

SES Linear Bearings

EXCELLENCE IN ENGINEERING

Comprehensive Product Guide



Southern
Engineering
Services Group

www.linearbearings.com.au



SES Linear Bearings Pty Ltd a Division of Southern Engineering Services Pty Ltd





About The SES Group

THE SES GROUP HAS BUILT ITS BUSINESS ON A REPUTATION FOR HIGH QUALITY ENGINEERING SERVICES AND PRODUCTS

On the 1st January 2008 Linear Bearings Pty Ltd was purchased by Southern Engineering Services Pty Ltd. As a result of this purchase the name of Linear Bearings has become SES Linear Bearings Pty Ltd.



Linear Bearings was established in 1977 as Australia's first company specialising in linear motion products. After over 30 years of being the leaders in this highly technical product range, SES Linear Bearings is pleased to still be servicing the Australian and New Zealand market. We are the only company in Australia that stocks over 4 million dollars of linear motion products and employs over 60 linear motion specialty staff. We have a national warehouse and sales distribution structure that services every state within Australia.

Our commitment to customer service, stock and engineering support is what separates the SES Group from our competition and has maintained our leading position in the Australian market for over 30 years.

We are not just a product supply company that on-sells an imported product. The SES Group is an engineering company that supplies, services, designs, builds and repairs all mechanical products supplied by the SES Group. Our aim is to support our customers when they need our assistance and our commitment is demonstrated by our willingness to hold the largest linear product stock of any company specialising in linear motion.

The SES Groups product range includes cutting edge linear motion, leading brands of general bearings, power transmission products, ranging from v-belts to steel rolling mill drive units. Every product used in a mechanical process or machine is supplied and serviced by the SES Group. The

SES Group has grown from strength to strength on the back of leading brands that you can rely upon, combined with engineering support, ensuring the product recommended is going to give you a true cost saving.

Head office for the Southern Engineering Services Group is in Fairy Meadow in the Wollongong area, New South Wales. SES operating divisions exist in Fairy Meadow, Milperra, Unanderra, Port Kembla, Caringbah, Blacktown, Newcastle, Kurri Kurri and Muswellbrook in New South Wales; Brisbane and Emerald in Queensland, Perth and Kalgoorlie in Western Australia, Melbourne in Victoria, Adelaide in South Australia and Auckland in New Zealand. Ask our representative about our new locations as our group is expanding our services to provide a more extensive support to our customers.

SES Linear Bearings and the SES Group provide engineering and key product support services to a mix of customers, including steel making, metal smelting, coal mining and metals mining, fertilizer, heavy materials handling, chemical, construction, general engineering, medical, food processing, packaging and the water treatment process industries.

Within the group divisions we have quality accreditation to ISO 9001:2000. Our experienced staff has appropriate tertiary qualifications in mechanical engineering, along with required industry accreditations, to meet all customer project requirements. Our national operation employs over 350 employees and has the highest ratio of qualified engineers of any bearing or power transmission company within Australia.

Service, stock, engineering support, repairs and a dedication to the future is our commitment to our customers. If you have a mechanical supply need for any bearing or power transmission product, please contact our local division and our group will aim to supply the highest quality product and service at the most competitive price.



Supplier of
the Year
Medium to Large
Enterprise Award

Linear Motion Technology

ROUND SHAFT SERIES

- The largest and most comprehensive range of linear sets, ball bushings, end supports and accessories on the market today
- Hardened & ground shaft cut and machined to your requirements
- Metric and imperial sizes available; stainless steel shaft available in most sizes

PROFILE RAIL GUIDES

- Miniature through to large heavy-duty sizes available as stocked lines
- Latest technology enabling high speeds, low noise, lower friction, less maintenance
- Cut to length according to customer requirements

BALL SCREWS

- Standard rolled and precision ground screws available
- Nuts available in flanged, cylindrical or double nut (backlash free) configurations
- All screws can be cut and machined to your requirements

MODULAR SLIDE UNITS

- Variety available to suit most requirements
- Single or multi-axis configurations
- Ball screw or belt driven modules





Innovation, Flexibility,



BALL SPLINES

- Variety of ball splines available ex stock
- Nuts available in flanged, cylindrical and housed units
- Splines can be cut and machined to your requirements



CERAMIC COATED

- For linear and rotary applications self aligning type available in all sizes
- For use in abrasive or contaminated environments
- Available with Teflon® composite liner



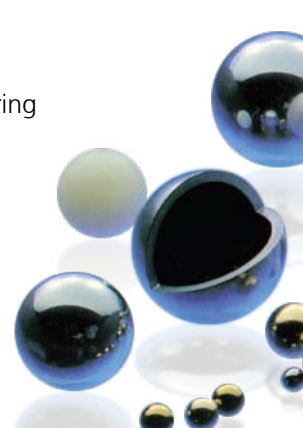
ALUMINIUM PROFILE BUILDING SYSTEMS

- The world's leading manufacturer of aluminium profiles
- Comprehensive range of profiles & accessories
- Supply of parts individual or bulk, assistance in design, assembled or in flat pack
- A total solution provider not just a manufacturer pushing a brand



