



www.dlclx.cn

# JIANGYIN DELING GEARBOX



品质齿轮箱专业制造商  
Quality gearbox professional manufacturer

## 江阴市得灵机械有限公司 JIANGYIN DELING MACHINERY CO.,LTD

地址：江苏省江阴市峭岐工业园迎宾大道19号  
电话:0510-8657 3908-814  
手机:+86 139 1530 7777  
传真:0510-8657 7388  
网址：www.dlclx.cn  
邮箱：mck@dlclx.cn

Add: No.19 Yingbin Road Qiaoqi Industrial  
Park Jiangyin City, Jiangsu, China  
Tel:0510-8657 3908-814  
Mob:+86 139 1530 7777  
Fax:0510-8657 7388  
Web:www.dlclx.cn  
E-mail:mck@dlclx.cn



官方网站  
Official Website



企业公众号  
Enterprise WeChat Signal



微信号  
WeChat Signal

江阴市得灵机械有限公司  
JIANGYIN DELING MACHINERY CO.,LTD



匠之心，匠之品  
得灵传动，灵动全球

With Artisan Spirit, Gator Motor Core Service Global Clients  
Deling gearboxes&Lead the world

橡塑挤出行业齿轮箱领跑者  
Rubber and plastic extrusion industry gearbox leader

SLINENT'S CONTENT

企业篇 Enterprise Article

关于我们 About Us	01-02
发展历史 Development History	03-04
得灵荣誉 Deling Honor	05-06
团队风采 Team Style	07-08

生产篇 Production Article

生产能力 Production Capacity	09-12
仓储能力 Warehousing Capacity	13-13
合作伙伴 Cooperative partner	14-14

产品篇 Products Article

<b>塑料机械-锥形双螺杆系列</b> Plastic Machinery - Conical Twin Screw Series	
SZ系列异向锥双挤出机减速器 SZ Series Conical Twin Screw Gearbox	15
SZ-L系列异向锥双挤出机减速器 SZ-L Series Conical Twin Screw Gearbox	16
SZL系列立式联体异向锥双挤出机减速器 SZL Series Vertical Conical Twin Screw Gearbox	17
SJZ系列立式联体异向锥双挤出机减速器 SJZ Series Vertical Conical Twin Screw Gearbox	18
SZW系列卧式联体异向锥双挤出机减速器 SZW Series Horizontal Conical Twin Screw Gearbox	19
TSZ系列同向锥双挤出机减速器 TSZ Series Co-rotating Conical Twin Screw Gearbox	20
<b>塑料机械-平行双螺杆系列</b> Plastic Machinery - Parallel Twin Screw Series	
TPS/TPS-B系列同向平行双螺杆减速器 TPS/TPS-B Series Co-rotating Parallel Twin Screw Gearbox	21
YPS系列异向平行双螺杆减速器 YPS Series Counter-Rotating Parallel Twin Screw Gearbox	22
SLYP系列高扭矩异向平行双螺杆减速器 SLYP Series High Torque Counter-rotating Parallel Twin Screw Gearbox	23
<b>塑料机械-单螺杆系列</b> Plastic Machinery - Single Screw Series	
DJY系列高扭矩单螺杆挤出机减速器 DJY Series High Torque Single Screw Extruder Reducer	24
ZLYJ系列单螺杆挤出机减速器 ZLYJ Series Single Screw Extruder Reducer	25
<b>橡胶机械</b> Rubber Machinery	
XK系列开炼机齿轮箱/YM系列密炼机齿轮箱 XK Series Gearbox for The Open Type Mixing Mills/YM Series Gearbox for The Internal Mixer	26
<b>通用机械</b> General Machinery	
MBY/MBYX系列边缘传动磨机减速器 MBY/MBYX Series Edge-transmission Mill Gearbox	27
ZDY/ZLY/ZSY系列圆柱齿轮减速器 ZDY/ZLY/ZSY Series Cylindrical Gearbox	28





## 我们的优势 Our Advantage



### 领先的生产技术Technology

一系列突破性的创新给我们的公司和我们的产品多项殊荣。

A series of groundbreaking innovations give our company and our products a number of awards.



### 超强的开发能力Ability

特别注重行业难题的攻克，专攻一些技术难度高，工艺复杂的产品，满足客户高品质、高要求。

Special attention is paid to the challenges of the industry, specializing in some products with high technical difficulty and complicated process to meet the high quality and high requirements of customers.



### 服务于中高端市场Market

得灵在起步阶段就定位高端齿轮箱市场，凭借自身的技术优势，超强的新品开发能力，对品质的追求以及优良的服务，已赢得了一批长期发展的高端客户。

In the initial stage, Deling positioned the high-end gearboxes market. With its own technological advantages, superior new product development capabilities, quality pursuit and excellent service, it has won a group of high-end customers with long-term development.

## 关于得灵 ABOUT US



匠心出精品 勤奋创佳绩  
Expertly planned to boutique  
Diligence success  
www.dlclx.cn

20 年

公司拥有近20年齿轮箱设计制造经验。

DELING has nearly 20 years of experience in the design and manufacture of gear boxes.

15 项

得灵公司每年新增的国家专利超过15项

More than 15 new national patents are added every year.

1 亿元

公司年营业额破亿，累计销售齿轮箱破30,000台

The annual turnover of the company broke 100 million, and the total sales of gearboxes broke 30,000 units.

4 级

公司引进全球先进的格里森数控滚齿机、磨齿机及齿轮检测设备，加工和检测精度最高可达4级精度

DELING introduced the world's advanced Gleason CNC hobbing machine, gear grinding machine and gear testing equipment, machining and testing accuracy up to class 4.

No.1

得灵公司成功研发制造全球最大锥形双螺杆挤出机齿轮箱

DELING Successfully developed and manufactured the world's largest gearbox for conical twin screw extruders.

70 %

公司双螺杆齿轮箱产品占领全国超过70%市场，稳居销售榜首。

The company's twin screw gear box products occupy more than 70% markets nationwide, ranking the top of sales.

200 台

公司共拥有超过200台加工、检测设备，加工能力处于国内外领先水平。

DELING has more than 200 processing and testing equipment, its processing capacity is at the leading level at home and abroad.

150 名

公司拥有超过150名员工，打造了一支优秀、高效的研发，制造，销售及售后团队。

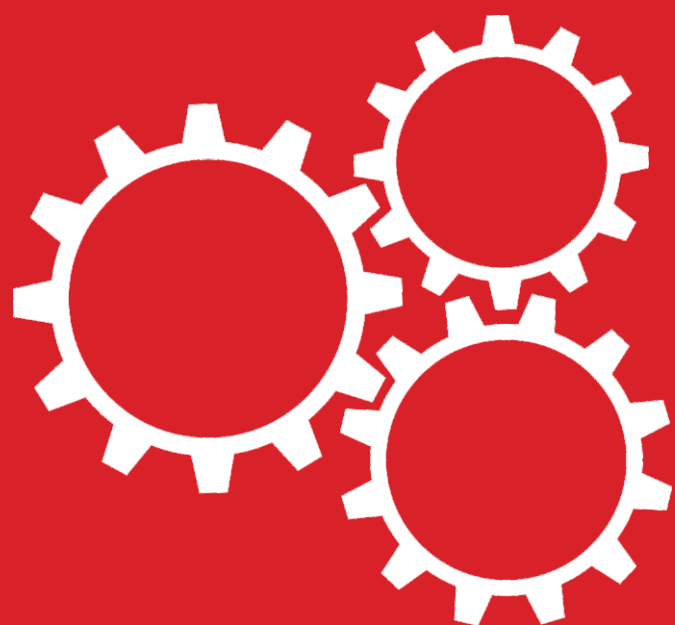
DELING has more than 150 employees, and has created an excellent, highly efficient R & D, manufacturing, sales and after-sales team.

