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


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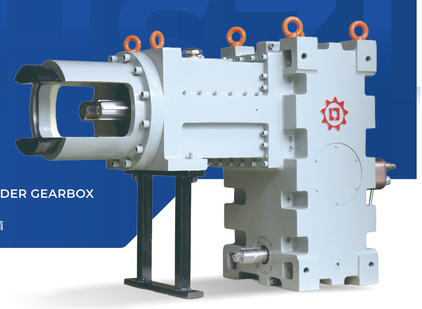
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# HSZL系列



HSZL SERIES HIGH TORQUE
CONICAL TWIN SCREW EXTRUDER GEARBOX

HSZL系列高扭锥形双螺杆挤出机齿轮箱

## 特点及用途/Characteristics & Advantages

HSZL系列锥形双螺杆挤出机齿轮箱，是在SZL.SJZ系列锥双系列的基础上进行改进，该系列通过改进传动箱和分配箱齿轮，使用高强度优质合金钢（20CrNi2-MoA），整体式齿轮结构，经渗碳淬火后精密磨齿并修形，齿轮精度达到6级以上，并增加锥齿轮磨齿，进一步提高齿轮箱承载能力，所有箱体采用高品质球墨铸铁，铸件充分去除应力，冷却系统采用外置式强制润滑和板式换热器水冷。

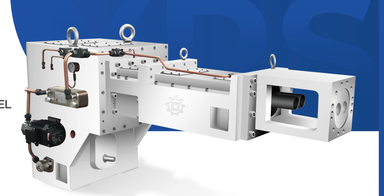
HSZL series conical twin screw extruder gearbox is improved on the basis of SZL and SJZ series gearboxes. This series improves the transmission box and distribution box gears, uses high-strength high-quality alloy steel [20CrNi2MoA). After carburizing and quenching, the gears are precision ground and modified. The gear accuracy reaches above level 6, also increase bevel gear grinding, the entire gearbox further improves the load-bearing capacity, All gear housings are made of high-quality nodulared cast iron, The cooling system adopts external forced lubrication and water cooling with plate heat exchanger.

- 优化改进 Optimization Improvements
- 传动平稳 Stable Transmission
- 高品质球墨铸铁 High Quality Nodular Cast Iron
- 日常维护方便 Easy Daily Maintenance
- 精密的加工技术 Precision Processing Technology
- 耗能低 Low Energy Consumption
- 结构紧凑 Compact Structure
- 外形美观 Beautiful Appearance
- 箱体强度高 High Strength
- 运行可靠 Reliable Operation
- 安全可靠 Safe & Reliable
- 运行温度低 Low Operating Temperature

## 技术参数/Technical Parameter

| 规格 | 输入功率 | 输入转速 | 速比 | 输出转速 | 单轴输出扭矩 | 单轴许用推力 |
|---|---|---|---|---|---|---|
| Model | Power(kw) | Input Speed(rpm) | Ratio(i) | Output Speed(rpm) | Single Shaft Torque(N.m) | Single Axis Allowable Thrust(kn) |
| HSZL65 | 60 | 1500 | 22.7 | 66 | 4340 | 165 |
| HSZL80 | 115 | 1500 | 26 | 58 | 9467 | 210 |

# YPS系列



YPS SERIES COUNTER-ROTATING PARALLEL TWIN SCREW EXTRUDER REDUCER

YPS系列异向平行双螺杆挤出机减速器

## 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。整机由传动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。

传动部分采用超高强度合金渗碳钢材质，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。轴承采用德国INA公司和国内瓦轴，兼顾了产品的可靠性和经济性。外置式强制润滑和冷却系统，强化了润滑和冷却效果。

YPS series gearbox is a high-precision transmission device with hard tooth surfaces matched with the counter-rotating parallel twin-screw extruder. The whole machine consists of two parts, the transmission box and the distribution box. It adopts vertical joint arrangement. The main motor can be arranged under the distribution box and the structure is compact and beautiful.

The transmission part is made of ultra-high-strength alloy carburized steel, and surface strengthening processes are added to key parts. The tooth surface hardness is HRC54-62, the core hardness is HRC30-40, and the gear accuracy is level 6. The box body is made of ductile iron material. The bearings adopt German INA company and domestic famous brand, taking into account the reliability and economy of the product. External forced lubrication and cooling system enhances lubrication and cooling effects.

