

# DRIVES ELEMENT<sup>®</sup> CHAIN

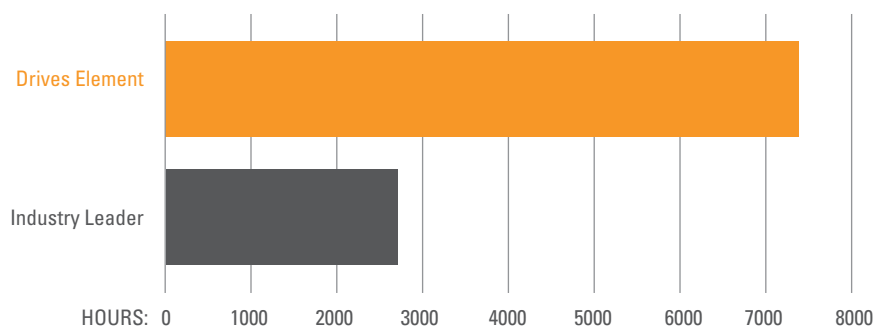
Roller chain operates best when effectively lubricated. The reality is, regular lubrication is not possible for every application.

Designed specifically for applications such as packaging, conveying, and food and beverage where regular lubrication is often impractical, Drives Element<sup>®</sup> redefines performance as a reduced maintenance, lubricant-infused chain.

## KEY FEATURES

- **Lubricant-infused bushing** gives supplemental lubrication to the pin/bushing joint
- **Extended Life CHP<sup>®</sup>** pins provide a smooth, hard pin surface for exceptional wear performance
- **Silver Shield CR<sup>®</sup>** coating provides added corrosion resistance

**DRIVES ELEMENT CHAIN DELIVERS MORE THAN 2.5X WEAR LIFE OVER THE COMPETITOR.**



Accelerated wear test conditions: ANSI 60 chain, 275 RPMs, 230 lbs. (1023N) tension, 3.0 chain horsepower (2.24 kW), 23T x 23T sprockets.

## PRODUCT SPECIFICATIONS

- Available in ANSI 40, 50, 60, 80 and conveyor C2040, C2050, C2060H and C2080H sizes
- Temperature: 14°F to 302°F (-10° C to 150° C), with a reduction in performance starting at 140°F (60° C)
- Speed: Up to 160 fpm (0.8 m/s)

## INDUSTRIES SERVED

- Food & Beverage
- General Industry
- Material Transport
- Packaging



We provide state-of-the-art engineering which includes research and development, product testing, and a multi-step manufacturing process.

## OUR PROCESS

- **Materials** – high-quality steel with minimal impurities offers increased tensile and fatigue strength
- **Fabrication** – exacting dimensional standards offer optimal performance by ensuring components fit together as precisely as possible
- **Heat Treatment** – strict atmosphere and quench control optimizes material properties to increase strength, durability and wear resistance
- **Shot Peening** – consistent shot peen intensity and coverage adds a layer of compressive stress, helping components resist fatigue failure when exposed to repeated high loads
- **Lubrication** – proprietary lubrication enhances corrosion protection and lessens the effects of friction to increase chain life
- **Preloading** – pre-stressing of the finished product reduces initial “stretching” to extend chain wear life

## LET US HELP YOU

For more product information, contact your local Diamond-Drives sales representative or visit [diamonddrives.com](http://diamonddrives.com).



Drives® chains are part of The Timken Company's portfolio of engineered bearings and industrial motion products.

[www.diamonddrives.com](http://www.diamonddrives.com)

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