

# BRANCHES



COMPANY PROFILE

## HEAD OFFICE:

### JOHANNESBURG

45 Bisset Road, Jet Park,  
Boksburg 1469  
Tel.: + 27 (0) 11 281 4000

## BRANCHES:

### DURBAN

61 Magwaza Maphalala Street,  
Durban 4001  
Tel.: + 27 (0) 31 306 7955

### KATHU (NC)

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Kathu, Northern Cape 8446  
Tel.: + 27 (0) 53 008 5055

### CAPE TOWN

5 Chatham St, Maitland,  
Cape Town 7405  
Tel.: + 27 (0) 21 510 1816

### BETHAL

57A Du Plooy St,  
Bethal 2309  
Tel.: + 27 (0) 17 200 1694/5

### RUSTENBURG

200 President Mbeki Drive,  
Rustenburg 0300  
Tel.: + 27 (0) 14 592 8511

### PORT ELIZABETH

6A Sutton Rd, Sidwell,  
Gqeberha 6061  
Tel.: + 27 (0) 41 451 1620

### STEELPOORT

R555 Road,  
24°43'49.7"S  
30°12'50.3"E,  
Steelport 1133  
Tel.: + 27 (0) 13 518 0500



# ABOUT US...

Zhou's was established in 1993 and has since developed into one of the leading suppliers of bearings, seals, belts and power transmission products in South Africa.

Zhou's Enterprise has branches in most major centers in South Africa. Branches and distributors are strategically situated throughout South Africa to ensure excellent geographical coverage and a source of supply close to our customer base.

A 24-hour service ensures that the availability and supply of product can be achieved at a moment's notice.

## VISION

Strategically increase our footprint in our chosen markets within South Africa. Supplying quality products at affordable pricing. To increase our product range to compliment our customers' needs.

## STRATEGY

We will achieve our vision by supplying ISO certified products that conform to the customer's requirements at a cost-effective basis and increase our range of products that we can offer our customers.

## VALUES

- Safety and health to all users of our products.
- Trust and respect for all our valued customers and business partners.
- To have an open and honest way of conducting our day-to-day business.

## GOAL GUIDELINES

**In order to achieve our goals, we are guided by the following:**

- Encourage employees to always perform at optimal levels.
- Promote understanding through effective communication.
- Empower all employees by providing the appropriate product knowledge and equipment.
- Increased involvement between customers and our employees, through constant feedback.



- Established in 1993.
- Quality and assurance in our products.
- **Leading supplier of:**
  - Bearings
  - Seals
  - Power transmission products
  - Conveyor idlers
  - Agricultural spares
- 24/7 hour Service delivery.
- Local branch network and distributors in various locations in South Africa and some surrounding countries.



**THE SERVICE THAT WILL KEEP YOU GOING NON-STOP.**







### INTRODUCTION TO DYZV:

Dalian Metallurgical Bearing Co. Ltd, was founded in 1986, has more than 2 200 employees, covers an area of 770 000 square meters, and so far, it has become a combination of research and development, design, production as the mainstay of the bearing industry base. Our company adheres to quality as the core focus, highly sophisticated products research, and development as the dominant factors. The company possesses a research and design team made up of 130 workers and makes use of international leading technology and equipment to ensure bearing life and accuracy.







The company has achieved six classification society certifications as well as ISO9001-2015 certification.

DYZV products have been continuously rated by the Ministry of Metallurgy as "Famous brand products of the Ministry of Metallurgy", "Famous brand products" in Liaoning Province, "500 of the most valuable brands in China" and "Top Ten famous brands of bearings in China". Won the "Liaoning Province Best Credit Enterprise" and "Liaoning Province AAA reputation of well-known enterprises" and other awards.

