

RENOLD

Australia & New Zealand



*Industrial Chain, Mechanical Power
Transmission & Hydraulic Specialists*

www.renold.com.au

www.renold.co.nz

Transmission Chains

Conveyor Chains

Gearboxes, Couplings & Brakes

Hydraulics





Melbourne Offices and Factory

- ▶ Extensive range of **standard and custom** products
- ▶ Multiple brands for different performances and prices
- ▶ Competitively priced
- ▶ Extensive local technical support
- ▶ Application advice and solutions

Renold is one of the world's largest manufacturers and suppliers of industrial chain and mechanical power transmission products with 14 factories in 8 countries, subsidiary companies in 18 countries and distributors in over 70 countries. Renold PLC is a listed company on the London Stock Exchange.



Auckland Offices and Factory

Renold ANZ has 6 locations in Australia and 2 in New Zealand. There are Factories in Melbourne and Auckland.

The factory in Melbourne is one of Renold's major conveyor chain factories, and it also produces customised sprockets, adapted transmission chains, hydraulic systems, and assembles and repairs industrial gearboxes and disc brakes. It is certified to ISO9001 for Quality and OHAS18001 for Health & Safety.

The Auckland factory manufactures customised sprockets and assembles and repairs industrial gearboxes.

Products supplied by Renold Australia & New Zealand include a wide range of standard and adapted transmission chains, standard and custom conveyor chains, forklift chains, standard and custom sprockets, gearboxes, hydraulic power systems, shaft couplings and disc brakes.

Experienced engineers and manufacturing staff at in Melbourne and Auckland enable Renold to provide solutions for all industries in Australia and New Zealand.



Quality



3-D Design



CNC Machining



Robotic Welding



Profile Cutting



Large Sprocket Cutting



RENOLD Synergy

- High performance
- Superior wear life
- Outstanding fatigue resistance
- 3 times wear life guarantee



RENOLD Syno

- Self-lubricating chain
- Food industry approved lubricant



RENOLD Hydro-Service

- Superior corrosion resistant coating will not chip or peel, hexavalent chrome-free
- Alternative choice to stainless steel chain



RENOLD Stainless Steel

- Designed for acidic/alkaline conditions
- Ideal for wet environments
- Food processing applications



RENOLD A&S

- Dependable performance



RENOLD HV

- Heavy Duty chain for Agriculture
- Available in ANSI standard sizes



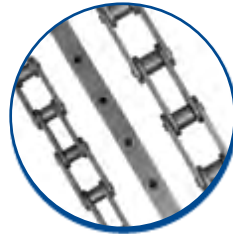
RENOLD SD

- Economy chain



RENOLD Klik-Top

- Easy to install polymer blocks
- Suitable for use in hygiene sensitive areas
- Food industry approved
- Ideal for conveying easily damaged products such as glass, wood, packaging



RENOLD Extended Pitch Chains

- Pins, bushes and rollers of standard series roller chains
- Side plates with double the standard pitch
- Available with standard and special attachments



RENOLD FLT Chains

- High fatigue strength
- Long service life



RENOLD JEFFREY Cranked Link Drive Chains

- Ideal for exposed drives with heavy loads at low speeds
- Available in pitch sizes 78mm to 178mm



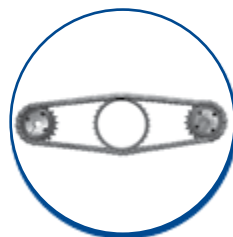
RENOLD Grader Chains

- Through hardened pins provide high shock load resistance



RENOLD Drill Rig Chains

- Specifically developed for drill rig applications
- Ideal to handle dynamic loads in harsh environments
- Heavy side plates and through hardened pins
- Quad riveted



Roll-Ring

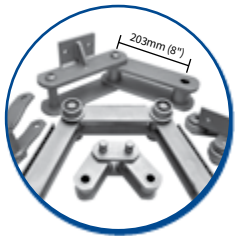
- Revolutionary chain tensioner
- Installed in seconds and self adjusting
- Acts as noise dampener

Conveyor Chains



RENOLD & ACE Standard Conveyor Chains

- Variety of applications to BS, DIN and ISO Standard specifications
- Breaking loads from 6,000lb to over 60,000lb including metric and imperial pitch sizes
- Available in a variety of configurations to suit specific requirements
- Corrosion resistance coating and materials available



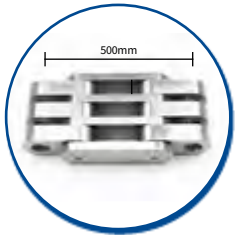
RENOLD & ACE Special Conveyor Chains

- Custom designs and engineered solutions
- Breaking loads up to 1,000,000lb
- Pitch up to 600mm
- Dedicated team of design application engineers
- Locally made and fast turnaround time
- Extensive range developed for many industries



RENOLD Mark 5 Agricultural Chains

- Extensively used in Wool, Agricultural & Food Processing industries
- Heat treated high strength alloy steel for longer life
- Solid bushes for extended service life
- Designed to ensure maximum strength and minimum weight



