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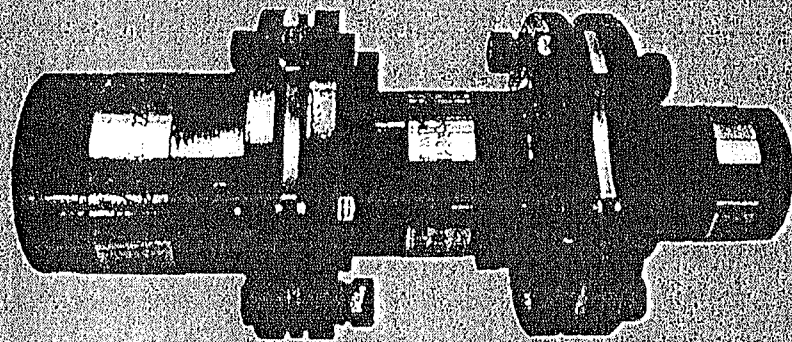
国家专利
PATENTED BY STATE

国家推广
STATE TO DISSEMINATE AS A FAVORABLE

产品
PRODUCT

说明书
INSTRUCTION MANUAL

箭升系列膜片联轴器
DIAPHRAGM COUPLINGS OF RISING ROCKET SERIES



大连佳特联轴器有限公司
DALIAN JIA TE COUPLING LTD COMPANY
ISO9001 国际质量体系认证企业
CORP. OF ISO9001 INTERNATIONAL QUALITY SYSTEM

公司简介

大连佳特联轴器有限公司（原大连挠性叠片联轴器厂）是一个具有二十多年历史的现代化生产膜片联轴器的现代化管理企业。拥有1万多平方米的生产基地，是国内最大的生产联轴器的企业之一。是目前国内知识产权最多、挠性叠片系列联轴器产品种类最全的生产企业。我公司拥有独特的专业研发和创新能力，产品有上百种类型，几十万套的成功业绩，在机械传输和液压领域具有丰富的经验，有完整的配套设备、精密的工装量具和能满足用户需要的生产能力。2000年被中国通用机械协会吸收为成员企业。

“箭升”牌系列挠性叠片联轴器共分九大系列，（98年注册商标）是我公司的主导产品，99年至09年先后共获国家三项设计发明专利，六项实用新型专利，四项外观设计专利。填补了国内空白，是国内唯一一家生产联轴器具有国家设计发明专利知识产权的企业。产品在国际同行业中具有世界领先水平，从89年起，先后应用在大亚湾核电站、中国实验快堆工程、秦山核电站、岭澳核电站、印度撒伽迪电厂、印度督伽坡电厂、俄罗斯电站等大项目上，运行二十年左右从未出现过质量问题。近期又接到国内外在建和待建的二十多家核电站的采购订单，如红沿河核电站、阳江核电站、昌江核电站、宁德核电站、防城港核电站、石岛湾核电站等。我公司在国内外享有较高的知名度和良好的信誉，被评为“重合同，守信用”单位，联轴器产品获得国内外用户的赞誉、认可和好评。

我公司的服务宗旨是“质量第一，信誉第一，快捷服务”。我们对产品的要求是：与国内外同类产品相比达到“你无我有，你有我精”，并力争做到不断地对新产品进行研制、开发与创新，生产出能与客户新产品相配套的新型联轴器。我们愿意与新老客户携手并进，为核电、冶金及石化工业、高尖端技术的振兴与发展做出更大的努力。

Company brief introduction

Our company is located in Dalian, which is a beautiful coastal city. Dalian is in Liaodong Peninsula in China, with highly developed air, sea and land transport. Dalian Jia Te Coupling Ltd company (the predecessor of Dalian flexible laminated coupling factory) is a high-tech private enterprise for more than 20 years and is specialized in producing flexible couplings. The company has moved to Paoai New Industrial District after restructuring, covering a total area of 18,700 square meters, workshop of more than 10,000 square meters. She is the largest company that is engaged in domestic coupling production. Our company has a unique capacity of research and development of products. The products are divided into hundreds of types, leading to thousands of successful performance. Furthermore, our company has plenty of experience in the area of machinery transmission and hydraulic field. In addition, the company has a strong production capacity with intact equipment and precise measuring tool. She became a member of China General Machinery Association in 2000.

The brand "Rising Rocket" DNL series of flexible laminated diaphragm coupling consists of seven series. 98-year registered trademark is my company's leading product, 99 years to 2009 the country has three design SERAP invention patents, utility models six patents, four design patents, due to a number of patented products R & D. This invention was awarded the prize for design patent in China and filled up the blank of our country. Therefore, she is honored as the only company with a coupling production, which gained the design patents for inventions of intellectual property rights of enterprises. Since 1989, our products have applied to the Daya Bay Nuclear Power Station, China's experimental fast reactor project, Qinshan nuclear power plant, Ling Ao Nuclear Power Station, India, Sa Jiadi power plants, India, Durgapur power plant, Russia's power plants and other large projects, to run twenty years, never had quality problems. Recently we have received domestic and abroad construction of nuclear power plants to be built more than 20 prototype purchase order, such as the Hongyanhe Nuclear Power Plant, Yangjiang Nuclear Power Station, Changjiang nuclear power stations, Ningde nuclear power stations, Fangchenggang nuclear power stations, Shidao Bay nuclear power plant. Since our company has a good reputation and performance, the products made by us were highly recognised and praised by customers.

Since our company was established, we have taken the kernel ideal of "Quality First, Credit First, Rapid Service". Our aim is to reach "we produce the products that you can not produce, and we produce better products than that you produced" compared with the same type of the products in the world. We will do our best to design and develop new products continuously to meet the needs of our customers. Finally, our company is willing to go hand in hand with new and old customers and make good efforts in the metallurgical revitalization and the development of petrochemical industries.

