Quality & Perfection Renold Chains for the Glass Industry



Chain solutions for glass production – The one stop shop!

- → Tooth Chains are exclusively Made in Germany, Quality standard ISO 9001:2015
- > Conveyor and Transmission Chains are made according to the highest international standards!



Our joint History

 Committed to excellence in product quality, engineering innovation, and customer service, Renold has over 130 years experience in power transmission together with our extensive application knowledge.



Tooth Chain solutions for hot end production

- High life time and reduced maintenance down time
- → Low elongation to keep the exact position over the lifetime
- ✤ No gap with the transfer plates
- → Air flow through the chain for product cooling and stabilisation
- → Safe footprint for precise and stable transport of the products
- → Low sliding friction with the products

- High abrasion resistance of the plates due to sliding friction with the machine table
- → Low heat dissipation through the chain
- → High temperature resistance
- Chemical resistance against coating products
 Renold can answer all!



Unique 2-pin rolling pivot joint design

- → The 2-pin rolling pivot joint considerably decreases elongation and thus increase life time
- → Rolling of two pins versus sliding between the plates and the pin with a single pin pivot
- → Low elongation to keep the exact position over the lifetime
- → Every layout possible, also in stainless steel without influence on the life time



Every layout possible without influence on lifetime

- > The Renold 2-pin rolling pivot joint transfers all dynamic loads directly from pin to pin only
- ➔ No influence of the chain layout on the life time
- → The widest range of airflow adjustment and reduction of product contact



Special solutions

- Various common layouts like multi-guide/stacker versions, rim enforcement, double plates, inner loose sections with double rings, special thin washers (1 mm only!) to cope with all kind of products
- → Special cleaning washers to keep chains flexible



Laser welding of the external plates

→ Smooth and large contact surface on both sides

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→ Minimum size gap (reliable transfer)

Laser welding

- → No lateral movement of pins due to the welding
- → Safe footprint for precise and stable transport of the products
- → Patented TRILEG design for reduced wear abrasion and elongation



Renold solutions to avoid micro cracks

The base: Renold edge-rounded plates

- → Low sliding friction with the products
- → Safe footprint for precise and stable transport of the products
- ➔ Reduces tipping of top heavy glass bottles
- ➔ Reduces forces for crosswise moving bottles

The premium: Use of stainless steel

- → Lower heat dissipation rate
- ➔ Increase of resulting contact temperature glass to chain
- → Improved heat resistance
- → No pre-heating required



More chain solutions for glass production processes

Conveyors Chains - Scraper Conveyors

- More than 50 years experience in the production of conveyor chains
- → Experience in all industry sectors
- → Own engineering and development capacity

Certification

- → QMS ISO 9001-2008
- → QMS 14001
- → QMS API Spec 7F
- → QMS 18001 H&S



Conveyors – Scraper Chains

- Developed for high abrasive and wet environment
- → Breaking loads of 100 to 550 kN are common
- → Inboard or outboard roller design
- → High impact loads are common with this type of system
- → Pitch : 50.00 mm to 300.00 mm
- → Scraper attachment (welded)
- → Also available with special coating / hard chromed



Conveyor chain sprockets

Sprockets – with shaft assembly

Sprockets – with chain seating before despatch

Traction wheel – OD Induction hardened for high wear resistance



Renold Conveyor Chains and Scraper Conveyors are used in

- → Glass industry
- Steel mill industry
- → Cement industry

- → Fertilizer industry
- → Paper industry
- Mining industry

- → Rice mill
- → Food industry
- ➔ Poultry & slitter
- → General conveyor application



And even more chain solutions for glass production

Transmission chain for power transmission and packaging areas

- → A global, market-leading supplier of chain
- → Renold Synergy, offers unbeatable wear and fatigue performance
- → Over 100 years experience
- → 100% in house production
- → Largest range of general transmission and solution chain

Chains made by Renold will help you to **increase lifetime** and **decrease maintenance downtime** at your production line.

You will **increase** your **productivity** and **decrease** total production **COST**.

5 Chains made by Renold

Thank you for choosing Renold!

RENOLD

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to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not re-lease the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

The data specified only serve

For local support contact your local Renold sales team, visit www.renold.com or call +44 161 498 4600

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