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Stainless Steel Chain

Tsubaki's long-life LSC Series Stainless Steel Chain is beneficial in dry environments, in contact with water, or even underwater. Stainless steel chains are an ideal choice in production lines with a washdown process; in the food industry, where water is often part of the production process; in sanitary and pharmaceutical packaging industries; and in a wide variety of other industries.



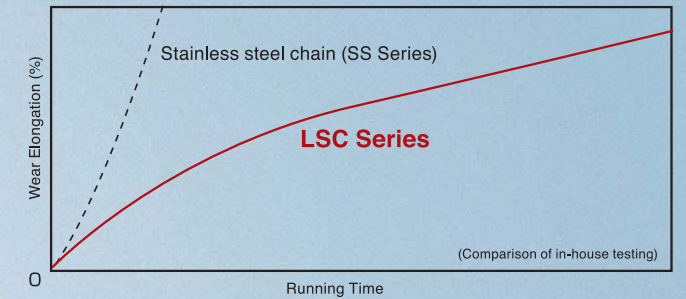
LSC Series Features

Long Life Has the same maximum allowable load as a stainless steel chain, but offers a longer wear life.

The LSC Series Chain with stainless steel rollers provides over four times the wear life compared to SS Series Stainless Steel Chain. Meanwhile, the increased wear resistance of the engineering plastic rollers (white) gives them over ten times the conventional wear life.



Stainless steel rollers



Comparison of LSC Series Superior Wear Life

Operating conditions	Roller type	Stainless steel	Engineering plastic (white)
Dry environment		More than 4x wear life	More than 10x wear life*
Contact with water/underwater		More than 4x wear life	

Tsubaki does not recommend using LSC Series Chain with engineering plastic rollers in contact with water or underwater, due to the possibility of premature roller wear. *For white engineering plastic only; small-size rollers rated at 50% MAL. Please refer to the Tsubaki catalog for additional chain selection.

A lube-free, long-life chain to match any need.
Solves common problems with conventional chains:

Costly and time-consuming replacement of elongated chains

Poor chain articulation

Excessive chain noise in the workplace

Poor positioning during work transfer

Tsubaki's new LSC Series Stainless Steel Chain helps solve all of these problems!

■ Uses a Plastic Sleeve for the Bearing

Features black engineering plastic sleeves between the SS Series stainless steel chain pins and bushing. Rollers can be either stainless steel or engineering plastic (white).

Material

Base chain: Stainless steel (pins, bushes, plates)

Rollers: Stainless steel
Engineering plastic (white)

Sleeves: Engineering plastic (black)

Available Sizes

RS40-LSC – RS80-LSC
RF2040-LSC – RF2080-LSC

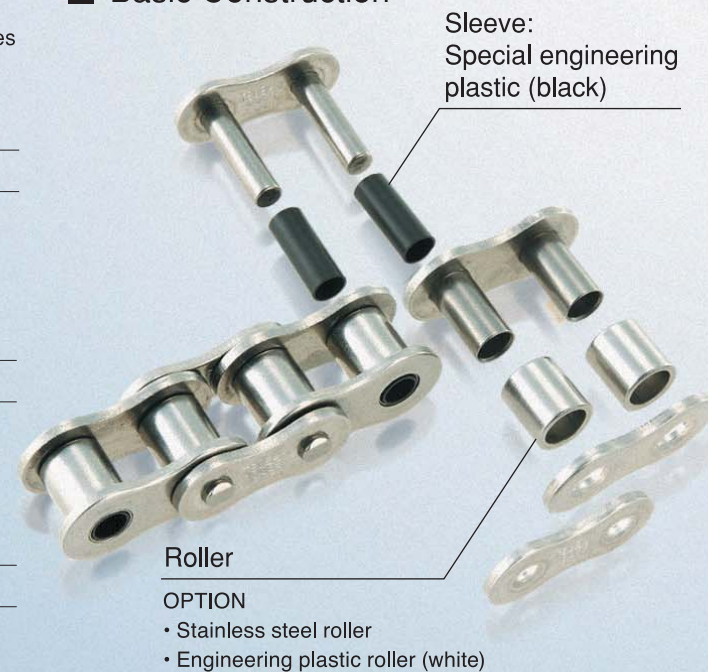
(Standard small rollers and oversized rollers are available)

Note: • Made-to-order product
• Attachments available in all sizes

Operating Temperature Range

-20°C to 100°C (with stainless steel rollers)
-20°C to 80°C (with engineering plastic rollers)

■ Basic Construction



Engineering plastic rollers

Quiet and Lightweight

(Engineering Plastic Roller)

With engineering plastic rollers there is no metal-on-metal contact. As a result, drives and conveyors are 7 dB to 10 dB quieter than with SS Series stainless steel chain. The LSC Series Chain is also lightweight, making it easier to handle.

Comparison with Stainless Steel Chain

- Quieter** 7 dB to 10 dB quieter
- Lightweight** 15% lighter than with standard rollers
40% lighter than with standard oversized rollers



Clean

Uses materials* compliant with the Japanese Food Sanitation Law, making it ideal for food processing plants, sanitary equipment, pharmaceutical packaging equipment, and other situations where cleanliness is important.

*Plastic rollers and special engineering plastic sleeves

⚠ Caution when disassembling or connecting LSC Series Chain
When the chain is disassembled, be careful that the engineering plastic sleeve (black pipe) between the pins and bushing does not fall out. Also, ensure that the sleeves are present between the pins and bushing when connecting an LSC Series Chain.

⚠ Clean regularly to remove any black dust that may appear.