An Industry Standard of Legendary Heritage

Tsubaki WORKHORSE™ elevator chains are specifically designed for use within aggressive bulk material handling environments with harsh fine particulates such as cement, lime, gypsum, salt and potash. Leveraging Tsubaki’s extensive heritage within the aggregate segment along with a proprietary blend of premium domestic steels and refined heat treatments, the WORKHORSE Series was uniquely bred to provide superior strength, maximum toughness and legendary dependability.

Ultimate Strength

Tsubaki’s WORKHORSE elevator chains are manufactured with specially selected, premium, high strength steels. Utilizing these specially selected materials and a portfolio of well refined proprietary manufacturing processes; Tsubaki WORKHORSE is able to achieve a premier ultimate strength rating, far exceeding many rival designs.

Unparalleled Toughness & Wear Resistance

The Tsubaki WORKHORSE is in a league of its own when it comes to wear resistance and toughness. Utilizing an exclusive and precisely refined series of heat treatments, WORKHORSE was born a little tougher, specifically to resist the abrasive and demanding forces of aggregate elevators.

Innovative Protection

Depending on the specific application, Tsubaki actively maintains an extensive portfolio of premium upgrades such as plated pins/bushings, and patented joint seals. These features can typically be incorporated individually or in combination. Please contact Tsubaki Engineering for assistance in selecting the correct features for your specific application.

### TENSILE STRENGTH RATINGS

<table>
<thead>
<tr>
<th>Series</th>
<th>Average Tensile Strength (ATS)</th>
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# WORKHORSE 5800 Series Detail

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<th>WIDTH</th>
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<th>PIN</th>
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# WORKHORSE 5900 Series Detail

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# WORKHORSE Attachment Detail

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<th>ATTACHMENT</th>
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<th>EST WEIGHT (lbs/ft)</th>
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**Notes:** All Dimensions in Inches; Shaded Items Stocked for Quick Shipment
Tsubaki WORKHORSE Elevator Chain - Bred for Superior Strength and Ultimate Durability

5800 Series

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WKHORSE-5958K44L2
WKHORSE-5984K443L2
WKHORSE-5956K24L2
WKHORSE-5958K44L2
WKHORSE-5984K443L2
Tsubaki’s Patented Sealed Joint Chain

1. Extended Bushing Barrier Seal:
The chain bushings are extended beyond the inside sidebars to minimize the clearance between the outside bars and the bushings. This in turn creates a solid barrier that inhibits abrasive material from entering the pin/bushing joint.

2. Polymer Wide Face Seal:
Constructed of a high temperature engineered polymer, this seal encircles the extended bushing and provides an additional particulate resistant barrier to help protect the joint and minimize contamination.

3. Stainless Steel Internal Ring Seal:
This patented seal holds tight onto the pin and rotates within a groove in the bushing, creating a labyrinth to help prevent debris from getting into the pin/bushing area.

Proven performance in harsh environments such as:

- Cement
- Gypsum
- Coal
- Sugar
- Grain
- Clay
- Coke/Carbon
- Fertilizer
- Potash

American Made. American Strong.™
Complete Solutions for Elevator Applications

Build reliability into your system with sprockets and power transmission components from U.S. Tsubaki.

SMART TOOTH® Sprockets
Tsubaki’s SMART TOOTH sprockets with patented Wear Indicator technology offer users the ability to identify and schedule drive system maintenance before critical component failure occurs. The result is extended chain life and reduced downtime for increased productivity. Tsubaki’s long history of designing innovative chain and sprocket products assures you will receive the best system solution.

ONE-TOUCH INSPECTION DOORS®
Save time and money with Tsubaki’s One-Touch Inspection Doors. Tsubaki’s patented prefabricated units are, economical, in stock and easy to install.
- Available in carbon or stainless steel
- Dust and rain tight
- Polyethylene, Epichlorohydrin and Silicon gaskets available
- Lockable

Backstops and Clutches
Tsubaki’s complete and versatile offering of one-way clutch products sets the standard for the industry. Whether your application calls for indexing, general over-running, or backstopping type units, Tsubaki has you covered. Incorporating Tsubaki clutch products offers a simple and cost effective means to drive and protect capital equipment that is critical to your operation. These innovative products can be used in conveyor, hoist, bucket elevator, pumping systems, and dual drive systems to improve efficiency and protect your operation.

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