膜片联轴器安装步骤：

1、安装前应首先检查主动机和工作机两轴是否同心，两轴表面是否有包装纸和碰伤、联轴器两个半联轴节内孔是否有杂物，内孔棱边是否有碰伤，如有应将轴、半联轴节清理干净，碰伤用细锉处理好。检查两个半联轴节的内孔直径和长度是否同主动机工作机的直径和轴伸长度尺寸及图纸与实物是否相符。一般选型时，让主动机和工作机端半联轴节长度小于轴伸长度5-80mm为好。

2、为了便于安装，最好是将两个半联轴节放在120-150℃的保温箱或油槽中进行预热，使内孔尺寸涨大很容易装上。安装后保证轴头不能凸出半联轴节端面，以齐平为好。

检测两半联轴节之间的距离：沿半联轴节的法兰盘两内侧测出3-4点的读数取平均值，及加长段与两个膜片组实测尺寸之和，两者误差控制在0-0.4mm范围之内。

3、找正：用百分表检测两半联轴节法兰盘端面和外圆跳动，当法兰盘外圆小于250mm时跳动值应不大于0.05mm；当法兰盘外圆大于250mm时，跳动值应不大于0.08mm，测量方法参见图1、图2。

4、安装螺栓：把螺栓从法兰盘小孔外侧穿入（隐螺型或隐螺型带保护的联轴器必须将螺栓底部的六角放在凹槽内），套入膜片组。从另一件法兰盘大孔外侧穿出套上缓冲套、弹性垫圈、扭上螺母，用扳手将螺母把紧，如图A、图10所示（隐螺型或隐螺型带保护式联轴器的螺母必须用套筒扳手将螺母把紧）。如安装不适或拆除更换，又不损伤轴及半联，请按图3至图7制作工具。安装完毕后，以转动自如无别劲为好，并将联轴器外部用机油涂刷一遍。

5、带保护型膜片联轴器，在安装前应检查保护层是否被撞凹，如有要及时处理好后再安装，参照平面图12以免将螺栓的方向及位置装错。

6、隐螺型联轴器的安装方法及步骤与膜片联轴器的安装步骤一样，只是在安装前后，参照一下平面图11，看一看各部件安装的位置与图是否一致。

7、操作工须知：在启动设备前应先检查联轴器的螺母是否有松动或脱落，如有要及时将螺母用扳手或套筒扳手把紧。应先空载启动设备1分钟后，将负载管线阀门打开；停机顺序相反。（请每月将联轴器外部用机油涂刷一遍或与设备配套喷漆）

带保护型膜片联轴器，当使用5年左右，如听到有哗啦声或叮当声时，要立即停机，说明膜片组的使用年限寿命已到，有断的现象出现，并及时通知维修工进行更换。

实践证明，如按上述说明及要求安装、维护、操作，膜片联轴器的日启动次数在1-5次，膜片组的使用寿命最少在5年以上。如不按说明书的要求进行安装、维护、操作，特别是螺栓方向装错使膜片组变形或原动机与工作机两轴心偏移过大，都会使膜片组提前损坏。

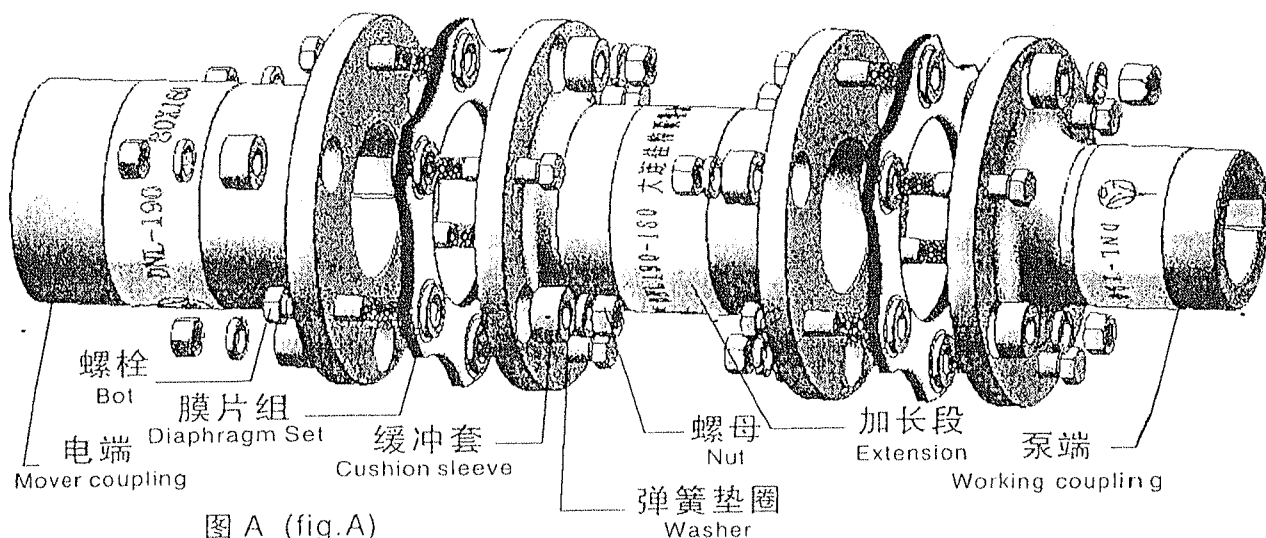


图 A (fig. A)

Installing Step of Diaphragm Coupling

1. Before installation check the coaxiality of both drivers' shaft and the shaft of working machine. If there is any packing paper and bump in the shafts, any foreign matter in the holes of both half-couplings, any wound on the edges of inner holes, clear them up and file with a fine file. Then, check whether the internal diameter and length of both half-couplings, agree with the diameter of shaft ends and length of shaft extensions of driver and working machine. When the models being selected in general, let the length of half-coupling at the driver and the working machine be slightly less than the shafts' extension by 5-80mm.

