

Total Power Transmission Solutions



Southern
Engineering
Services Group

Power Transmission
& Rebuild Division

www.sesgroup.com.au

Gearbox Rebuild & Supply

SES GEARBOX SUPPLY & REBUILD DIVISION have been servicing and supplying all brands of gearboxes for many years. With our in house engineering and manufacturing capabilities, we can offer the most complete package for all power transmission equipment. Our rebuild team is highly skilled and dedicated to meeting customer deadlines. Customer service is the number one priority, minimising costly downtime.

- WORM & HELICAL GEARBOXES
- PLANETARY GEARBOXES
- BEVEL HELICAL COOLING TOWER GEARBOX
- EXTRUDER GEARBOX
- VERTICAL COAL PULVERISING MILL GEARBOX
- CONSTANT & VARIABLE SPEED FLUID COUPLING



Gearbox & Pump Repairs



REPAIRING GEARBOXES, GEARMOTORS & PUMPS has been the backbone of the PTR Division. With many years of mechanical repair experience, employing a team of highly qualified mechanical engineers and technical tradesmen, there's always a solution to every problem.

- 24 HR CALLOUT SERVICE
- CRANE CAPACITY 35 TON
- HORIZONTAL PRESS CAPACITY 400 TON
- FULL DISMANTLING, INSPECTION INCLUDING NDT OF COMPONENTS
- FAULT FINDING & FAILURE ANALYSIS
- SURFACE COATING & RESTORATION OF SHAFTS
- INHOUSE MANUFACTURING OF GEARS
- NO LOAD TESTING INCLUDING VIBRATION ANALYSIS
- ONSITE REMOVAL, REINSTALLATION & ALIGNMENT

Power Transmission Products

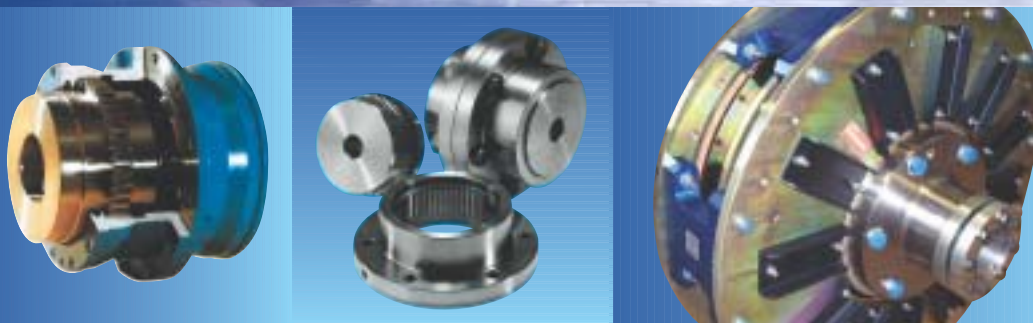
SES POWER TRANSMISSION & REBUILD DIVISION are specialists in the supply and manufacture of power transmission products. We carry a comprehensive range of couplings, gearboxes and power transmission consumables. Available 24/7 and backed by our experienced technical representatives.

WORM GEARBOX MANUFACTURER

SES Power Transmission & Rebuild division offers a range of worm gear reducers that are totally interchangeable with most recognised brands.

The ER Series of worm reducers are available in a range of sizes from 4" to 20" centres, in ratios from 5:1 to 70:1 in the single reduction units. We have the capacity to build new units off the shelf within days of your order being placed.

- COUPLINGS
- CLUTCHES
- BRAKES - DISC & DRUM
- GEARED MOTORS
- PULLEYS & BELTS
- CHAINS & SPROCKETS
- ELECTRIC MOTORS
- BACKSTOPS
- SCREWJACKS



MAGNADRIIVE - BREAKTHROUGH TECHNOLOGY
Magnadrive replaces the physical connection between motors and loads with a gap of air. This air gap eliminates harmful vibration, wear and tear, enhances energy efficiency, increases motor and bearing life and protects equipment from overload damage.