ISO/CE

公司通过ISO9001：2008国际质量管理体系认证

得灵齿轮箱通过CE认证

Acquired ISO 9001：2008 International Quality Certification  
DELING gearbox has acquired CE certification



# DELING

专业成就品质  
Professional achievement quality

品质齿轮箱专业制造商  
Quality gearbox professional manufacturer

## 得灵大事记 Deling Events

### WE KEEP WORKING

我们一直在努力

**2016**

公司生产流程全面采用电脑化管理，持续引进国内外先进加工中心，加工设备持续更新换代  
Proceeded production process by E-management system, introduced advanced machining centers at home and abroad, continuous upgrading of processing equipments.



**2017**

成功研发制造全球最大锥形双螺杆挤出机齿轮箱  
Successfully developed and manufactured the world's largest gearbox for conical twin screw extruders.



**2016**

公司年营业额破亿，累计销售齿轮箱破30000台  
The annual turnover of the company broke 100 million, and the total sales of gearboxes broke 30000 units.



**2014**

公司被全国橡塑机械信息中心特聘为理事单位，并与青岛科技大学合作建成橡胶机械齿轮与传动工程研发中心。  
Company was appointed as the governing unit by the national rubber and plastic machinery information center, built R & D center of gear and Transmission Engineering Technology Department of rubber extruding machinery with QUST.



**2010**

购进全球先进德国格里森P600/800G数控成型磨齿机及齿轮检测设备  
Purchased German Gleason P600/800G CNC gear grinding equipment & high precision gear tester

**2008**

公司通过ISO9001：2008国际质量管理体系认证和CE认证  
Acquired ISO 9001: 2008 International Quality Certification & CE certification



**2002**

得灵公司成立于江苏江阴峭岐工业园  
DELING group established in Qiaoqi Industrial Park, Jiangyin, Jiangsu





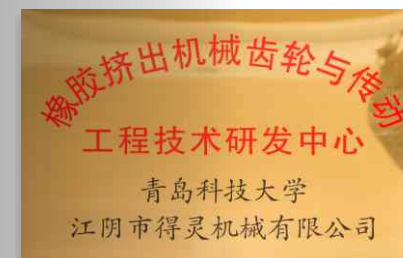
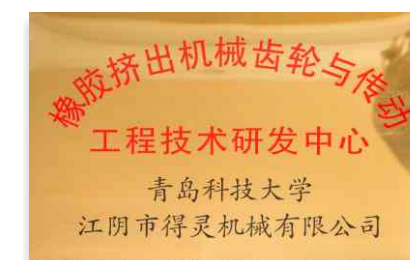
# DELING

品质定位市场  
Quality positioning market

## 得灵荣誉 Deling Honor

RISING ABRUPTLY BASED ON ITS  
ACCUMULATED STRENGTHS

凝炼锋芒 厚积薄发





## 团队风采 Teams



意气风发,斗志昂扬。公司所有部门均围绕企业的核心目标和谐运作,同时又充分发挥了各部门的内在潜能形成了灵动高效的企业内部局域网,确保了整个组织体系的各项指标的的实现,稳健的创造了连年快速增长的营运业绩。

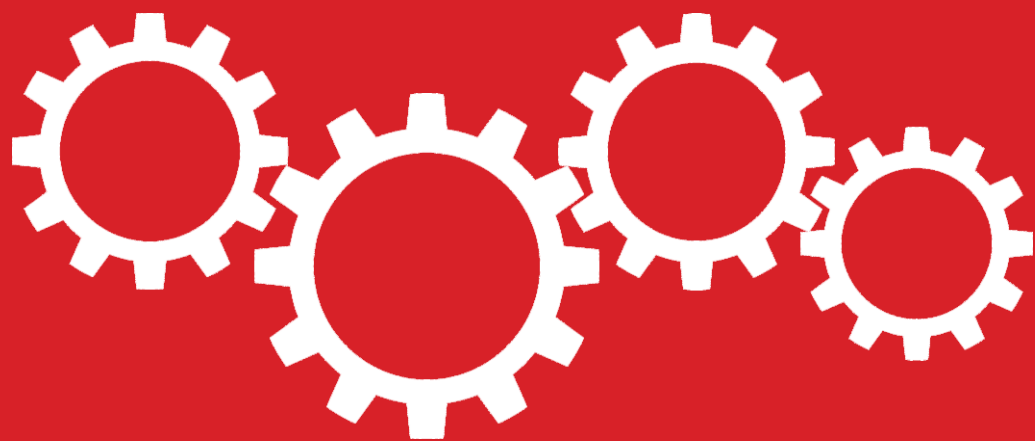
With vigour spirit, all departments of the company are working in harmony based on the enterprise's core objective. Meanwhile, all departments realize their full potential to form an high efficiency organization which ensures the various kinds of targets realization and creates a stable rapid growth of the business performance.





# DELING

市场决定未来  
Market determines the future



## 生产能力

Production Capacity

质量是企业的立足之本，优质的产品是企业打入国际市场的强大武器，我们为了创造至尊至优的产品，严把加工过程中的每一道环节，力求以一流的质量的产品应对激烈的市场竞争，从而使企业永远在行业的前列立足不败之地。

Quality is the foundation of the company. High-quality products are powerful weapons for enterprises to enter the international market. In order to create the most supreme products, we strictly control every link in the processing process and strive to respond to the fierce quality products with first-class quality. Market competition, so that enterprises will always be in the forefront of the industry.







严谨、务实、永不松懈的工作作风，根植于得灵的每一道工序中，得灵人高度负责的用心溶于每一个产品部件之中，加上先进的制造装备和严格的科学化管理，使每一个生产的成品经得住客户的精挑细选。

The rigorous, pragmatic and never-relaxing work style is rooted in every process of Deling, and the highly responsible and deliberately dissolved in every product component, coupled with advanced manufacturing equipment and strict scientific management, make each finished product pass the customer's careful selection.