### COMPANY OVERVIEW:

- 1984:** The Second Bearing Manufacturer in Xinjin County was established.
- 1985:** Renamed as Xinjin Metallurgical Bearing Manufacturer.
- 1986:** Renamed as Dalian Metallurgical Bearing Manufacturer.
- 1993:** Dalian Metallurgical Bearing Group was established.
- 2002:** Dalian Metallurgical Bearing Group established Dalian Metallurgical Co. Ltd a joint venture, whose registered fund was 100 million yuan.
- 2006:** 100 million yuan added to its registered capital.
- 2007:** The company was reformed as Dalian Metallurgical Bearing Co. Ltd after the approval by the Ministry of Commerce, and its registered capital was increased to 224 million yuan.
- 2013:** A large conjoined workshop of 54 000 square meters was built. The adjustment and layout of process routes were made.
- 2015:** 22 production lines were introduced, by which transformation for numerical control and automation of product processing was accomplished primarily.
- 2016:** A digitalized factory was established to promote intelligent manufacturing comprehensively.
- 2018:** Dalian Metallurgical Bearing Group Co. Ltd became a first-class bearing manufacturer and solution provider in China.

### MANUFACTURERS OF VARIOUS TYPES OF BEARINGS:

-  Angular contact ball bearings
-  Cylindrical roller bearing
-  Deep groove ball bearings
-  Spherical roller bearings
-  Tapered roller bearings
-  Thrust roller and ball bearings







Authorized  
Distributor

### INTRODUCTION TO SKF:

The SKF Group is the leading global supplier of products, services, and solutions in five interrelated core technologies comprising bearings and units, power transmission, seals, services, and lubrication solutions.

SKF South Africa entered the South African market in 1914 and offers local industry a full range of solutions and services around its five core technologies. By utilising capabilities from all or some of the technologies, SKF develops tailor-made solutions for each customer segment and adds value by assisting customers to improve performance and reduce energy consumption and total cost of ownership.

### AS A SKF AUTHORISED DISTRIBUTOR ZHOU'S CAN ASSIST WITH THE FOLLOWING:

- ⦿ Improve productivity
- ⦿ Reduce maintenance costs
- ⦿ Improve energy efficiency
- ⦿ Optimise design
- ⦿ Reduce time to market
- ⦿ Reduce total cost of ownership

### SKF SERVICES OFFERED THROUGH ZHOU'S ENTERPRISE:

- ⦿ Product selection advice
- ⦿ Advanced bearing life calculations
- ⦿ Root cause failure analysis
- ⦿ Lubricant selection and lubrication recommendations
- ⦿ Mounting and dismounting guidelines for SKF products
- ⦿ On site troubleshooting
- ⦿ Design of bearing arrangements
- ⦿ Finite element analysis
- ⦿ System simulations

### A WIDE RANGE OF PRODUCTS AVAILABLE:

- ⦿ Bearings and Housings / Units
- ⦿ SKF Cooper Split Bearings
- ⦿ Power Transmission
- ⦿ Seals
- ⦿ Lubrication Services





# BEARINGS

Zhou's is one of the pioneers of Chinese bearings in the South African market. The DYZV brand was introduced in 1993 as a premium Chinese brand from the family factory in China.

Zhou's is proud to be a supplier of well-known global brands complimenting our DYZV brand to satisfy all of our


Most bearing products can be supplied from a substantial stock holding or sourced, with minimal lead-time, from local and overseas suppliers.

In addition all bearing products are serviced by highly motivated and knowledgeable sales staff and supported by a technical support team.



Our bearing products are available in a wide range to suit your needs.

#### OUR PRODUCT RANGE INCLUDE:

-  Deep groove ball bearings
-  Tapered roller bearings
-  Cylindrical roller bearings
-  Angular contact bearings
-  Thrust bearings
-  Spherical roller bearings
-  Automotive bearings

As well as ancillary products.





# POWER TRANSMISSION

Zhou's is a reliable supplier who various industries can turn to when requiring chain, sprockets, pulleys, V and wedge belts, couplings and taper-lock bushes.

Our power transmission products cater for various industries.

