1300 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 43 | | | | | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | 5 | 48 | 28 | | | | |
| | | | 130,140 | 252 | 202 | | | | | | | | | 53 | | | | | |
| WGP10 | 45 | 1600 | 75 | 142 | | 630 710 800 | 355 | 300 | 225 | 165 | 30 | 58 | 28 | | | 3 | 1.74 | 159 | 1600 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | 43 | 38 | | | | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | 5 | 48 | 28 | | | | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | 53 | | | | | |
| | | | 160 | 302 | 242 | | | | | | | | | 63 | | | | | |
| WGP11 | 63 | 1400 | 85,90,95 | 172 | | 710 800 900 | 412 | 345 | 256 | 180 | 40 | 58 | 15 | | | 4 | 3.67 | 215 | 2000 |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | 51 | | | | | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | 8 | 56 | 32 | | | | |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | 66 | | | | | |
| WGP12 | 90 | 1400 | 120,125 | 212 | 167 | 710 800 900 | 440 | 375 | 288 | 207 | 40 | 58 | 8 | 51 | 45 | 4 | 6.4 | 303 | 3400 |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | 56 | | | | | |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | 66 | 32 | | | | |
| | | | 190,200 | 352 | 282 | | | | | | | | | 76 | | | | | |
| WGP13 | 125 | 1400 | 140,150 | 252 | 202 | 800 900 | 490 | 425 | 320 | 235 | 50 | 58 | 8 | 56 | 38 | 4 | 10.45 | 391 | 4400 |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | 66 | 32 | | | | |
| | | | 190,200,220 | 352 | 282 | | | | | | | | | 76 | | | | | |
| WGP14 | 180 | 1200 | 160,170,180 | 302 | 242 | 900 1000 | 545 | 462 | 362 | 265 | 50 | 65 | 10 | 68 | 32 | 4 | 17.48 | 523 | 6600 |
| | | | 190,200,220 | 352 | 282 | | | | | | | | | 78 | | | | | |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | | 10 | | | | |

制动盘主要尺寸、质量、转动惯量（表2）

Table2 The main dimension, Weight and Moment of inertia of the brake disc

| 制动盘直径 Diameter of brake disc D0 | T | K | S | $D_{5max}$ | | 质量 Weight m kg | | 转动惯量 Moment of inertia I kg.m² | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Ⅰ、Ⅲ | Ⅱ、Ⅳ | Ⅰ、Ⅲ | Ⅱ、Ⅳ | Ⅰ、Ⅲ | Ⅱ、Ⅳ |
| 315 | 15 | 10 | 42 | 180 | 155 | 8.5 | 6.7 | 0.116 | 0.11 |
| 355 | 15 | 10 | 54 | 200 | 175 | 11.4 | 9.9 | 0.192 | 0.178 |
| 400 | 15 | 14 | 54 | 255 | 230 | 15.2 | 12.4 | 0.32 | 0.287 |
| 450 | 15 | 16 | 54 | 305 | 280 | 19.7 | 15.6 | 0.55 | 0.462 |
| 500 | 15 | 18 | 54 | 325 | 295 | 25 | 20 | 0.83 | 0.712 |
| 560 | 15 | 18 | 54 | 350 | 320 | 30.7 | 25.6 | 1.28 | 1.127 |
| 630 | 15 | 20 | 54 | 400 | 360 | 38.8 | 33 | 2.06 | 1.826 |
| 710 | 15 | 20 | 54 | 480 | 450 | 46.5 | 39.4 | 3.32 | 2.912 |
| 800 | 15 | 24 | 70 | 540 | 500 | 67.8 | 52.7 | 5.87 | 4.81 |
| 900 | 15 | 24 | 70 | 600 | 560 | 86.6 | 70.3 | 9.3 | 7.852 |
| 1000 | 20 | 30 | 80 | 620 | 560 | 128.8 | 115.1 | 17.4 | 15.65 |

**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.

2.质量及转动惯量是按Y型轴孔最大直径计算的近似值，未计算制动盘，制动盘质量和转动惯量见表2。
Weight and moment of inertia are approximate calculation value based on the maximum diameter of Y– axis hole exclude the brake disc. The weight and rotary inertia of disc refer to the table 2

3.N=S–K/2，S、K值见表2，表中N值是制动盘直径最大时的计算值。
N=S–K/2，S、K refer to the table 2，The N in the table is the maximum calculation Table value of brake disc with maximum diameter .

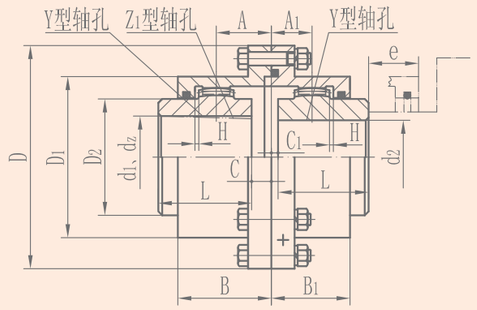
4.不同制动盘直径的C、C1、C2值为表中数值再加K/2，K值见表2。
The C、C1、C2 value for different diameter brake disc equals to the value in the table plus K/2, which need refer to the table 2.

5.锥轴最大轴孔直径至220mm。
The maximum diameter of the cone axis hole is 220mm.

6.F为更换密封所需要的尺寸。
'F' is the required dimension when the sealing is exchanged.