## 生产能力 Production Capacity







## 仓储能力

Warehousing Capacity



## 合作伙伴

Partner



SZ Series Conical Twin Screw Gearbox  
SZ系列异向锥双挤出机减速器

● 特点及用途 Characteristics & Advantages

SZ锥形双螺杆挤出机齿轮箱是与锥形双螺杆挤出机配套的专用机械传动装置。传动箱采用JB/T9050.1-1999标准设计，齿轮和轴类零件采用高强度合金钢制造。齿轮经渗碳淬火磨齿，齿轮精度6级，齿面硬度HRC54-62.分配箱体为球墨铸铁材料。锥齿轮为20CrMnTi渗碳处理，齿轮滚齿采用数控滚齿切削，其锥角精度大大高于其他加工方式。所有油封皆采用进口产品。传动箱和分配箱内皆配有冷却盘管，用于润滑油冷却。

由于产品齿轮精度，轴承配置相对传统产品有新的改进，因而其总体性能指标要优于现行产品

SZ series conical twin-screw extruder gearbox is a special mechanical drive device designed to match with conical twin-screw extruder. This series gearbox is designed according to the standard of JB/T9050.1-1999. The gears are made of high strength alloy steel. The gear goes through the process of carburizing quenching heat hardening and gear grinding to achieve the precision of grade 6. Tooth hardness reach to HRC 54-62. The distribution box is Spheroidal graphite cast iron. The bevel gear is carburized using the material of 20CrMnTi, and the gear hobbing is numerically controlled. The precision of its cone angle is much higher than that of other machining methods. All oil seals are imported. Cooling coils are installed in transmission box and distribution box for lubricating oil cooling.

Because of the gear accuracy of the product, the bearing configuration has new improvements compared with the traditional products, so its overall performance index is better than the existing product.



SZ传动箱 SZ TRANSMISSION BOX



SZ分配箱 SZ DISTRIBUTION BOX

技术参数 Technical Parameter

规格 Size	输入功率 Power(KW)	输入转速 Input Speed(Rpm)	速比 Ratio(I)	输出转速 Output Speed(Rpm)	角度 Angle(°)	单轴输出扭矩 Single Shaft Torque(N.m)	单轴许用推力 Single Axle Allowable Thrust (KN)
35/71	11	1500	31.6	47.1	2°59′	1108	90
45/100	18.5	1500	33.5	44.8	2°37′12″	1972	100
50/105	22	1500	39.7	37.8	2°58′12″	2779	120
55/110	30	1500	40	37.5	2°36′14″	3820	130
65/132	37	1500	38.4	39.1	2°11′16″	4518	165
80/156	55	1500	38.8	38.7	2°00′18″	6786	210
92/188	110	1500	37.1	40.4	1°52′3.64″	13100	295

SZ-L Series Conical Twin Screw Gearbox  
SZ-L系列异向锥双挤出机减速器

● 特点及用途 Characteristics & Advantages

SZ-L锥形双螺杆挤出机齿轮箱是与锥形双螺杆挤出机配套的专用机械传动装置。整机采用立式分体结构设计，电机可安装在分配箱下部，空间利用更加合理。齿轮和轴类零件采用高强度合金钢制造。齿轮经渗碳淬火磨齿，齿轮精度6级，齿面硬度HRC54-62.分配箱体为球墨铸铁材料。锥齿轮为20CrMnTi渗碳处理，齿轮滚齿采用数控滚齿切削，其锥角精度大大高于其他加工方式。所有油封皆采用进口产品。传动箱和分配箱内皆配有冷却盘管，用于润滑油冷却。

由于产品齿轮精度，轴承配置相对传统产品有新的改进，因而其总体性能指标要优于现行产品。

SZ series conical twin-screw extruder gearbox is a special mechanical drive device designed to match with conical twin-screw extruder. The machine adopts vertical split structure design, the motor can be installed under the distribution box, and the space utilization is more reasonable. The gear goes through the process of carburizing quenching heat hardening and gear grinding to achieve the precision of grade 6. Tooth hardness reach to HRC 54-62. The distribution box is Spheroidal graphite cast iron. The bevel gear is carburized using the material of 20CrMnTi, and the gear hobbing is numerically controlled. The precision of its cone angle is much higher than that of other machining methods. All oil seals are imported. Cooling coils are installed in transmission box and distribution box for lubricating oil cooling.

Because of the gear accuracy of the product, the bearing configuration has new improvements compared with the traditional products, so its overall performance index is better than the existing product.



SZ-L立式传动箱 SZ-L TRANSMISSION BOX



SZ-L分配箱 SZ-L DISTRIBUTION BOX

技术参数 Technical Parameter

规格 Size	输入功率 Power(KW)	输入转速 Input Speed(Rpm)	速比 Ratio(I)	输出转速 Output Speed(Rpm)	角度 Angle(°)	单轴输出扭矩 Single Shaft Torque(N.m)	单轴许用推力 Single Axle Allowable Thrust (KN)
45/100	18.5	1500	36.6	41	2°21′	2150	100
50/105	22	1500	39.7	37.8	2°58′12″	2779	120
55/110	30	1500	40	37.5	2°36′14″	3820	130
65/132	37	1500	38.4	39.1	2°11′16″	4518	165
80/156	55	1500	39.8	37.7	2°00′18″	6786	210
80/172	90	1500	39.8	37.7	2°24′56″	11380	250
92/188	110	1500	37.1	40.4	1°52′3.64″	13100	295



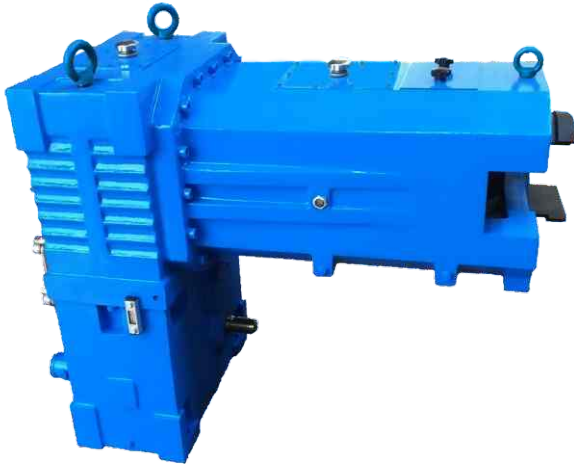
SZL Series Vertical Conical Twin Screw Gearbox

SZL系列立式联体异向锥双挤出机减速器

● 特点及用途 Characteristics & Advantages

SZL锥形双螺杆挤出机齿轮箱是与锥形双螺杆挤出机配套的专用机械传动装置。本产品在SZ锥双系列基础上进行改进，分配箱与传动箱一体化设计，具有结构紧凑、安装调试方便等优点。该装置可把主电机的动力，经传动箱减速增扭后输出至分配箱长轴，再通过一对1：1传动比的小锥角螺旋齿轮带动短轴。长短轴以与螺杆相同的夹角，以异向外旋的方式，带动螺杆挤出成型。

齿轮均采用高强度优质合金钢，经渗碳淬火后精密磨齿，齿轮精度6级以上，齿面硬度HRC54-62。箱体材质采用高品质球墨铸铁，铸后进行充分的去应力处理，箱体强度高，外形美观。所有油封皆采用进口产品，高速轴采用油封加机械密封双重密封处理，渗油率低。采用外置式强制润滑和钎焊板式换热器，冷却润滑系统可靠，运行温度低，日常维护方便。



SZL series conical twin-screw extruder gearbox is a special mechanical drive device designed to match with conical twin-screw extruder. This product is improved on the basis of SZ series. The integrated design of the distribution box and the transmission box has the advantages of compact structure, convenient installation and debugging. The device decelerates the speed and increases the torque of the power from master motor through gearbox before exporting it to the long shaft of distribution box that drives short shaft through a pair of slender cone screw gear with drive ratio of 1:1. Long shaft and short shaft drive short screw at the same angel as screw to extrude high-quality products in the way of different direction and outward turning.