2. For the convenience of mounting, it is preferable both half-couplings in the oil bath or in the Incubator at 120-150 °C to expand the bore. In this way the couplings can be easily to be mounted. After mounting, it is ensured that the shaft end can not extend from the face of half-coupling. It is better if they are flush.

3. Alignment: Measure the end face and outside diameter runout of both half-couplings by use a dial gage. When the outer diameter of flange is less than 250 mm, the runout value should not be more than 0.05 mm. When the outside diameter of flange is more than 250 mm, the runout value should not more than 0.08 mm. For the measuring method, see Fig.1、Fig.2.

4. Mounting of bolts: Put a bolt into the smaller hole on one side of one flange from outside (to the type of bolt hiding of bolt hiding with protecting layer, we must put the six corners of bolt bottom into the slot), and push the diaphragm set. Take out from the hole on the other side of another flange, push the cushion sleeve, washers and nuts in, tighten up the nut with spanner (See ichnography A &12) (to the type of bolt hiding of bolt hiding with protecting layer, we must tight up the nut with sleeve spanner). After installing, rotate the coupling with hand. It is good if rotated freely and without any hardship. Apply oil to the outside of the coupling.

5. Before installing diaphragm coupling with protection, check if the protecting layer has been shoved a concave. If the concave has been shoved, it should be repaired immediately. (See ichnography A&12), in case not to install the bolt in a wrong way or place.

6. The installing method and steps of bolt hiding type are the same as diaphragm coupling, (see ichnography 11) before installing.

7. Information for operator: Before starting, it is necessary to check if there is any looseness or Falling of the nuts. If there is, tight it up in time. Start the equipment without loading for 1 min. And open the valve in the loaded line. Carry out the stoppage in revers order (Please apply oil to the outside of the coupling once a Mon).

Diaphragm coupling with protecting layer should be run for about five years. When you hear noises or tinkling, it means that the fixed number of year has come and some diaphragms had been parted. In this case, you should inform the maintenance worker to replace the old ones.

Practice proves that the coupling can be started 1-5 times per day. It should be correctly installed, maintained and operated according to the requirements in the manual. The diaphragms' life-span may be as long as 5 years at least. In case that the installation, maintenance and operation are not carried out as the requirements specified in the manual, especially in case of bolt setting in wrong direction, the diaphragm may become deformed, or it will result in bigger deviation of shaft centers between the driver and the working machine. All of the above will make the diaphragm out of order in advance.

产品编号说明：

Explication Of Product Number



DNL 180 $\frac{42 \times 82}{75 \times 140}$ -180 01 08 028

- 出厂顺序号
Order number
- 生产月份
Order month
- 2001年生产
Manufactured in 2001
- 主动机、工作机两轴端之间的距离
Distance between both shaft of mover and working machine
- 分子为工作机轴端直径和轴伸长度 分母为主动机轴端直径和轴伸长度
Numerator refers to diameter of shaft end and length of shaft extension of working machine denominator refers to diameter of shaft end and length of shaft extension of mover
- 产品型号 膜片联轴器外圆公称直径
Model of product nominsa diameter of ex. Circle of diaphragm coupling
- 系列号
Serial number
- 注册商标
Trade Mark

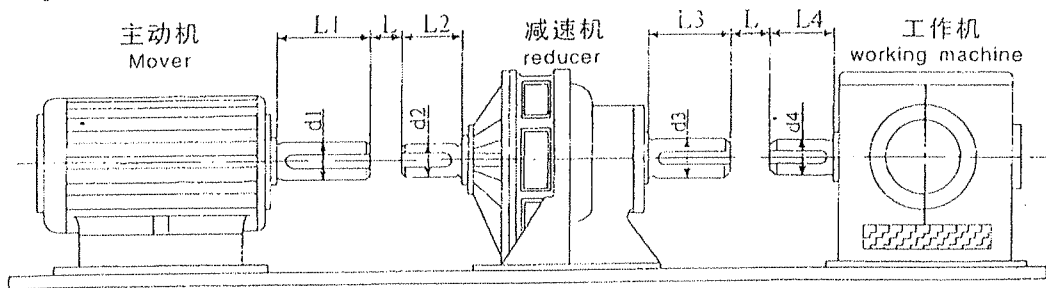
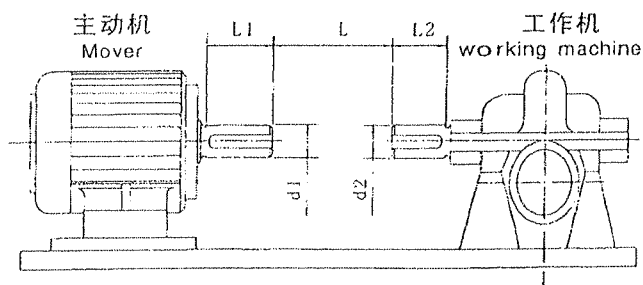
膜片联轴器定货所需七项数据

