



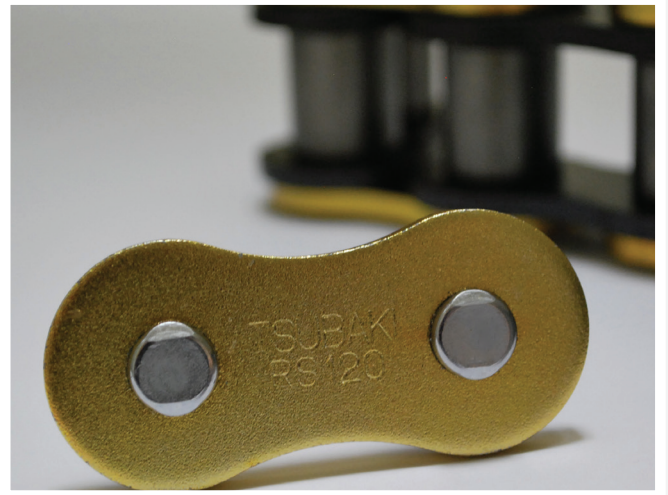
**Titan<sup>®</sup> Series Chain**  
For Improved Wear Life



**TITAN<sup>™</sup>**

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

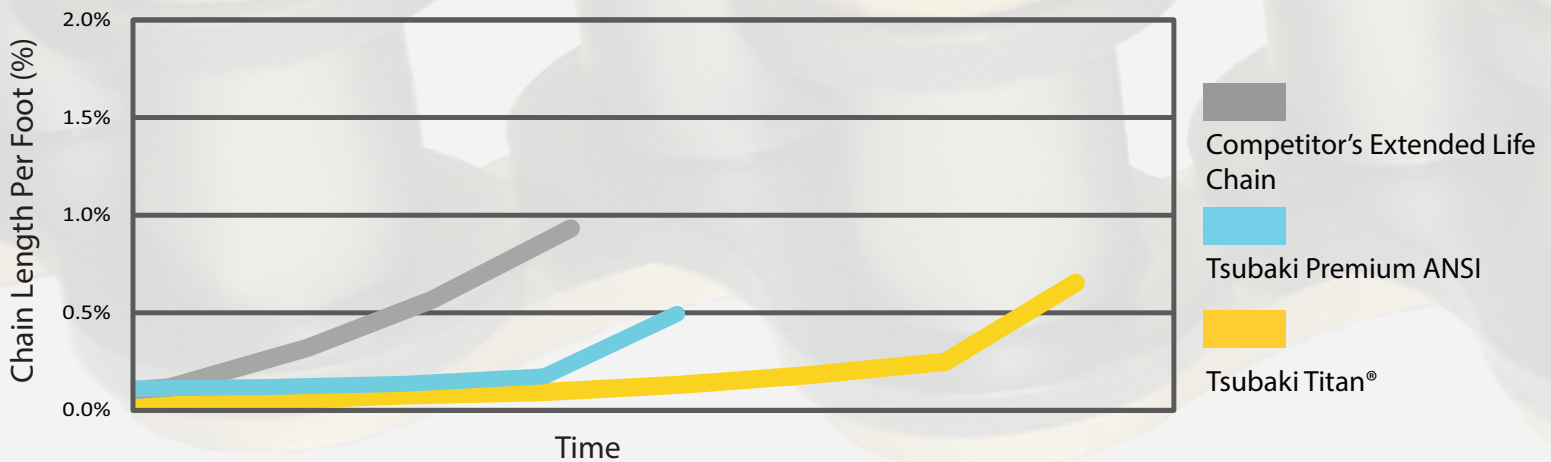
Titan® chain integrates the latest advancements from Tsubaki's research and development to increase the wear life of roller chains in high speed and harsh environments. Our Titan® chain incorporates the best features of our standard ASME/ANSI chain coupled with new and unique features that will outperform competitors' extended life chains. Titan® chain delivers the ultimate in strength and extended wear life.



## Tsubaki Titan® Chain Offers Distinct Advantages

Titan® provides a harder surface, lowering friction pin which limits the wear between the pin and bushing area. Titan® chain has been tested against other manufacturer's chains and the results are obvious, Titan® chain extends wear life and outperforms the competition in similar environments.

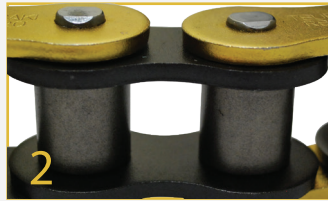
## Competitive Testing Wear Results\*



\*Results based on Harsh Environment Operating Conditions. For more information, consult factory.

# OUR APPLICATION TO A GOLD

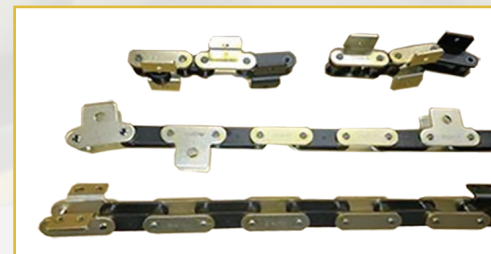
## Titan® Chain Construction



- 1. Special Coated Pins** - Provide an extra hard, low friction surface limiting the wear between the pin and bushing area, significantly extending wear life, and providing robust performance even in high debris environments.
- 2. Zinc Coated Pin Link Plates and Black Oxide Roller Link Plates** - Provide an additional layer of protection for corrosion resistance.
- 3. Solid Lube Groove Bushing** - Tsubaki's patented PerforMax™ bushings are cold formed from a solid piece of steel providing seamless construction. The solid construction and round shape means better surface contact between the pin and bushing while lube grooves on the inner surface of the bushing retain oil at the point of contact further increasing wear life. The PerforMax™ bushing is offered in sizes 80-140.
- 4. Ring Coined Connecting Links** - Tsubaki's patented ring-coining process increases fatigue strength and durability of the connecting links. The unique process causes positive compressive stresses around the pitch holes to counteract shock loads. This provides longer service life in your most demanding applications.