The gears are made of high strength alloy steel. The gear goes through the process of carburizing quenching heat hardening and gear grinding to achieve the precision of grade 6, tooth surface hardness HRC54-62. The material of the box is made of high quality ductile iron. After casting, full stress treatment is carried out with high strength and beautiful appearance. All oil seals are imported, and the high speed shaft is treated with oil seal and mechanical seal, and the oil leakage rate is low. Using external forced lubrication and brazing plate heat exchanger, the cooling and lubricating system is reliable, the operating temperature is low, and the daily maintenance is convenient.

技术参数 Technical Parameter

规格 Size	输入功率 Power(KW)	输入转速 Input Speed(Rpm)	速比 Ratio(I)	输出转速 Output Speed(Rpm)	角度 Angle(°)	单轴输出扭矩 Single Shaft Torque(N.m)	单轴许用推力 Single Axie Allowable Thrust (KN)
45/100	18.5	1500	36.6	41	2°21′	2150	100
50/105	22	1500	39.7	37.8	2°58′12″	2779	120
55/110	30	1500	40	37.5	2°36′14″	3820	130
65/132	37	1500	38.4	39.1	2°11′16″	4518	165
80/156	55	1500	39.8	37.7	2°00′18″	6786	210
80/172	90	1500	39.8	37.7	2°24′56″	11380	250
92/188	110	1500	37.1	40.4	1°52′3.64″	13100	295

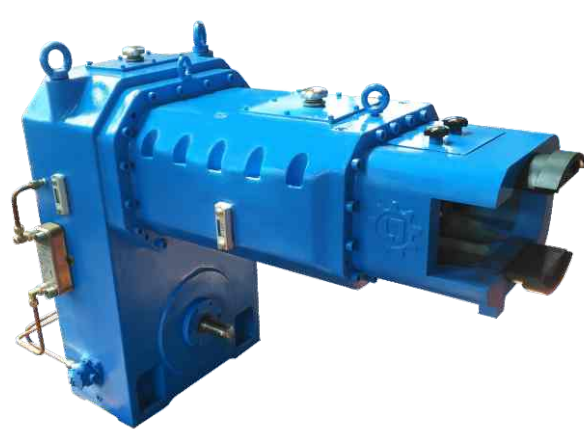
SJZ Series Vertical Conical Twin Screw Gearbox

SJZ系列立式联体异向锥双挤出机减速器

● 特点及用途 Characteristics & Advantages

SJZ锥形双螺杆挤出机齿轮箱是与锥形双螺杆挤出机配套的专用机械传动装置。本产品在SZ锥双系列基础上进行改进，分配箱与传动箱一体化设计，具有结构紧凑、安装调试方便等优点。该装置可把主电机的动力，经传动箱减速增扭后输出至分配箱长轴，在通过一对1：1传动比的小锥角螺旋齿轮带动短轴。长短轴以与螺杆相同的夹角，以异向外旋的方式，带动螺杆挤出成型。

齿轮均采用高强度优质合金钢，经渗碳淬火后精密磨齿，齿轮精度6级以上，承载力大，传动效率高，噪声小。箱体材质采用高品质球墨铸铁，铸后进行充分的去应力处理，箱体强度高，外形美观。所有油封皆采用进口产品，高速轴采用油封加机械密封双重密封处理，渗油率低。采用外置式强制润滑和钎焊板式换热器，冷却润滑系统可靠，运行温度低，日常维护方便。



SJZ series conical twin-screw extruder gearbox is a special mechanical drive device designed to match with conical twin-screw extruder. This product is improved on the basis of SZ series. The integrated design of the distribution box and the transmission box has the advantages of compact structure, convenient installation and debugging. The device decelerates the speed and increases the torque of the power from master motor through gearbox before exporting it to the long shaft of distribution box that drives short shaft through a pair of slender cone screw gear with drive ratio of 1:1. Long shaft and short shaft drive short screw at the same angel as screw to extrude high-quality products in the way of different direction and outward turning.

The gears are made of high strength alloy steel. The gear goes through the process of carburizing quenching heat hardening and gear grinding to achieve the precision of grade 6, The whole unit is small volume, high carry capacity, stable drive, low noise and high efficiency. The material of the box is made of high quality ductile iron. After casting, full stress treatment is carried out with high strength and beautiful appearance. All oil seals are imported, and the high speed shaft is treated with oil seal and mechanical seal, and the oil leakage rate is low. Using external forced lubrication and brazing plate heat exchanger, the cooling and lubricating system is reliable, the operating temperature is low, and the daily maintenance is convenient.

技术参数 Technical Parameter

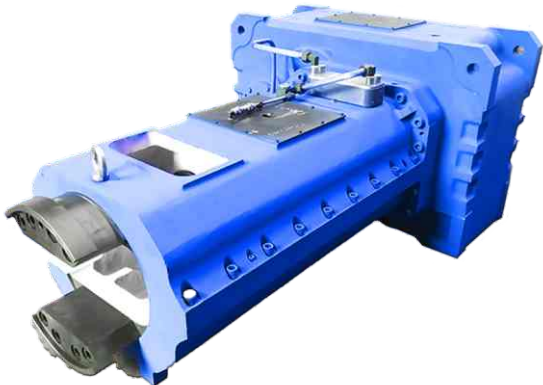
规格 Size	输入功率 Power(KW)	输入转速 Input Speed(Rpm)	速比 Ratio(I)	输出转速 Output Speed(Rpm)	角度 Angle(°)	单轴输出扭矩 Single Shaft Torque(N.m)	单轴许用推力 Single Axie Allowable Thrust (KN)
50/105	22	1500	39.7	37.8	2°58′12″	2779	120
55/110	30	1500	40	37.5	2°36′14″	3820	130
65/132	37	1500	38.4	39.1	2°11′16″	4518	165
80/156	55	1500	38.8	38.7	2°00′18″	6785	210
80/172	90	1500	38.8	38.7	2°24′56″	11100	250
92/188	110	1500	37.1	40.4	1°52′3.64″	13100	295

SZW Series Horizontal Conical Twin Screw Gearbox  
SZW系列卧式联体异向锥双挤出机减速器

● 特点及用途 Characteristics & Advantages

SZW锥形双螺杆挤出机齿轮箱是与锥形双螺杆挤出机配套的专用机械传动装置。本产品在SZ锥双系列基础上进行改进，分配箱与传动箱一体化设计，具有外形美观、结构紧凑、安装调试方便等优点。该装置可把主电机的动力，经传动箱减速增扭后输出至分配箱长轴，在通过一对1：1传动比的小锥角螺旋齿轮带动短轴。长短轴以与螺杆相同的夹角，以异向外旋的方式，带动螺杆挤出成型。

