



WIRE ROPE LUBRICATING SYSTEM



MEP DECK SOLUTIONS PTE LTD

PROVIDES FAST AND EFFECTIVE CLEANING AND
LUBRICATION OF WIRE ROPES BY FORCING
QUALITY LUBRICANT UNDER HIGH PRESSURE TO
THE CORE OF THE WIRE ROPE

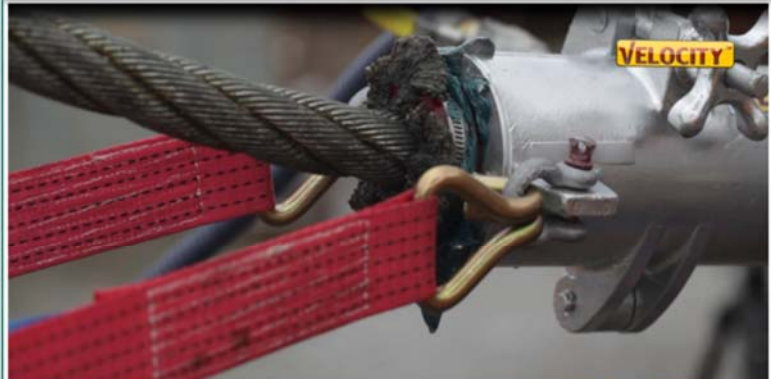
"Your Needs for Today and Tomorrow"



WIRE ROPE LUBRICATING SYSTEM

BENEFITS:

- ◆ Lightweight, allows one-man operation
- ◆ Non-messy operation and reduce lubricant wastage
- ◆ Effective ridding of existing rust, grits and sea water accumulated during voyage and operation
- ◆ Uniformed lubricating process and penetration of the lubrication to the core of the wire rope
- ◆ Proper lubrication ensure prolonging of wire rope operating life span
- ◆ Reduce friction on equipment thereby reducing wear and tear
- ◆ Provides a detailed "Pre-Lubrication Checklist" on your wire rope and sheaves condition in accordance with ISO 4309:2004 prior to actual lubrication.



Velocity VLS-48 Wire Rope Lubricating System

Velocity VLS-48 Lubricating Collar

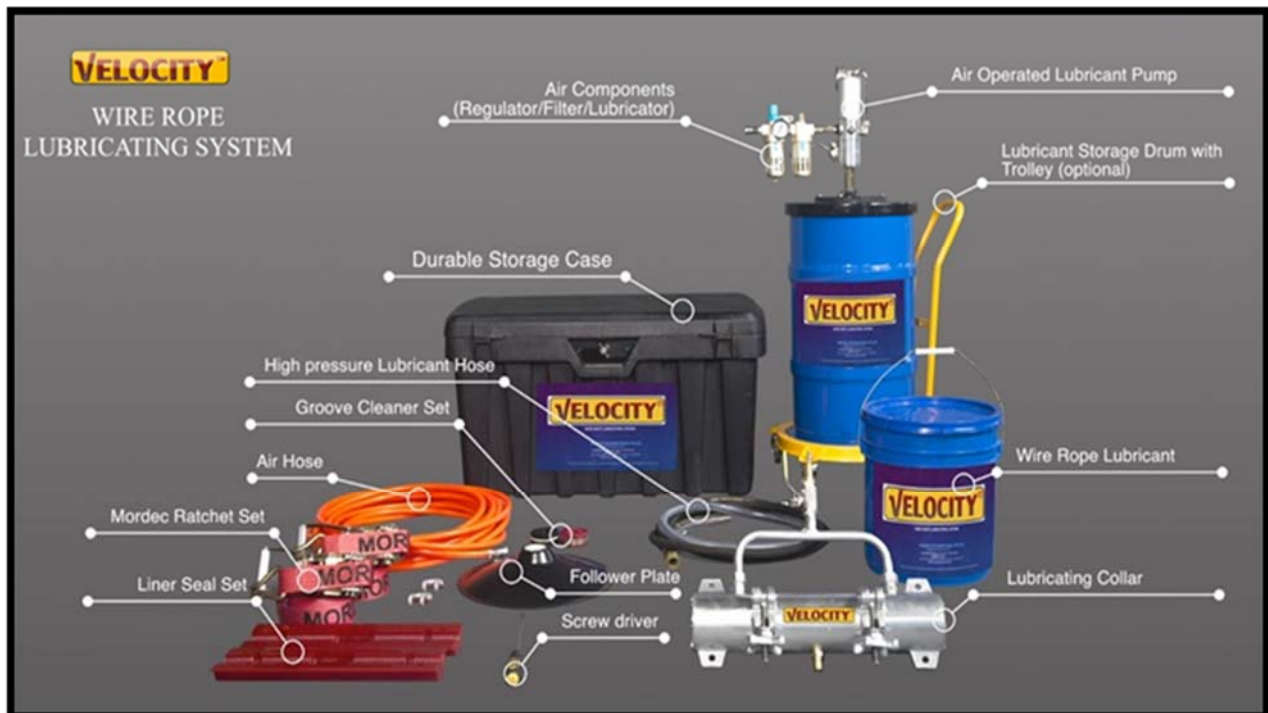
With robust and rugged construction and corrosion protection coating, the lubricating collars are extremely strong, casted from aluminum alloy.