Metal Handling Chain

- Drawbench chain
- Aluminium & Zinc Ingot casting chain
- Hot mill cooling bed chain
- Accumulator chain
- Carbon anode handling chain



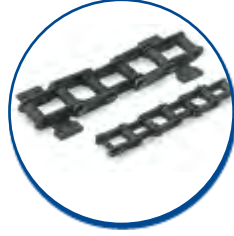
RENOLD Escalator Step Chains

- Renolube is designed to ensure maximum lifetime operation
- High precision chain for optimal operation
- Maintenance free outboard roller design



ACE Welded Steel Chains

- Robust chain with straight or offset sidebars
- Riveted or cottered construction
- Large range of special attachments



Combination Chains

- Manufactured with malleable cast iron inner links & steel outer links
- Cost effective solution for less critical applications
- Steel outer links permit welded attachments
- Low maintenance



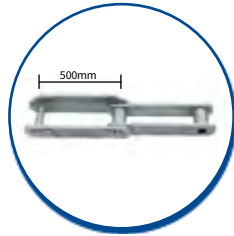
Forged Rivetless Chains

- Used in overhead monorail and floor conveyors
- Range includes X348, X458 and X678



Waste Water Treatment Chains

- Available in steel, cast, plastic and stainless steel
- Ideal for critical applications
- Wide range of attachments



Mining Chains & Coal Handling

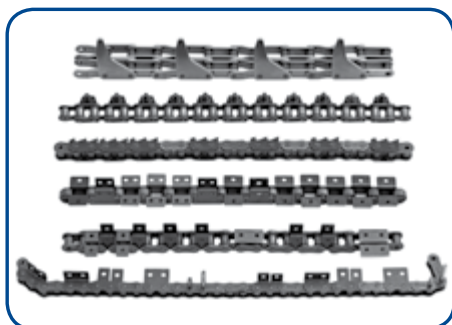
- Stacker reclaimer chain
- Breaker feeder chain
- Shuttlecar chain



Forged Link Chains

- Ideal for conveying bulk materials
- 102mm to 315mm pitch with customized attachments

Adapted Chains



RENOLD Adapted Transmission Chains

- Any type of standard and special attachments
- Various types of base chains
- Large assembly facility with design engineers in Melbourne
- Fast response time



RENOLD denotes manufactured by Renold



RENOLD Sprockets

- Wide range of standard and special sprockets
- Machined or profile cut and hardened for durability
- Split type and sprockets with removable tooth segments
- Hubs to suit all sprockets



Shafts & Flights

- New and replacement designs



Outboard Rollers

- To suit OEM chain design
- Special design gives longer life



RENOLD Wear Monitor

- Chain extension reporting
- Secure website for viewing results



RENOLD Smartlink

- Load analysis



Taperfit Bushes

- Secures sprockets to a range of shafts
- Available in standard metric and imperial bores



Helical & Bevel Helical Reducers

- Helical and Bevel/Helical units available in 14 sizes up to 1000kW
- Shrink disc option
- Internal holdback
- Labyrinth and Taconite sealing options
- Custom made drop-in replacement gearboxes available



RENOLD TW Worm Reducers

- Heavy duty worm units with centres from 10"-28" in single and double reduction types
- Interchangeable with Holroyd, David Brown, Radicon, Morse, Borg Warner, Sonnerdale



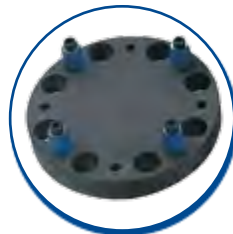
Planetary Gearboxes & Wheel Hubs

- 1000Nm to 3,000,000Nm
- Inline and right angle design with many mounting options
- Parallel & splined male and female shafts
- Hollow output with shrink disc
- Input flanges to suit hydraulic and electric motors



RENOLD Gear Couplings

- Single and double engagement assemblies
- AGMA standard, therefore interchangeable and cost effective
- O'Ring and metal sealing options
- Crowned and barrelled teeth



RENOLD Pinflex Couplings

- Steel half bodies, strong yet compact
- Polyurethane buffers, reliable/flexible and temperature resistant (-40°C to +80°C)
- Both half bodies are identical – lower spares stock



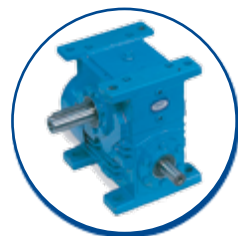
RENOLD Sprag Clutches

- Anti-runback clutches used as holdbacks on inclined belt conveyors
- Direct mount versions for internal gearbox fitment
- No backlash, giving positive action
- Interchangeable with Formsprag, Morse, Tsubaki
- Integral flexible coupling option available



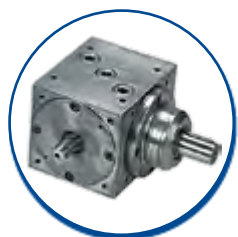
RENOLD SMX Shaft Mount Helicals

- Taper bore options allow easy removal for repair
- Integral sprag clutch holdback to prevent drive reversal
- Interchangeable with Fenner SMSR



