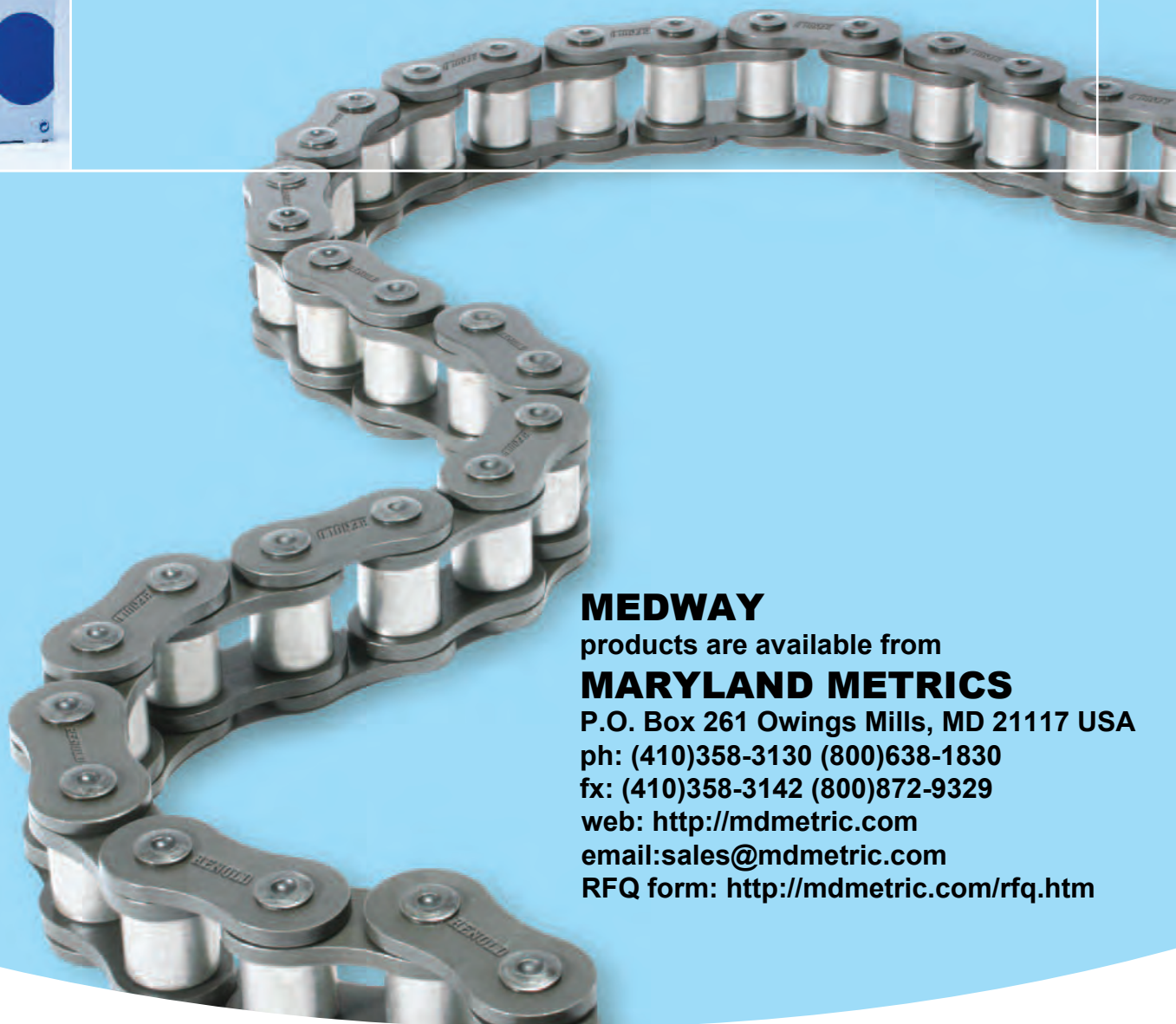




# Renold Roller Chain



RENOLD



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# **RENOLD**

*Superior Chain Technology*

# Renold Roller Chain

The consistent performance of Renold roller chain is ensured by a programme of continuous testing and quality audits.

Renold's unique control over pin / bush contact makes sure that wear life exceeds other brands. Little initial chain adjustment is therefore required.

