



SMART TOOTH®

SETTING THE SPROCKET STANDARD

A close-up, low-angle shot of a Tsubaki Smart Tooth sprocket. The sprocket is dark with a prominent, sharp tooth. The Tsubaki logo and the words "SMART TOOTH" are embossed on the sprocket's face. Two small, glowing yellow lights are visible on the top of the tooth.

TSUBAKI
SMART TOOTH

WHY CHOOSE TSUBAKI SMART TOOTH® SPROCKETS

Choosing the right sprocket goes a long way in maximizing the life of your chain and operations. Keep your operations ahead of costly downtime with Tsubaki SMART TOOTH® sprockets. These sprockets make it easier to proactively identify and schedule drive system maintenance before critical component failure occurs. Over time in service, the sprocket tooth profile area is reduced due to induced load created by the chain roller.

FOR OPERATIONS WHERE FAILURE ISN'T AN OPTION, THERE'S SMART TOOTH®

HOW SMART TOOTH® MAKES YOUR OPERATIONS SMARTER

Tsubaki SMART TOOTH® sprockets tell you when they need replacing. The strategic placement of our Wear Indicator pins on one or more sprocket teeth provides visual indication that a sprocket is still within the allowable wear tolerance, or that it needs to be replaced.

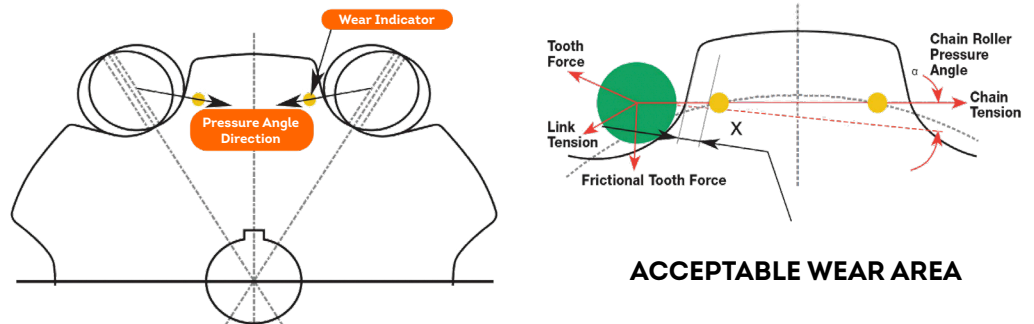


FIGURE 1 - Theory of Operation

Figure 1 displays how Wear Indicator pins are strategically placed on the thrust faces of the sprocket tooth, where the resultant pressure angle of the chain roller would create wear.

AVAILABLE FOR:

- Single and multiple strand sprockets
- ANSI 80 through 240 pitch sprockets
- Engineering Class sprockets
- Carbon steel and stainless-steel sprockets
- Type A (no hub extension), Type B (one-sided hub extension) and Type C (two-sided hub extension)
- Taper-Lock®, Split-Taper and QD® style sprockets

**FIGURE 2 - Comparison
New (1) vs. Worn Sprockets (2)**

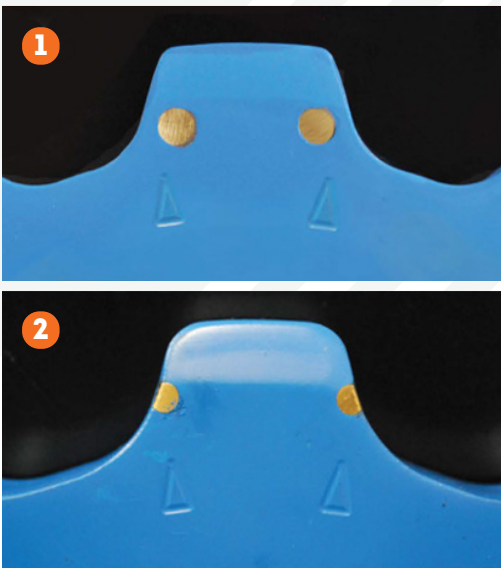


Figure 2 provides a comparison and example of a sprocket that was removed from service due to chain failure. Notice the difference in chain engagement between the new and worn sprocket.

WHAT MAKES SMART TOOTH® THE MOST VALUABLE SPROCKET

- Extended chain life through predictable maintenance
- Eliminates the guesswork associated with worn sprockets
- Reduces overall cost of equipment ownership
- Provides warning of catastrophic drive failure
- Provides the opportunity to schedule maintenance based on sprocket wear rate

IDEAL INDUSTRIES AND APPLICATIONS



Mining

- Rotary Breakers
- Feeder Breakers
- Reclaimers
- Drill Rigs



Cement

- Bucket Elevators
- Conveyor Systems
- Rotary Drive Systems
- Reclaimer Systems



Oil and Gas Exploration

- Coiled Tube Injector
- Draw Works



Other Applications

- Amusement Parks
- Foundries
- Asphalt Shingle Plants- Loopers
- Sugar Processing
- Grain Drag Conveyers

NEW!

SOME SMART TOOTH® SPROCKETS ARE NOW EQUIPPED WITH QR CODES FOR STREAMLINED REORDERING

If your sprocket has a physical QR code, you can now scan it and immediately request a quote for hassle-free reordering.

As easy a 1,2,3...

1. Scan the Qr Code with your phone
2. Fill out the form and click "submit"
3. Receive a quote via email





EXCELLENCE THROUGH INNOVATION SINCE 1917

For over 100 years, Tsubaki has developed and manufactured the highest-quality products for power transmission and motion control. With a vast network of global production facilities, R&D resources and sales offices, Tsubaki remains committed to providing innovative solutions to customers' problems for the next 100 years.



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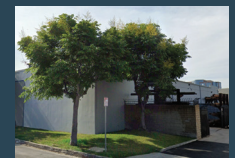
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READY TO OPTIMIZE YOUR OPERATIONS WITH TSUBAKI SPROCKETS?

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