7 Data Necessary For Ordering Diaphragm Couplings

- 主动机功率(kw)、极数(或转速)
Porwer(kw)and No.of poles(or rotating speed)of the mover
- 主动机轴端直径(d1)和轴伸长度(L1)
Diameter of shaft end (d1) and length of shaft extension (L1) of the mover
- 工作机轴端直径(d2)和轴伸长度(L2)
Diameter of shaft end (d2) and length of shaft extension (L2) of the working machine
- 主动机与工作机两轴端之间的距离(L)
Distanc between both shaft ends of the mover and the working machinc

注：高压电机请注明

Annotate: Please give clear indication to highvoltage electric mechnery



检测两半联轴节法兰盘端面跳动

Measuring Runout On end Face Of flanges Of Both Half-couplings

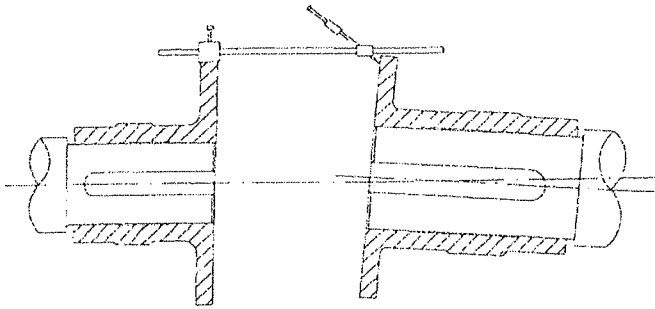


图 1 (fig.1)

检测两半联轴节法兰盘外圆跳动

Measuring Runout On end Face Of flanges Of Both Half-couplings

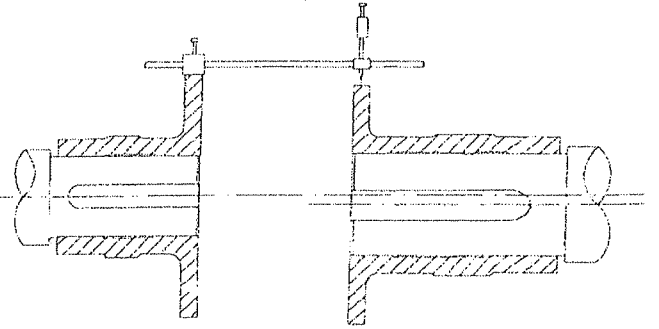


图 2 (fig.2)

为便于更换半联轴节，又不损坏电机轴和半联轴节，
请按下图准备工具，并按示意图步骤进行拆除。

To Change The Half-coupling Easily Without Damage To The Motors Shaft
And The Half-coupling Please Dismantle It As The Following And Prepare
Special Tools.

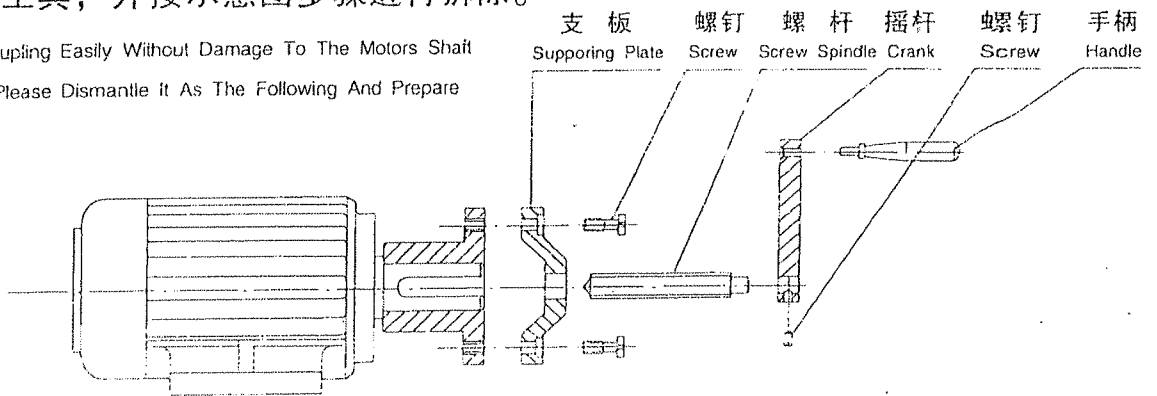


图 3 (fig.3)

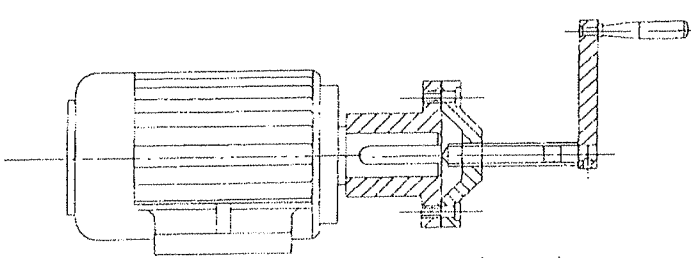


图 4 (fig.4)

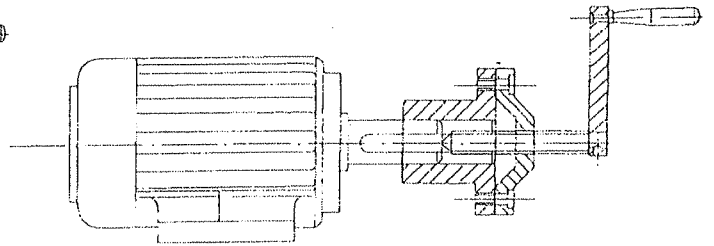


图 5 (fig.5)

