

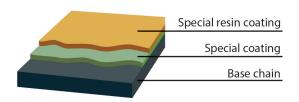
NEPTUNE CHAIN

Surface treated corrosion resistant chain

TOUGH AGAINST WATER & ALKALIS

New Surface Treatment Structure

The Neptune™ surface treatment combines Tsubaki's uniquely developed special coating and special resin coating for superb corrosion (rust) and chemical resistance.



Features

- High corrosion resistance
- Excellent chemical resistance
- Same strength as carbon steel chain
- Compensates for alignment in
- Less environment load



FOOD • WASTE • PACKAGING

FOR CORROSIVE ENVIRONMENTS

The Tsubaki Neptune™ Series is a top quality carbon steel chain that can be used in applications that are subject to alkaline cleaning and wet environments.

No strength Reduction

A special treatment process is used that does not affect chain strength (part hardness). NeptuneTM chains have the same tensile strength and allowable load as our standard roller chains.

Lower Environmental Load

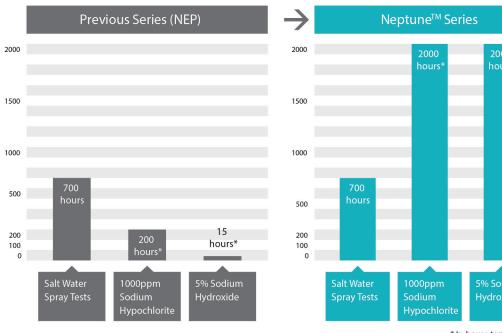
Neptune™ chains use no harmful hexavalent chromium in their corrosion resistant surface treatment, nor any other hazardous substances such as lead, cadmium, mercury, or arsenic. Neptune™ chains are RoHS compliant.

Eco Friendly

Manufacturing chain with a substantially longer wear-life serves the environment: less frequent chain replacement results in reduced consumption of raw materials and energy and reduces the CO2 emission. Neptune™ chain is a true eco-friendly product.

Typical uses for Neptune TM chain include:

- Food processing
- Waste treatment
- Packaging
- Bottling



Sodium hypochlorite and sodium hydroxide are used in the food industry to clean and disinfect. Both are alkaline aqueous solutions.

* In-house test comparison

ADVANCED LUBE FREE CHAIN



LAMBDA CHAIN

The rebirth of the drive chain, with improved quality and performance

Advanced Lube Free Chain

Tsubaki is a pioneer in the industry, being the first to develop a roller chain that uses special oil impregnated bushes. Since first being introduced in 1988, Lambda Chain has gained an outstanding reputation in a variety of industries and applications. It is capable of meeting a wide range of customer needs for long life in a lubrication-free environment, resulting in reduced overall long-term costs. Lambda Chain uses NSF-H1 lubricant, so it is safe to use on food equipment.



Features:

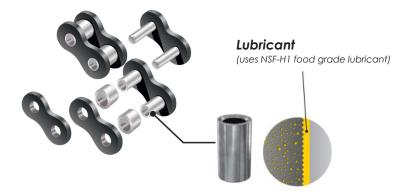
- Unique High performance, oil impregnated sintered bushes
- Sintered Bushes use NSF-H1 Food Grade Oil
- Full in house manufacturing
- Special Coated Pins
- Black oxide coated plates (Standard)
- Available in Single, Double Pitch and Attachment Chain
- Can be used with Neptune/Nickle Plate
- X-Lambda features Felt Seals to retain oil

Benefits:

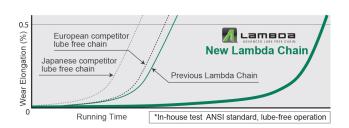
- Longer Wear Life = Less d me and reduced maintenance costs
- Higher equipment reliability
- Helps maintain a cleaner work environment
- Much lower chain replacement costs
- Special pins reduce running friction, lower power consumption
- Can be used in applications up to 150 degrees C (230 degrees for KF Series)

Longer Wear Life = Less Downtime and reduced maintenance costs

Basic Lambda Chain Construction



Performance in Ambient Temperatures (-10°C to 60°C)



Common Industries:

- Timber Mills
- Warehouse and Logistics
- Brick and Tile
- Cotton Mills

- Food and Beverage
- Paper and Recycling
- **Pharmaceutical**
- Printing



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