RENOLD WM Worm Reducers

- Available with 4" to 9" centres in single and double reduction units
- Integral sprag clutch holdback to prevent drive reversal
- Interchangeable with Holroyd, David Brown, Radicon, Morse, Borg Warner, Sonnerdale



TANDLER Spiral Bevel Gear Units

- High performance silent drives
- Minimal backlash
- Alloy steel gears hardened and lapped for high performance



RENOLD Hi-Tec Couplings

- Designed for Generators, Pump Sets, Mining Equipment, Fan Drives, Compressors
- Failsafe design with no backlash
- Torsionally resilient to absorb shock
- High temperature blind assembly series available
- Computerised torsional vibration analysis available



RENOLD Torque Limiter Holdback

- Designed to protect against conveyor belt wind-up
- Protects the Renold holdback from overload



RENOLD AJAX Spindles

- Crowned and barrelled teeth
- Roll end piloting
- AISI 4150 forgings, quenched and tempered
- Nitride hardened



Trapped Roller Freewheels

- Design for over-running and backstop applications
- Interchangeable with Ringspann, Stieber, Formsprag, Morse, Tsubaki and Technik brands
- Integral flexible coupling option available



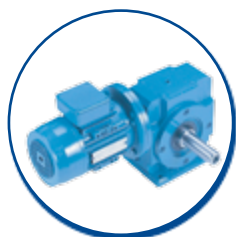
RENOLD Hydrastart Fluid Couplings

- Suitable for soft starting high inertia machinery
- Flexible couplings and vee pulley designs
- Delay fill version extends acceleration time and reduces start up torque



RENOLD ePM Reducers

- Available in three versions:
 - Single Worm
 - Helical Worm
 - Helical-Bevel-Helical
- Integral sprag clutch holdback to prevent drive reversal to worm gear versions
- Drywell available for vertical mounting



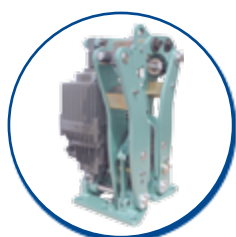
RENOLD jPM Reducers

- Wormgear units from 1.125" to 3.0" centre distance, up to 4kW capacity
- Motorised and speed reducer types available
- Cast iron housing



STROMAG SIME Disc Brakes

- Electromagnetic and Hydraulic
- Service and Emergency
- Self adjusting and self aligning service brakes
- Suitable for harsh environments



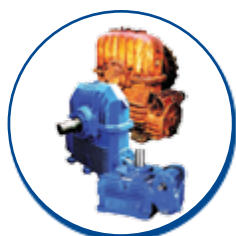
STROMAG SIME FAV Disc Brakes

- Thruster type – suit wharf cranes
- Interchangeable with many installed makes
- Self adjusting and aligning service brakes



Brake Repair Service

- Certified Stromag-Sime Workshop
- Accredited technicians trained in the Stromag-Sime factory
- Purpose built test equipment



Gearbox Repair Service

- All makes
- Inspection reports and quotations
- 12 month warranty



Hydraulic Power Units

- 0.55kW to 110kW
- Electric motor / IC engine
- Designed to suit specific requirements



DC Hydraulic Power Packs

- 12 VDC / 24 VDC



Planetary Gearboxes

- 1,000Nm to 3,000,000Nm
- Optional brake input



Wheel Hubs

- 1,000Nm to 1,000,000Nm
- Optional built in brake and/or manual release freewheel



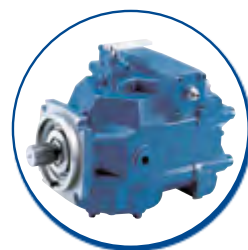
Gear Pumps & Motors

- 0.166cc/rev to 90cc/rev
- DIN and SAE mounts and shafts
- Common suction for multiple pumps



Axial Piston Pumps & Motors - Open Loop

- 15cc/rev to 140cc/rev
- Pressure compensated and load sensing



Axial Piston Pumps & Motors - Closed Loop

- 6cc/rev to 125cc/rev
- Manual / Hydraulic / Electronic Control
- Multiple assemblies



Gerotor / Geroller / Disc Valve Orbital Motors

- Displacements 8cc to 800cc
- Manifold mounted valving
- Static brakes



SALAMI Valves & Pumps

- Monoblock valves
- Sectional valves
- Load sensing
- Proportional
- Up to 250 ltr/min



Concrete Transit Mixer Drives

- Concrete mixer 6-16 m³ bowl drives
- Largest available drive gearboxes
- Water pump drive option
- Industry standard mounts

Stromag

SIME Brakes

STROMAG SIME DISC BRAKES



PLANETARY GEARBOXES & WHEEL HUBS



VALVES



HELICAL & BEVEL HELICAL GEARBOXES



GEAR UNITS



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for product information and selection programs,
technical advice and worldwide company information

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