丝扣半联轴节拆装工具示意图

Special Tools For Dismantling The Half-coupling
With Square Screw Thread

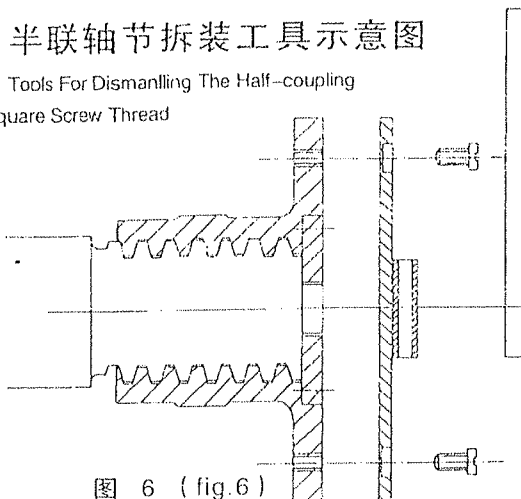


图 6 (fig.6)

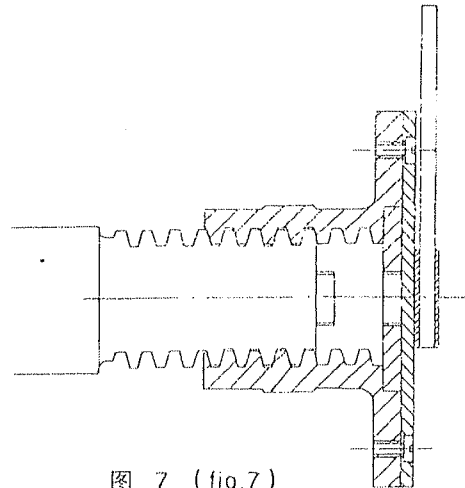


图 7 (fig.7)

各种类型挠叠式膜片联轴器

All Sorts of Flexible Laminated Couplings

加长型重叠弹性膜片联轴器

Overlap Flexible Diaphragm Coupling with Long Extension

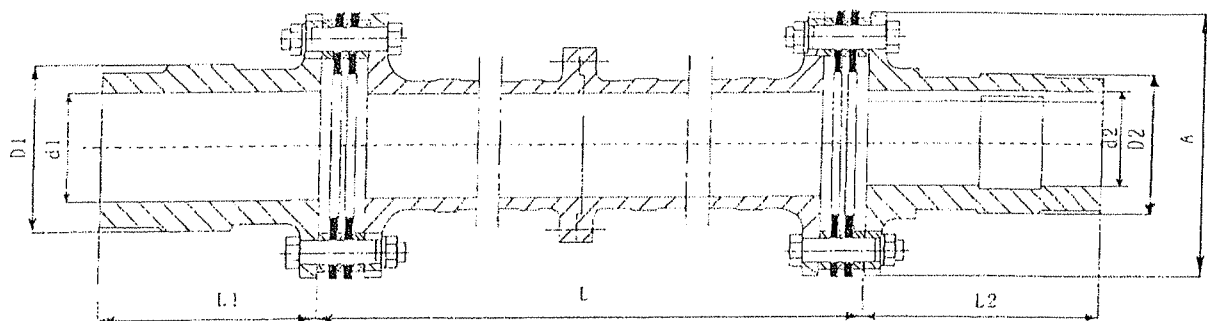


图 8 (fig.8)

不带加长段型膜片联轴器(加强型)

Diaphragm Coupling Without Extension (Strong Type)

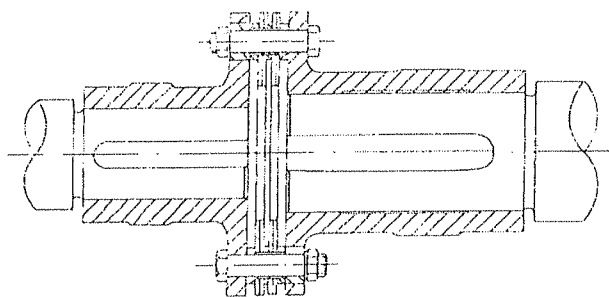


图 9 (fig.9)

带加长段型膜片联轴器

Diaphragm Coupling With Extension

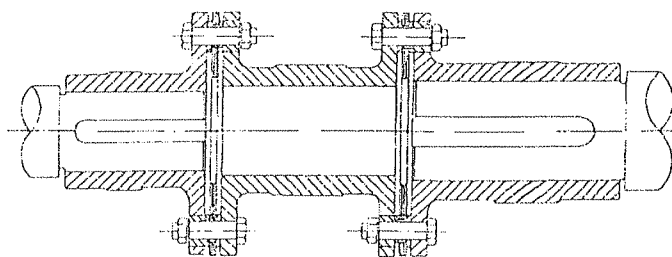


图 10 (fig.10)

隐螺型膜片联轴器

Diaphragm Coupling With Bolt Hidden

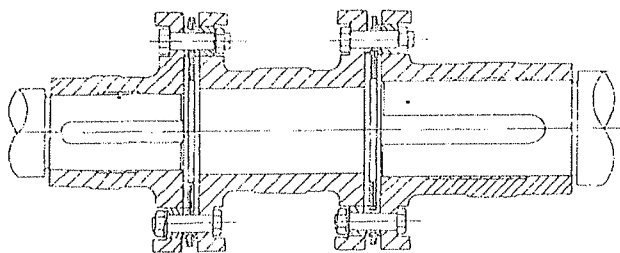


图 11 (fig.11)

带保护型膜片联轴器

Diaphragm Coupling With Protecting Layer

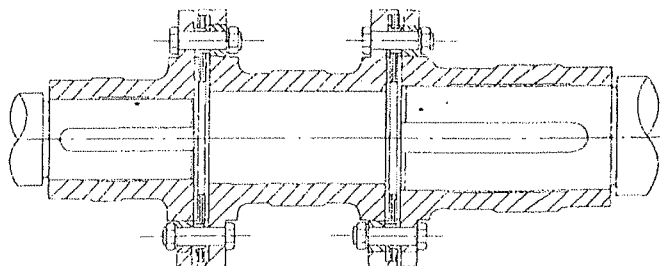


图 12 (fig.12)

