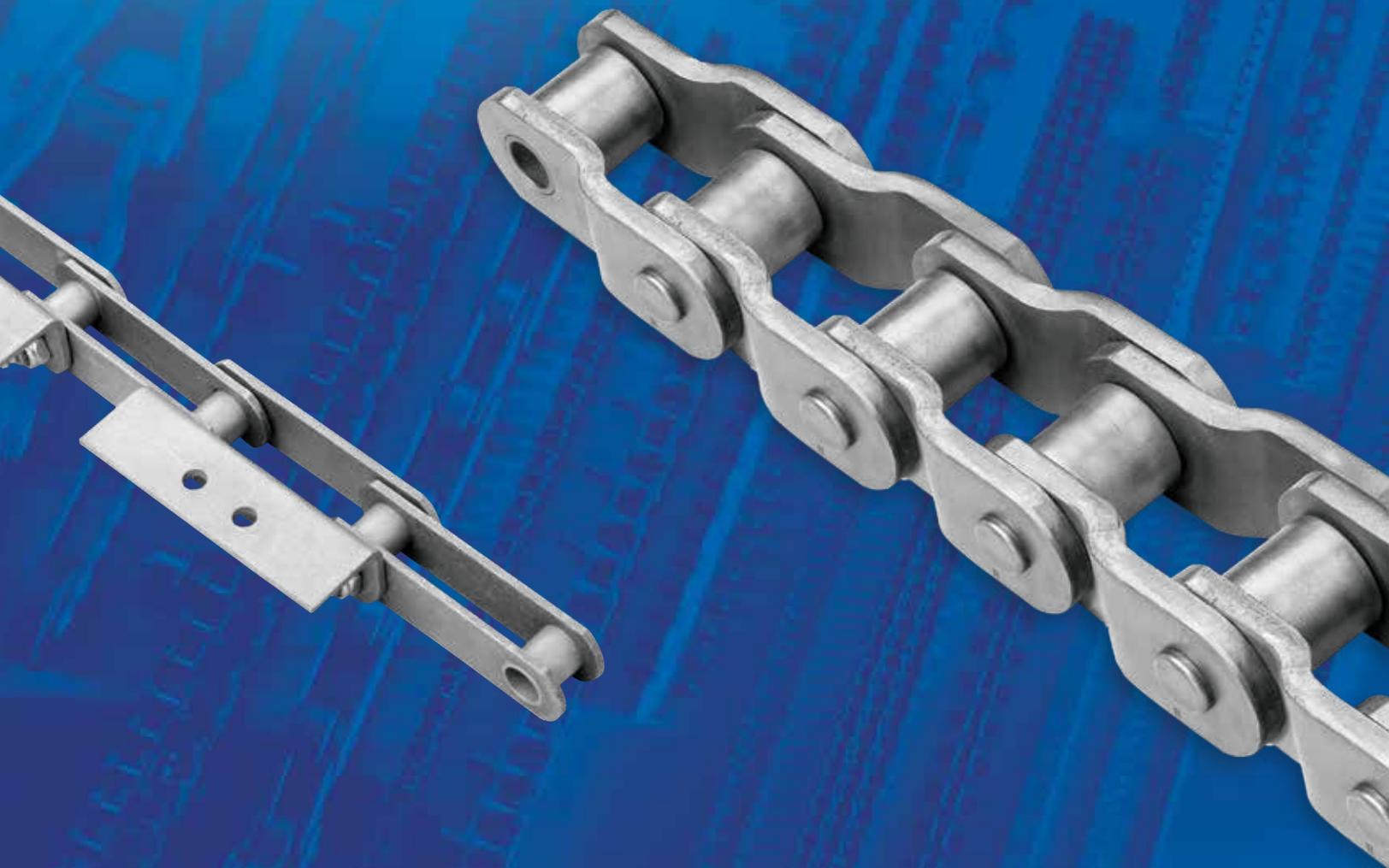




RENOLD

General Products Overview

Roller Chain & Engineered Chain



Roller Chains



Premier Wear and Fatigue Resistance for Standard Chain

Renold roller chain is highly fatigue resistant, giving up to four times the life of 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 life



All-Purpose Value Roller Chain

Precision Roller Chain for reliable performance. Built to time-tested specifications from carefully selected materials.

- Wide-waist link plates to handle shock loads better
- Solid rollers and bushings for smoother, longer running applications
- Heat-treated for long wear life



Standard Duty

Good quality product from a reliable supplier for "standard duty" chain applications.

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



Long-Lasting High Performance

Renold Synergy offers unbeatable wear resistance and fatigue performance capabilities.

- Superior wear and fatigue resistance
- 3 times longer working life than any other standard chain
- Distinctive platinum colored connecting link for easy identification



Designed for Dusty Environments

Increased wear resistance to withstand the abrasive effects of dust and debris.

- Resilient, durable components deliver reduced maintenance costs
- Up to 3 times longer wear life than standard chain in harsh environments
- Suitable for high-speed or heavy load applications
- Available with standard attachments



Maintenance Free

Renold Syno is ideal for applications where relubrication is not possible or recommended.