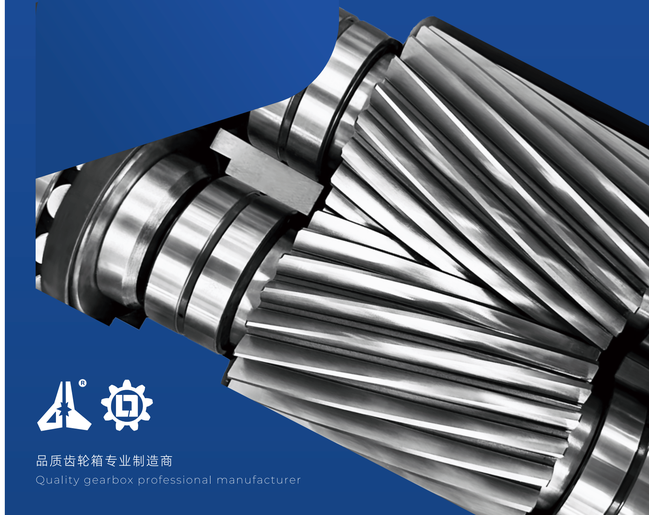
- 结构紧凑 Compact Structure
- 高品质球墨铸铁 High Quality Nodular Cast Iron
- 运行可靠 Reliable Operation
- 外形美观 Beautiful Appearance
- 箱体强度高 High Strength

## 技术参数/Technical Parameter

| 中心距离（mm） | 螺杆直径（mm） | 功率（kw） | 输入转速（rpm） | 速比(i) | 输出转速（rpm） | 单轴输出扭矩(N.m) | 单轴许用推力（kn） |
|---|---|---|---|---|---|---|---|
| Center Distance | Screw Diameter | Power | Input Speed | Ratio | Output Speed | Single Shaft Torque | Single Axis Allowable Thrust |
| 55 | Φ65 | 22 | 1500 | 19.5 | 75 | 1400 | 110 |
| 64 | Φ75 | 37 | 1500 | 33.7 | 44.5 | 3970 | 135 |
| 76 | Φ90 | 55 | 1500 | 33.2 | 45.2 | 5850 | 156 |
| | | 43 | 1500 | 41.5 | 36.1 | | |
| 87 | Φ100 | 60 | 1500 | 33.2 | 45.2 | 6344 | 195 |
| 90 | Φ107 | 90 | 1500 | 33.1 | 45.3 | 9520 | 220 |
| | | 70 | 1500 | 41.9 | 35.8 | | |
| 91.2 | Φ110 | 95 | 1500 | 32.3 | 46.5 | 9780 | 240 |
| | | 75 | 1500 | 41 | 36.5 | | |
| 93 | Φ115 | 80 | 1500 | 41 | 36.5 | 10475 | 259 |
| 95 | Φ116 | 102 | 1500 | 33.3 | 45.1 | 10809 | 259 |
| | | 80 | 1500 | 41 | 36.5 | | |
| 104 | Φ120 | 110 | 1500 | 33.2 | 45.1 | 11659 | 325 |
| 110 | Φ130 | 160 | 1500 | 33.2 | 45.2 | 17000 | 325 |
| | | 124 | 1500 | 43.8 | 34.3 | | |
| 132 | Φ160 | 200 | 1500 | 38.6 | 38.9 | 24570 | 500 |

# DELING MACHINERY
# 得灵机械

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

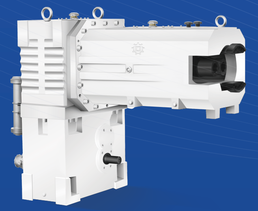


品质齿轮箱专业制造商
Quality gearbox professional manufacturer

# 锥双系列

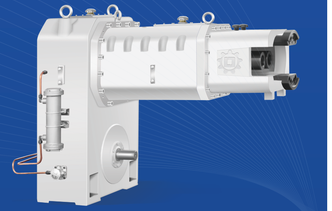
优化改进
Optimization Improvements

精密的加工技术
Precision Processing Technology



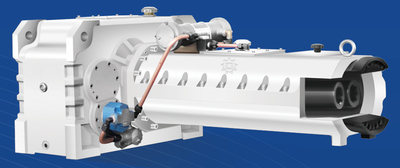
SZL系列立式
联体异向锥双挤出机减速器

SZL SERIES VERTICAL CONICAL TWIN SCREW EXTRUDER REDUCER



SJZ系列立式
联体异向锥双挤出机减速器

SJZ SERIES VERTICAL CONICAL TWIN SCREW EXTRUDER REDUCER



SZW系列卧式
联体异向锥双挤出机减速器

SZW SERIES HORIZONTAL CONICAL TWIN SCREW EXTRUDER REDUCER

## ■ 特点及用途/Characteristics & Advantages

该产品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，采用异向外旋的方式，带动螺杆挤出成型。

齿轮材质均采用高强度优质合金钢，经渗碳淬火后精密磨齿，精度高达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材料，高速轴采用油封加机械密封双重密封处理，渗油率低。冷却润滑系统采用外置式强制润滑和钎焊板式换热器。

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 angle 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.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 brazingplate heat exchanger.