下列轴都可配套生产挠叠式膜片联轴器

The Flexible Laminated Coupling Can Be Used For All Of These Shafts To Make A Complete Set

锥型轴式膜片联轴器

Cone Shaft Diaphragm Coupling

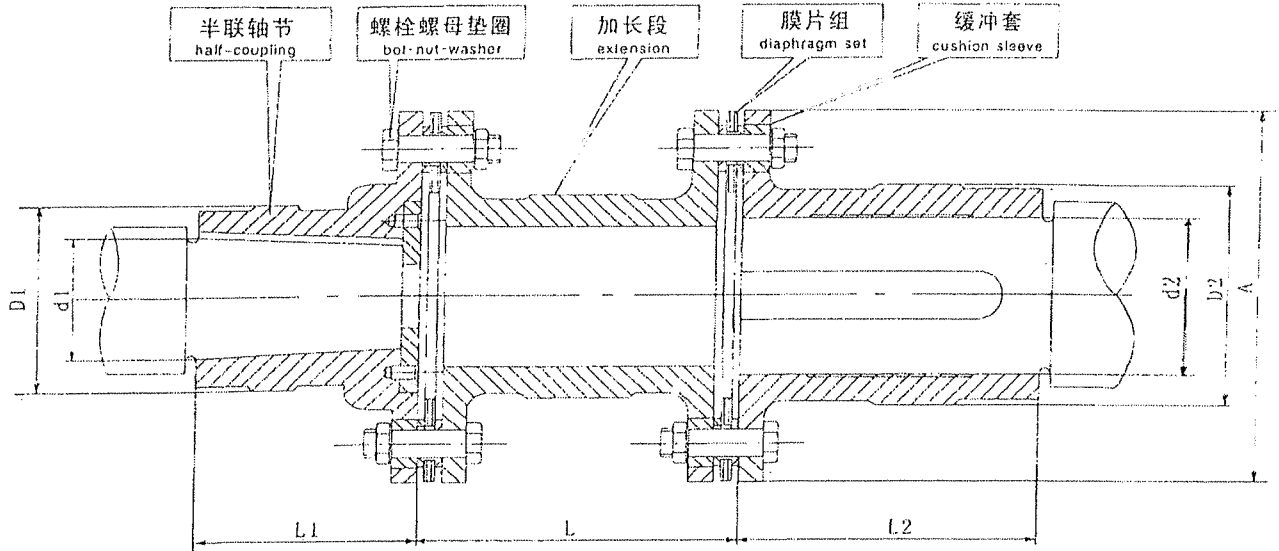


图 13 (fig.13)

各种丝扣轴式膜片联轴器

All Sorts Threaded Screw Shaft Diaphragm Coupling

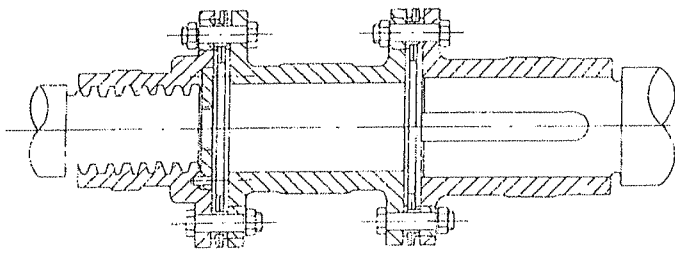


图 14 (fig.14)

不带加长段型膜片联轴器

Diaphragm Coupling Without Extension

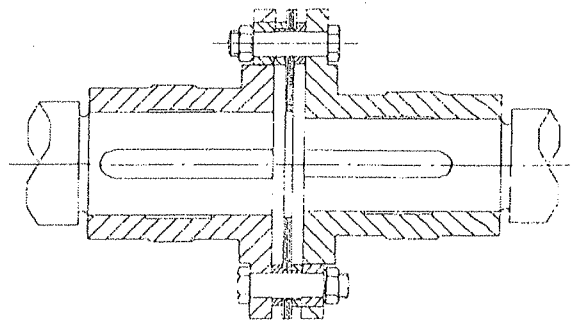


图 15 (fig.15)

一端插入型膜片联轴器

Diaphragm Coupling With Tnsertter at One End

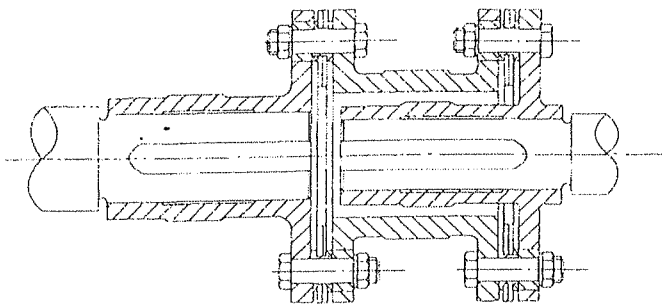


图 16 (fig.16)

两端插入型膜片联轴器

Diaphragm Coupling With Tnserters at Both Ends

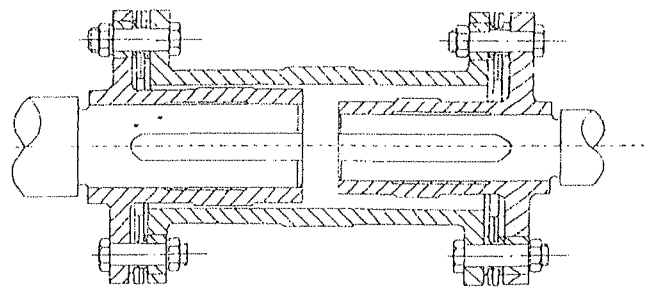


图 17 (fig.17)