- No Lubrication Required, ideal for hygiene sensitive applications
- Dry-to-the-Touch
- Excellent corrosion resistance
- Standard Chain Dimensions- Drop-in Replacement



Wet and Humid Environments

Strength of Carbon Steel Chain with Superior Corrosion Resistance.

- Lasts as much as 30 times longer than standard carbon steel
- Cold extruded, solid bush and roller delivering maximum Renold performance
- Hexavalent Chrome free-environmentally safe
- Will not chip or peel



Corrosion Resistant

Corrosion Resistant Roller Chain for Medium Load Applications.

- Ideal for acidic or alkaline conditions
- Manufactured using FDA approved material and is prelubricated with USDA H1 approved lubricant
- Solid stainless steel roller
- High and low temperature capability

Simplify Your Maintenance Routine with Problem Solving Chains from Renold.

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

Whatever your working environment or chain requirement- Renold has the chain for you.

| | |
|-----------------|-----|
| Best | ★ |
| Better | ●●● |
| Good | ●● |
| Standard | ● |
| Not Recommended | -- |

| | Blue | Whitney | SDRC | Sovereign | Synergy | Syno | Hydro-Service | Stainless Steel | |
|-------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------|
| Corrosion Resistance | -- | -- | -- | -- | -- | ● | ● | ●●● | ★ |
| Fatigue & Wear Resistance | ●●● | ●● | ● | ●●● | ★ | ●●● | ●● | ● | |
| Wet or Underwater Application | -- | -- | -- | -- | -- | -- | ●●● | ★ | |
| No Lubrication Required | -- | -- | -- | -- | -- | ★ | -- | -- | |
| High Shock Loads (HV Series*) | ★ | ●● | -- | ●● | ●●● | -- | ●● | ● | |
| Abrasion Resistant | ●● | -- | -- | ★ | ● | -- | -- | -- | |
| Dirty & Dusty Environment | ●● | -- | -- | ★ | ● | -- | ●●● | ●●● | |
| FDA Approved for Food Contact | -- | -- | -- | -- | -- | -- | -- | ●●● | |
| USDA H1 Lubricant | -- | -- | -- | -- | -- | ●●● | -- | ★ | |
| Temperature Ranges | -24°to 350°F | -24°to 350°F | -24°to 350°F | -24°to 350°F | -24°to 350°F | -24°to 350°F | -24°to 302°F | -24°to 350°F | (304)1200° (316)1300° |
| Attachments Available | Yes | Yes | Yes | No | No | Yes | Yes | Yes | |

* HV Series applies to Blue Box only.

*** Every application is unique. This chart is meant as a guideline. Temperature ranges can vary based upon application and lubrication. We recommend a consultation with a member of the Renold Engineering Team, call 1-800-251-9012.

Engineered Chains



Engineering Expertise

Our engineers understand the unique requirements of your application. They have decades of experience specifying the right materials, sizes, and types of chains and attachments for a variety of operations. They have a thorough knowledge of metallurgy, so they can help you select the right solution for your operations.

Some of the many value-added engineering services we offer include:

- Surveys
- Wear Analysis
- Extended Warranty
- Service Agreement

Drive Chain

Renold Jeffrey Engineered Drive Chains run some of the most demanding applications in the world. These hard-working chains are found in construction, mining, and power transmission equipment. You'll find our drive chains on power shovels, cranes, elevators, debarking/mixing drums, machine tools and many other applications. The reason is simple. These chains are built to perform in environments where roller chain is not suitable.

All chain parts are designed to provide maximum fatigue and wear life. We use high-quality, proprietary steels. Plates are through hardened for maximum toughness. Bearing components are optimized for wear resistance while retaining toughness. Every part is manufactured to Renold Jeffrey tolerances for higher performance and quality. Our in-house heat treatment allows us to better control the process and to deliver longer-lasting chains. We build the highest quality into every part.





Elevator Chain

Renold Jeffrey Bucket Elevator Chains are built to last. All components are manufactured from high-quality proprietary steels for maximum wear life and toughness. Pins are through hardened and then induction hardened for maximum wear resistance. Bushings are carburized to optimized depths to resist wear, but remain resistant to high loading. Through hardened sidebars provide optimal strength and toughness. Exceptional plate hole quality and full round pin-and-bushing design provide optimal press fits and maximum fatigue resistance.

