

Tsubaki Lambda Chain NEW G8 Series release



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.



100th Anniversary Model
TSUBAKI G8 SERIES



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

Features & Benefits of the NEW G8 Series Lambda Chain

Features

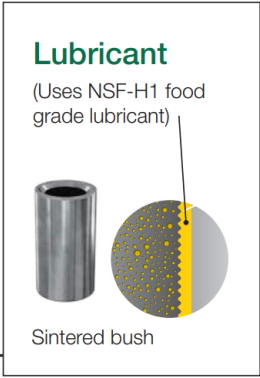
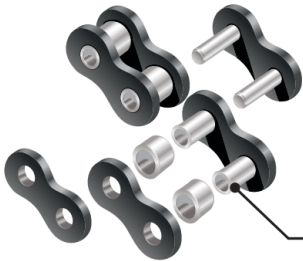
- Unique High performance, oil impregnated sintered bushes
- Sintered Bushes use NSF-H1 Food Grade Oil
- Full in house manufacturing
- Special Coated Pins
- Black oxide coated plates (Standard)
- Available in Single, Double Pitch and Attachment Chain
- Can be used with Neptune/Nickle Plate
- X-Lambda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

Benefits

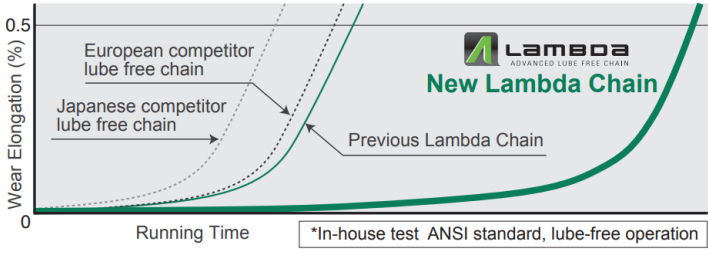
- Longer Wear Life = Less downtime and reduced maintenance costs
- Higher equipment reliability
- Helps maintain a cleaner work environment
- Much lower chain replacement costs
- Special pins reduce running friction, lower power consumption
- Can be used in applications up to 150 degrees C (230 degrees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



Popular Industries that use Tsubaki Lambda Chain

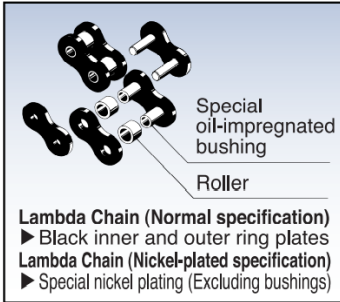
- Timber Mills
- Food and Beverage
- Warehouse and Logistics
- Paper and Recycling
- Brick and Tile
- Pharmaceutical
- Cotton Mills
- Printing



Tsubaki's Lambda® Chains were the first in the industry to use a special oil-impregnated bushing. Since their launch in 1988, they have been adopted for diverse industries and applications, and their performance has been highly rated. Tsubaki has a wide line-up of lube-free, long life products that help customers reduce costs.

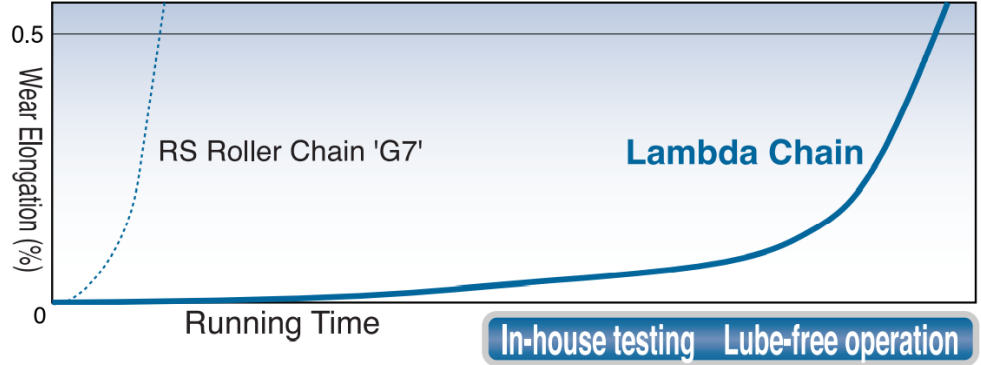
- Lube-free and long-life** Longer lasting chains made possible by special oil-impregnated bushings.
- Compatibility** Compatible with RS Roller Chains.
- Operating temperature** -10 to 150°C
- Selection** Use the General Selection Method.

Basic construction



- ▶ **Lambda Chain (Normal specification)**
- ▶ Black inner and outer ring plates
- ▶ **Lambda Chain (Nickel-plated specification)**
- ▶ Special nickel plating (Excluding bushings)

Performance in ambient temperature (-10 to 60°C)



Wear elongation life is 7 times longer (14 times or more for the RS40-LMD-1 to RS60-LMD-1) than RS Roller Chains. RS120-LMD-1 and RS140-LMD-1 wear elongation life are 2.5 times longer.