The large inlet chamber allows the grease to penetrate into the wire rope at higher speeds



Velocity VLS-48 Lubricating Collar

- It has two anchor holes at each end to enable it to secure and easy to use locking toggles to lock the two halves of the collar in place.
- The Collar allows lubrication of wire ropes from 8mm to 48mm.



* Visuals in this catalogue are for reference only. Actual outlook of product may differ.

Velocity LB-2.0 Wire Rope Lubricant

Velocity LB-2.0 is soap thickened wire rope lubricant containing extreme pressure and anti-wear additives. This is formulated in highly refined high viscosity base oil making it suitable for wire ropes.

This lubricant provides extended long service life in heavy-duty operations.

Key Features

- Highly tacky and adhesive
- Contains high base oil viscosity
- Contains extreme pressure and anti-wear additives
- Water Resistant



No.	Specification	Velocity LB-2.0
1.	Stock Code	VLS-LB-2.0-1027
2.	Viscosity	NLGI Grade 2.0
3.	Colour	Blue
4.	Texture	Smooth / Adhesive
5.	Water Content	Nil
6.	Pack Size	16kg

Velocity PP-500 Pneumatic Pump



Velocity PP-500 Pneumatic Pump is designed for unmatched performance in demanding condition.

Pump dispenses grease at 50 times the air pressure inlet.

All metal construction, fully CNC machined with hardened wear resistant moving parts.

Supplied complete with drum cover, rubber line follower plate, 3M Long High Pressure grease hose & professional grease control valve.

No.	Specification	Velocity PP-500
1.	Stock Code	VLS-PP500-032
2.	Working Pressure	2-10 BAR (30-150PSI)
3.	Max. Outlet Pressure	500 BAR (7500PSI)
4.	Air Inlet Connection	1/4" NPT
5.	Pump Outlet Connection	3/8"
6.	Air Consumption	13 CFM
7.	Grease Output	3.2 Kg per min in free flow
8.	Noise Level (DB)	85-90 dB

Velocity GC Wire Rope Groove Cleaner

In one application, the wire rope can have its surface and grooved pattern scraped clean of product build-up and grit.

Custom made to fit into Wire Rope diameters from 08mm to 48mm and the contours of the rope, Right Hand or Left Hand Lay



Velocity GC Wire Rope Groove Cleaner Available

Diameter Range : 08mm to 48mm

Stock Code :

- VLS-GC-439-xxx
- VLS-GC-357-RH-xxx
- VLS-GC-636-xxx
- VLS-GC-357-LH-xxx

xxx = Diameter of Wire Rope

Seals

The Seals are made from a polyurethane material with multiple grooves that allow lubricant to penetrate to the wire core.

It is durable and wear resistant, while at the same time being flexible to achieve excellent sealing under pressure.



THE IMPORTANCE OF LUBRICATION IN WIRE ROPES



All wire ropes require consistent maintenance and proper care in order to remain in good condition and functionally efficient.

- ◆ During operation the strands that make up a wire rope are under constant stress and strain
- ◆ The strands constantly rub against each other causing friction
- ◆ The friction causes the strands to wear
- ◆ The friction heat causes oxidation resulting in high internal core temperatures which in turn accelerates rusting and causes premature rope failure



Proper lubrication reduces the friction, thus resulting in the full and functional lifespan of the rope. Besides, the lubricant also provides total protection against corrosion.

PROBLEM WITH MANUAL LUBRICATION



Insufficient penetration to prevent friction

With the manual lubrication method, the lubricant cannot penetrate through a compact wire rope and will allow friction to take place upon the use of the wire ropes. The abrasion will destroy the wire rope from the inside and will cause the rope to be potentially dangerous.

Operationally Inefficient

The wire rope lubricating operations heavily rely on manual work which uses rags, brushes and gloves to spread the lubricant onto the wire rope. This method is time consuming, costly and inefficient.

Ineffective to prevent rust

With the manual lubrication method, the lubricant forms a film on the surface whereby water vapour can penetrate, thus becoming trapped. Any temperature changes will cause condensation and rust begins to form. This will shorten the life span of the wire rope.

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