

ENGINEERED SOLUTIONS FOR THE MINING INDUSTRY



Specialised Power Transmission and Linear Motion Products

Linear Bearings is a long established linear motion company and, through significant growth, now offers specialised power transmission components and service to the Australian mining industry.

We are market leaders in linear motion technology and carry a complete range of products.

Through co-operative efforts and strategic alliance partnering with some of the worlds best manufactured brands *Linear Bearings* allows you to simplify both your sourcing and servicing of critical power transmission components and products.

We maintain a fully equipped in-house workshop including design and technical product support. Branch offices are located in all states to service local needs.



www.linearbearings.com.au

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SERVICING WORLD'S BEST BRANDS TO THE MINING INDUSTRY



Drum & Thruster Brakes

Long established and well proven design, suitable for a wide range of industrial and mining applications. A compact design can be installed on almost any type of equipment.

Brakes are suitable for continuous use without control gear.

Flameproof thrusters available on request.

Range 30 Nm - 7,200 Nm



Calliper & Disc Brakes

Our experience enables us to specify optimum braking solutions from our comprehensive industrial calliper & disc brake product range. Each is selected according to the application requirements and is specified in conjunction with a recommended brake pad material. Available in Hydraulic, Pneumatic and Electric Actuation.

Range 100 Nm - 500 kNm



Backstops (Anti Reversing Clutch)

A range of positive holdback clutches is commonly applied on inclined conveyors, material handling systems and gear drives. Suitable for horizontal or vertical mountings.

Range 5 kNm - 1,000 kNm



General Purpose

A range of general purpose products supported by *Linear Bearings* includes both specialised and uncomplicated products. A large range of bellows is available from custom designed 'zipper' types to simple concertina applications.

A variety of rack and pinion, trapezoidal shafts and nuts and custom gearing is available. Internal & external locking assemblies for connecting a hub to a shaft without the need for a keyway.



Actuators & Screwjacks

The industrial actuators and screwjacks represent proven design and simplicity for all automation applications.

We offer clevis-to-clevis mount and trunnion mount style electric actuators - the most versatile selection of industrial actuators.

Higher duty running screwjacks are available in both metric and imperial variants.

Load Range 1 kN - 45 kN



INNOVATION, FLEXIBILITY, RELIABILITY & PERFORMANCE



General Purpose & Specialty Clutches

Sprag and roller ramp type over-running clutches are available for a variety of industrial applications. Through a unique hardening process called "Formchrome", our over-running clutches will have up to twice the normal service life of competitive brands.

Range 20 Nm - 36,000 Nm



Ball Screws

Linear Bearing's capability in ball bearing screws ranges from locally supplied, off-the-shelf industrial models to a complete precision range designed for unique applications. Our extensive experience also extends to refurbishments and repair services in our fully equipped workshop.



Industrial Brakes & Clutches

Linear Bearings offers a range of single friction disc industrial type electromagnetic Clutches and Brakes, including Torque Limiters, Tooth clutches and Multidisc Brakes. Variations are also available in Hydraulic and pneumatic actuation. A compact design and DC voltages makes these products suitable for continuous motion control and soft stop / start applications. A range of controls is also available for single phase connections.

Range 5 Nm - 204,000 Nm



Rebuild & Overhaul Facilities

We take your worn, scaled, seized, scored or rough running equipment and with the knowledge, experience and manufacturer's support rebuild and refurbish the components as required.

The same level of excellence that exists in the manufacture of the original equipment is closely adhered to in our overhaul procedures.

We are also interested in helping you prevent problems and failures and can recommend a preventative maintenance schedule for your specialty components. Our rebuild and overhaul service also extends to various on-site services:

- Equipment/component audits
- Retrofits with design improvement



'THE LINEAR EDGE'

We will support you with a unique package of specialist Mining Products and Overhaul Services. Linear Bearings can offer you the best solution from our experienced in-house engineers, supporting our entire product and service range.

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|------------------------------|--------------------------------------------------------|
| Actuators | Electric linear mechanical actuation |
| Backstops | Fixed/Releasable mechanical holding devices |
| Ballscrews | Ball bearing screw (metric/imperial) |
| Bellows | Flexible protection coverings |
| Brakes (Disc) | Hydraulic, Electric, Pneumatic, Multi Disc |
| Clutches | Hydraulic, Multi Disc, Pneumatic, Electromagnetic |
| Drum Brakes | Hydraulic, Electric, Pneumatic |
| Linear Products | Shafting, Bearings, Linear Sets, Slide Tables, Splines |
| Locking Assemblies | Mechanical locking devices for shafts |
| On-site Services | Condition reporting, equipment audits |
| Over-running Clutches | Engineered mechanical one-way clutches |
| Screwjacks | Mechanical actuation - variety of drives |

FULL WORKSHOP FACILITIES

A wide variety of brands available, including:



For further information or a comprehensive product catalogue, please contact your nearest branch.



LEADERS IN LINEAR MOTION TECHNOLOGY

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Due to continuing development and improvement to our products, specifications are subject to change without notice.