# ◎ GCLD型 鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证




基本参数和主要尺寸 The parameter and main dimension(GB/T26103.3–2010)

| 型号 Type | 公称转矩 Nominal torque Tn ( kN.m) | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2、dz | 轴孔长度 Length of axis hole L | | D | D1 | D2 | C | C1 | H | A | A1 | B | B1 | e | 转动惯量 Moment of inertia kg.m² | 质量 Weight kg | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | Z1、Y (短系列) (Short series) | mm | | | | | | | | | | | | | |
| GCLD1 | 1.6 | 5600 | 22,24 | 52 | 38 | 127 | 95 | 75 | 27 | 4 | 2 | 43 | 22 | 66 | 45 | 42 | 0.0088 | 6.2 | 107 |
| | | | 25,28 | 62 | 44 | | | | | | | | | | | | 0.0102 | 7.2 | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | | | | | 0.011 | 7.8 | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | | | | 0.0118 | 9.6 | |
| GCLD2 | 2.8 | 5100 | 38 | 82 | 60 | 149 | 116 | 90 | 26.5 | 4 | 2 | 49.5 | 24.5 | 70 | 49 | 42 | 0.0213 | 11.2 | 137 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | | | | 0.0215 | 14 | |
| | | | 60,63,65 | 142 | 107 | | | | 33 | | | | | | | | 0.0243 | 16.4 | |
| GCLD3 | 4.5 | 4600 | 40,42,45,48,50,55,56 | 112 | 84 | 167 | 134 | 105 | 33 | 5 | 2.5 | 53.5 | 27.5 | 80 | 54 | 42 | 0.04 | 17.2 | 201 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | | | | 0.0475 | 22.4 | |
| GCLD4 | 6.3 | 4300 | 45,48,50,55,56 | 112 | 84 | 187 | 153 | 125 | 33.5 | 5 | 2.5 | 54 | 28 | 81 | 55 | 42 | 0.0725 | 25.2 | 238 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | | | | 0.0825 | 26.4 | |
| | | | 80,85,90 | 172 | 132 | | | | 38 | | | | | | | | 0.095 | 35.6 | |
| GCLD5 | 8 | 4000 | 50,55,56 | 112 | 84 | 204 | 170 | 140 | 37.5 | 5 | 2.5 | 60 | 30 | 89 | 59 | 42 | 0.1125 | 31.6 | 298 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | | | | 0.1175 | 38 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | | | 0.145 | 44.6 | |
| | | | 100,105 | 212 | 167 | | | | 43.5 | | | | | | | | 0.1674 | 53.9 | |
| GCLD6 | 11.2 | 3700 | 55,56 | 112 | 84 | 230 | 186 | 155 | 43.5 | 6 | 3 | 68.5 | 33.5 | 106 | 71 | 47 | 0.1875 | 40.5 | 465 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | | | | 0.21 | 49.8 | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | | | 0.235 | 56.3 | |
| | | | 100,110,115 | 212 | 167 | | | | | | | | | | | | 0.2675 | 67.5 | |
| GCLD7 | 18 | 3350 | 60,63,65,70,71,75 | 142 | 107 | 256 | 212 | 180 | 48 | 6 | 3 | 73.5 | 34.5 | 112 | 73 | 47 | 0.3575 | 63.9 | 561 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | | | 0.4 | 74.7 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | | | | 0.4625 | 88 | |
| | | | 130,135 | 252 | 202 | | | | | | | | | | | | 0.5275 | 106.7 | |
| GCLD8 | 25 | 3000 | 65,70,71,75 | 142 | 107 | 287 | 239 | 200 | 40.5 | 7 | 3.5 | 75 | 39 | 118 | 82 | 47 | 0.56 | 81.7 | 734 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | | | 0.6275 | 95.5 | |
| | | | 100,110,120,125 | 212 | 167 | | | | 48 | | | | | | | | 0.72 | 114 | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | | | | 0.8125 | 123 | |
| GCLD9 | 35.5 | 2700 | 70,71,75 | 142 | 107 | 325 | 276 | 235 | 49.5 | 7 | 3.5 | 87.5 | 40.5 | 132 | 85 | 47 | 1.0775 | 112 | 956 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | | | 1.2075 | 130 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | | | | 1.3825 | 156 | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | | | | 1.56 | 181 | |
| | | | 160,170,175 | 302 | 242 | | | | 58 | | | | | | | | 1.77 | 212 | |
| GCLD10 | 56 | 2450 | 75 | 142 | 107 | 362 | 313 | 270 | 65 | 8 | 4 | 98.5 | 44.5 | 149 | 95 | 49 | 1.97 | 161 | 1320 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | | | | 2.0725 | 172 | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | | | | 2.38 | 206 | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | | | | 2.5625 | 239 | |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | | | | 3.055 | 280 | |
| | | | 190,200,220 | 352 | 282 | | | | 68 | | | | | | | | 3.4225 | 319 | |

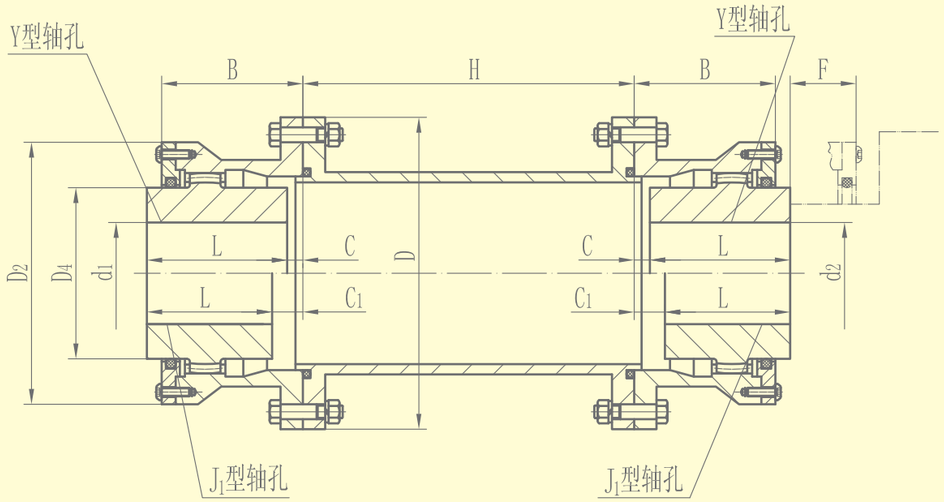
**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.
2.质量及转动惯量是按Y(短系列)型轴孔的最小直径计算的近似值。
Weight and moment of inertia are approximate calculation value based on the minimum diameter of Y– axis hole ( short series).
3.e为更换密封所需要的尺寸。
'e' is the required dimension when the sealing is exchanged.