齿轮均采用高强度优质合金钢，经渗碳淬火后精密磨齿，齿轮精度6级以上，承载力大，传动效率高，噪声小。箱体材质采用高品质球墨铸铁，铸后进行充分的去应力处理，箱体强度高，外形美观。推力轴承置于箱体中部，在保证承受大推力的同时，使产品更加美观。所有油封均采用进口产品，高速轴采用油封加机械密封双重密封处理，渗油率低。采用外置式强制润滑和钎焊板式换热器，冷却润滑系统可靠，运行温度低，日常维护方便。



SZW series conical twin-screw extruder gearbox is a special mechanical drive device designed to match with conical twin-screw extruder. This product is improved on the basis of SZ series. The integrated design of the distribution box and the transmission box has the advantages of compact structure, convenient installation and debugging. The device decelerates the speed and increases the torque of the power from master motor through gearbox before exporting it to the long shaft of distribution box that drives short shaft through a pair of slender cone screw gear with drive ratio of 1:1. Long shaft and short shaft drive short screw at the same angel as screw to extrude high-quality products in the way of different direction and outward turning.

The gears are made of high strength alloy steel. The gear goes through the process of carburizing quenching heat hardening and gear grinding to achieve the precision of grade 6, The whole unit is small volume, high carry capacity, stable drive, low noise and high efficiency. The material of the box is made of high quality ductile iron. After casting, full stress treatment is carried out with high strength and beautiful appearance. The thrust bearing is placed in the middle of the box, which ensures the product to be more beautiful while guaranteeing the heavy thrust. All oil seals are imported, and the high speed shaft is treated with oil seal and mechanical seal, and the oil leakage rate is low. Using external forced lubrication and brazing plate heat exchanger, the cooling and lubricating system is reliable, the operating temperature is low, and the daily maintenance is convenient.

技术参数 Technical Parameter

规格 Size	输入功率 Power(KW)	输入转速 Input Speed(Rpm)	速比 Ratio(I)	输出转速 Output Speed(Rpm)	角度 Angle(°)	单轴输出扭矩 Single Shaft Torque(N.m)	单轴许用推力 Single Axie Allowable Thrust (KN)
65/132	37	1500	38.4	39.1	2°11'16"	4518	165
80/156	75	1500	38.8	38.7	2°00'18"	9253	210
92/188	110	1500	37.1	40.4	1°52'3.64"	13100	295
110/220	160	1500	37.4	40.1	1°47'42"	19052	427

TSZ Series Co-rotating Conical Twin Screw Gearbox  
TSZ系列同向锥双挤出机减速器

● 特点及用途 Characteristics & Advantages



TSZ系列同向锥形双螺杆齿轮箱减速器是与同向锥形双螺杆挤出机配套的专用机械传动装置。本产品采用分配箱与传动箱一体化设计，具有结构紧凑、安装调试方便等优点。

齿轮均采用高强度优质合金钢，经渗碳淬火后精密磨齿，齿轮精度6级以上，进行齿形齿向修形优化，承载力大，传动效率高，噪声小。箱体材质采用高品质球墨铸铁，铸后进行充分的去应力处理，箱体强度高，外形美观。所有油封均采用进口产品，高速轴采用油封加机械密封双重密封处理，渗油率低。采用外置式强制润滑和钎焊板式换热器，冷却润滑系统可靠，运行温度低，日常维护方便。

TSZ series co-rotating conical twin screw gearbox is a special mechanical drive device designed to match with conical twin-screw extruder. This product is improved on the basis of SZ series. The integrated design of the distribution box and the transmission box has the advantages of compact structure, convenient installation and debugging.

The gears are made of high strength alloy steel. The gear goes through the process of carburizing quenching heat hardening and gear grinding to achieve the precision of grade 6, going through tooth shape and tooth direction optimization, The whole unit is small volume, high carry capacity, stable drive, low noise and high efficiency. The material of the box is made of high quality ductile iron. After casting, full stress treatment is carried out with high strength and beautiful appearance. All oil seals are imported, and the high speed shaft is treated with oil seal and mechanical seal, and the oil leakage rate is low. Using external forced lubrication and brazing plate heat exchanger, the cooling and lubricating system is reliable, the operating temperature is low, and the daily maintenance is convenient.

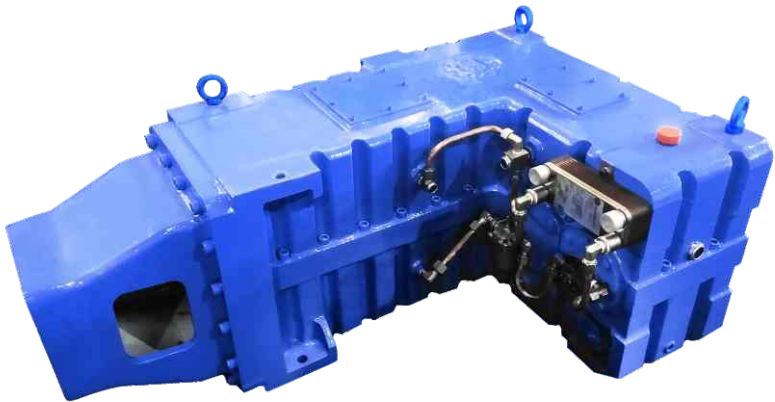
技术参数 Technical Parameter

规格 Size	传动功率 Power (KW)	输入转速 Input Speed (Rpm)	速比 Ratio(I)	输出转速 Output Speed (Rpm)	机头压力 Head Pressure(MPa)
TSZ48	37	1500	20	75	40
TSZ65	75	1500	20	75	40
TSZ85	160	1500	20	75	35
TSZ95	200	1500	20	75	35

### TPS/TPS-B Series Co-rotating Parallel Twin Screw Gearbox

#### TPS/TPS-B系列同向平行双螺杆减速器

##### ● 特点及用途 Characteristics & Advantages



TPS、TPS-B系列齿轮箱是一种与同向平行双螺杆挤出机相匹配的传动装置。齿轮是通过渗碳淬火硬化和高精度齿轮磨削工艺处理，其精度达到6级。超规格推力轴承安装在中空输出轴前端，保证在承受来自螺杆轴向推力过程中平稳运行。整机体积小，承载能力高，传动平稳，噪音低，效率高。

TPS, TPS-B series gearbox is a drive device designed to match with co-rotating parallel twin screw extruders. The gears are manufactured by way of carburizing quenching hardening, and gear grinding. Its precision is up to grade 6. Thrust bearing with over-specification is mounted on the front end of hollow output shaft to accommodate screw back pressure forces. The whole unit is small volume, high carry capacity, stable drive, low noise and high efficiency.