BALL TRANSFER UNITS

- Anti friction devices for shifting, transferring and conveying loads in any direction
- Instant directional change
- Stainless steel bearing/housing options available



Reliability, Performance,

ACTUATORS

- Electro mechanical models
- Available in 12 VDC, 24 VDC, 230 VAC, 415 VAC
- Various stroke lengths and load capacities

INDUSTRIAL BRAKES/CLUTCHES

- Electromagnetic, pneumatic, hydraulic or manual devices
- Available single disc, multi discs and tooth type
- Can be engineered to specific customer requirements

SCREWJACKS

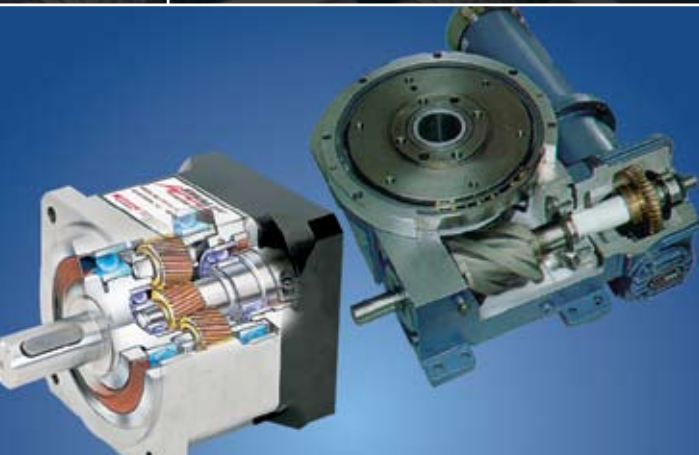
- Trapezoidal/acme or ball screw type
- Capacities from 2.5kN to 1000kN as standard
- Translating and rotating screw type

SERVO SYSTEMS

- Accurate positioning control
- Stores multiple preset positions
- User control via either a PLC or simple switch pad



Support, Service,



GEARHEADS/ INDEX DRIVES

- Gearboxes for low backlash applications, adapted to your motor requirements
- Index tables offering high precision and high load carrying capacity
- Index tables with single control and low maintenance



ROLLING RING DEVICE

- Converts constant rotation into two-way reciprocating motion
- All mechanical device leading to simple control
- Used extensively in wire, cable and cord winding applications



ROD ENDS/ SPHERICAL BEARINGS

- Comprehensive range of metric and imperial sizes
- Wide variety of uses including; industrial, packaging, race car and aerospace applications
- Available with bronze, nylon, teflon liners or steel on steel



OTHER BEARING & TRANSMISSION PRODUCTS

- Gearbox Units, Repairs, Couplings, Balancing, Belts and Pullies, Load Testing, Seal, Gear Cutting, Roller and Ball Bearings and Housings





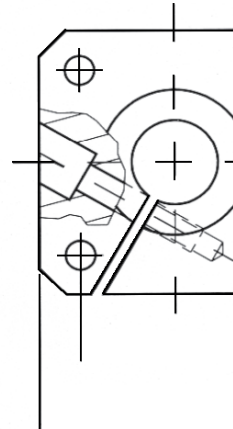
Workshop & Engineering

REFURBISHMENT & MACHINING SERVICES

Our in house workshop proudly offers a wide range of specialty services. From custom machining to assembly, service and repairs. Extensively trained and experienced tradespeople undertake all work in our fully equipped workshop.

Our services include:

- **Aluminium Profile Building Systems** cut, drilled and tapped ready for assembly
- **Ball Screws** serviced, machined and repaired
- **Design Support** by qualified engineers
- **Hardened & Ground Shafts** cut and machined to your requirements
- **Linear Modules** and Slides assembled to your needs
- **Profile Rail Guides** cut to length; machined & butt joined if required
- **Rebuild & Overhaul Facilities** for indexing boxes & industrial brake & clutch components