Titan® Series Chains are available in a variety of drive and conveyor chain options, including:

- ANSI sizes 40-240
- British Standard
- Multi-Strand
- With Attachments
- Engineering Class
- Custom, Made-to-Order (MTO)



*\*Other Tsubaki products are also a great compliment to our Titan® Series Chains. For more information on all of our offerings, visit [www.ustsubaki.com](http://www.ustsubaki.com)*

# TITAN

# STANDARD

## Common Applications



Lumber Mill



Harsh Environment Drives



Foundry Drive



Rubber Tire Festooner



Bakery - Bread Slicing

Other Applications Include:

- Cement
- High-temperature Ovens
- Potash
- High Speed Conveyors

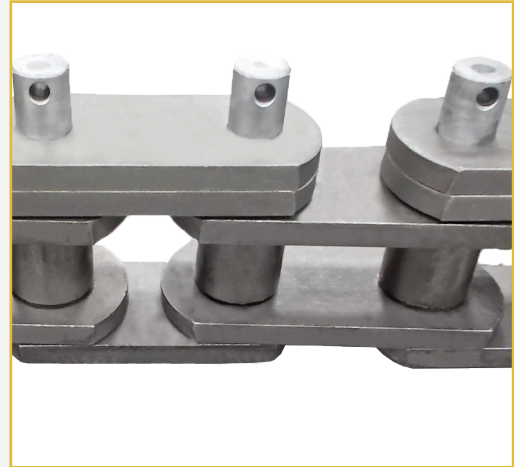
# TITAN

# ENGINEERING CLASS

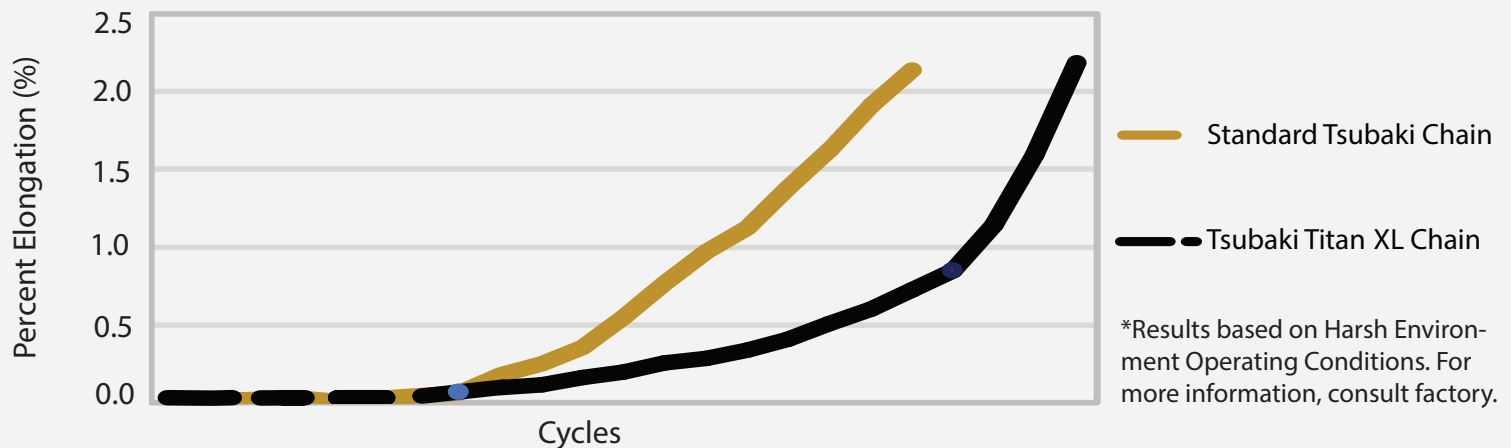
## TITAN<sup>XL</sup>

### Proven Performance for Titan<sup>®</sup> Size Chain

- 1. Proprietary Titan<sup>®</sup> pin coating** specifically formulated for extended wear in harsh Engineering Chain Applications.
- 2. Extends chain life** - Effectively delays the onset of aggressive, dry wear and in turn extends chain life—maximizing production uptime and operational throughput.
- 3. Applications** - Ideal for Heavy-Duty Engineering Class Drive, Conveying and Elevating applications.
- 4. Design** - Available on most Tsubaki Engineering Class Chain designs.
- 5. Industries** - Well-suited for mining, cement and heavy industrial applications.

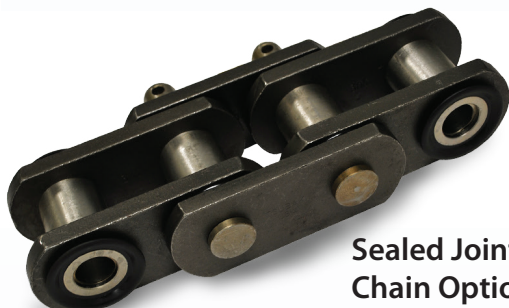


### Tsubaki Titan XL vs. Tsubaki Standard Chain



# TITAN

# Some of Tsubaki's Other Problem Solving Products



Sealed Joint Chain Options



Backstops & Overrunning Clutches



Steel Cable Carriers



Continuous-Flex Cables



SMART TOOTH™ Sprockets



Lube-Free Lambda® Chain



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