

F.L. 20/50/88 N/125/250/ 1000/2000

Chain lubricants



The benefits at a glance

- NSF-H1 registered
- Fully synthetic
- Minimum friction and wear
- Ageing and oxidation resistant
- Good creep and adhesive properties
- Favourable in processing



Properties

Rivolta F.L. 20 / 50 / 88 N / 125 / 250 / 1000 / 2000 are fully synthetic high performance chain lubricants for the food industry. A combination of high quality synthetic base oils free from mineral oil in combination with an efficient additive package gives a performance spectrum to our products which is far superior to conventional oils. So, the anyhow outstanding features of the base oils in view of wear protection, ageing stability and corrosion protection are increased by adding highly effective additives.

Fields of application

- Chains:
 - For the inside bearing lubrication of highly loaded chains and for the complete lubrication in dusty surroundings (**Rivolta F.L.50 / 88 N / 125**), for the outside lubrication of chains in humid atmosphere or at high speeds (**F.L. 1000**) etc.
 - For the lubrication of conveyor chains, transport chains, timing chains, driving chains at conveyors (e.g. bottle/bottle case conveyors and routing installations; slaughter house conveyors), bakery conveyors etc.
- Levers, bolts, joints, guidings, slideways, rope lubrication, spindles and deflection rollers
- Cleaning and lubrication:
 - F.L. 88 N** penetrates coatings, dewateres, releases rust and pollution and cleans parts, penetrates tight tolerances very well and guarantees a portative inside bearing lubricating film.

Material compatibility

Our **Rivolta F.L.** chain lubricants do not attack metals, plastics, lacquers and sealing materials which are resistant to mineral oil. The products are miscible and compatible with mineral oil.

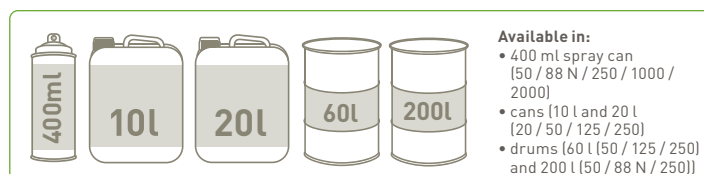
Preparation of the lubricating point

Please remove contaminations and residues as far as possible. The friction points should be dry if possible to achieve the full adhesive strength of the products.

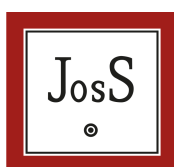
Instructions for use

Suitable application devices and accessories in our [accessories brochure](#).

Form	liquid
Colour	transparent
Odour	neutral



	Value							Norm
	F.L. 20	F.L. 50	F.L. 88 N	F.L. 125	F.L. 250	F.L. 1000	F.L. 2000	
NSF Reg.-No.	139533	023935 / 131279 (Ae)	141608 / 150461 (Ae)	023931	023933 / 127663 (Ae)	023930 / 130082 (Ae)	139831 / 139832 (Ae)	-
Density at +15 °C	0,83 g/cm ³			0,85 g/cm ³		0,86 g/cm ³	0,87 g/cm ³	DIN 51757
Viscosity index	> 120	> 140			> 150			DIN ISO 2909
Kine. Viscosity at +20 °C	38 mm ² /s	80 mm ² /s	240 mm ² /s	290 mm ² /s	990 mm ² /s	4400 mm ² /s	16000 mm ² /s	DIN 51562-1
Kine. Viscosity at +40 °C	15 mm ² /s	32mm ² /s	85 mm ² /s	100 mm ² /s	220 mm ² /s	1500 mm ² /s	5000 mm ² /s	DIN 51562-1
Kine. Viscosity at +100 °C	4 mm ² /s	5,3 mm ² /s	13 mm ² /s	14 mm ² /s	25 mm ² /s	135 mm ² /s	350 mm ² /s	DIN 51562-1
Flash point	> +200 °C							DIN EN ISO 2592
Pourpoint	-65 °C	-62 °C	-55 °C	-50 °C	-40 °C	-15 °C	-12 °C	DIN ISO 3016
Temperature range	-62 °C up to +100 °C	-60 °C up to +140 °C	-35 °C up to +140 °C	-45 °C up to +140 °C	-40 °C up to +140 °C	-12 °C up to +140 °C	-10 °C up to +140 °C	-



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