## WE SUPPLY PRODUCTS IN THE RANGE OF:

- ⊗ Shaft mount gearboxes
- ⊗ Conveyor components
- ⊗ Taper lock bushes
- ⊗ Locking elements
- ⊗ Conveyor frames
- ⊗ Conveyor idlers
- ⊗ Weld on hubs
- ⊗ Couplings
- ⊗ Sprockets
- ⊗ Pulleys
- ⊗ Chain
- ⊗ Belts













# SEALS & CIRCLIPS



Our seals are available in many different high demand materials like Nitrile, Viton and Silicone in metric and imperial sizes.

#### OUR PRODUCTS INCLUDE:

-  Rotary shaft seals
-  O-rings and o-ring cords
-  Pneumatic seals
-  Hydraulic torric seals
-  External circlips
-  Internal circlips
-  Circlip kits
-  E clips





# AGRICULTURE

The Zhou's agriculture range has been expanded to include a comprehensive range of agricultural drive shafts, linkage components and grass cutting equipment.

Supply of various products for your agricultural needs.

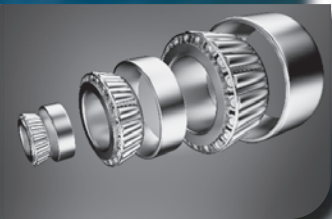
OUR WIDE RANGE OF PRODUCTS INCLUDE:

- PTO's
- Components
- Agriculture gearboxes
- Power transmission
- Bearings
- Seals
- Variety of in house products





# AUTOMOTIVE



Our leading brands, including DYZV, supply products in the range of:

- Light or heavy vehicle wheel bearings
- Differential bearings
- Axle bearings
- Air con tensioner pulley bearings
- Gearbox bearings
- Seals

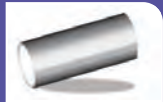
Provided loose or in kit form





# CONVEYOR IDLERS AND FRAMES

## INTRODUCTION TO THE PARTS OF A STANDARD ROLLER / CONVEYOR IDLER:



### Roller Body:

The factory utilizes high-precision, high-frequency straight-seam welded pipes, welded along the circumference of the bearing seat, ensuring both air tightness and load strength. These are assembled and welded using a proprietary automatic assembly line for rollers, ensuring stable production with minimal runout.



### Shaft:

Shafts are selected with strict tolerances, ensuring they do not experience sliding friction with bearings even at high speeds and under heavy loads.



### Bearing Seat:

Through multiple stretching processes and automatic stamping, bearing seats are formed to create an airtight seal environment for all working components, ensuring perfect concentricity.



### Labyrinth Seal:

Our non-contact labyrinth seal efficiently repels dust and water during rotation, while the three labyrinth pathways create longer routes for harmful substances, enhancing sealing performance. When combined with special lubricating grease, this achieves excellent dust and water resistance.



### Bearings:

2RS C3 bearings are used to ensure excellent sealing, long lifespan, low resistance, and reduced noise, guaranteeing stable operation over time.

## Automated Idler Roller Assembly Production Line:

An automated production line is used for the manufacturing process, ensuring seamless processes from steel pipe cutting to roller assembly, welding, sealing, and online testing, providing traceable products with high rotation accuracy and stable quality.

Through the automated assembly line's bearing pre-assembly technology, idler roller shells are first assembled with bearing seats, bearings, and shafts before welding, effectively reducing stress deformation during welding and maintaining design concentricity, resulting in idler rollers with a concentricity error of less than 0.1.

## Standard Idler Roller Characteristics:

In belt conveyor projects, idler rollers represent a significant investment. Opting for high-quality idler rollers ensures sufficient operational lifespan, thereby avoiding losses incurred by conveyor downtime.

Conveyor idler rollers frequently encounter dripping water, rainwater, equipment flushing water, and harsh dust environments, necessitating idler rollers with high sealing performance, sufficient strength to withstand impacts from material drops and continuous flows, high rotation accuracy, and low rotation resistance to minimize vibration and noise.

## High Rotation Accuracy:

The manufacturer adheres to stricter radial runout requirements, achieving minimal radial runout through the use of high-quality materials, precision manufacturing, and rigorous assembly processes.

## Low Rotation Resistance:

Rotation resistance directly impacts the power capacity required for conveyor operation. Using idler rollers with low rotation resistance reduces overall power consumption proportional to conveyor length.

