

VIPER WIRE ROPE LUBRICATORS



Safe, fast, efficient and environmentally responsible system for lubricating wire ropes



2000m/h
LUBRICATES UP TO
2000M OF ROPE
PER HOUR



LESS RISK
SAFER THAN
MANUAL
LUBRICATION



LIGHT WEIGHT
EASY TO
INSTALL AND
OPERATE



LIFETIME
IMPROVED LUBRICATION =
INCREASED EQUIPMENT
AND ROPE LIFE

IDEAL FOR INDUSTRIAL APPLICATIONS:

- MINING
- OFFSHORE OIL & GAS
- DEFENCE FORCE
- SHIPPING
- MARINE
- CONSTRUCTION

VIPER WIRE ROPE LUBRICATORS

The Viper[®] Wire Rope Lubricator system provides fast and effective cleaning and lubrication. Wire ropes from 6mm to 165mm in diameter can be lubricated at speeds up to 2,000 metres per hour.

VIPER SOLUTIONS

The Viper Wire Rope Lubricator system is available in three sizes, Maxi, Mid and Mini. Constructed from high grade cast aluminium with a robust protective coating. The Viper Wire Rope Lubricators are available in a kit supplied in a durable aluminium storage case, with all the components to get you started.

A. Viper Maxi MK 2

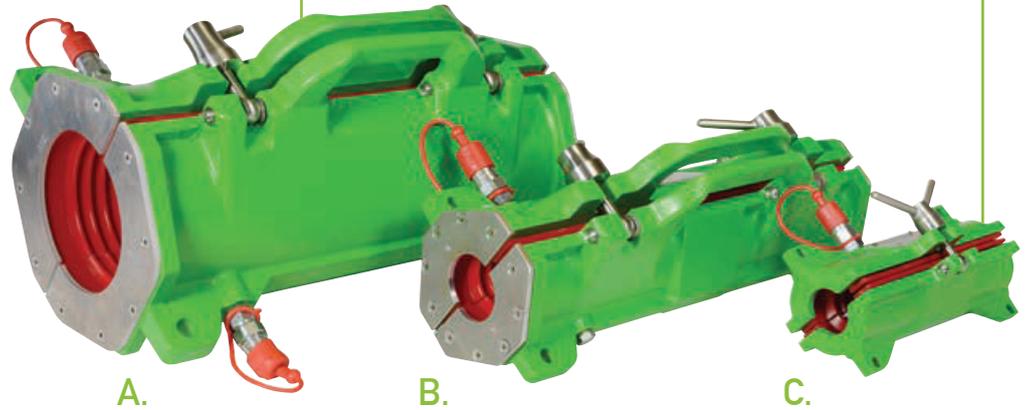
Suitable for wire ropes between 50mm to 165mm

B. Viper Mid MK 2

Suitable for wire ropes between 6mm to 67mm

C. Viper Mini MK 3

Suitable for wire ropes between 6mm to 44mm



- ✓ Increases the life of wire rope assets by up to 300% compared to manual lubrication
- ✓ Reduces relubrication time of ropes from several days to several hours compared to manual lubrication
- ✓ Safer work environment
- ✓ Environmental benefit with less lubricant used and discarded into the environment

VIPER SCRAPERS

The Viper WRL Scraper plates enable safe entry of broken wires into the seal ensuring the rope and seal is not damaged.

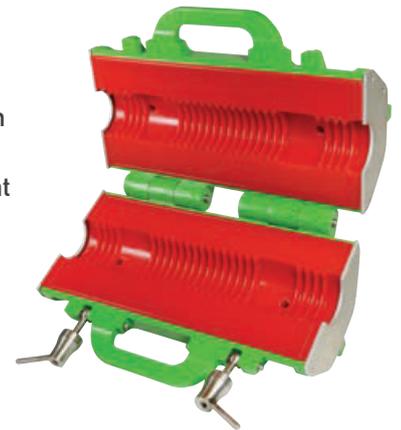


THE VIPER SEAL

WHAT MAKES THE VIPER WRL SEAL SO SPECIAL

The unique Viper seal design is at the heart of the Viper Wire Rope Lubricator system. The polyurethane material is wear resistant to ensure long service life but still flexible enough to mould to the rope. This flexibility eliminates leakage but more importantly enables lubricant to be compressed into the wire rope ensuring total coverage, protecting from corrosion.

Viper seals are proven to have lasted for > 15,000 metres of rope.



Superior Quality

Benefits

Material

- The polyurethane has high abrasive resistance properties, meaning it is resistant to wear. This enables the seal to be used to lubricate thousands of metres of wire rope without being replaced.

Seal & Rib Design

- The internal design allows the Viper seal to mould to the rope. This creates a pumping action massaging lubricant into the rope.
- As the seal moulds to the rope there is constant contact which enables consistent lubrication.

Length of Seal

- Increased dwell time between the wire rope and seal allows for lubricant to be compressed deep into the wire rope ensuring total coverage, protecting from corrosion.

WIRE ROPE CLEANERS



Enabling the removal of contamination or build-up of old lubricant from the wire rope prior to lubrication, improving the effectiveness of the lubrication process. Viper Wire Rope Cleaners (WRC's) are available in left and right hand lay, to suit 6 and 8 strand ropes and other strand configurations available on request.