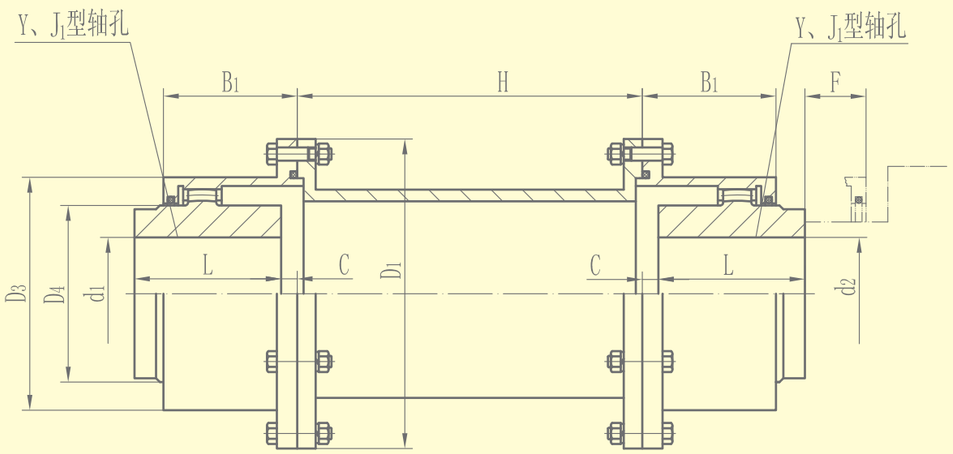


# ◎ WGT型 接中间套鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证




Ⅰ型(Type)




Ⅱ型(Type)

# ◎ WGT型 接中间套鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension（JB/T7004–2007）

| 型号 Type | 公称转矩 Nominal torque Tn（kN.m） | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2 | 轴孔长度 Length of axis hole L | | D | D1 | D2 | D3 | D4 | B | B1 | F | H min |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | J1 | mm | | | | | | | | |
| WGT1 | 0.8 | 7500 | 12,14 | 32 | | 122 | 115 | 98 | 88 | 60 | 58 | 50 | 30 | 75 |
| | | | 16,18,19 | 42 | | | | | | | | | | |
| | | | 20,22,24 | 52 | | | | | | | | | | |
| | | | 25,28 | 62 | 44 | | | | | | | | | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | | |
| | | | 40,42 | 112 | 84 | | | | | | | | | |
| WGT2 | 1.4 | 6700 | 22,24 | 52 | | 150 | 145 | 118 | 108 | 77 | 68 | 52 | 30 | 80 |
| | | | 25,28 | 62 | | | | | | | | | | |
| | | | 30,32,35,38 | 80 | 60 | | | | | | | | | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | |
| WGT3 | 2.8 | 6300 | 22,24 | 52 | | 170 | 165 | 140 | 125 | 90 | 80 | 54 | 30 | 80 |
| | | | 25,28 | 62 | | | | | | | | | | |
| | | | 30,32,35,38 | 82 | 60 | | | | | | | | | |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | |
| | | | 60,63 | 142 | 107 | | | | | | | | | |
| WGT4 | 5 | 5600 | 30,32,35,38 | 82 | | 200 | 195 | 160 | 145 | 112 | 90 | 58 | 30 | 100 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | |
| | | | 80 | 172 | 132 | | | | | | | | | |
| WGT5 | 8 | 5300 | 30,32,35,38 | 82 | | 225 | 215 | 180 | 168 | 128 | 100 | 63 | 30 | 100 |
| | | | 40,42,45,48,50,55,56 | 112 | 84 | | | | | | | | | |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | |
| | | | 80,85,90 | 172 | 132 | | | | | | | | | |
| WGT6 | 11.2 | 5000 | 32,35,38 | 82 | | 245 | 230 | 200 | 185 | 145 | 112 | 67 | 30 | 100 |
| | | | 40,42,45,48,50,55,56 | 112 | | | | | | | | | | |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | |
| | | | 100 | 212 | 167 | | | | | | | | | |
| WGT7 | 16 | 4500 | 32,35,38 | 82 | | 272 | 265 | 230 | 210 | 160 | 122 | 74 | 30 | 120 |
| | | | 40,42,45,48,50,55,56 | 112 | | | | | | | | | | |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | |
| | | | 100,110 | 212 | 167 | | | | | | | | | |
| WGT8 | 22.4 | 4250 | 55,56 | 112 | | 290 | 272 | 245 | 225 | 176 | 136 | 81 | 30 | 120 |
| | | | 60,63,65,70,71,75 | 142 | 107 | | | | | | | | | |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | |
| WGT9 | 28 | 4000 | 65,70,71,75 | 142 | 107 | 315 | 305 | 265 | 245 | 190 | 140 | 88 | 30 | 155 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | |
| | | | 130,140 | 252 | 202 | | | | | | | | | |
| WGT10 | 45 | 3550 | 75 | 142 | | 355 | 340 | 300 | 280 | 225 | 165 | 98 | 30 | 155 |
| | | | 80,85,90,95 | 172 | 132 | | | | | | | | | |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | |
| | | | 160 | 302 | 242 | | | | | | | | | |
| WGT11 | 63 | 3000 | 85,90,95 | 172 | | 412 | 385 | 345 | 325 | 256 | 180 | 112 | 40 | 175 |
| | | | 100,110,120,125 | 212 | 167 | | | | | | | | | |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | |
| WGT12 | 90 | 2800 | 120,125 | 212 | 167 | 440 | 435 | 375 | 360 | 288 | 210 | 125 | 40 | 205 |
| | | | 130,140,150 | 252 | 202 | | | | | | | | | |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | |
| | | | 190,200 | 352 | 282 | | | | | | | | | |



