

CRG 100 M SERIES

*Premium Grade Wire Rope Lubricants
For High Load & Long Life Applications*



Wire rope lubricants designed to reduce friction and corrosion, maintaining the health and safety of wire ropes.

During operation, wire ropes are subject to high stress loads and rapid acceleration or deceleration, exposing the strands to increased friction. Wire ropes on cranes operating in ports or marine applications, are exposed to saltwater and corrosive environments. To ensure that the wire rope remains safe and healthy, it is important to use a lubricant that has good penetrating, corrosion and friction resistant properties.

Fortified with graphite and other chosen additives, Molygraph's CRG range of wire rope lubricants reduce internal friction and wear, providing long lasting lubrication to the wire ropes. Their de-watering property and ability to resist water-washout serves as excellent protection against rust and corrosion.

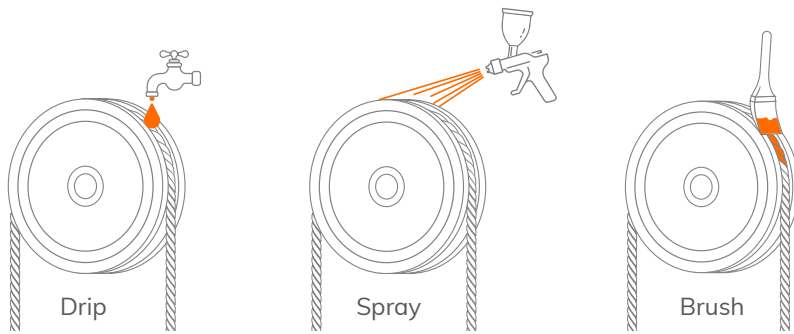
There are two types of wire rope lubricants, penetrating and coating lubricants. Penetrating lubricants contain a petroleum solvent that carries the lubricant into the core of the wire then evaporates, leaving behind a heavy lubricating film to protect each strand. Coating lubricants penetrate slightly sealing the outside of the cable from moisture, reducing wear and fretting corrosion from contact with external bodies. Whilst CRG 100 M is used for coating, CRG 100 M Fluid is used for penetrating.

Best properties for optimum performance

- Reduces friction between strands especially when the rope bends as it passes over sheaves or drums.
- Adheres well to strands to withstand temperature changes & rubbing off action, quietening noisy chains.
- Resists water-washout to protect against rust and corrosion.
- Good penetrating property to ensure proper hemp or core wire lubrication.

- Excellent protection from sun, heat, salt water, humid weather aggressive chemicals.
- Does not drip at high temperatures, thereby avoiding messy shop floor or surroundings.
- Very good corrosion resistant properties against salty sea water.
- Fluid consistency for easy brush ability, dipping or spraying application.

Method of Application



Properties

CHARACTERISTICS	TEST METHOD	UNITS	CRG 100 M	CRG 100 M FLUID
Colour	Visual	-	Black	Black
Base Oil Viscosity @40°C	ASTM D - 445	cSt	460	100
Worked Penetration	ASTM D - 217	0.1 mm	400 – 430	400 – 430*
Operating Temperature Range	-	°C	-10/+180°C	-10/+180°C

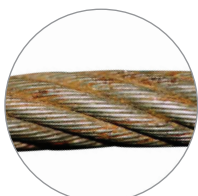
* without solvent

Wire rope failure



CRG 100 M Fluid is a penetrating lubricant, that carries the lubricant into the core of the wire.

CRG 100 M is a coating lubricant, that penetrates slightly sealing the outside of the cable.



Corrosion



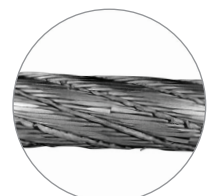
Birdcaging



Kinking



Broken wires



Severe wear

To ensure that the wire rope does not undergo failure, it is important to use a lubricant that has good penetrating, corrosion and friction resistant properties.