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

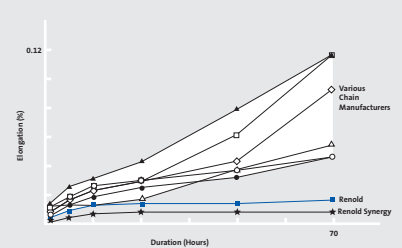
Breaking loads exceed the minimum requirements of the international standards.

The specification of Renold roller chain has evolved from decades of design, test and application experience which delivers product reliability and consistency.

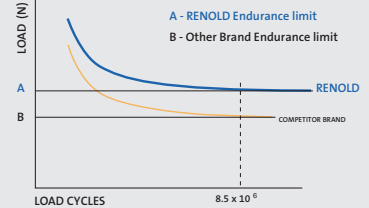
We strictly control;

- Materials
- Heat Treatment
- Processes
- Fits
- Assembly
- Lubrication
- Packaging

COMPARATIVE WEAR TEST - 0.5" Pitch Simplex Chain



S-N CURVE



The combination of all the features described ensures Renold Chain out-performs other brands as shown in the S-N curve above.



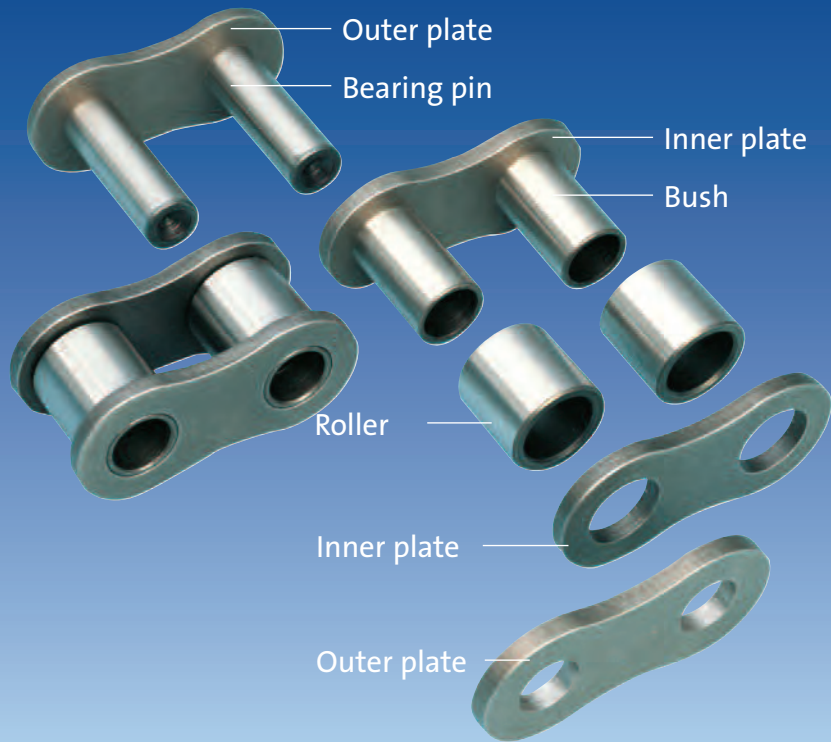
*Renold's end-softened pin and spin rivet help to minimise downtime. All you need is a Renold pin extractor and you can disassemble Renold roller chain in seconds; no need to grind the head of the pin, no need for lengthy downtime.*



Fatigue life is substantially improved by optimising fits between pin, bush and plates and controlling plate hole quality. Sprocket life is enhanced by matching the chain gearing exactly to the tooth form.

Renold pioneered ball drifting to create precisely controlled holes, which combined with other Renold process technology reinforces fatigue resistance and improves wear performance.

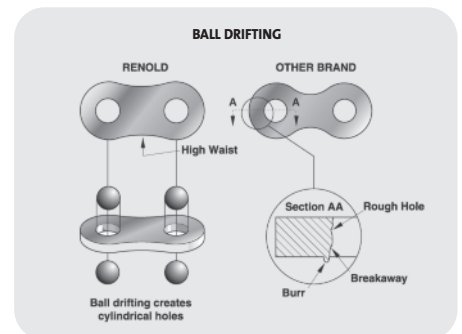
Fatigue life is further enhanced by shot peening and other pre-stressing processes.



Specially formulated lubricants reduce initial wear, give corrosion protection and ensure long storage life.

Renold pins are case-hardened and centreless ground producing perfectly cylindrical diameters with extremely high surface hardness.

Component life is maximised by the expert use and control of heat treatment.



*For more information  
or to contact your  
local sales team go to*

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Ref: REN20 / ENG / 12.12

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