WGT crown gear coupling with intermediate tube

# ◎ WGT型 接中间套鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension（JB/T7004–2007）

| 型号 Type | C | | C1 | 质量 Weight kg | | 转动惯量 Moment of inertia kg.m² | | 每加长10mm的质量 Weight of the per additional 10mm length m/kg | | 每加长10mm的转动惯量 Moment of inertia of the per additional 10mm length l/kg.m² | | 润滑脂容量 Grease volume mL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | II | | I | II | I | II | I | II | I | II | I | II |
| | mm | | | | | | | | | | | | |
| WGT1 | 30 | | | 7.24 | 6.37 | 0.011 | 0.009 | 0.088 | 0.08 | 0.0001 | 0.00008 | 85 | 40 |
| | 20 | 14 | | | | | | | | | | | |
| | 10 | 4 | | | | | | | | | | | |
| | 3 | 3 | 18 | | | | | | | | | | |
| | | | 12 | | | | | | | | | | |
| | | | 12 | | | | | | | | | | |
| WGT2 | 20 | 4 | | 12.5 | 9.88 | 0.029 | 0.023 | 0.13 | 0.125 | 0.0002 | 0.00021 | 90 | 60 |
| | 10 | 3 | | | | | | | | | | | |
| | 3 | | 16 | | | | | | | | | | |
| WGT3 | 33 | 7 | | 20.2 | 15.3 | 0.062 | 0.047 | 0.16 | 0.16 | 0.0004 | 0.00038 | 170 | 100 |
| | 23 | 3 | | | | | | | | | | | |
| | 3 | | 25 | | | | | | | | | | |
| | | | 16 | | | | | | | | | | |
| WGT4 | 13 | 3 | | 30.8 | 24.8 | 0.13 | 0.104 | 0.2 | 0.19 | 0.0008 | 0.00071 | 250 | 150 |
| | 3 | | 17 | | | | | | | | | | |
| WGT5 | 23 | 3 | | 41 | 31.9 | 0.223 | 0.168 | 0.23 | 0.22 | 0.0012 | 0.001 | 350 | 220 |
| | 3 | | 19 | | | | | | | | | | |
| WGT6 | 35 | 5 | | 58.2 | 44.1 | 0.356 | 0.266 | 0.26 | 0.24 | 0.0017 | 0.0013 | 400 | 290 |
| | 5 | | | | | | | | | | | | |
| | | | 20 | | | | | | | | | | |
| WGT7 | 45 | 5 | | 79.1 | 53.6 | 0.664 | 0.455 | 0.32 | 0.3 | 0.003 | 0.0027 | 600 | 440 |
| | 15 | | | | | | | | | | | | |
| | 5 | | 20 | | | | | | | | | | |
| WGT8 | 29 | 5 | | 91 | 64.8 | 0.874 | 0.577 | 0.32 | 0.3 | 0.003 | 0.0027 | 750 | 550 |
| | 5 | | 34 | | | | | | | | | | |
| | | | 20 | | | | | | | | | | |
| WGT9 | 5 | 5 | 38 | 122 | 94.3 | 1.3 | 0.979 | 0.42 | 0.4 | 0.0045 | 0.0043 | 1000 | 790 |
| | | | 28 | | | | | | | | | | |
| WGT10 | 28 | 5 | | 181 | 122 | 1.87 | 1.54 | 0.46 | 0.45 | 0.0064 | 0.006 | 1300 | 900 |
| | 5 | | 38 | | | | | | | | | | |
| | | | 28 | | | | | | | | | | |
| WGT11 | 15 | 8 | | 245 | 191 | 4.53 | 3.35 | 0.52 | 0.5 | 0.0091 | 0.009 | 1600 | 1230 |
| | 8 | | 32 | | | | | | | | | | |
| WGT12 | 8 | 8 | 45 | 343 | 276 | 7.64 | 5.65 | 0.71 | 0.7 | 0.015 | 0.014 | 2600 | 1900 |
| | | | 32 | | | | | | | | | | |