联轴器近期部分使用单位及订货项目

大亚湾核电站	宜宾电厂	塞拉尼斯(南京)项目
岭澳核电站	俄罗斯电厂	南通大通宝富风机有限公司
岭东核电站	山西漳平娘子关电厂	烟台恒邦泵业有限公司
泰山核电站	山西关铝电厂	四川省石化总公司
红沿河核电站	洛阳孟津电厂	海南石油总公司
阳江核电站	俄罗斯西伯利亚石油公司	宝钢配套项目
昌江核电站	苏丹石油天然气公司	大庆石化公司
宁德核电站	阿尔吉利亚油田开发项目	广东茂名石化建设公司
防城港核电站	埃及硫磺制酸项目	浙江天德泵业有限公司
越南汪秘电厂	中国石油天然气股份有限公司	力必浩(上海)油脂设备有限公司
平海电厂	中国石化集团	浙江金鑫化纤有限公司
甘肃永昌电厂	天津大港石油管理局	湖南湘电长泵汨罗江制泵有限公司
双鸭山电厂	首钢京唐钢铁	山西威奇达药业有限公司
费县电厂	中国海上石油集团总公司	江都市江北泵业制造有限公司
荆门电厂	上海凯士比泵有限公司	四川东方电力设备联合公司
马钢电厂	沈阳鼓风机(集团)有限公司	淄博博山博科泵业有限公司
三河发电厂二期工程	沈阳透平机械核电总公司	江苏同纪电力水泵机械制造有限公司
白山热电	沈阳国特隆泵制造有限公司	扬子石化巴斯夫有限责任公司
国电石横	西安泵阀总厂有限公司	南通金通灵风机有限公司
国电黄金埠	鞍钢新轧股份有限公司	重庆水泵厂有限责任公司
珠海、汕尾、惠来电厂	北京金泰西岛科技有限公司	南通光大重机装备有限公司
印度撒伽迪电厂	安徽莱恩电泵有限公司	希杰(聊城)生物科技有限公司
印度督伽坡电厂	大连苏尔寿泵及压缩机有限公司	沂源县源能热电有限公司
印度ROSA电厂	大连市自来水集团	陕西中方泵业设备有限公司
海口电厂	大连冰山集团	神华宁厦煤业集团有限责任公司
烟台电厂	大耐泵业有限公司	大庆油田石油管理局
丰台电厂	大连海密梯克泵业有限公司	辽河油田有机化工股份有限公司
宝山电厂	淄博迈特汽轮机有限公司	上海通用泵机设备成套销售有限公司
澜山电厂	淄博水环真空泵厂有限公司	滕州腾密流体机械有限公司
裕中电厂	鹤岗煤矿管理局	成都万隆机电设备有限公司
华能鹤岗电厂	浙江水泵总厂有限公司	内蒙古毛乌素生物质热电有限公司
钦州电厂	上海水泵制造有限公司	沈阳市赛信动力设备有限公司
临河电厂	常州凯尔泵业制造有限公司	河南省石化总公司

其中由北京金泰西岛科技有限公司采购的膜片联轴器为日商指定产品。

公司承诺:

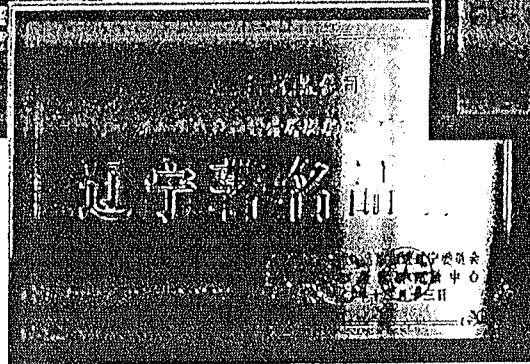
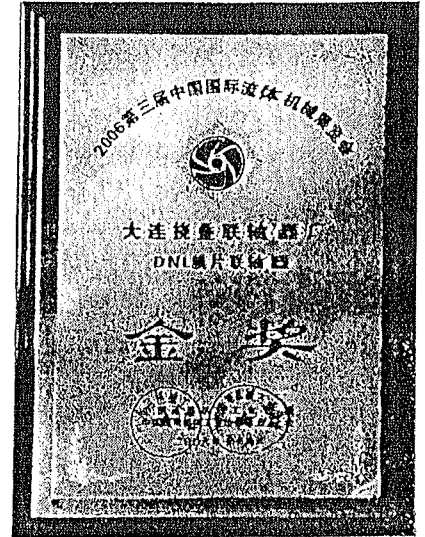
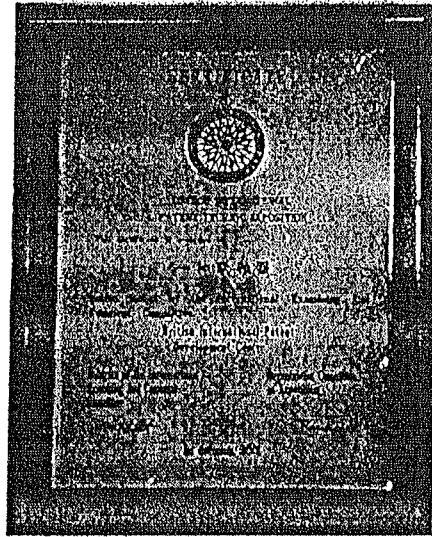
- 1、产品出厂合格率达100%。
- 2、产品保质期一年(请按说明书安装)。
- 3、按时发货:本省十五日内供货,外省及国外一个月内发货(特殊规格商订)。
- 4、执行标准:国内销售执行(GB3507、GB3852、GB3931、GB9239-88、ZB TJ19 022-90)国家标准;国外销售执行API671国际标准。

