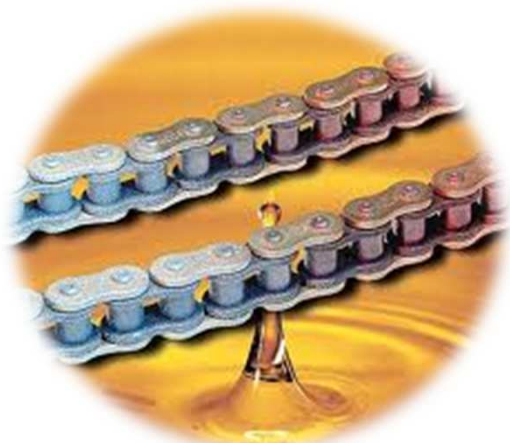


# Brugarolas



Industrial Lubricants



## SPECIAL CHAIN LUBRICANTS



A correct chain lubrication is essential to achieve optimum performance, durability and energetic efficiency. The main properties that ensure a good lubrication and a smooth manufacturing process without production lags nor break downs are:

- The lubricant's nature..
- The correct lubricant's application
- A maintenance plan to increase the chain's lifespan.

For a proper lubrication, the lubricant must penetrate between the roller and the pin reaching the chain's links. If the lubricant is applied only on the surface of the roller and does not deepen into the pin, the lubrication will therefore, not be functional and the chain's undesired elongation will occur due to wear between pin-roller surfaces.



Specifically formulated chain lubricants avoid wear and abrasion due surface friction. If this phenomenon is under control we will increase the chains durability and general life, achieving better results. Working conditions to which the chains are exposed is a key factor to choose a lubricant. Working temperatures, ambient pollution, humidity, alkalis, acids, dust, etc., all must have to be carefully studied.

**HIGH TEMPERATURES:** It is one of the most important factors. Conventional lubricants evaporate quickly, forming Carbon residues or causing leaks. Brugarolas' wide product range lubricants have the most advanced technology and therefore reduce all the described problems above.

**HUMIDITY:** In high humidity environments it is of vital importance that the lubricant used is un-washable and water repellent. Moreover, the product must not to lose its lubricant properties, performing well in the working area.



**DUST** : In dusty areas, the lubricant must have the right properties to avoid dust entry between the metallic surfaces that could produce abrasive effects between the roller and the pins of the chain.

A proactive chain and drive element lubrication, leads to higher performance. If we use the correct lubricant and apply it correctly, we can then achieve important benefits, such as:

- Higher chain lifespan
- Maintenance cost reduction, due to machinery failure,
- Environmental improvements (less lubricant consumption).
- Lower maintenance costs.
- Pollution removal
- Higher cleanliness.
- Energy savings.

With all this info, we can ask ourselves: What factors are reducing the lifespan of chains? What can we do to improve them?





## BESLUX CAMIN WR

Mineral range oils for chain usage are sticky and water repellent. BESLUX CAMIN WR deposits as a protecting film, reduces and neutralizes corrosion and wear. No dripping nor splashing, this product provides much better lubrication compared to conventional chain lubricants. The maximum work temperature is 150°C.

	Viscosity cSt a 40°C	Density g/ml	Pour point °C	Flash point °C	Application Temperature
BESLUX CAMIN 150 WR	150	0.892	-9	235	150
BESLUX CAMIN 460 WR	460	0.960	-20	240	150
BESLUX CAMIN 4200	4200	0.914	-6	260	150

## BESLUX RAMCA

High temperature top-end synthetic oil lubricants for chains. They provide good lubrication between metallic surfaces, they penetrate easily between the chains' roller and pins. They do not splash nor generate solid residues, and therefore keep the chains clean. They also extend the lubrication intervals and allow the cold start-up of facilities, as well as, reduce notably electrical consumption.

	Viscosity cSt a 40°C	Density g/ml	Pour point °C	Flash point °C	Application Temperature
BESLUX RAMCA 100	100	0.958	-22	245	220
BESLUX RAMCA 150	135	0.954	-12	250	230
BESLUX RAMCA 220	260	0.963	-21	220	230
BESLUX RAMCA 320	340	0.953	-21	225	230
BESLUX RAMCA 4200	4200	0.980	-6	260	220





## BESLUX CHAIN

Chain range oils developed for special applications, exposed to harsh environmental and temperature situations.