# ◎ WGT型 接中间套鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension（JB/T7004–2007）

| 型号 Type | 公称转矩 Nominal torque Tn（kN.m） | 许用转速 Allowable speed [n] (r/min) | 轴孔直径 Diameter of the axis hole d1、d2 | 轴孔长度 Length of axis hole L | | D | D1 | D2 | D3 | D4 | B | B1 | F | H min |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Y | J1 | mm | | | | | | | | |
| WGT13 | 125 | 2500 | 140,150 | 252 | 202 | 490 | 480 | 425 | 400 | 320 | 235 | 136 | 50 | 205 |
| | | | 160,170,180 | 302 | 242 | | | | | | | | | |
| | | | 190,200,220 | 352 | 282 | | | | | | | | | |
| WGT14 | 180 | 2300 | 160,170,180 | 302 | 242 | 545 | 540 | 462 | 440 | 362 | 265 | 158 | 50 | 240 |
| | | | 190,200,220 | 352 | 282 | | | | | | | | | |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | |
| WGT15 | 250 | 2100 | 160,170,180 | 302 | 242 | 580 | | 488 | | 400 | 280 | | 50 | 240 |
| | | | 190,200,220 | 352 | 282 | | | | | | | | | |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | |
| | | | 280 | 470 | 380 | | | | | | | | | |
| WGT16 | 315 | 1900 | 180 | 302 | 242 | 650 | | 560 | | 440 | 300 | | 50 | 240 |
| | | | 190,200,220 | 352 | 282 | | | | | | | | | |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | |
| | | | 280,300 | 470 | 380 | | | | | | | | | |
| WGT17 | 400 | 1800 | 200,220 | 352 | 282 | 690 | | 600 | | 460 | 325 | | 50 | 280 |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | |
| | | | 280,300,320 | 470 | 380 | | | | | | | | | |
| WGT18 | 500 | 1700 | 220 | 352 | 282 | 750 | | 650 | | 510 | 350 | | 60 | 280 |
| | | | 240,250,260 | 410 | 330 | | | | | | | | | |
| | | | 280,300,320 | 470 | 380 | | | | | | | | | |
| | | | 340,360 | 550 | 450 | | | | | | | | | |
| WGT19 | 630 | 1600 | 240,250,260 | 410 | 330 | 775 | | 690 | | 535 | 372 | | 60 | 350 |
| | | | 280,300,320 | 470 | 380 | | | | | | | | | |
| | | | 340,360,380 | 550 | 450 | | | | | | | | | |
| WGT20 | 800 | 1500 | 260 | 410 | 330 | 825 | | 730 | | 580 | 392 | | 60 | 350 |
| | | | 280,300,320 | 470 | 380 | | | | | | | | | |
| | | | 340,360,380 | 550 | 450 | | | | | | | | | |
| | | | 400 | 650 | 540 | | | | | | | | | |
| WGT21 | 900 | 1300 | 280,300,320 | 470 | 380 | 925 | | 825 | | 620 | 405 | | 60 | 350 |
| | | | 340,360,380 | 550 | 450 | | | | | | | | | |
| | | | 400,420,440 | 650 | 540 | | | | | | | | | |
| WGT22 | 1000 | 950 | 320 | 470 | 380 | 950 | | 850 | | 665 | 410 | | 60 | 400 |
| | | | 340,360,380 | 550 | 450 | | | | | | | | | |
| | | | 400,420,440,450,460 | 650 | 540 | | | | | | | | | |
| WGT23 | 1120 | 900 | 360,380 | 550 | 450 | 1030 | | 900 | | 710 | 440 | | 60 | 400 |
| | | | 400,420,440,450,460,480,500 | 650 | 540 | | | | | | | | | |
| WGT24 | 1400 | 850 | 380 | 550 | 450 | 1060 | | 925 | | 730 | 450 | | 70 | 400 |
| | | | 400,420,440,450,460,480,500 | 650 | 540 | | | | | | | | | |
| | | | 520 | 800 | 680 | | | | | | | | | |



WGT crown gear coupling with intermediate tube

# ◎ WGT型 接中间套鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension（JB/T7004–2007）

| 型号 Type | C | | C1 | 质量 Weight kg | | 转动惯量 Moment of inertia kg.m² | | 每加长10mm的质量 Weight of the per additional 10mm length m/kg | | 每加长10mm的转动惯量 Moment of inertia of the per additional 10mm length I/kg.m² | | 润滑脂容量 Grease volume mL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | I | II | | I | II | I | II | I | II | I | II | I | II |
| | mm | | | | | | | | | | | | |
| WGT13 | 8 | 8 | 38 | 441 | 353 | 12.52 | 9.46 | 0.83 | 0.8 | 0.024 | 0.023 | 3300 | 2400 |
| | | | 32 | | | | | | | | | | |
| WGT14 | 10 | 10 | 32 | 596 | 483 | 21.21 | 16.4 | 0.96 | 0.95 | 0.037 | 0.035 | 4800 | 3700 |
| | | | 10 | | | | | | | | | | |
| WGT15 | 10 | | 43 | 758 | | 29.67 | | 1.03 | | 0.044 | | 5000 | |
| | | | 32 | | | | | | | | | | |
| | | | 10 | | | | | | | | | | |
| WGT16 | 12 | | 63 | 1043 | | 50.58 | | 1.5 | | 0.072 | | 7000 | |
| | | | 32 | | | | | | | | | | |
| | | | 12 | | | | | | | | | | |
| WGT17 | 12 | | 48 | 1191 | | 68.15 | | 2.5 | | 0.16 | | 8000 | |
| | | | 12 | | | | | | | | | | |
| WGT18 | 12 | | 73 | 1558 | | 74.99 | | 2.76 | | 0.22 | | 10000 | |
| | | | 25 | | | | | | | | | | |
| | | | 12 | | | | | | | | | | |
| WGT19 | 12 | | 45 | 1726 | | 129.5 | | 2.96 | | 0.27 | | 11000 | |
| | | | 12 | | | | | | | | | | |
| WGT20 | 14 | | 65 | 2302 | | 190.8 | | 3.16 | | 0.32 | | 13000 | |
| | | | 14 | | | | | | | | | | |
| WGT21 | 14 | | 30 | 2744 | | 280.8 | | 4.2 | | 0.5 | | 20000 | |
| | | | 14 | | | | | | | | | | |
| WGT22 | 14 | | 35 | 3102 | | 346.3 | | 4.47 | | 0.59 | | 26000 | |
| | | | 14 | | | | | | | | | | |
| WGT23 | 14 | | 14 | 3575 | | 459.7 | | 4.77 | | 0.88 | | 29000 | |
| WGT24 | 16 | | 16 | 4213 | | 560 | | 6.07 | | 1.02 | | 32000 | |

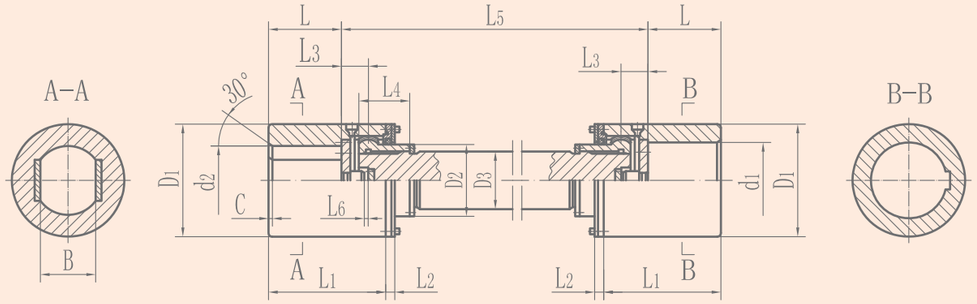
**注**：1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.

