

General Products



Renold products

Unique quality and performance

Leading edge technology

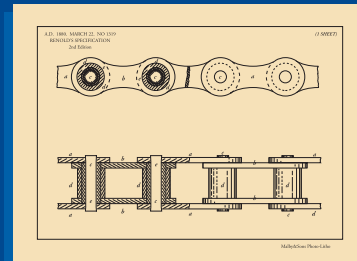
Renold provides practical cost effective solutions, with a commitment of value through quality. This is achieved by continuous investment in people, process technology and manufacturing.

Consistant reliability

Renold's has more than 125 years of experience in the design and manufacture of power transmission products, to the highest specifications, with proven performance in diverse industries worldwide, which underwrites the guaranteed quality and the assurance of reliability.



*Original patent drawing
1880 for bush roller chain*



Package solutions

One stop for your drive systems, including roller and conveyor chain, gears, motors, couplings, variators and fabricated bases.

Service excellence and care

Renold offers a unique level of service excellence and customer care. Our experienced applications engineers will select the optimum solution with the aid of the latest computer and design technology. Renold is the name for service, care and peace of mind.



“ Behind every conceivable industry and application environment; heavy or light duty, indoor or outdoor, clean or contaminated, high or low temperature, Renold is hard at work delivering performance and increasing productivity. ”



Special solutions and innovations

Renold is recognised throughout industry for its ability to create specific solutions to customers' unique requirements. International companies and industries from steel to food processing to escalators to textile machinery have chosen Renold to solve their problems.



Local and international availability

The Renold organisation stretches world-wide.

- More than 20 National Sales Companies
- Nearly 100 Overseas Distributors offering the comprehensive Renold range of power transmission products, directly or through local distributor networks.

Approvals and Quality Assurance

Renold's chain factories have ISO 9001:2000 certification. The roller chain manufacturing sites also have ISO 14001:2004 certification.

The UK gear and coupling sites have ISO9001: 2008 accreditation.

We also manufacture to the specifications required by API and BAe.



Transmission chain

Solution range overview



Synergy

Offering unbeatable wear resistance and fatigue performance capabilities, Renold Synergy is designed to maximise productivity and minimise downtime

- Superior wear and fatigue resistance
- Up to six times longer working life than any other standard chain
- Virtually dry-to-the-touch for easier handling and installation
- Distinctive platinum coloured connecting link for easy identification



Syno

Renold Syno chain sets a new benchmark for chain performance with little or no lubrication. The range includes two sintered bush versions and a totally unique, lubricant-free polymer bush version.

- Dry-to-the-touch
- Food industry-approved lubricant within the sintered bush
- Excellent corrosion resistance
- Ideal for hygiene sensitive applications



Hydro-Service

With a superior corrosion resistant coating, Renold Hydro-Service is an alternative choice to stainless steel.

- Hexavalent chrome-free – ensuring it is safe and environmentally friendly
- 30 times more corrosion resistant than conventional surface treatments
- Will not chip or peel
- Same working load capability as standard steel chain



Nickel plated

Ensuring extended working life for mildly corrosive environments nickel plated chain made to Renold specifications is specified for applications worldwide.

- Increased corrosion protection
- More cost effective than stainless steel
- Renold specification throughout
- Solid roller, solid bush
- Available with attachments



Stainless steel

Renold Stainless Steel chain is designed for environments where corrosion resistance is paramount.

- Ideal for acidic or alkaline conditions
- Suitable for wet environments
- Solid stainless steel roller
- High and low temperature capability



Specialist chain

Renold's range of roller chain is extensive and the most popular products are featured here.

However, Renold are committed to providing exactly what customers need and have an additional range of tailor-made, specialist chain to suit every application.

From hollow pin to side bow, straight side plate to double pitch chain, Renold has the chain to meet any requirement.

Transmission chain

Standard chain and accessories



Renold

Renold roller chain is highly fatigue resistant, giving up to four times the life of other leading competitor chains.

- Setting the standard
- End-softened pin with spin rivet
- Solid bush / solid roller
- Pioneered the wide waisted plate shape
- Designed to resist wear & fatigue for longer



Renold SD

If you are looking for a good quality product from a reliable supplier for “standard duty” chain applications, look to Renold SD for consistent reliability.

- Standard Duty Roller Chain
- The economy chain with the engineering experience of Renold
- This ensures consistent reliability



Attachment chain

The most comprehensive range available

- Many attachments available from stock
- Dedicated production facilities to meet customer demands
- Extensive experience and flexibility



Roll-Ring

The innovative, award-winning Roll-Ring chain tensioner is based on new principles and represents a major advance in chain tensioning technology.