技术参数 Technical Parameter							
规格 Size	TPS (B)						
	23/30	42/50	52/65	60/75	68/80	78/92	82/100
输出转速 Output Speed(Rpm)	300-800	300-800	300-800	300-800	300-800	300-800	300-800
备注 Notes	TPS为高扭矩输出，单轴扭矩为TPS-B的2倍 TPS is a high torque output with a single shaft torque of 2 times compared with TPS-B.						

### YPS Series Counter-Rotating Parallel Twin Screw Gearbox

#### YPS系列异向平行双螺杆减速器

##### ● 特点及用途 Characteristics & Advantages

YPS异向平行双螺杆挤出机齿轮箱是与异向外旋平行双螺杆挤出机配套的硬齿面高精度传动装置。整机由减速箱和输出分配箱两部分组成，采用立式联体布置，主电机可布置在分配箱下方，结构紧凑美观。

传动部分采用超高强度合金渗碳钢材质，经过渗碳淬火，高精度磨齿工艺制造，关键零件增加了表面强化工艺。齿面硬度HRC54-62，芯部硬度HRC30-40，齿轮精度6级。箱体选用球墨铸铁材质，经多面切削加工，刚性好，外观平整美观。轴承采用德国INA公司和国内瓦轴，洛轴等不同轴承产品混合配置设计，兼顾了产品的可靠性和经济性。轴承的理论设计寿命在2-5万小时之间。外置式强制润滑和冷却系统，强化了润滑和冷却效果，运行可靠，便于维护。



YPS series gearbox is a drive device designed to match with inverted parallel twin screw extruders. The machine is composed of two parts of the reducer and the output distribution box, and the vertical joint arrangement is adopted. The main motor can be arranged under the distribution box and the structure is compact and beautiful.

The main parts are the material of super high strength alloy carburized steel, manufactured by way of carburizing quenching hardening, and gear grinding. The surface hardening process is added to the key parts. The hardness of the tooth surface is HRC54-62, and the hardness of the core is HRC30-40, Its precision is up to grade 6. thrust bearing with over-specification is mounted on the front end of hollow output shaft to accommodate screw back pressure force. The external forced lubrication and cooling system has enhanced the lubrication and cooling effect, and is reliable and easy to maintain.

技术参数 Technical Parameter							
中心距 Center Distance(mm)	螺杆直径 Screw Diameter(mm)	功率 Power(KW)	输入转速 Input Speed (Rpm)	速比 Ratio(I)	输出转速 Output Speed (Rpm)	单轴输出扭矩 Single Shaft Torque(N.m)	单轴许用推力 Allowable Thrust(KN)
55	φ65	22	1500	19.5	75	1400	110
64	φ75	37		33.7	44.5	3970	135
76	φ90	55		33.2	45.2	5252	156
		43		41.5	36.1		
90	φ107	90		33.1	45.3	8895	220
		70		41.9	35.8		
91.2	φ110	95		32.3	46.5	9780	240
		75		41	36.5		
93	φ115	80		41	36.5	10475	259
		102		33.3	45.1		
95	φ116	80		41	36.5	10809	259
		110		33.3	45.1		
104	φ120	160		33.2	45.2	11659	325
		124		43.8	34.3		
110	φ130	200		43.8	34.3	15000	325
132	φ160	200		38.6	38.9	24570	500



SLYP Series High Torque Counter-rotating Parallel Twin Screw Gearbox

SLYP系列高扭矩异向平行双螺杆减速器

● 特点及用途 Characteristics & Advantages



SLYP系列高扭矩异向平行双螺杆减速器是与异向外旋平行双螺杆挤出机配套的硬齿面高精度传动装置。整机由减速箱和输出分配箱两部分组成，采用立式联体布置，主电机可布置在分配箱下方，结构紧凑美观。

产品采用区别于YPS系列减速器的独特设计，整机采用超28个轴承支点，稳定性更优，单位体积输出扭矩处于国际领先水平，扭力通过齿轮分流后再合流，结构可靠，安全耐用。采用外置式强制润滑和冷却系统，强化了润滑和冷却效果，运行可靠，便于维护。

SLYP series high torque counter-rotating parallel twin screw gearbox is a drive device designed to match with inverted parallel twin screw extruders. The machine is composed of two parts of the reducer and the output distribution box, and the vertical joint arrangement is adopted. The main motor can be arranged under the distribution box and the structure is compact and beautiful.

The product adopts the unique design different from the YPS series reducer. The whole machine adopts super 28 bearing pivot, the stability is better, the output torque per unit volume is in the international leading level, the torque is split through the gear and then the structure is reliable, safe and durable. The external forced lubrication and cooling system has enhanced the lubrication and cooling effect, and is reliable and easy to maintain.

技术参数 Technical Parameter

型号 Model	输入转速 Input Speed (Rpm)	额定输入功率 PN (kw)					单轴输出扭矩 Single Shaft Torque(N.m)
		输出转速 Output Speed (Rpm)					
		20	30	40	50	60	
SLYP60	1.1	SLYP60	22	30	38	45	3580
SLYP61							
SLYP73							
SLYP77		SLYP61	40	54	67	80	6400
SLYP92							
SLYP110							
SLYP130							

DJY Series High Torque Single Screw Extruder Reducer

DJY系列高扭矩单螺杆挤出机减速器

● 特点及用途 Characteristics & Advantages



DJY系列高扭矩齿轮箱是专为单螺杆挤出机配套的硬齿面齿轮传动装置。该系列是我公司在国内先进齿轮设计制造技术的基础上，结合国外设计理念研发的新型高承载齿轮箱。产品外形新颖、具有结构紧凑、安装调试方便等优点，比国内同规格的ZLYJ齿轮箱高60%左右。

齿轮材料20CrNi2MoA，20Cr2Ni4，采用稀土低温渗碳工艺，使渗层晶粒度细化，力学性能大幅提高。齿轮全部使用德国格里森成型磨磨齿，齿顶、齿向双面修形，精度高，啮合性能好。箱体一体化设计，材质为高品质的球墨铸铁，强度高，外形美观。采用强制润滑和钎焊板式换热器，润滑系统可靠性高，运行温度低，日常维护方便。

DJY series high torque gear box is designed for single screw extruder. This series is a new type of high torque gear box developed on the basis of advanced domestic gear design and manufacturing technology in China, combined with the design and manufacturing concept of foreign countries. The product has the advantages of novel shape, compact structure, convenient installation and debugging and so on. It is about 60% higher than the domestic ZLYJ gear box with the same specification.

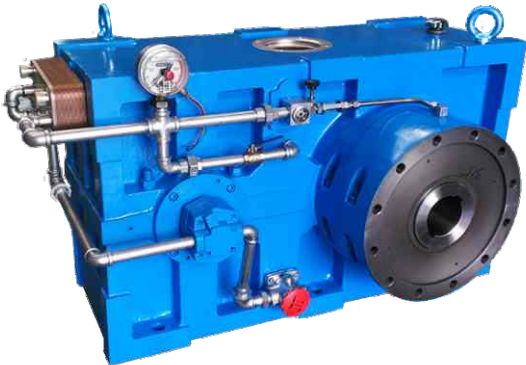
The gear material 20CrNi2MoA, 20Cr2Ni4, using the rare earth low temperature carburizing process to make the grain size of the permeable layer refined and the mechanical property to be greatly improved. All Germany Gleason molding gear tooth grinding, double tooth modification, high precision, good meshing performance. Integrated box design with high quality ductile iron with high strength and beautiful appearance. Using external forced lubrication and brazing plate heat exchanger, the cooling and lubricating system is reliable, the operating temperature is low, and the daily maintenance is convenient.