2.质量及转动惯量是按最大Y型轴孔和中间套长度Hmin时计算的近似值。
The weight and moment of inertia are approximate calculation value based on the maximum diameter of Y– axis hole and the minmum length of intermediate tube Hmin.

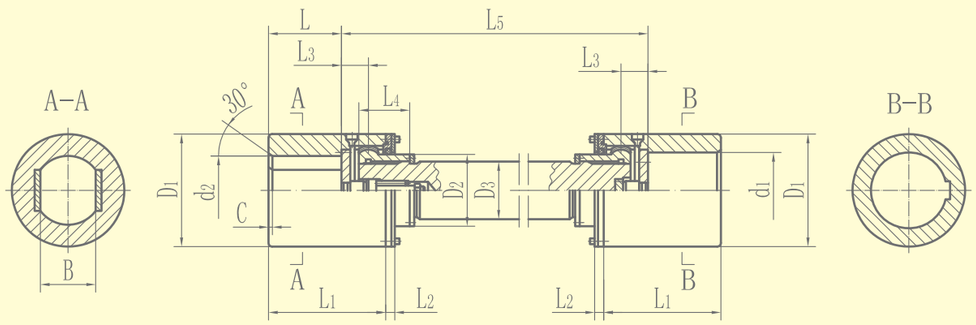
3.F为更换密封所需要的尺寸。
'F' is the required dimension when the sealing is exchanged.

# ◎ WGJ型 接中间轴鼓形齿式联轴器

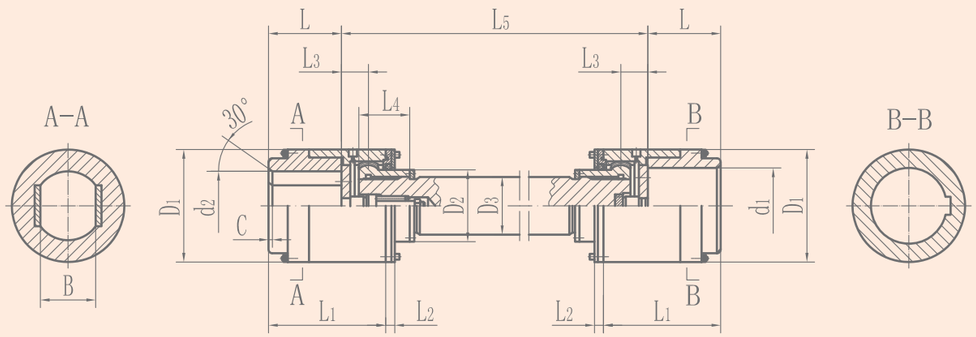
三豐傳動® ISO9001:2008 质量体系认证




A型(基本型)
A TYPE(Basic Type)




B型(轴向缓冲型)
B TYPE(Axial Buffer Type)




C型(内齿圈组合型)
C TYPE(Inner Gear Ring Combination Type)





