



Custom Sprocket Design and Manufacturing



Engineering Capabilities

Our ability to provide engineered solutions features a collaborative approach with customer application data driving customized Tsubaki solutions. Introducing Tsubaki SMART TOOTH® technology.

- Tsubaki CAD system universally translates customer input
- Custom design assessment determines your application drive system and performance needs
- Custom tooth profiling
- Engineers available for customer and application visits



Large Engineering Class Segmental Sprocket with split hub



Triple Strand Roller Chain Sprocket with large finished bore and custom split design

SMART TOOTH Sprockets offer the ability to know when it is time to replace sprockets, before catastrophic failure occurs. SMART TOOTH employs Tsubaki's Patented Wear Indicator Technology that allows users to recognize when the wear of the sprocket has gone past usable limits.

Value:

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



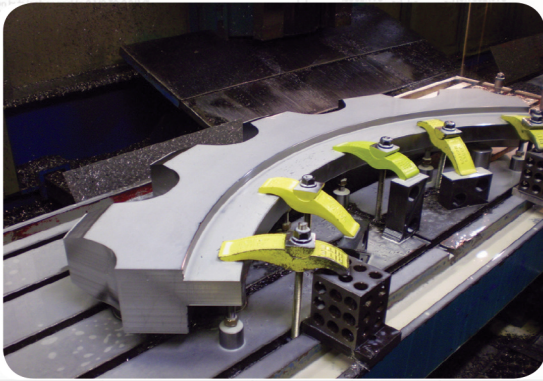
TSUBAKI SMART TOOTH®



Machining Capabilities

The sophistication and range of Tsubaki facilities exists to create sprocket solutions large and small in quantities from one-piece custom orders to high-volume production.

- CNC/manual turning to 99" diameter
- Three-axis machining, 110" by 40" by 36"
- SMAW/GMAW welding is CWB certified to 47.1
- Traditional hobbing to 60" diameter
- Induction and flame hardening to 120" diameter



Triple Strand Roller Chain Sprocket machined solid web-style with mounting hole and lightning holes.



Spline Bore Drive Sprocket



Large Engineering Class Sprocket "gap tooth" for chain attachments



Tsubaki has invested in strategic equipment to become a multi-faceted manufacturing facility with a wide range of milling, turning, hobbing, welding, assembly and waterjet capabilities. For example, our waterjet machine has a 120" x 120" bed size and can cut through almost any type of material.

Delivery and Quality

Tsubaki's exceptional delivery never compromises its commitment to outstanding quality and unmatched service.

- ERP/MRP software ensures on-time customer expectations are met
- Fully equipped quality lab features destructive testing and microscopic analysis
- TQM provides assurance of quality at every step of our relationship with you from inquiry to delivery
- Engineers are available by phone or in person, before or after your purchase to help meet your application needs, no matter how unique



Quality inspectors perform shipment audit to ensure each sprocket has been manufactured to the correct specifications every time



Tsubaki stocks a wide range of sprockets enabling us to deliver the highest quality sprockets quickly. All Tsubaki products regardless of application are held to the highest precision tolerances with strict quality standards. Our dedicated quality and engineering team are continually focused on all processes of manufacturing including reducing process variation, improved production flow, and reducing waste in order to decrease cost for our customers. Our IQS Quality Management system software help us to maintain and track orders while providing the highest standards of quality to our customers, from concept to finished product.

Sprockets and chain are like cars and their tires. You wouldn't buy a car without tires. Why buy chain without sprockets?

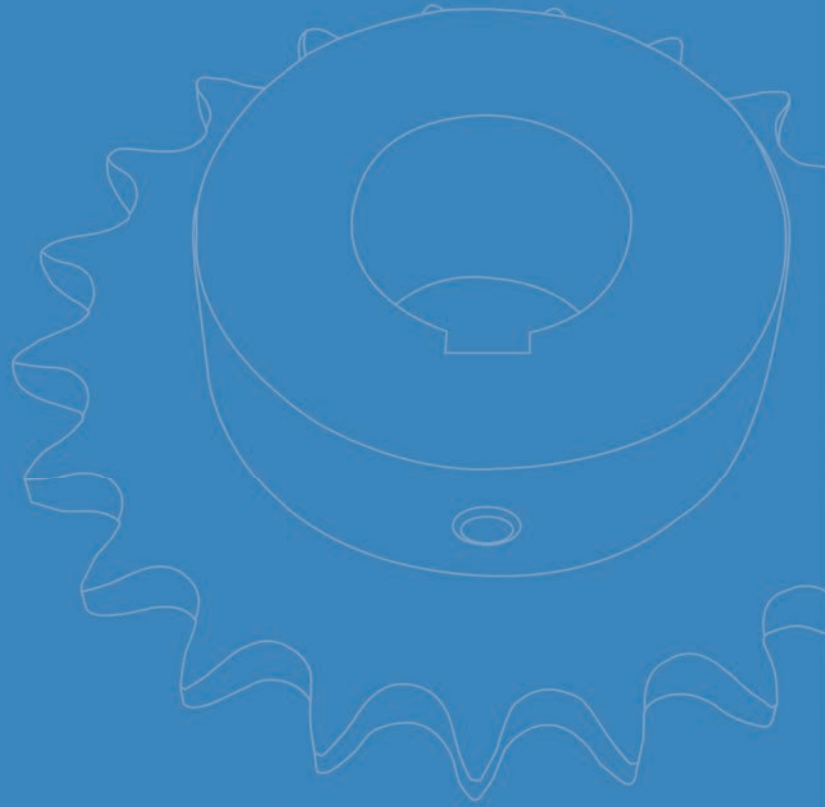
Tsubaki has been manufacturing ready-made and made-to-order sprockets for your convenience since 1976. Whether you're looking for industry standard, modified, or custom-made sprockets, Tsubaki will find a way to provide you with high quality and dependable sprockets time after time. We take pride in our ability to deliver a product lineup that satisfies your expectations over a variety of applications and uses. Our customers WANT the best and it is our mission to supply them with the best.

Tsubaki's sprockets are highly engineered with tight tolerances that utilize state of the art design. They are also built from top-grade carbon steel, to offer long wear life, resist abrasion, and withstand heavy shock loads. Tsubaki's capabilities include CNC machining for special machined tooth profiles, heat-treating, and the ability to provide a variety of other requested sprocket characteristics. Our CAD delivery capabilities allow us to provide highly customized solutions for almost any industry and application, no matter how unique it may be.

With Tsubaki, you get long service life and reliable performance, turn after turn, time after time. You may know us for our chain, but our well known reputation isn't only applicable to our chain. We stand behind all of our products with the same confidence and pride as we do our chain.

It is all part of the Tsubaki Advantage: dependable premium products that don't just perform, they outperform customer's expectations; all while saving you money.





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NOTE: In accordance with the policy of U.S. Tsubaki Power Transmission, LLC to consistently improve its products, the specifications in this catalog are subject to change without notice.

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