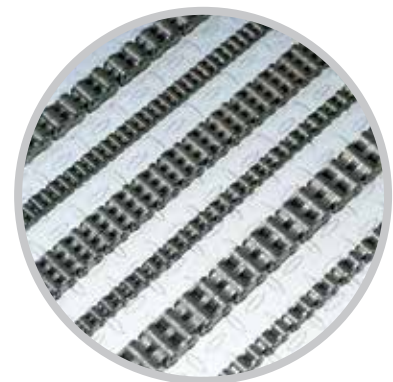
- Installed in seconds and self adjusting
- Multi-directional
- Maintenance free
- Also acts as noise damper



Smartlink

Unique load analysis technology

- Detection and diagnosis to ensure smooth running
- Identify problems with alignment
- Pin-point potential causes of reduced chain life
- Increase your production efficiency



Leaf Chain

Renold has more than 100 years experience in the operation and maintenance of lifting chain. Involvement with designers, manufacturers and users of all types of equipment has enabled Renold to develop comprehensive ranges used worldwide for safety-critical lifting applications.

Engineering chain

The range



Steel Pin bush roller chain

Manufactured to international standards; BS British Standard, STR Steel Thimble Roller to USA designs and ISO to European design. Within the range are numerous pitch alternatives with breaking loads ranging from 13 to 900 kN as standard. Various attachment styles can be supplied with the chain to suit many different applications.



Welded steel and drag chain

There are two main types of chain, Type W for drives and conveyors and Type WD for drag and scraper applications. Both are normally the offset sidebar design with precision welded barrels. A wide range of special attachments are available which are then welded to the chain sidebars. Standard breaking loads range from 108 kN to 675 kN.



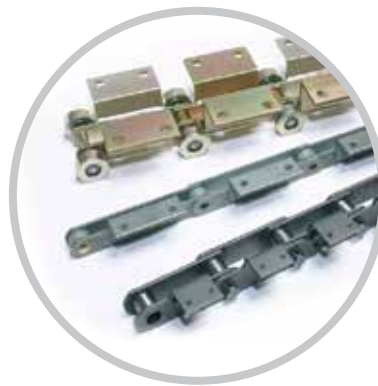
Escalator

Manufactured to specific customer designs the range is separated into two categories for light duty retail store use and heavy duty public transport applications. Certain types are assembled in an integral step axle construction. Bearing rollers are fitted to the majority of chains. Renolube polymer inserts have been designed to suit the majority of applications to eliminate the need for lubrication.



Agricultural roller chain

Produced to ISO/DIN standard and also a range of Works Standard chains used mainly on agricultural harvesting equipment. The standard range consists of eight chain types with pitches ranging from 1.15 inch (29.21mm) to 2.609 inch (66.27mm). Standard K, M and F type integral attachments are then fitted to the chain dependent on the equipment requirements.



Customised engineering chain

Covering a wide range of products to suit specialised applications these solutions often using a mix of high specification materials and treatment processes to meet the demands of the particular application. These chains are normally designed by close collaboration between the customer and a team of experienced Renold application and design engineers.



Steel knuckle chain

A USA-designed range of heavy duty, robust, detachable elevator bush chains fitted with integral K type attachments. Breaking loads on the most common types range from 642 kN to 1724 kN. The majority of chains are available with a sealed joint feature to extend chain life.

Engineering chain Applications



Theme Park

Renold manufacture chains to the highest specification for both water and roller coaster applications. Our chain design developments have exceeded the increasing demands for higher payloads and greater speeds.



Water Treatment

A full range of products for sewage and water treatment plants manufactured using stainless, and carbon steels or a combination of both with various corrosion protective coatings is available. Renold also produce non metallic chains, sprockets and flights for use in suitable applications.



Cement

Renold produce a comprehensive range of Cement mill chain for elevators, apron feeders, reclaim and clinker conveyors, proven in the harsh and abrasive applications of a modern cement mill. A full inspection and site assessment service is available from our experienced application engineers.



Agriculture

Suppliers to some of the world's largest harvesting OEMs, Renold attention to design, materials and heat treatment results in its range of agricultural chains giving the highest level of performance.

Sugar

A wide range of engineered standard and bespoke chains for all applications throughout both cane and beet sugar mills. Renold have considerable experience and expertise in chain design for these arduous applications.



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or to contact your
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Ref: REN5 / US / 08.12



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