# ◎ WGJ型 接中间轴鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension （GB/T26104-2010)

| 型号 Type | 公称转矩 Nominal torque Tn (kN.m) | 圆柱形轴孔尺寸 Dimension of cylindrical hole | | 扁孔形轴孔尺寸 Dimension of flat hole | | | D1 | D2 | D3 | L1 | L2 | L3 | L4 | L5 | L6 | C max | 质量 Weight kg | | 转动惯量 Moment of inertia kg.m² | | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | d1、d2 | L J型 | d2 max | L max | B max | | | | | | | | | | | L5min | 增长每米的质量 Increasing per additional meter | L5min | 增长每米的转动惯量 Increasing per additional meter | |
| | | mm | | | | | | | | | | | | | | | | | | | |
| WGJ1 | 6.3 | 60,63 | 107 | 80 | 132 | 60 | 130 | 85 | 70 | 170 | 30 | 35 | 90 | 500 | 3 | 8 | 46 | 30.2 | 0.05 | 0.018 | 150 |
| | | 65,70 | | | | | | | | | | | | | | | | | | | |
| | | 71,75 | | | | | | | | | | | | | | | | | | | |
| | | 80 | 132 | | | | | | | 195 | | | | | | | | | | | |
| WGJ2 | 11.2 | 70,71,75 | 107 | 100 | 167 | 75 | 160 | 110 | 90 | 175 | 30 | 40 | 110 | 500 | 3 | 10 | 76 | 49.9 | 0.28 | 0.05 | 250 |
| | | 80,85 | 132 | | | | | | | 200 | | | | | | | | | | | |
| | | 90,95 | | | | | | | | | | | | | | | | | | | |
| | | 100 | 167 | | | | | | | 235 | | | | | | | | | | | |
| WGJ3 | 18 | 80,85 | 132 | 110 | 167 | 85 | 180 | 120 | 100 | 210 | 32 | 46 | 120 | 600 | 3 | 11 | 105 | 61.65 | 0.43 | 0.07 | 350 |
| | | 90,95 | | | | | | | | | | | | | | | | | | | |
| | | 100,110 | 167 | | | | | | | 245 | | | | | | | | | | | |
| WGJ4 | 25 | 80,85 | 132 | 125 | 167 | 95 | 200 | 140 | 110 | 220 | 32 | 50 | 140 | 600 | 3 | 12 | 140 | 74.6 | 0.73 | 0.158 | 450 |
| | | 90,95 | | | | | | | | | | | | | | | | | | | |
| | | 100,110 | 167 | | | | | | | 253 | | | | | | | | | | | |
| | | 120,125 | | | | | | | | | | | | | | | | | | | |
| WGJ5 | 31.5 | 90,95 | 132 | 140 | 202 | 105 | 230 | 160 | 130 | 225 | 38 | 54 | 160 | 600 | 5 | 14 | 200 | 104 | 1.43 | 0.22 | 650 |
| | | 100,110 | 167 | | | | | | | 260 | | | | | | | | | | | |
| | | 120,125 | | | | | | | | | | | | | | | | | | | |
| | | 130,140 | 202 | | | | | | | 295 | | | | | | | | | | | |
| WGJ6 | 50 | 110,120 | 167 | 160 | 242 | 120 | 260 | 180 | 140 | 287 | 38 | 82 | 180 | 800 | 5 | 16 | 280 | 121 | 2.56 | 0.296 | 900 |
| | | 130 | 202 | | | | | | | 322 | | | | | | | | | | | |
| | | 140,150 | | | | | | | | | | | | | | | | | | | |
| | | 160 | 242 | | | | | | | 362 | | | | | | | | | | | |
| WGJ7 | 63 | 140,150 | 202 | 190 | 282 | 140 | 280 | 200 | 160 | 336 | 38 | 85 | 200 | 800 | 5 | 19 | 380 | 158 | 4.26 | 0.501 | 1400 |
| | | 160 | 242 | | | | | | | 376 | | | | | | | | | | | |
| | | 170,180 | | | | | | | | | | | | | | | | | | | |
| | | 190 | 282 | | | | | | | 416 | | | | | | | | | | | |
| WGJ8 | 80 | 160,170 | 242 | 200 | 282 | 160 | 300 | 220 | 180 | 392 | 44 | 95 | 220 | 1000 | 5 | 20 | 480 | 200 | 6.02 | 0.81 | 1800 |
| | | 180 | | | | | | | | | | | | | | | | | | | |
| | | 190,200 | 282 | | | | | | | 432 | | | | | | | | | | | |
| WGJ9 | 100 | 170,180 | 242 | 220 | 282 | 170 | 330 | 230 | 200 | 392 | 44 | 95 | 230 | 1000 | 5 | 22 | 550 | 247 | 7.95 | 1.24 | 2100 |
| | | 190,200 | 282 | | | | | | | | | | | | | | | | | | |
| | | 220 | | | | | | | | 432 | | | | | | | | | | | |
| WGJ10 | 125 | 190,200 | 282 | 240 | 330 | 180 | 355 | 250 | 220 | 442 | 51 | 98 | 250 | 1000 | 5 | 24 | 720 | 298 | 12.7 | 1.8 | 2500 |
| | | 220 | | | | | | | | | | | | | | | | | | | |
| | | 240 | 330 | | | | | | | 490 | | | | | | | | | | | |
| WGJ11 | 200 | 190,200 | 282 | 260 | 330 | 200 | 410 | 290 | 240 | 457 | 51 | 106 | 280 | 1200 | 5 | 26 | 1110 | 355 | 25.95 | 2.56 | 3000 |
| | | 220 | | | | | | | | | | | | | | | | | | | |
| | | 240,250 | 330 | | | | | | | 505 | | | | | | | | | | | |
| | | 260 | | | | | | | | | | | | | | | | | | | |
| WGJ12 | 315 | 240,250 | 330 | 300 | 380 | 220 | 460 | 320 | 260 | 518 | 57 | 112 | 300 | 1200 | 6 | 30 | 1480 | 417 | 43.43 | 3.52 | 4000 |
| | | 260 | | | | | | | | | | | | | | | | | | | |
| | | 280,300 | 380 | | | | | | | 568 | | | | | | | | | | | |
| WGJ13 | 450 | 280,300 | 380 | 340 | 450 | 250 | 510 | 360 | 300 | 596 | 57 | 136 | 340 | 1400 | 6 | 34 | 2020 | 555 | 71.76 | 6.24 | 5200 |
| | | 320 | | | | | | | | | | | | | | | | | | | |
| | | 340 | 450 | | | | | | | 666 | | | | | | | | | | | |
| WGJ14 | 560 | 300,320 | 380 | 360 | 450 | 280 | 560 | 400 | 320 | 628 | 64 | 145 | 380 | 1500 | 6 | 36 | 2600 | 631 | 114.4 | 8.1 | 6500 |
| | | 340,360 | 450 | | | | | | | 698 | | | | | | | | | | | |
| WGJ15 | 710 | 340,360 | 450 | 400 | 540 | 300 | 610 | 430 | 350 | 716 | 64 | 160 | 400 | 1500 | 6 | 40 | 3300 | 755 | 178 | 11.6 | 8000 |
| | | 380 | | | | | | | | | | | | | | | | | | | |
| | | 400 | 540 | | | | | | | 806 | | | | | | | | | | | |

