

GREASE WR-GP

HIGH PERFORMANCE WIRE ROPE LUBRICANT FOR APPLICATION BY BRUSH, BY AUTOMATIC LUBRICATOR OR BY DIPPING.

Description:

A semi-fluid grease incorporating extreme pressure additives and a blend of anti-oxidants, to combine highly effective lubrication with good corrosion inhibition. It provides a protective film that is water repellent, yet thin enough to penetrate to the core and reduce adhesion of dust and other abrasive particles on the surface.

Application:

GREASE WR-GP has been specially developed for the lubrication and protection of all types of wire ropes used on cranes, lifts, hoists, pit-head gear, ships rigging and winches, however aggressive and corrosive the environment. It can be applied by brush, by automatic wire-rope lubricator, or by dipping.

Typical physical properties:

Form:	Fluid grease.
Colour:	Dark green.
Working temperature range:	-10° to +100° C.
Worked penetration (IP50):	420 - 450.
Base oil viscosity at 40°C:	900 cst.
Solid lubricant phase:	Molybdenum disulphide.

Packings available:

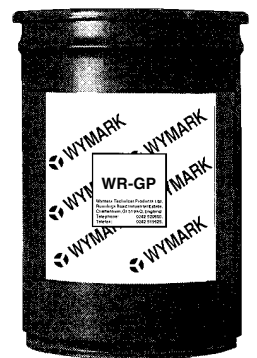
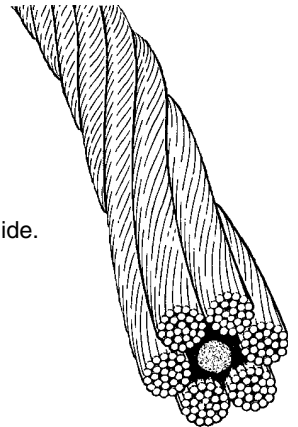
Kegs of 12.5 kg,
Kegs of 50 kg.
Drums of 180 kg.

Notes on wire rope maintenance:

The lubrication of working wire ropes is a relatively difficult operation. In consequence it is often neglected. Indeed it is often wrongly assumed that a rope's initial treatment with lubricant is all that will be required for the whole of its working life.

It should be appreciated that each strand of rope is a load bearing surface, which requires similar attention to the working surfaces of a machine or bearing, if premature failure is to be avoided. The purpose of wire rope lubrication is twofold - to reduce friction and to prevent corrosion. Each strand of wire in a rope is in contact with a number of other strands and with the core over its full length, and the total contact area is relatively large. To reduce friction and avoid wear as the rope is flexed over pulleys and drums, it is essential to maintain a film of lubricant on the individual strands and on the core. Correct lubrication of the rope will also reduce wear on pulleys and drums. The other principal cause of wire rope failure is corrosion. Unfortunately the structure of wire ropes is corrosion-conducive due to the ability of water or other corrosive fluids to penetrate between the strands. To counteract this it is essential to provide a protective film of corrosion inhibiting lubricant throughout the rope structure.

GREASE WR-GP meets these requirements very efficiently, and its use enables the working lives of wire ropes to be increased substantially.



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The information provided has been carefully compiled in good faith, on the basis of experience with standard production materials produced under rigorous quality control. However, the performance figures are provided for guidance only and are not intended to constitute a guaranteed specification.