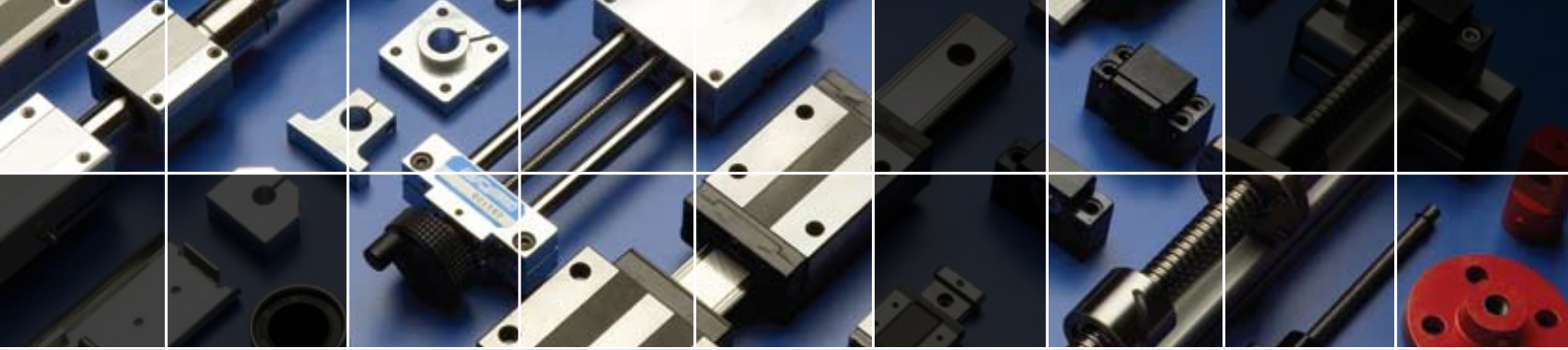
WORKSHOP FACILITIES

Our fully equipped workshop allows us to machine, service and repair our product range.

ENGINEERING SUPPORT

Our entire product range is supported by qualified and experienced engineers.





Southern Engineering Services Group

Head Office

503-505 Princes Highway (PO Box 193)
Fairy Meadow NSW 2519 Australia
Phone 61 2 4283 9100
Email seswol@sesgroup.com.au

sesgroup.com.au



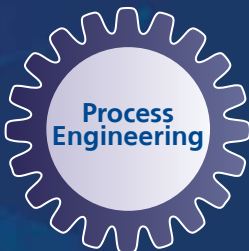
**Bearings
& Power
Transmissions**



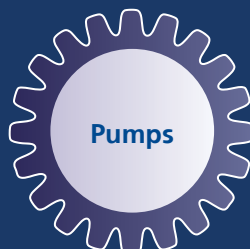
**Mechanical
Rebuild
Workshops**



**Mining &
Industrial**



**Process
Engineering**



Pumps

SES Bearings - Unanderra NSW

Phone 61 2 4272 2377 Email bearings@sesgroup.com.au

SES Bearings & Power Transmission - Newcastle NSW

Phone 61 2 4962 2777 Email newcastlesales@sesgroup.com.au

SES Bomond Trading - Brookvale NSW

Phone 61 2 9939 1344 Email bomond@sesgroup.com.au

SES Hunter Bearings - Muswellbrook NSW

Phone 61 2 6543 4500 Email sales-hunterbearings@sesgroup.com.au

SES Linear Bearings - Adelaide SA

Phone 61 8 8283 4177 Email sasales@linearbearings.com.au

SES Linear Bearings - Auckland NZ

Phone 64 9 273 9723 Email sales@linear.co.nz

SES Linear Bearings - Brisbane QLD

Phone 61 7 3274 3388 Email qldsales@linearbearings.com.au

SES Linear Bearings - Melbourne VIC

Phone 61 3 9755 6044 Email sales@linearbearings.com.au

SES Linear Bearings - Perth WA

Phone 61 8 9358 2444 Email wasaales@linearbearings.com.au

SES Linear Bearings - Sydney NSW

Phone 61 2 9792 7188 Email nswsales@linearbearings.com.au

SES Newvale Engineering - Blacktown NSW

Phone 61 2 9672 4200 Email newvale.engineering@sesgroup.com.au

SES Power Transmission - Unanderra NSW

Phone 61 2 4272 2217 Email workshop@sesgroup.com.au

SES Mechanical Engineering Services - Newcastle NSW

Phone 61 2 4954 9777 Email newcastlesales@sesgroup.com.au

SES Power Transmission and Repair - Unanderra NSW

Phone 61 2 4272 2217 Email workshop@sesgroup.com.au

SES Mining & Industrial - Emerald QLD

Phone 61 7 4982 2466 Email reception@sesgroup.com.au

SES Mining & Industrial - Kurri Kurri NSW

Phone 61 2 4936 4411 Email mining_hv@sesgroup.com.au

SES Mining & Industrial - Port Kembla NSW

Phone 61 2 4276 2322 Email atmining@sesgroup.com.au

SES Mining & Industrial - Unanderra NSW

Phone 61 2 4271 1444 Email mining@sesgroup.com.au

SES Process Engineering - Fairy Meadow NSW

Phone 61 2 4283 9100 Email steel@sesgroup.com.au

SES Process Engineering - Perth WA

Phone 61 8 9249 2951 Email ses@iinet.net.au

SES Pumpcare International - Kalgoorlie WA

Phone 61 8 9021 4044 Email dom@pumpcare.com.au

SES Pumpcare International - Perth WA

Phone 61 8 9209 1377 Email dom@pumpcare.com.au