PTR

Precision Balancing

DRIVE SHAFT BALANCING is performed using state-of-the-art equipment, eliminating undesired and often dangerous vibrations, in high speed tool spindles, electric armatures, fans, universal shafts and industrial rolls.

Our precision balancing will save you and your equipment from eventual breakdowns due to damaged bearings, casings or suspensions.

BALANCER SPECIFICATIONS:

- Max weight for rolls, fans, armatures up to 3000 kg
- Max weight for universal shafts up to 1000 kg
- Balance diameter capacity up to 1700 mm
- Balance length up to 5000 mm
- Journal diameter on roller bearings 15-240 mm
- Balance speed range 100 - 6000 rpm
- Min achievable residual unbalance per plane 0.5 gmm/kg

Universal Drive Shafts & Repairs

SPECIALISING IN THE SUPPLY & REPAIR of all recognised brands of Universal Drive Shafts.

Ensuring only the highest quality drive shafts are used to deliver performance results. We also assist in the selection, design and supply of Industrial Universal and constant Velocity (CV) shafts for heavy to medium Automotive applications.

- JACK SHAFTS
- CENTRE BEARING SHAFTS
- 2 & OR 3 PIECE SHAFTS
- SHORT COUPLED SHAFTS
- EARTHMOVING EQUIPMENT
- MINING & UNDERGROUND SHAFTS
- SPECIALISTS OFF ROAD SHAFTS



Bearings & Transmissions International

B&TI PRODUCT RANGE INCLUDES:

- **BALL & ROLLER BEARINGS**
(Both European & Japanese Brands)
- **OIL SEALS**
- **COUPLINGS**
 - JAW
 - GEAR
 - CONE RING
- **GEAR UNITS**
 - IN-LINE HELICAL
 - SHAFT MOUNT
 - HELICAL-BEVEL/MITRE GEARS
 - WORM
 - PLANETARY DRIVES
 - PARALLEL SHAFT GEAR UNITS
 - GERMOTORS FOR HOSTILE ENVIRONMENTS
 - ATEX GERMOTORS
- **A.C. MOTORS AND DRIVES/MECHANICAL**
 - MOTORS
 - AC DRIVES/ FREQUENCY INVERTERS
 - MECHANICAL SPEED VARIATORS

BEARINGS & TRANSMISSION INTERNATIONAL was formed by the amalgamation of two businesses, Arthur Evans a division of Southern Engineering Service, the NSW Bonfiglioli Distributor and Bearings International a bearing and transmission company that procures product both internationally and domestically.

Although Bearings & Transmission International is a new name we still have the experience gained over the last 20 years and with our expanded product range we can now apply those resources to better service your requirements.



Precision Gear Manufacture

Newvale Engineering

NEWVALE ENGINEERING is a specialist gear manufacturing company with over 35 years experience. Our knowledgeable and highly skilled workforce can manufacture quality precision gears from supplied engineering drawings, new, worn and even broken gear samples.

We also offer 24 hour technical support, to assist you with urgent break downs or planned maintenance shutdowns, ensuring minimal disruption to your workflow.

Whether you're situated locally or internationally, we strive to deliver gear and coupling solutions to fulfill every condition and requirement.

- BEVEL GEARS
- SPUR GEARS
- HELICAL GEARS
- SPUR & HELICAL GEAR GRINDING
- INTERNAL RING GEARS
- CROWN CUT SPINDLE GEARS
- WORM & WHEELS
- MORSE & REDUSPEED PARTS
- SPROCKETS
- INTERNAL & EXTERNAL SPLINES
- GEARED COUPLINGS
- GENERAL MACHINING

On Site Shaft Laser Alignment



LASER ALIGNMENT Anywhere, Anytime, our on-site technical engineers are available 24/7. Offering the most complete on-site service to suit every application and requirement.

