

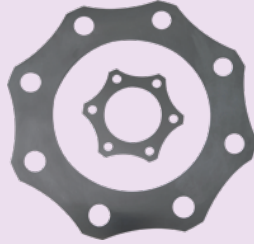
## 产品应用 Applications

C 系列金属挠性膜片联轴器, 适用于高温、高速、有腐蚀环境工况, 主要应用在泵、风机、压缩机的轴系传动

C series flexible metal laminated membrane coupling are widely used in high temperature ,high speed and corrosive environment. Mainly used on the shaft driving of pumps,fans and compressors

## 结构特点 Structure Features

不锈钢膜片设计	Stainless steel membranes
无润滑性	No lubrication
补偿和吸收两轴间的相对位移	Compensate and absorb the movement between two shafts
温度可达 300	Temperature up to 300
符合标准 API671 及 JB/T9147	In accordance with standard API671 and JB/T9147



## 型号说明 Type description

每一套C系列联轴器的型号均由五个部分组成:

Each C series couplings ' type consists of 5 parts

①系列代号: CS,CO,CJ,CD

Code: CS,CO,CJ,CD

②D,S,L 分别表示膜片的孔数为 4, 6, 8

D,S,L separately indicates hole number 4,6,8

③每千转传递功率数值Q。

Transmitting rating Q(in KW/1000 rev/min

④主从动机轴端配合轴径和长度以分式表示。分子表示主动机, 分母表示从动机。

Formula indicates: Driving and driven machinery shaft end combined with shaft position and length.

Where, numerator indicates driving machine; denominator indicates driven machine

⑤主从动轴间距 (D.B.S.E)

Distance between shafts end(D.B.S.E)

主从动轴间距 (D.B.S.E)

示例 Example

C S D 160 80 × 160 180  
① ② ③ ④ ⑤  
60 × 120

## 产品选型 Type Selection

### 步骤1 Step1

参照下表选择一个合适的工况系数

Select a suitable factor with the help of the table below

### 步骤2 Step2

按照下列公式确定每转联轴器的功率

Determine the coupling rating (in KW/rev/min) from the following formula :

$$\text{功率 Rating} = \frac{P \times F}{N}$$

P 代表功率 Where P is power in kW

F 是工况系数 F is service factor

N 是轴转速 N is shaft speed in rev/min.

### 步骤3 Step3

从数据表格的功率栏中读出联轴器的规格

Read off the coupling size for the rating as shown in the table

### 步骤4 Step4

复核主从动轴径尺寸是否在这些规格限定区域内, 如超出请升级

Check whether the dimensions of driving and driven shafts are within the range of limited area. If beyond please update

### 步骤5 Step5

如果可能, 使用轴间距 (D.B.S.E) 的标准长度

Specify the distance between shaft ends(D.B.S.E) using a standard length if possible

## 工况系数 SERVICE FACTORS

负载类型 Duty	电动机、蒸汽机、燃气轮机 Electric motor Steam engine or Gas turbine	原动机、蒸汽机、水轮机 Prime mover Steam engine or Water turbine	蒸汽机、内燃机 Steam engine Oil engine
<b>扭矩恒定 Constant Torque</b> 离心泵、轻型皮带输送机、交流发电机、轻型风机、离心压缩机 e.g centrifugal pumps,light conveyors alternators ,light fans,centrifugal compressors	1.0*	1.5	3.0
<b>扭矩波动轻微 Slight Torque Fluctuations</b> 机床、螺杆压缩机、螺杆泵、液环式压缩机和旋转干燥机 e.g machine tools,screw compressors,screw pumps,liquid ring compressors ,rotary dryers	1.5	2.0	3.0
<b>扭矩波动较大 Substantial Torque Fluctuations</b> 往复泵、低粘度的搅拌机、起重机和绞盘机 e.g reciprocating pumps,low viscosity mixers,cranes,winches	2.0	2.5	4.0
<b>扭矩波动特大 Exceptionally High Torque Fluctuations e.g rotary</b> 回转式冲床、往复压缩机、高粘度搅拌机、船用螺旋桨 presses,reciprocating compressors, high viscosity mixers,marine propellers	3.0	3.5	5.0

\* \* 用齿轮箱传动为 1.25, 用电机直接启动为 1.5, 按 API 671 要求则为 1.75

\* \* \* Driven by gear box the factor 1.25,set off by power engine the factor is 1.5,according to API 671 adopting 1.75