

TSUBAKI LSC SERIES
STAINLESS STEEL CHAIN



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.



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

Costly and time-consuming replacement of elongated chain

■ 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)

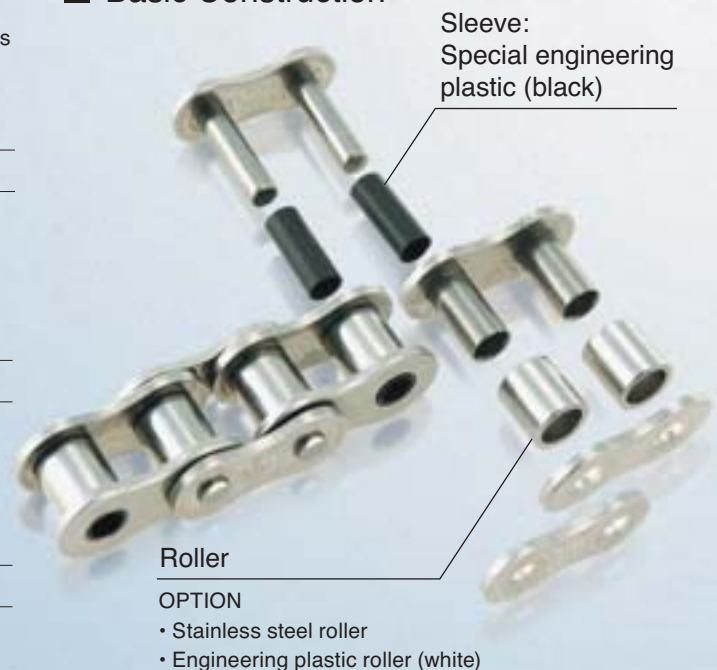
Note: • Made-to-order product
• Attachments available in all sizes

Operating Temperature Range

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

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

■ Basic Construction



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.

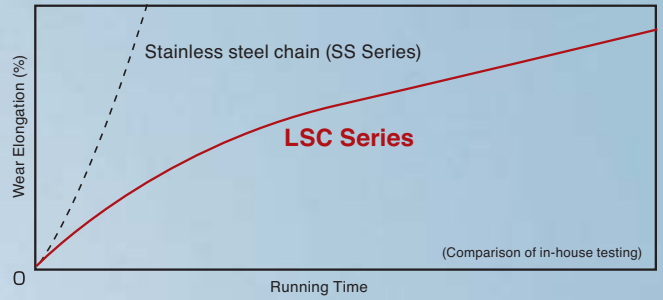
LSC Series Features

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
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. (Tsubaki comparison)

*For white engineering plastic only; small-size rollers rated at 50% MAL. Please refer to the Tsubaki catalog for additional chain selection.

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!



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





TSUBAKIMOTO CHAIN CO.

Headquarters

Nakanoshima Mitsui Building
3-3-3 Nakanoshima, Kita-ku
Osaka 530-0005, Japan
Phone : +81-6-6441-0011
Facsimile : +81-6-6441-0489
Internet:
<http://tsubakimoto.com/>

Chain & Power Transmission Operations

Chain Products Department
1-3 Kannabidai 1-chome
Kyotanabe, Kyoto 610-0380, Japan
Phone : +81-774-64-5100
Facsimile : +81-774-64-5212



Kyotanabe Plant

Global Associated Partners:

NORTH and SOUTH AMERICA

U.S. TSUBAKI

POWER TRANSMISSION, LLC
301 E. Marquardt Drive
Wheeling, IL 60090-6497
U.S.A.
Phone : +1-847-459-9500
Facsimile : +1-847-459-9515

TSUBAKI of CANADA LIMITED

1630 Drew Road
Mississauga, Ontario, L5S 1J6
Canada
Phone : +1-905-676-0400
Facsimile : +1-905-676-0904

TSUBAKI BRASIL

EQUIPAMENTOS INDUSTRIAIS LTDA.
Rua Pamplona, 1018 - C.J. 73/74
Jardim Paulista, CEP 01405-001
São Paulo - S.P. Brazil
Phone : +55-11-3253-5656
Facsimile : +55-11-3253-3384

EUROPE

TSUBAKIMOTO EUROPE B.V.

Aventurijn 1200, 3316 LB Dordrecht
The Netherlands
Phone : +31-78-6204000
Facsimile : +31-78-6204001

TSUBAKIMOTO U.K. LTD.

Osier Drive, Sherwood Park
Annesley, Nottingham
NG15 0DX U.K.
Phone : +44-1623-688-700
Facsimile : +44-1623-688-789

TSUBAKI DEUTSCHLAND GmbH

ASTO Park Oberpfaffenhofen
Friedrichshafener Straße 1
D-82205 Gilching, Germany
Phone : +49-8105-7307100
Facsimile : +49-8105-7307101

ASIA and OCEANIA

TSUBAKIMOTO SINGAPORE PTE. LTD.

25 Gul Lane
Jurong
Singapore 629419
Phone : +65-6861-0422/3/4
Facsimile : +65-6861-7035

TSUBAKIMOTO (THAILAND) CO., LTD.

388 Exchange Tower, 19th Floor Unit
1902, Sukhumvit Road, Klongtoey
Bangkok 10110 Thailand
Phone : +66-2-262-0667/8/9 (3 lines)
Facsimile : +66-2-262-0670

TSUBAKI INDIA

POWER TRANSMISSION PTE. LTD.
Chandrika Chambers No.4, 3rd Floor
Anthony Street, Royapettah
Chennai-600014, Tamil Nadu, India
Phone : +91-44-4231-5251
Facsimile : +91-44-4231-5253

TSUBAKIMOTO SINGAPORE PTE. LTD.

VIETNAM REPRESENTATIVE OFFICE
8F H&H Building, 209 Hoang Van Thu
Phu Nhuan District, Ho Chi Minh City
Vietnam
Phone : +84-8-3999-0131 or 0132
Facsimile : +84-8-3999-0130

TSUBAKIMOTO SINGAPORE PTE. LTD.

INDONESIA REPRESENTATIVE OFFICE
Wisma Kyoei Prince, 11th Floor, Suite 1106
Jl. Jend. Sudirman, Kav. 3, Jakarta 10220
Indonesia
Phone : +62-21-5724-275
Facsimile : +62-21-5724-275

TSUBAKI AUSTRALIA PTY. LTD.

Unit E, 95-101 Silverwater Road
Silverwater, N.S.W. 2128
Australia
Phone : +61-2-9704-2500
Facsimile : +61-2-9704-2550

TAIWAN TSUBAKIMOTO CO.

No. 33, Lane 17, Zihciang North Road
Gueishan Township, Taoyuan County
Taiwan
Phone : +886-33-293827/8/9
Facsimile : +886-33-293065

TSUBAKIMOTO CHAIN TRADING

(SHANGHAI) CO., LTD.
Room 1703, Aetna Tower, 107
Zunyi Rd., Changing District
Shanghai 200051, China
Phone : +86-21-5396-6651/2
Facsimile : +86-21-5396-6628

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