- LASER ALIGNER ROTALIGN FOR HAZARDOUS AREAS
- ALIGNING - PUMPS, MOTORS, GEARBOXES & FAN BLOWERS
- DETAILED REPORTS
- 24 HOUR SERVICE



TURNKEY CONTROL EQUIPMENT/SPECIALIST CONTROL ENCLOSURES

- CUSTOM DESIGNED TO YOUR REQUIREMENTS
- UPGRADE EXISTING CONTROL EQUIPMENT
- ELECTRO PNEUMATIC SYSTEMS
- PROGRAMMABLE LOGIC CONTROL SYSTEMS



D.C. MILL DISC BRAKES for hoisting and conveyor applications. Manufactured to suit your specific requirements.

- REDUCE MAINTENANCE COST
- DIRECT REPLACEMENT FOR 8" - 23" DRUM BRAKES
- EASY, FAST CONSISTENT ADJUSTMENT
- EASY, FAST FRICTION PUCK REPLACEMENT IN 10 MINUTES



SINGLE-ACTING, GENERAL PURPOSE HYDRAULIC CYLINDERS

Complete range to suit all applications and conditions.

- DESIGNED FOR USE IN ALL POSITIONS
- HIGH STRENGTH ALLOY STEEL FOR DURABILITY
- MAXIMUM LIFTING CAPACITY 95 TON
- MAXIMUM HEIGHT LIFT 250 mm



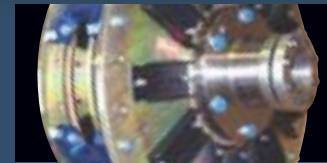
GEARBOX SUPPLY & REFURBISHMENT

14 Waverley Drive
Unanderra NSW 2526
Ph: 02 4272 2217
Fx: 02 4272 4753
Em: workshop@sesgroup.com.au



DRIVESHAFT MANUFACTURE, REFURBISHMENT & BALANCING

14 Waverley Drive
Unanderra NSW 2526
Ph: 02 4272 2217
Fx: 02 4272 4753
Em: workshop@sesgroup.com.au



POWER TRANSMISSION PRODUCTS

14 Waverley Drive
Unanderra NSW 2526
Ph: 02 4272 2217
Fx: 02 4272 4753
Em: gear@sesgroup.com.au



BEARINGS & TRANSMISSION INTERNATIONAL

15 Prince of Wales Avenue
Unanderra NSW 2526
Ph: 02 4272 8600
Fx: 02 4271 8200
Em: btisales@sesgroup.com.au



NEWVALE ENGINEERING

18 Bessemer Street
Blacktown NSW 2148
Ph: 02 9672 4200
Fx: 02 9672 3747
Em: newvale.engineering@sesgroup.com.au



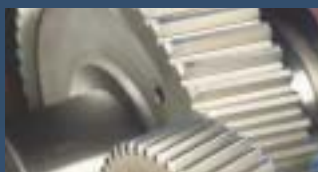
SHAFT LASER ALIGNMENT

14 Waverley Drive
Unanderra NSW 2526
Ph: 02 4272 2217
Fx: 02 4272 4753
Em: workshop@sesgroup.com.au



SES (NEWCASTLE) - BEARINGS & POWER TRANSMISSION DIVISION

132 Hannell Street
Wickham NSW 2293
Ph: 02 4962 2777
Fx: 02 4962 1687
Em: newcastlesales@sesgroup.com.au



SES (NEWCASTLE) - MECHANICAL ENGINEERING SERVICES DIVISION

30 Darling Street
Carrington NSW 2294
Ph: 02 4940 0972
Fx: 02 4940 0581
Em: newcastlesales@sesgroup.com.au



HUNTER BEARINGS & POWER TRANSMISSION

210 Bridge Street
Musswellbrook NSW 2333
Ph: 02 6543 4500
Fx: 02 6543 4177
Em: sales-hunterbearings@sesgroup.com.au

Power Transmission & Rebuild Division



Southern Engineering Services Group