技术参数 Technical Parameter												
速比 Ratio(i)	输入转速 Input Speed (Rpm)	输出转速 Output Speed (Rpm)	DJY133	DJY146	DJY160	DJY180	DJY1200	DJY225	DJY250	DJY280	DJY320	DJY360
			P	P	P	P	P	P	P	P	P	P
6.3	1500	239	27	62	90	133						
	1000	159	18	35	62	90						
	750	119	14	33	47	69						
8	1500	188	34	51	71	100	124	178	245	434	575	750
	1000	125	23	35	49	69	86	123	170	297	395	512
	750	94	17.8	27	37	52	65	94	128	227	300	394
10	1500	150	30	43	61	80	96	140	194	342	455	593
	1000	100	20	29	42	54	65	97	134	235	312	406
	750	75	15.4	23	32	42	51	74	102	180	237	311
12.5	1500	120	20	34	49	66	77	113	149	249	378	477
	1000	80	14	23	34	45	52	77	102	171	258	327
	750	60	10.7	16.9	26	34	39	59	78	131	197	250
14	1500	107	17.1	30	41	60	38	98	135	226	335	452
	1000	71	11.8	20	28	41	46	68	92	154	230	309
	750	54	9	15.8	21	30	35	51	71	117	174	236
16	1500	94	16.3	26	34	52	60	86	119	182	305	371
	1000	63	11.3	18	23	35	41	59	81	125	208	253
	750	47	8.6	13.5	17.4	26	30	44	62	96	159	194
18	1500	83	14.3	23	30	41	55	78	99	182	268	323
	1000	56	10.1	15.7	21	28	37	53	68	125	182	221
	750	42	7.8	11.3	15.8	21	28	41	52	96	140	168
20	1500	75		19.1	29	37	50	70	93	158	246	303
	1000	50		13.5	19.1	25	34	47	64	109	168	207
	750	37.5		10	14.6	19.1	25	36	48	84	128	158

### ZLYJ Series Single Screw Extruder Reducer

#### ZLYJ系列单螺杆挤出机减速器

##### ● 特点及用途 Characteristics & Advantages



ZLYJ系列塑料橡胶挤出机专用减速机是为塑料、橡胶螺杆挤出机配套设计的高精度硬齿面带推力包的齿轮传动装置。产品设计参照JB/T9095.1-1999规定的各项技术规范。其特点是齿轮和轴类零件采用了高强度合金材质，齿轮经过渗碳、淬火、高精度数控磨齿工艺进行加工。齿轮精度为6级（GB1095-88）。齿面硬度HRC54-62。在空心输出轴前端配置有超规格推力轴承，承受螺杆工作时的轴向推力。整机具有体积小、结构紧凑、承载能力强、传动平稳、噪声低、传动效率高等特点。

箱体采用带筋的高刚性箱体，轴承和油封等主要标准件皆采用国内外优质产品，也可按用户需要选用指定品牌。整机具有承载能力大，耗能低，传动效率高，温升低,寿命长等特点。产品性能已达到国际先进水品，可替代同类进口产品使用。

ZLYJ series gearbox is a drive device with high-precision and hard tooth surface and thrust bearing designed to match with plastic/rubber single screw extruders, it is designed according to standard JB/T9095.1-1999. the main parts are made of high strength alloy steel. The gears are manufactured by way of carburizing & quenching hardening□and CNC gear grinding. Its precision is up to grade 6 (GB 1095-88), with tooth surface hardness HRC54-62. Thrust bearing with over-specification is mounted on the front end of hollow output shaft to accommodate screw back pressure forces. The whole unit is small volume, high carry capacity, stable drive, stable drive, low noise and high efficiency.

A high rigid gearbox housing is used with tendons in the housing. The main standard parts, such as bearing and oil seal, are all high quality products at home and abroad, it can be selected according to the needs of the user. The complete machine has the features of high loading capacity, Low energy consumption, high efficiency, steady transmission, low noise and low temperature rising and long life. The product has reached the international advanced quality and can replace the same kind of imported products.

技术参数 Technical Parameter																
规格 Model	ZLYJ 112	ZLYJ 133	ZLYJ 146	ZLYJ 173	ZLYJ 200	ZLYJ 225	ZLYJ 250	ZLYJ 280	ZLYJ 315	ZLYJ 330	ZLYJ 375	ZLYJ 395	ZLYJ 420	ZLYJ 450	ZLYJ 500	ZLYJ 560
输入功率 Power KW(4P)	15	22	31	39	55	83	75	125	171	215	260	288	330	330	450	600
输入功率 Power KW(4P)	8	8	10	10	12.5	12.5	16	16	16	16	20	16	16	20	20	20
螺杆直径 Screw Diamete(mm)	φ35	φ45/50	φ55	φ65	φ75	φ90	φ100	φ100/105	φ120	φ150/160	φ150/160	φ160	φ165	φ165	φ180	φ190

### XK Series Gearbox for The Open Type Mixing Mills

#### XK系列开炼机齿轮箱

##### ● 特点及用途 Characteristics & Advantages

开炼机齿轮箱是为开放式炼胶机(简称开炼机)配套的主齿轮箱，是高精度重载荷硬齿面齿轮箱。齿轮箱采用平行圆柱齿轮减速的传动形式。输入轴通过弹性联轴器与电机轴相联，由电机驱动，经过齿轮减速和两输出轴之间齿轮的减速与功率分流，两输出轴分别通过联轴器把动力传递给开炼机转子轴，带动开炼机转子进行炼胶。



XK series gearbox for the open type rubber mixing mills, is a kind of high precision, heavy duty and hardened tooth gearbox. For this gearbox, we adopt paralleled cylindrical gear to perform speed reduction. The input shaft is connected to the motor shaft through the flexible pin coupling. Driven by the motor, reduced by parallel shafts and power dividing between the two output shafts, two output shafts transfer the power to the rotor shaft of the roller mixing mill through the coupling, in such a manner, two rotor shafts of the roller mixing mill start to refine the rubber.