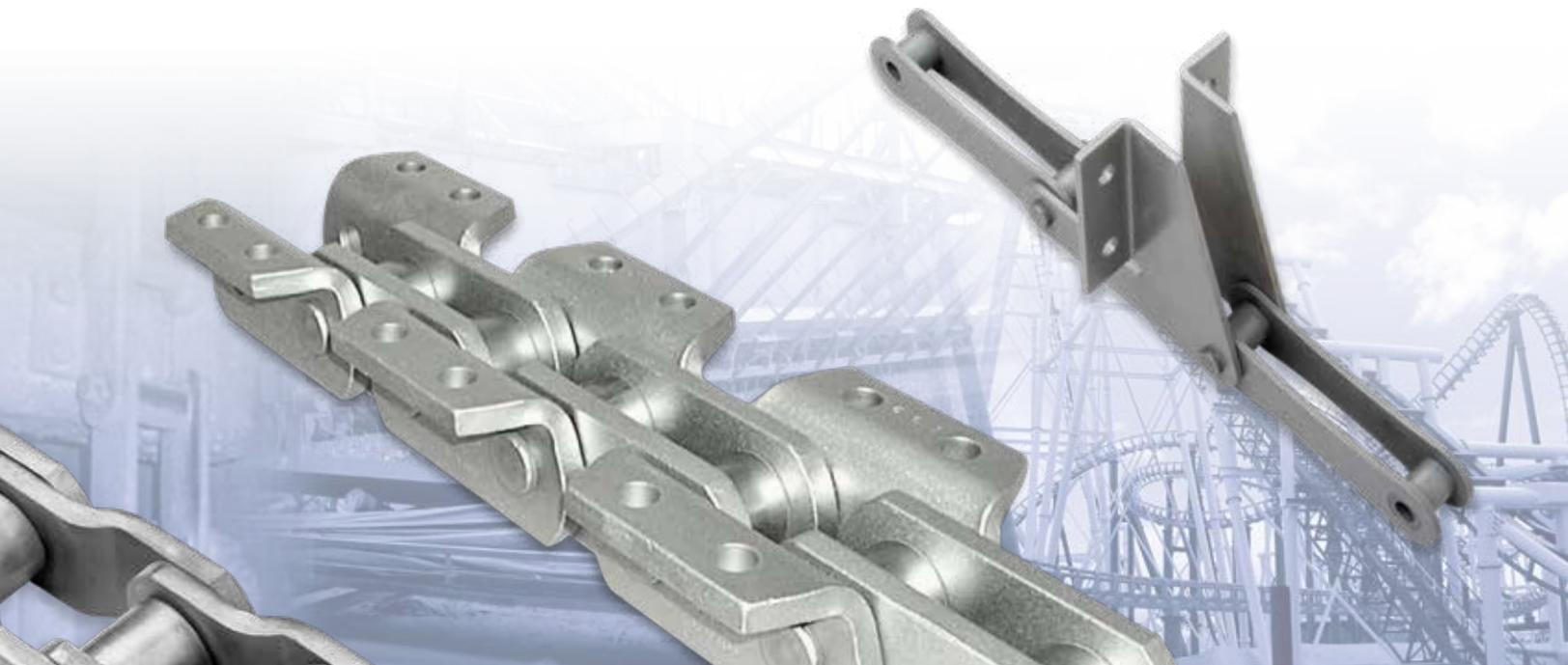
Solution-oriented design innovations are available such as sealed joint, and mechanically treated components for even higher resistance to abrasive materials.



Specialty Chains

Retrofits of existing OEM designs using Renold Jeffrey standard materials and processes are common, bringing Renold Jeffrey performance to your application. We also specialize in customer specific applications.

- Deep Pan Apron Conveyor, Breaker Feeder Chain, Reclaimer Conveyor, Reclaimer Chain
- Theme Park Chains, Corrosion Resistant Theme Park Chains
- Chains for the Bakery Industry, Chains for the Asphalt Industry
- Oilfield Chain, Sugar Mills Chains



Industries

Serving industries all over the world, Renold engineered chain expertise is based on design experience, flexible manufacturing techniques and the ability to adapt to a particular customer's requirements to produce the right result.



Cement & Aggregates

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



Bulk Material Handling

Renold Conveyors are ideal for moving product horizontally and up inclines. They are extensively used to handle bulk materials such as ore, sand, gravel, stone, coal, foundry/castings, industrial refuse and a variety of similar materials for light, medium, and heavy-duty applications. We offer a complete range of inboard and outboard roller styles, each built from high-grade, heat-treated materials for maximum wear resistance.



Sugar Mill

Moving sugar cane from harvest through processing requires top-quality chains that can stand up to abrasion, corrosion and high shock loads at ever increasing production rates. Renold has been making high-quality engineering chain for more than 130 years. We understand the importance of quality, reliability and consistency to keep your sugar mill running at peak capacity.



Oil & Gas

Renold Oilfield Chain meets -and exceeds- the highest quality design standards in the industry, including approval by the American Petroleum Institute (API). Count on Renold for all your chain requirements for oil and gas extraction. We maintain large inventories of popular sizes, so you'll have them when you need them-and fast.



Food & Beverages

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. Renold is recognized through the industry for its capability to create specific solutions to customers' unique requirements.



Theme Parks

Renold manufactures 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. We also understand the safety requirements of the theme park industry and design and manufacture our chains to ensure reliable, trouble-free operation in service.



Wastewater 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 produces non-metallic chains, sprockets and flights for use in suitable applications.

RENOLD



General Products Overview

Roller Chain & Engineered Chain

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