	Viscosity cSt a 40°C	Density g/ml	Pour point °C	Flash point °C	Application Temperature
BESLUX CHAIN KTS PLUS	4,8	0.850	-45	100	90
BESLUX CHAIN 2160 PB	261	0.935	-33	260	230
BESLUX CHAIN 135 KF	135	0.960	-30	270	230
BESLUX CHAIN VLTR 68 TO	64,5	0.975	-42	296	230
BESLUX CHAIN VLTR BO 260	270	0.963	-35	288	230
BESLUX CHAIN VLTR RT 350	360	0.953	-25	290	230
BESLUX CHAIN AZ	480	0.889	-12	500	220
BESLUX CHAIN AZ-260	260	0.909	-12	260	220



## GRAPHITED OILS

Graphited range oils intended for water and oil based chains. Very recommended for very high temperature and special applications of the glass and steel industry.

	Viscosity cSt a 40°C	Density g/ml	Pour point °C	Flash point °C	Application Temperature
BESLUX GRAFOL HT-320	320	1,000	-5	250	600 (*)
BESLUX GRAFOL HT-1000	(2140 cPs, 25°C)	1,087	-5	250	1000 (*)
BESLUX GRAFOL 320	320	0,956	-5	260	300 (*)
BESTRIL 45 WG	---	1,140	0	---	400 (*)
DORAX ELM441-33	---	1,042	-5	---	400 (*)

(\*) Dry lubrication



## CHAIN OIL FOR THE FOOD INDUSTRY

Synthetic and semi-synthetic chain oils for the food industry. They are water repellent and have very high metal affinity. Wide product range that fulfills the highest food industry requirements: low temperature, high temperature, high humidity atmosphere, etc.,.

	Viscosity cSt a 40°C	Density g/ml	Pour point °C	Flash point °C	Application Temperature
BESLUX GEAR-ATOX F-68	68	0.862	-12	206	120
BESLUX GEAR-ATOX F-150	150	0.862	-18	230	120
BESLUX GEAR-ATOX F-220	220	0.873	-12	240	120
BESLUX GEAR-ATOX F-320	320	0.870	-11	245	120
BESLUX CHAIN VLTR 320 ATOX	320	0.956	-40	290	300 (*)
BESLUX CHAIN ELA 238 ATOX	208	0.842	-45	102	180
BESLUX CHAIN 3020 ATOX	314	0.862	-35	236	220
BESLUX CHAIN 3300 ATOX	230		-25	315	230
BESLUX CHAIN 3500 ATOX	308	8.865	-35	238	220

(\*) Dry lubrication





## SPECIAL LUBRICANT CHAIN GREASE

### G. BESLUX SULPLEX M-2 PLUS

High temperature range from -20 to 150°C. Excellent anti-wear and water repellent properties, >800 h. CNS.

NLGI	Penetration	Base Oil	Drop Point	Range Temperature	Weld Load
2	265/295	Mineral	>270°C	-15°/160°C	>600

### G. BESLUX PLEX BAR L-2

Alkali, soap, and detergent resistant. Resistant to all alkaline nature substances. Water resistant and wide working temperature range from -20 a 150°C

NLGI	Penetration	Base Oil	Drop Point	Range Temperature	Weld Load
2	265/290	Mineral	220°C	-15°/150°C	Heavy loads

### G. BESLUX FLUOR H-2

Fluorinated grease, very resistant to acid environments in a wide range of working temperatures, from -35 up to 280°C. Long life lubricant that allows a drastically lubricating frequency. Specially designed to lubricate Cataphoresis environments.

NLGI	Penetration	Thickener	Drop Point	Range Temperature
2	265/295	PTFE	N.A.	-35 a 280°C





## AUTOMATIC CHAIN LUBRICATOR

Automatic lubricators that lubricate one point. 125 c.c. capacity. Adjustable from 1 to 12 months. They are highly trustful and able to adjust to different brush sizes. They keep chains clean and well lubricated.

BESLUX LUBE 150WR	Brush sizes: 40 mm. 70 mm. 100 mm.
BESLUX LUBE ATOX 68	
BESLUX LUBE FG-2	

