



Designed to Defy Abrasive Conditions

Today, high demand for new roads and industrial buildings keeps cement plants running around the clock. Constant production, coupled with abrasive cement dust, takes a serious toll on production equipment — especially rotating in bucket elevators and conveyors where backstops and cam clutches are used.

When exposed to cement dust, the seals on typical backstops and cam clutches can wear prematurely, leading to issues such as:

- Loss of lubrication and/or cooling oil
- Equipment breakdown
- Hazardous waste disposal fees/EPA compliance
- Soil contamination from oil leaks

The resulting downtime, overtime and lost-production costs add up quickly. Even if you try to mitigate unplanned maintenance by stocking spares, you're still paying for it one way or another.

Rather than planning for failure, Tsubaki aims to prevent it. Over the past 50 years, we have taken the lessons learned from installations, in-house tests and field observations and used them to design a backstop specifically for the cement industry. With their closed design, our BS and BS-HS series of backstops and cam clutches do not require the use of a breather element, therefore eliminating the ingress of dust contaminants, resulting in reduced wear and longer service life.



BS/BS-HS Backstop

FEATURES

Synthetic grease only requires replacement annually

Unique multistage seal design

Breather element not required

ADVANTAGES

Minimal scheduled maintenance

Closed design limits dust ingress and minimizes lubricant contamination

Eliminates oil leakage concerns

Minimal hazardous waste disposal fees

More Innovative Solutions for Harsh Environments

Build reliability into your system with sprockets and power transmission components from 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 ensures that you will receive the best system solution.



TL Series Torque Limiter

Tsubaki has developed a superior torque limiter that allows for more precise adjustments than other products of the same name. We accomplish this by using a finer-pitch thread on the adjustment bolts, enabling accurate setting of the slip point — no longer settle for just a ballpark value. Tsubaki torque limiters use specially formulated friction materials to extend time between replacements and improve repeatability of the slip point. Tsubaki torque limiters provide long life, consistent performance, and the best value over years of operation.



WORKHORSE® Chains

Tsubaki's 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.



Corporate Headquarters
U.S. Tsubaki Power Transmission, LLC
301 E. Marquardt Drive
Wheeling, IL 60090
Tel: 800.323.7790



Roller Chain Division
821 Main St.
Holyoke, MA 01040
Tel: 800.323.7790



Conveyor & Construction Chain Division
1010 Edgewater Drive
Sandusky, OH 44870
Tel: 800.537.6140



Sprocket Manufacturing
1630 Drew Road
Mississauga, ON L5S 1J6
Tel: 800.323.7790



Cable & Hose Carrier Division
7100 W. Marcia Road
Milwaukee, WI 53223
Tel: 800.443.4216

PROTECT YOUR OPERATION! 800.323.7790 | ustsubaki.com



Note: In accordance with the policy of U.S. Tsubaki Power Transmission, LLC to consistently improve its products, the specifications in this flyer are subject to change without notice. The logos, brand names or product names in this brochure are trademarks or registered trademarks of Tsubakimoto Chain Co. and its subsidiaries in Japan, the U.S. and other countries.