**High Sealing Performance (Dustproof, Waterproof):** Effective sealing prevents internal component damage and rust, crucial for idler roller longevity. Balancing high sealing performance with low rotation resistance is critical, as increased sealing typically correlates with higher rotation resistance.

## High Durability:

Ensuring dust and water are kept out of idler rollers is essential for preventing damage and maintaining performance over time. Striking a balance between high sealing performance and low rotation resistance is key to ensuring longevity.

## PRODUCTS:

- Steel Trough Rollers
- Anti-Runback Trough Rollers
- Flat Return Rollers
- V-Return Rollers
- Garland Sets
- Impact Trough Rollers
- Vibrating and Screening Equipment
- Chutes and Bins
- Drum Motors







Nothing cleans like Citronol



PRODUCT RANGE:

- ⦿ Hand Cleaner
- ⦿ Barrier cream
- ⦿ Heavy duty degreaser
- ⦿ Multi-purpose cleaner
- ⦿ All-purpose cleaner
- ⦿ Pine gel
- ⦿ Deluxe liquid hand soap
- ⦿ Premium dishwasher liquid
- ⦿ Disinfectant and sanitiser

FEATURES & BENEFITS:

- ⦿ Conform to SA health and safety regulations
- ⦿ Non-flammable
- ⦿ Biodegradable
- ⦿ Industrial cleaning power
- ⦿ High density foam action
- ⦿ Extreme grease and dirt cutting action





**ROCOL®**

High Performance Lubricants

**PRODUCTS INCLUDE:**

- ⊗ Oils
- ⊗ Greases
- ⊗ Lubricants
- ⊗ Aerosol paints
- ⊗ Anti-slip Coatings
- ⊗ Metalworking fluids

**FEATURES & BENEFITS:**

- ⊗ EP additive package provides medium to heavy duty machining performance
- ⊗ Bactericide, chlorine and formaldehyde free
- ⊗ Formulated for use on ferrous and non-ferrous materials, including aluminium
- ⊗ High dilutions (up to 70:1) provides low in-sump costs
- ⊗ Tolerant to tramp oil and low foaming
- ⊗ Compatible with hard and soft water
- ⊗ Excellent residual corrosion protection
- ⊗ Inherently resistant to degradation







**RICHEM PRODUCTS OFFERS A RANGE OF INDUSTRIAL ADHESIVES THAT INCLUDES:**

- ⦿ Anaerobics
- ⦿ Cyanoacrylates
- ⦿ Lubricants and Aerosols
- ⦿ Structural Adhesives

**ANAEROBICS:**

- ⦿ Thread Lockers
- ⦿ Retainers
- ⦿ Sealing

**CYANOACRYLATES:**

Different grades of adhesives for various applications

- ⦿ Lubricants and aerosols
- ⦿ Structural adhesives

**FEATURES AND BENEFITS ANAEROBICS:**

- ⦿ One component reactive adhesive
- ⦿ Lock and seal threaded fasteners
- ⦿ Firmly fix cylindrical mating parts
- ⦿ Sealing flat mating surfaces
- ⦿ Shock and vibration resistant
- ⦿ High Pressure and chemical resistant

**CYANOACRYLATES:**

- ⦿ Join dissimilar products
- ⦿ Lighter assembly
- ⦿ Reduction of joint stress
- ⦿ Reduced assembly time





# SERVICES OFFERED

## BEARING COURSES:

- ⊗ Bearing identification
- ⊗ Selection per application
- ⊗ Bearing handling
- ⊗ Bearing fitment
- ⊗ Lubrication
- ⊗ Vibration analysis
- ⊗ Alignment

## SPECIALISED TRAINING:

- ⊗ Tailor made courses to suit your requirement

## INTERMEDIATE BEARING COURSE

## COMPONENT DAMAGE ANALYSES COURSE



“EVERY ADDITION TO TRUE KNOWLEDGE  
IS AN ADDITION TO HUMAN POWER”

*Horace Mann*