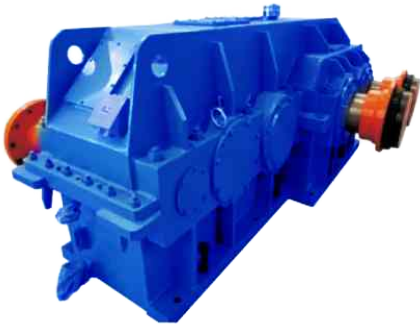
技术参数 Technical Parameter			
规格 Model	双输出轴中心距(mm) Double output shaft center distance	输出功率(KW) Output power	输出扭矩(Nm) Output torque
双进双出 Input of double ended and output of double ended	360/400/450/500/555/610/660/710	(2x) 18.5-132	9450-74400
单进双出 Input of single ended and output of double ended	360/400/450/560/610/660/665/710	37-315	11660-19100

### YM Series Gearbox for The Internal Mixer

#### YM系列密炼机齿轮箱

##### ● 特点及用途 Characteristics & Advantages

密炼机主齿轮箱是为密闭式炼胶机(以下简称密炼机)配套的主齿轮箱，是高精度重载荷硬齿面齿轮箱。密炼机主齿轮箱采用平行圆柱齿轮减速的传动形式。输入轴通过联轴器与电机轴相联，由电机驱动，经过齿轮减速和两输出轴之间齿轮的减速与功率分流，再通过联轴器把动力传递给密炼机转子轴，带动密炼机转子进行炼胶。



齿轮箱采用渐开线斜齿轮和滚动轴承，输入和输出密封结构采用油封和机械密封相结合的密封形式，保证密封安全可靠。润滑系统采用强制喷油润滑方式，小规格齿轮箱配有安装在齿轮箱箱体上的简易润滑装置，外观简洁美观，实用性强；大规格齿轮箱配独立稀油站润滑。

双输出轴中心距 (mm) Double Output Shaft Enter Distance	料筒容量 (L) Barrel Capacity
360/406/420/560	50/100/110/160/250/270/300

The main gearbox, namely closed type rubber refining machine(for short internal batch mixer)is a kind of high precision, heavy duty and hardened tooth product matched for main gearbox. For this gearbox, we adopt paralleled cylindrical gear to perform speed reducing. Through flexible coupling, the input shaft is connected to the motor shaft. Driven by the motor, reduced by parallel shafts and the gears between two output shafts and power dividing. The power now has been transmitted to rotor shaft of mixer by the crown coupling for the two output shafts separately. The two rotor shafts of the mixer refine rubber.

The gear box adopts involute helical gear and rolling bearing, and the sealing structure of the input and output seal adopts the seal form of oil seal and mechanical seal to ensure the safety and reliability of the seal. The lubrication system adopts the forced injection lubrication, the small gear box is equipped with a simple lubricating device installed on the gearbox box, the appearance is simple and beautiful, the utility is strong, and the large gear box is lubricated with the independent oil station.



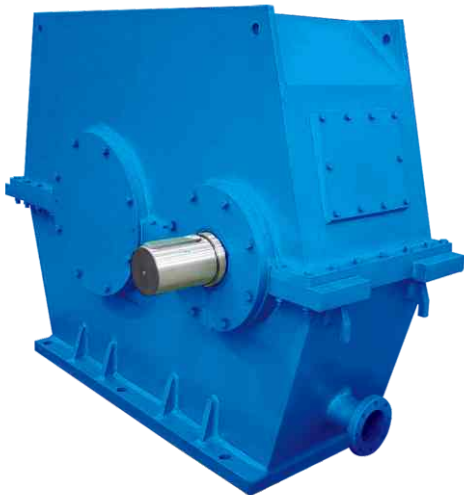
MBY/MBYX Series Edge-transmission Mill Gearbox

MBY/MBYX系列边缘传动磨机减速器

● 特点及用途 Characteristics & Advantages

MBY，MBYX系列边缘传动磨机减速器吸取了美国，日本，德国等同类产品的优点，具有低俗重载，强度要求高，使用寿命长的特点，满足水泥等行业要求的使用工况。本产品采用了现代齿轮设计技术，专门精心设计用于水泥煤磨等用途的边缘磨机减速器，它具有如下的主要性能特点：

1. 齿轮均采用优质合金钢渗碳淬火加工制成，齿轮材料和热处理质量严格按照ISO6366-1966的最高级别控制。
2. 齿轮均通过齿形齿向修整，齿向在和分布均匀，强度高，低噪音，低振动。
3. 齿根喷丸强化，齿根弯曲强度高
4. 采用独创的模块化设计，系列的主要零件品种规格少。
5. 对同一种公称传动比，有多种实际传动比可供选择。
6. 齿轮轴箱体的强度为均衡设计，采用剖分式箱体，可维持性能好。
7. 尽可能选择加大的轴承型号，稳定耐用。



MBY MBYX series reducer for edge-transmission mill adopts the advantages of similar products from the United States, Japan and Germany. It has the characteristics of vulgar heavy load, high strength requirement and long service life, meeting the requirements of cement and other industries. This product adopts the modern gear design technology, and specially designs the edge mill reducer for the use of cement coal grinding. It has the following main performance characteristics:

- 1.the gears are made of high quality alloy steel by carburizing and quenching. The gear material and heat treatment quality are strictly controlled according to the highest level of ISO6366-1966.
- 2.the gears are trimmed through the tooth shape, the teeth are aligned and distributed evenly, with high intensity, low noise and low vibration.
- 3.Intensification of root shot peening and high bending strength of root
- 4.Adopting original modular design, the main parts of the series are less variety and specifications.
- 5.A variety of transmission ratios are available for selection
- 6.The strength of the gear shaft box is balanced and the split box is used to maintain good performance.
- 7.As far as possible, choose the increased bearing type, stable and durable.

技术参数 Technical Parameter

中心距 Center Distance(mm)	输入功率 Power(KW)	速比 Ratio(I)
400/450/500/560/630/710/800/900/1000/1100	120-7600	4-7.1

ZDY/ZLY/ZSY Series Cylindrical Gearbox

ZDY/ZLY/ZSY系列圆柱齿轮减速器

● 特点及用途 Characteristics & Advantages



本产品按ZBJ19004-88标准生产，是国家机械委机重科（1998）09号文件中规定的替代按JB1130-70标准生产的ZD、ZL、ZS和JZQ系列产品的新型硬齿面圆柱齿轮减速箱。

其特点是齿轮和轴类零件采用高强度合金制造，齿轮经渗碳淬火，磨齿等工艺精制。本系列减速器广泛用于冶金、矿山、运输、水泥、建筑、化工、纺织、轻工、能源等行业，是用于原动机和工作机之间的独立闭式传动装置。与老系列产品比较，具有体积小、重量轻、承载能力高、寿命长、效率高、噪音低等优点。

Manufactured in compliance with the ZBJ19004-88 standard, this new hardened cylinder gearbox replaces those ZD、 ZL、 ZS and JZQ products manufactured in accordance with the JB1130-70 standard under the National Machinery Commission Branch(1988) 09 document.

The gears and shaft parts are manufactured by high strength alloy steel, and the gear is refined by carburizing and quenching and grinding process. The series reducer is widely used in metallurgy, mining, transportation, cement, construction, chemical, textile, light industry, energy and other industries, functioning as an independent enclosed drive device between the prime mover and working machine. Compared with the old series, the new ones are of small size, light weight, high load carrying capacity, long service life, high efficiency and low noise.

技术参数 Technical Parameter

中心距 Center Distance(mm)	传动比 Ratio(I)	额定扭矩 Nominal Torque Range(KNm)
112-710	120-7600	450-660