Quality Components

High-Strength Sidebars

Sidebars for Tsubaki Drive Chains with an ultimate strength rating higher than 112,000 pounds are manufactured from alloy steel and are thru-hardened; this adds strength and extends the life of the chain. In addition, our advanced manufacturing techniques ensure accurate hole size and precise pitch control, distributing the load equally and providing smooth gear interaction.

Precision Machined Bushing

Bushings for drive chains are precision machined and ground to provide smooth bearing surfaces. They are thru-hardened and/or case hardened to meet your application.

Alloy Steel Induction Hardened

All Drive Chain pins are made from alloy steel and are thru-hardened for toughness and strength. In addition, our pins have an induction hardened surface. This provides the best combination of high yield strength and superior wear resistance.

Shock-Resistant Rollers

Our rollers are made from a high quality material for use when critical tolerances and superior finish are required. Then they are thru-hardened to withstand high shock loads.

INDUSTRY/APPLICATION

MACHINERY

Construction Crane chains

Asphalt Drum drive

Foundry Drum drive

Sugar Mill Roll drive

Sugar Mill Feed roll

Steel Mill Furnace door

Steel Mill Steel mill reclaimer for iron ore and coal

Steel Mill Draw bench

Refinery Drum drive

Mining Crusher

Mining Drilling machine (long hole blasting)

Pulp & Paper

Drum drive, barking drum

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www.ustsubaki.com
## Engineering Class Drive Chain

### Keep your Operation moving with Tsubaki Chain

Tsubaki Drive Chains are designed to exceed the listed ultimate strength ratings. These ratings are very significant. Chains with greater ultimate strength have higher actual yield and greater fatigue strength. With Tsubaki Chains, you get extra reserve strength to withstand high shock loads.

### Precision Manufacturing Means Greater Fatigue Strength

Tsubaki Engineering Class Drive Chains are built to withstand the most rugged conditions. We use the latest manufacturing and heat treating techniques to manufacture every component. Each component is carefully manufactured to close tolerances to ensure precise pitch control for smooth sprocket-chain interaction. That means, longer service life for chain and sprockets.

### Add the Power of Alloy

When parts require high ultimate strength, we use alloy steel to make the components. This provides more uniform core strength, which is particularly important for heavy duty applications. Every Tsubaki Drive Chain with an ultimate strength rating higher than 112,000 pounds is made entirely of alloy steel. All Tsubaki Drive Chains are furnished with alloy steel pins.

### Reduce Maintenance Costs and Downtime

Tsubaki Drive Chains stand up to the toughest environments for hours after hours of uninterrupted service:

- **Optimum Strength**
- **Alloy steel parts**
- **Accurate pitch control**
- **Fatigue resistant**
- **Press fit construction**
- **Pre-lubricated**
- **Pin-Driven**
- **Pin-bushing**

For information on Drive Chain selection guidelines visit ustsubaki.com and refer to page A5 – A15 of our main catalog.

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### Drive Chain Specifications

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### To help determine the proper drive chain, the following list is provided:

- **Chain**
- **Pitch**
- **SWL**
- **Pitch Diameter**
- **Approx. Weight**