



**RexPro**

***Rexnord expertise creating  
the highest performance***

***RexPro -  
high performance  
chain***

- The solution for*
- Corrosion protection
  - Wear resistance
  - The environment
  - Optimum performance

# Rexnord expertise creating the highest performance



## RexPro -

### The new performance class for quality chains:

The new RexPro is the result of further Research & Development by Rexnord into high performance chains. Based on the further development of previous high quality chain, a combination of selected steels, optimized production methods and RexPro's lubrication have resulted in superior characteristics and performance:

- ▶ **Superior corrosion protection**
- ▶ **Improved wear resistance**
- ▶ **Excellent environmental characteristics**
- ▶ **Optimum performance**



### Superior corrosion protection

8-10 times better than the best European or Japanese quality roller chain competitor. Tested according to the Salt Spray Test DIN 50021 SS / ISO 9227 SS.

During the salt spray test programme, RexPro proved to be more than 100% better than the best competitor for link articulation in aggressive environments.

#### Results in:

- ▶ Rust free chain installation in damp environments
- ▶ No stiff joints / links
- ▶ Longer service life



### Improved wear resistance

The new RexPro high performance chain has an 8-12% improved wear resistance compared to its predecessor.

In comparison to current standard lubrication, the RexPro lubrication offers over 150% better protection against cold welding (DIN 51834).

#### Results in:

- ▶ Longer service life
- ▶ Improved economics



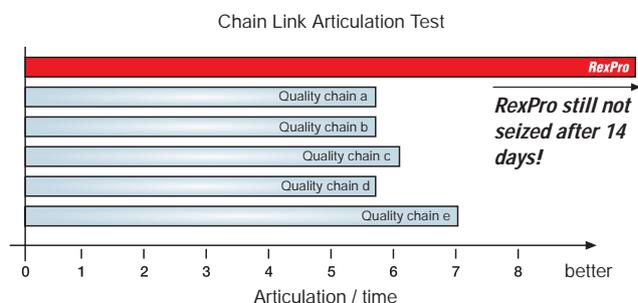
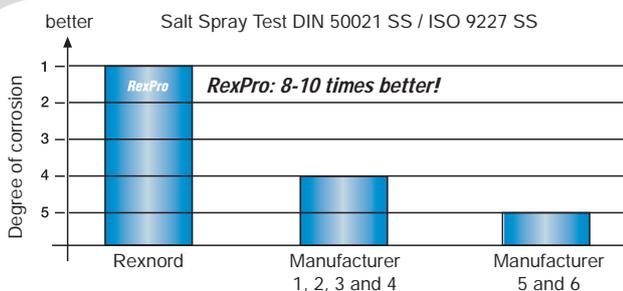
### Excellent environmental characteristics

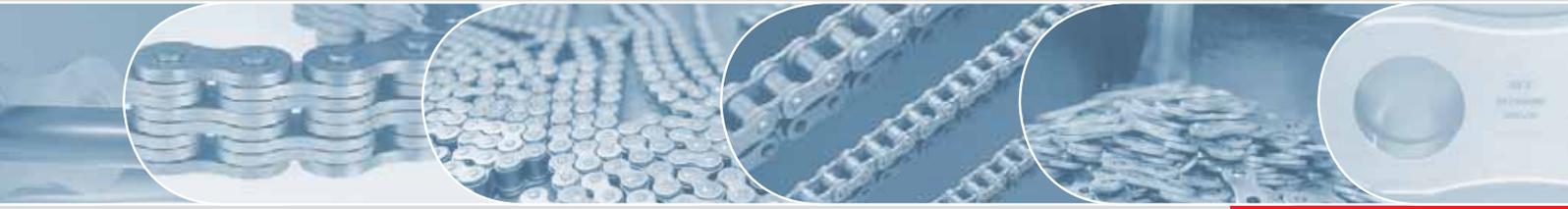
The new lubrication for RexPro contains no heavy protection metals, no teflon and no silicon thereby exceeding new environmental standards.

Rexnord is certified according to Environment Management System ISO 14001: 2005

#### Results in:

- ▶ NSF-H2 certification for the food industry
- ▶ RoHS:2005- conforms to the electric/electronic equipment
- ▶ RexPro fulfils the environmental stipulations of market leading manufacturers





**RexPro**

# Optimum Performance



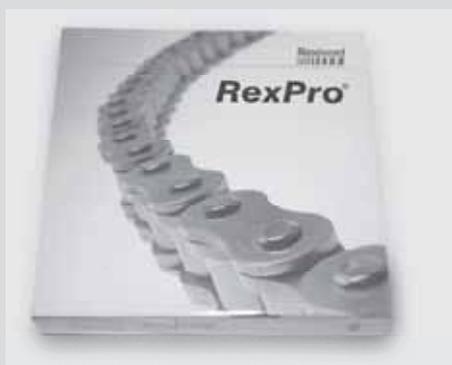
## Heat treatment

Chain pins and bushes are case hardened for maximum surface hardness to optimum depth which results in an extremely long wear life.

Specially selected high performance steels ensure optimum and constant component and chain characteristics.

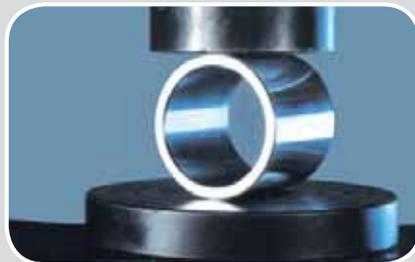
RexPro's lubricant is highly compatible with commercially available mineral and synthetic chain lubricants.

An additional advantage, even at high temperatures, is the non drip characteristic of the new lubricant.



## Ball-drifting

Ball-drifting of the plate bores achieves maximum hardening of the material. This produces an enormous improvement in the press-fit and thereby the fatigue strength.



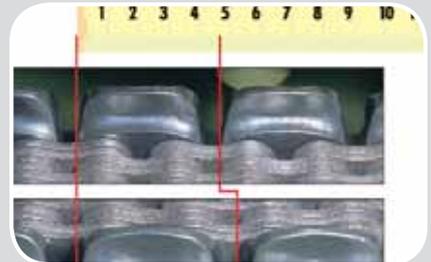
## RexPro has seamless rollers

RexPro's rollers are permanently resistant to shock forces. This is achieved by special hardening and tempering and then shot-peening. The result is the best possible bearing surface and an especially unique evenness of running.



## Shot-peening

To further improve the fatigue strength, all plates, bushes, pins and rollers are shot-peened. With this effective method of cold working, the surface is additionally hardened and the load bearing properties improved.



## High pre-loading

RexPro roller chains are "run-in" under high load conditions after assembly; thus ensuring that the initial "bedding-in" elongation is kept to a minimum.

**RexPro -  
high performance  
chains fulfill many  
demands in a wide  
range of industries:**

Industries:	Demands:	Corrosion protection	Wear resistance	Environmentally friendly	Food certification	Cleanliness	Splash resistant	Non drip	Sufficient lubrication	Paint compatibility
Automobile										
Beverage and filling plant										
Textile										
Food and confectionery										
Packaging										
Conveyor technology										
Pharmaceutics										
Paper and timber processing										
Machine and plant construction										
Agricultural machines										

## The RexPro product spectrum

**RexPro** the new Rexnord Standard encompasses almost the complete family of standard high performance chains according to BS and ANSI as illustrated in the Quality Chains catalogue.

- ▶ High performance roller chains in the sizes from 04 to 72 B-3
- ▶ Leaf chains in the sizes from AL 422 to F 76-88

For optimum lubrication and continuous superior performance, Rexnord recommends **RexOil**, the long-term lubricant.