## ■ 技术参数/Technical Parameter

SZL系列立式联体异向锥双挤出机减速器

SZL SERIES VERTICAL CONICAL TWIN SCREW EXTRUDER REDUCER

| 规格 | 输入功率 | 输入转速 | 速比 | 输出转速 | 单轴输出扭矩 | 单轴许用推力 |
|---|---|---|---|---|---|---|
| Model | Power(kw) | Input Speed(rpm) | Ratio(i) | Output Speed(rpm) | Single Shaft Torque(N.m) | Single Axis Allowable Thrust(kn) |
| 45/90 | 18.5 | 1500 | 36.6 | 41 | 2150 | 100 |
| 50/105 | 22 | 1500 | 39.7 | 37.8 | 2779 | 120 |
| 55/110 | 30 | 1500 | 40 | 37.5 | 3820 | 130 |
| 65/132 | 37 | 1500 | 38.4 | 39.1 | 4518 | 165 |
| 80/156 | 55 | 1500 | 39.8 | 37.7 | 6970 | 210 |
| 80/172 | 90 | 1500 | 39.8 | 37.7 | 11380 | 250 |
| 92/188 | 110 | 1500 | 37.1 | 40.4 | 13100 | 295 |

SJZ系列立式联体异向锥双挤出机减速器

SJZ SERIES VERTICAL CONICAL TWIN SCREW EXTRUDER REDUCER

| 规格 | 输入功率 | 输入转速 | 速比 | 输出转速 | 单轴输出扭矩 | 单轴许用推力 |
|---|---|---|---|---|---|---|
| Model | Power(kw) | Input Speed(rpm) | Ratio(i) | Output Speed(rpm) | Single Shaft Torque(N.m) | Single Axis Allowable Thrust(kn) |
| 50/105 | 22 | 1500 | 39.7 | 37.8 | 2779 | 120 |
| 55/110 | 30 | 1500 | 40 | 37.5 | 3820 | 130 |
| 65/132 | 37 | 1500 | 38.4 | 39.1 | 4518 | 165 |
| 80/156 | 55 | 1500 | 38.8 | 38.7 | 6785 | 210 |
| 80/172 | 90 | 1500 | 38.8 | 38.7 | 11100 | 250 |
| 92/188 | 110 | 1500 | 37.1 | 40.4 | 13100 | 295 |

SZW系列卧式联体异向锥双挤出机减速器

SZW SERIES HORIZONTAL CONICAL TWIN SCREW EXTRUDER REDUCER

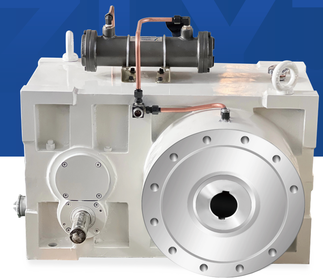
| 规格 | 输入功率 | 输入转速 | 速比 | 输出转速 | 单轴输出扭矩 | 单轴许用推力 |
|---|---|---|---|---|---|---|
| Model | Power(kw) | Input Speed(rpm) | Ratio(i) | Output Speed(rpm) | Single Shaft Torque(N.m) | Single Axis Allowable Thrust(kn) |
| 55/110 | 30 | 1500 | 40 | 37.5 | 3820 | 130 |
| 65/132 | 37 | 1500 | 38.4 | 39.1 | 4518 | 165 |
| 80/156 | 75 | 1500 | 38.7 | 38.8 | 9253 | 210 |
| 92/188 | 110 | 1500 | 37.1 | 40.4 | 13100 | 295 |
| 110/220 | 160 | 1500 | 37.4 | 40.1 | 19052 | 427 |



# ZLYJ系列

ZLYJ SERIES SINGLE SCREW EXTRUDER REDUCER

ZLYJ系列单螺杆挤出机减速器



传动平稳
Stable Transmission

结构紧凑
Compact Structure

寿命长
Long Life

箱体强度高
High Strength

## ■ 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。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，也可按用户需求进行个性化定制，可替代同类进口产品使用。空心输出轴前端配置超规格推力轴承，承受螺杆工作时的轴向推力。齿轮和轴类零件采用了高强度合金材质，齿轮精度为6级（GB1095-88），齿面硬度HRC54-62。

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.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 can replace the same kind of imported products.Thrust bearing with over-specification is mounted on the front end of hollow output shaft to accommodate screw back pressure forces.The main parts are made of high strength alloy steel. CNC gear grinding.Its precision is up to grade 6 (GB 1095-88) with tooth surface hardness HRC54-62.

## ■ 技术参数/Technical Parameter

| 规格 | 输入功率 | 传动比 | 螺杆直径 |
|---|---|---|---|
| Model | Power(4P)kw | Ratio(i) | Screw diameter(mm) |
| ZLYJ112 | 15 | 8 | Φ35 |
| ZLYJ133 | 22 | 8 | Φ45/50 |
| ZLYJ146 | 31 | 10 | Φ55 |
| ZLYJ173 | 39 | 10 | Φ65 |
| ZLYJ200 | 55 | 12.5 | Φ75 |
| ZLYJ225 | 83 | 12.5 | Φ90 |
| ZLYJ250 | 75 | 16 | Φ100 |
| ZLYJ280 | 125 | 16 | Φ100/105 |
| ZLYJ315 | 171 | 16 | Φ120 |
| ZLYJ330 | 215 | 16 | Φ150/160 |
| ZLYJ375 | 260 | 20 | Φ150/160 |
| ZLYJ395 | 288 | 16 | Φ160 |
| ZLYJ420 | 330 | 16 | Φ165 |
| ZLYJ450 | 330 | 20 | Φ165 |
| ZLYJ500 | 450 | 20 | Φ180 |
| ZLYJ560 | 600 | 20 | Φ190 |