

TSUBAKI LAMBDA CHAIN KF SERIES Lambda **LUBE FREE CHAIN** Bushes are impregnated with a special NSF-H1 certified lubrication



Due to the special NSF-H1 certified lubrication impregnated bushes, Lambda Chain® KF Series is usable in a wide temperature range (from room temperature to 230°C), and for food product applications while at the same time being kind to the environment.

"KF" is stamped onto the chain's inner or outer nlates. *Offset links are specially handled.





-Lineup

(Made to order product)

Application	RS35	RS40	RS50	RS60	RS80	RS100	RS120	RS140
Drive Cha <mark>in (LMD)</mark>	<u> </u>	•	•	•	•	0	0	0
Conveyor Chain (LMC)	0	(BF2040)	(RF2050)	(BF2060)	(RF2080)	0	_	_

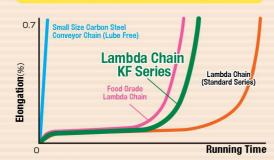
●: KF Series Line Up ○: Standard Lambda Line Up

Please consult your local Tsubaki representative regarding other available sizes for KF Series chain

Characteristics

Thanks to the environmentally friendly NSF-H1 grade certified lubrication, KF Series chain can be used in food production machinery where **lubrication** is difficult and wear is a problem!

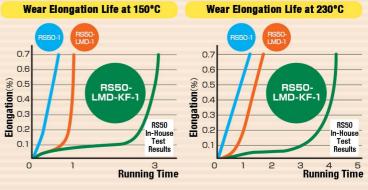
Wear Elongation Life at Room Temperature



KF Series has a wear life equal to or greater than Food Grade Lambda Chain and is over ten times that of Small Size Carbon Steel Conveyor Chain. (0.5% wear elongation comparison, in-house test results)

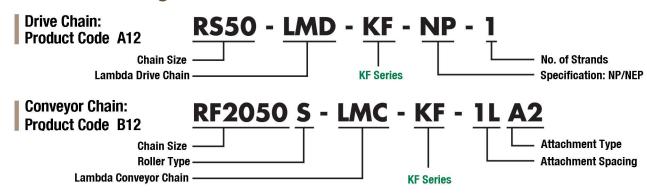
With lubrication that does not degrade or vaporize at high temperatures (150°C~230°C), KF Series enjoys the highest anti-wear performance in high temperature applications.

Never use KF Series chain in conditions over 280°C as toxic gasses may be emitted.



Standard Lambda maximum operating temperature range is 150°C

■ Chain Numbering



★ Line up consists of sizes 40~80, and 2040~2080.

Furnace

Offset links are specially handled (Offset links with attachments are not available).

Application Examples for KF Series Lambda Chain

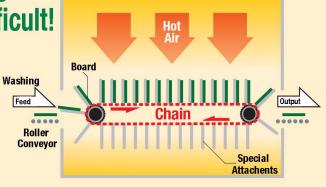


Ambient Temperature: ~170°C

Semiconductor Board Conveyance Through Furnace

Semiconductor boards are washed in a previous process and then dried in the furnace. (Hot air is blown down from above to dry the boards). Normally lubrication quickly vaporizes and wear life is met, but Lambda Chain KF Series chain enjoys a long wear life even when conveying through high temperature furnaces.

Semiconductor Industry



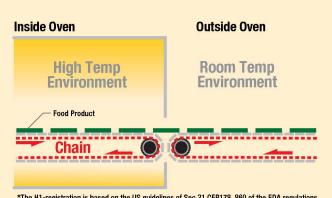
Usable inside and outside of ovens! Great results for food conveyance!

Ambient Temperature: ~170°C

Continuous Oven Conveyor

Great results in high temperature ovens! Lambda bushes impregnated with NSF-H1 grade lubrication can be used in continuous conveyance from room temperature to high temperature environments (230°C). Especially for layouts where lubrication is impossible, KF Series chain provides by far the best results for your application.

Food Production Industry



*The H1-registration is based on the US guidelines of Sec.21 CFR178, 860 of the FDA regulations. The Food and Drug Administration (FDA) of the USA has determined qualitative and quantitative ingredients to be used in the lubricants for the food industry. The assessment and approval process is carried out by NSF International.



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 Division

Chain Sales Department

1-3 Kannabidai 1-chome Kyotanabe, Kyoto 610-0380, Japan Phone : +81-774-64-5023/4 Facsimile: +81-774-64-5212

For further information please contact the Chain Division.