Lambda Chain

Painting the inner and outer plates black has added more corrosion resistance and given the chain a high-grade finish. To ensure compatibility with RS Roller Chain, the inner plate is one size thicker with the same tensile strength and maximum allowable load as RS Roller Chain. Thus, pins are longer than with the RS Roller Chain, so interference with equipment should be checked.

Note 1. Kilowatt ratings differ slightly from RS Roller Chain.

2. Single-strand chains use an RS-type sprocket, whereas double-strand chains require a special sprocket because the horizontal pitch (dimension C) differs from that of RS Roller Chain.

Surface Treated Lambda Chain

The plates and rollers of this Lambda Chain are surface-treated to increase corrosion resistance.

- **NP specification** ... Plates and rollers have a special nickel plating for low level corrosion resistance.
- **NEP specification** ... Plates and rollers undergo NEP treatment to increase corrosion resistance.

Heavy Duty Lambda Chain

The same strength as RS Roller Chains is achieved, even with double-strand chains, by increasing the thickness of the outer and inner plates by one size.

Note: Special sprockets required.

Curved Lambda Chain

This roller chain has a wide horizontal bending radius thanks to its original pin and bushing construction, and a large clearance between plates. Curved transmission can be easily configured using RS-type sprockets.

BS Lambda Chain (ISO606-Compliant B Series)

This Lambda Chain is compatible with ISO606-compliant B Series chains. It can directly replace any existing B Series chain. With its specially designed pin, cutting and connection of single-strand RS08B - RS16B chains is a snap.

X-Lambda Chain (X- Λ)[®] (Patent No. 3280312)

X-Lambda Chain greatly increases the performance of Lambda Chains through an oil-impregnated felt seal.

Lube-free and ultra long life

..... Chain life has been further extended through a special oil-impregnated bushing and oil-impregnated felt seal.

Compatibility

..... Compatible with Lambda Chains. However, pins are longer than with Lambda Chains, so interference with equipment should be checked.

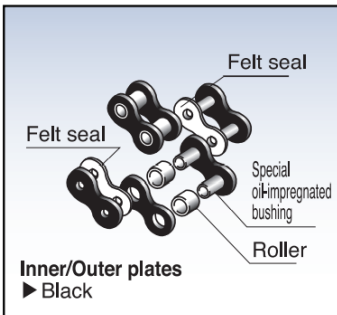
Operating temperature

..... -10 to 150°C

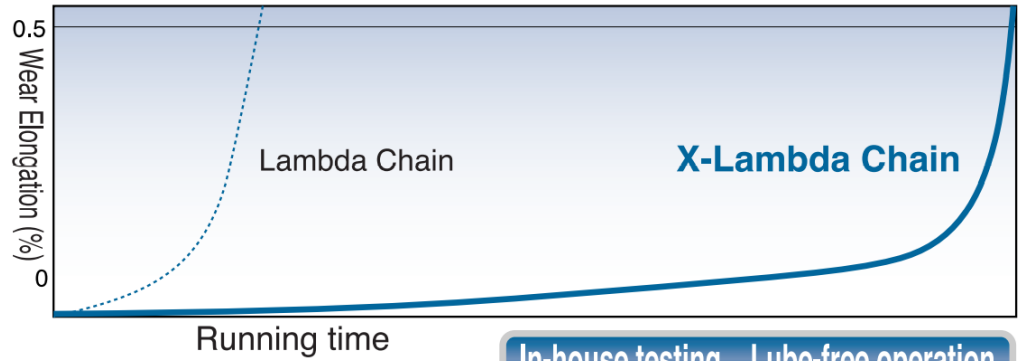
Selection

..... Use the General Selection Method.

Basic construction

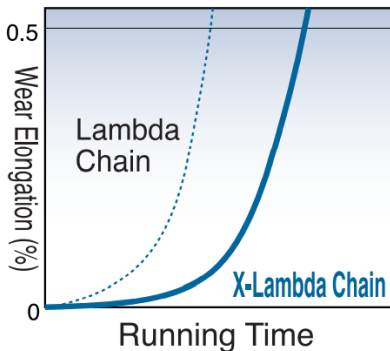


Performance in ambient temperature (-10 to 60°C)



Wear elongation life is over 5 times longer than with Lambda Chains.

Performance in mid-range temperatures [150°C]



⚠ Safety Precautions for Lambda Chains

1. Do not use Lambda Chain if the chain will come in direct contact with food or where coating flakes or wear dust can contaminate food. Also, in non-food applications, appropriately cover the chains or contact Tsubaki about chain selection if using in environments where coating flakes or wear dust present problems.
2. Do not use Lambda Chains where there is the possibility of exposure to chemicals, water, or cleaning / degreasing vapors.