# ◎ WGJ型 接中间轴鼓形齿式联轴器

三豐傳動® ISO9001:2008 质量体系认证

基本参数和主要尺寸 The parameter and main dimension （GB/T26104–2010)

| 型号 Type | 公称转矩 Nominal torque Tn（kN.m) | 圆柱形轴孔尺寸 Dimension of cylindrical hole | | 扁孔形轴孔尺寸 Dimension of flat hole | | | D1 | D2 | D3 | L1 | L2 | L3 | L4 | L5 | L6 | C max | 质量 Weight kg | | 转动惯量 Moment of inertia kg.m² | | 润滑脂容量 Grease volume mL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | d1、d2 | L J型 | d2 max | L max | B max | | | | | | | | | | | L5min | 增长每米的质量 Increasing per additional meter | L5min | 增长每米的转动惯量 Increasing per additional meter | |
| | | mm | | | | | | | | | | | | | | | | | | | |
| WGJ16 | 900 | 360,380 | 540 | 420 | 650 | 320 | 660 | 460 | 380 | 842 | 64 | 172 | 440 | 1600 | 10 | 42 | 4300 | 890 | 272 | 16 | 10000 |
| | | 400,420 | 680 | | | | | | | 942 | | | | | | | | | | | |
| WGJ17 | 1120 | 400,420 | 680 | 460 | 650 | 350 | 710 | 500 | 420 | 964 | 64 | 182 | 480 | 1800 | 10 | 46 | 5500 | 1090 | 392 | 24 | 12000 |
| | | 440,450 | | | | | | | | | | | | | | | | | | | |
| | | 460 | | | | | | | | | | | | | | | | | | | |
| WGJ18 | 1250 | 420,440 | 680 | 500 | 650 | 380 | 760 | 540 | 460 | 990 | 76 | 195 | 520 | 2000 | 10 | 50 | 6700 | 1310 | 553 | 35 | 15000 |
| | | 450,460 | | | | | | | | | | | | | | | | | | | |
| | | 480,500 | | | | | | | | | | | | | | | | | | | |
| WGJ19 | 1600 | 440,450 | 680 | 530 | 800 | 400 | 810 | 580 | 500 | 1005 | 76 | 215 | 540 | 2000 | 10 | 53 | 8350 | 1540 | 805 | 48 | 16500 |
| | | 460,480 | | | | | | | | | | | | | | | | | | | |
| | | 500 | | | | | | | | | | | | | | | | | | | |
| | | 530 | 780 | | | | | | | 1155 | | | | | | | | | | | |
| WGJ20 | 2000 | 450,460 | 680 | 560 | 800 | 420 | 860 | 600 | 530 | 1031 | 76 | 225 | 560 | 2000 | 10 | 56 | 9500 | 1730 | 1024 | 61 | 18500 |
| | | 480,500 | | | | | | | | | | | | | | | | | | | |
| | | 530,560 | 780 | | | | | | | 1181 | | | | | | | | | | | |
| WGJ21 | 2240 | 480,500 | 680 | 600 | 800 | 450 | 910 | 650 | 560 | 1056 | 76 | 236 | 600 | 2500 | 10 | 60 | 11500 | 1930 | 1334 | 75.66 | 21000 |
| | | 530,560 | 780 | | | | | | | 1206 | | | | | | | | | | | |
| | | 600 | | | | | | | | | | | | | | | | | | | |
| WGJ22 | 2800 | 530,560 | 780 | 630 | 800 | 480 | 965 | 680 | 600 | 1230 | 82 | 246 | 640 | 2500 | 13 | 63 | 12600 | 2220 | 1621 | 99.9 | 24000 |
| | | 600,630 | | | | | | | | | | | | | | | | | | | |
| WGJ23 | 3150 | 560,600 | 780 | 670 | 900 | 500 | 1000 | 710 | 630 | 1250 | 82 | 265 | 680 | 2500 | 13 | 67 | 17900 | 2450 | 2579 | 122 | 27000 |
| | | 630 | | | | | | | | | | | | | | | | | | | |
| | | 670 | 880 | | | | | | | 1350 | | | | | | | | | | | |

**注**： 1.产品以实际计算设计为准。
The figure must subject to actual calculation and design.

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，如需要两端均可为圆柱形。
The hole type for the coupling: Normally, the cylindrical hole is used in the drive side and the flat hole used in the driven side. Both sides can select cylindrical hole if necessary.

3.型号WGJ1–WGJ15如需Y型轴伸允许按GB/T3852选用。
The shaft connection dimension can select according to the standard GB/T3852 if the Y type shaft need be used for the type WGJ1 –WGJ15.

4.扁孔形轴孔时，d2和B的极限偏差为H9。
The limit deviations of 'd2' and 'B' is H9 if the flat hole is used.

5.质量及转动惯量是按圆柱形轴孔最大直径且中间轴长度L5min计算的近似值。
Weight and moment of inertia is according to the cylindrical shaft hole diameter and the length of the intermediate shaft L5min approximation calculation.



## 螺纹紧固件预紧力矩推荐值

Recommended value of preloaded torque of thread fasteners

N · m

| 螺纹规格dxp | 8.8级 | 10.9级 | 12.9级 |
|---|---|---|---|
| M6 | 6 | 8 | 10 |
| M8X1 | 14 | 20 | 25 |
| M10X1 | 45 | 65 | 80 |
| M12X1.5 | 80 | 110 | 130 |
| M14X1.5 | 130 | 180 | 220 |
| M16X1.5 | 195 | 275 | 330 |
| M18X1.5 | 280 | 400 | 480 |
| M20X1.5 | 400 | 570 | 680 |
| M22X1.5 | 520 | 735 | 880 |
| M24x2 | 650 | 920 | 1100 |
| M27x2 | 940 | 1340 | 1600 |
| M30x2 | 1350 | 1900 | 2280 |
| M33x2 | 1700 | 2440 | 2930 |
| M36x2 | 2200 | 3150 | 3800 |

**注**：螺栓的机械性能应符合GB/T3098.1的规定，螺母的机械性能应符合GB/T3098.4的规定。
**Note**: the mechanical capacity of bolts should be accorded with GB/T3098.1 and the mechanical capacity of nuts should be accorded with GB/T3098.4.