For certain types of wire ropes where the standard Viper WRC is not suitable, the Viper 'Smooth Bore' rope cleaner is available. The Smooth Bore WRC would be used on hose ropes with many outer strands, some non-rotational ropes, ROV Cables, etc. where the valleys between the strands are minimal and do not readily facilitate a standard Viper WRC.

MANUAL ROPE CLEANERS

To achieve optimum visual inspection of wire rope assets it is critical for old lubricant and contamination to be removed from the outer strands of the rope, prior to inspection and relubrication.



WHY USE THE VIPER MANUAL ROPE CLEANERS

- Effectively removes external contamination from wire rope for greater visual inspection
- Safer to use
- One-person job – easier to install and use
- No tools required – easy and fast installation
- Reduced downtime – improves productivity and equipment availability
- Designed with two support bushes spaced apart giving the unit stability

VIPER WIRE ROPE LUBRICATOR APPROVED LUBRICANTS

Recommended Lubricant for use with the Viper Wire Rope Lubricator system.

COATING LUBRICANTS: designed to withstand water washout and protect against corrosion, penetrate, and provide extreme pressure protection.

PENETRATING LUBRICANTS: designed to coat wire rope with a thin lubricant film and penetrate the core.

ECO ROPE GUARDIAN: is certified Environmentally Acceptable Lubricant (EAL), recommended for use in applications on or near waterways.

| Type of Lubricant | Recommendations | Typical Application |
|---------------------------------|--|--|
| VPG-0 Penetrating Lubricant | <ul style="list-style-type: none"> ■ Ideal for all dynamic rope applications ■ Offering unparalleled wear resistance ■ High water resistance will not emulsify with water ■ Greatly extends lubrication intervals ■ Proprietary wear reducing additives | <ul style="list-style-type: none"> ■ Wire Ropes ■ Cable Sheaves ■ Crane Wire Ropes ■ Ship loader Hoist Luffing Ropes ■ Mobile Cranes |
| VCG-1 Coating Lubricant | <ul style="list-style-type: none"> ■ Ideal for high wash applications ■ Will not emulsify with water ■ Will not drip or sling off ■ Proprietary wear additives | <ul style="list-style-type: none"> ■ Crane Wire Ropes ■ Ship loader Hoist Luffing Ropes ■ Anchor Wire ■ Tow Wire ■ Tugboats ■ ROV Cables |
| ERG Eco Rope Guardian Lubricant | <ul style="list-style-type: none"> ■ Ideal for dynamic wire rope applications ■ VGP compliant Environmentally Acceptable Lubricants ■ Excellent penetration properties ■ Proprietary additives: offering high wear resistance, outstanding water resistance and mechanical stability offering greatly extended lubrication intervals | <ul style="list-style-type: none"> ■ Wire Ropes ■ Cable Sheaves ■ Crane Wire Ropes ■ Ship loader Hoist Luffing Ropes ■ Mobile Cranes |

HEALTH SAFETY ENVIRONMENT BENEFITS

The most environmentally responsible method for cleaning and lubricating wire ropes.

- ✓ Every gram of lubricant is used on the rope with no leakage eliminating waste & environmental impact
- ✓ No direct contact with the lubricant and avoids risk of accidental spillage
- ✓ The rope can be lubricated from a safe distance reducing hazardous safety risks

VIPER CUSTOM ENGINEERED SOLUTIONS

Behind the Viper Wire Rope Lubricator system is a professional team providing individual support to understand your needs and delivering a tailored solution which suits your requirements.

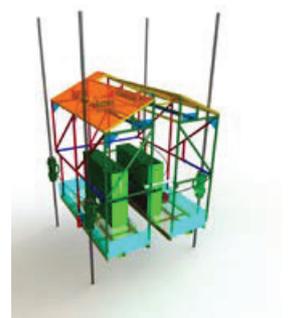
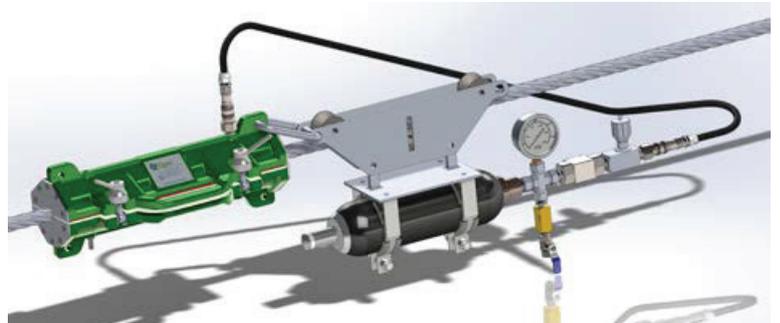
Our team ensures we develop a solution to align with your needs and expectations.

At the heart of our custom solution is our commitment to innovation. We are always exploring new technologies and approaches to ensure you have access to cutting-edge solutions to improve safety, efficiencies and productivity.

WORKING WITH OUR TEAM

Our team works with you on the design process

1. Define the problem
2. Research and understand your needs
3. Create conceptual designs for potential solutions
4. Develop and refine the design
5. Test and deliver the custom solution



VIPER CUSTOM SOLUTIONS

MULTI-ROPE VIPER WIRE ROPE LUBRICATOR SOLUTIONS

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