Our Promise:

- 1、100% pass rate of manufactured.
- 2、Warranty period of one year(product assembly in the light of installation manual please).
- 3、Delivery timely: In 15 days for provincial users, and in one month for other users at home or abroad (Otherwise negotiable for special order).
- 4、The standard accorded: (GB3507、GB3852、GB3931、GB9239-88、ZB TJ19 022-90) vendition standard within state; API671 international standard abroad.

企业荣誉

Enterprise honor



郑重声明:

我企业生产的“箭升”牌(已注册)挠叠式膜片联轴器,无论是外观造型,还是膜片联轴器的内部结构,现已获十一项国家专利,是国内唯一的生产企业。如有在两个半联轴节及加长段的外观部位宽窄厚薄不等的凸台或在台面上有电脑打字的出现,以及生产跟我企业相似结构的重叠、液压膜片联轴器及其装卸器,都属于仿造和侵权行为,我企业将依照《中华人民共和国专利法》依法追究其法律责任。

Solemn Declaration:

Both outward modeling and inner structure of the Brand Rising Rocket flexible laminated diaphragm couplings manufactured by our factory have been awarded 11 patents by the state. It is the only in China factory which produces such couplings with 11 patents awarded. In case of any boss of uneven broadness or thickness or data embodied by computer in any place of two half-couplings and their extensions, and in case of any couplings having similar structure with the products of our factory, they belong to a kind of counterfeit and constitute an infringement act. We will prosecute their legal responsibility according to Patent Law of PRC.

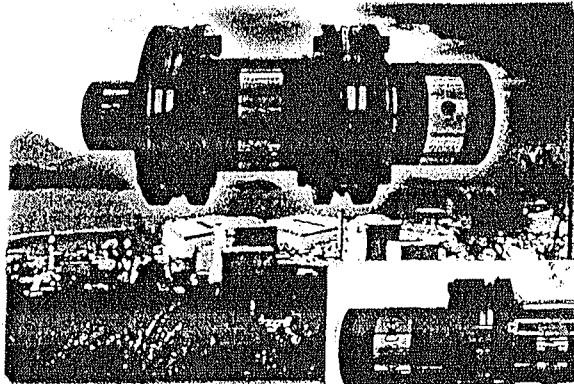
箭人升



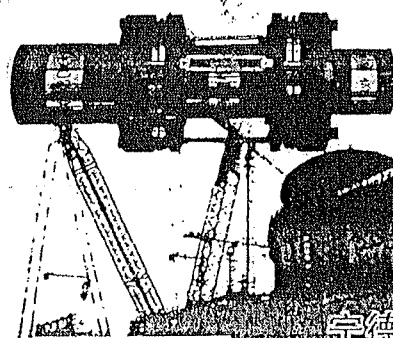
注册商标
TRADE MARK

部分核电联轴器展示

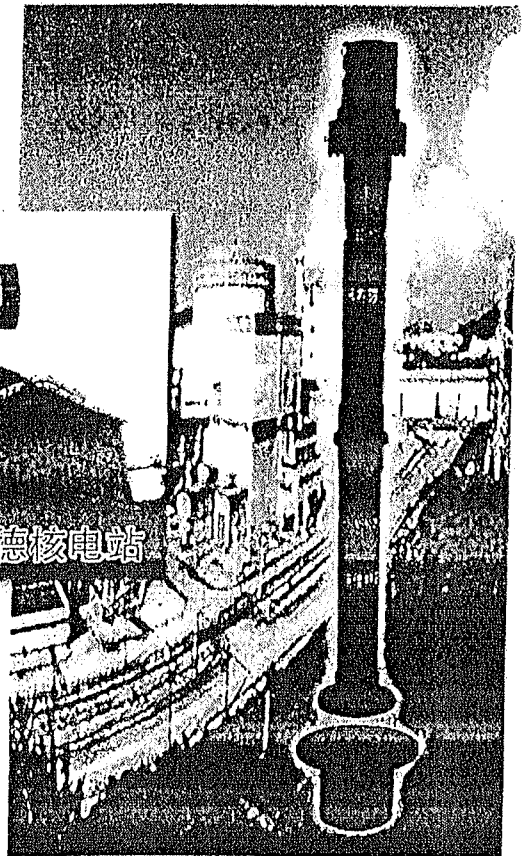
Part of nuclear coupling display



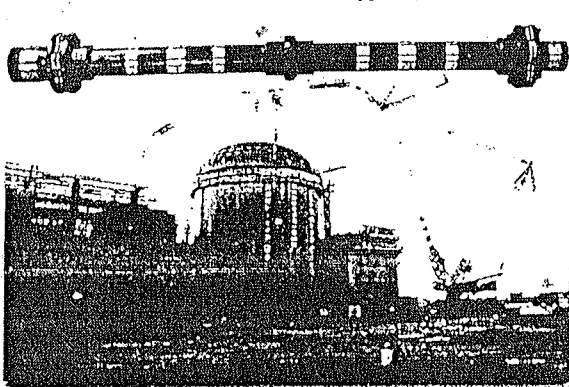
大亚湾核电站



宁德核电站



阳江核电站



红沿河核电站

大连佳特联轴器有限公司

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