

Lubrettec Wire Rope Lubricator (WRL)

**Efficient, Safe and Reliable
wire rope maintenance**

Why Use the Lubretec WRL?

The importance of proper lubrication

Wire ropes are critical safety components in cranes, winches, lifts and offshore equipment. Proper lubrication is proven to extend service life by 2–3 times compared to unlubricated ropes.

The problem with manual lubrication

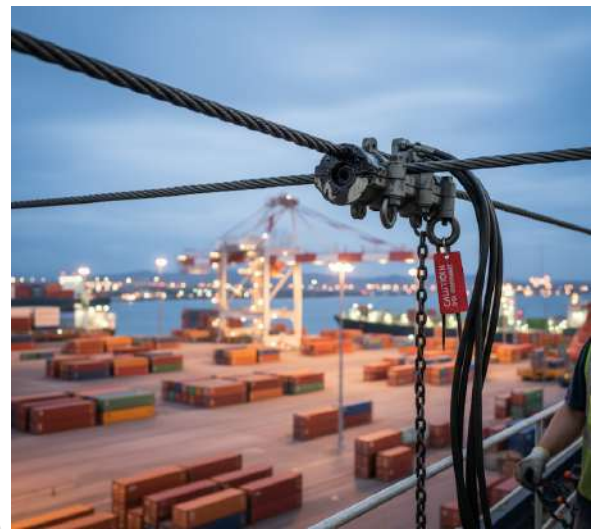
- Messy, time-consuming and unsafe
- Techniques like brushing, spraying or dipping fail to reach the rope's core
- Lubricant waste and uneven coverage

The Lubretec WRL solution

- High-pressure applicator forces grease deep into the rope core
- Removes old grease and moisture before re-lubricating
- Semi-automatic operation for safer, cleaner and faster maintenance

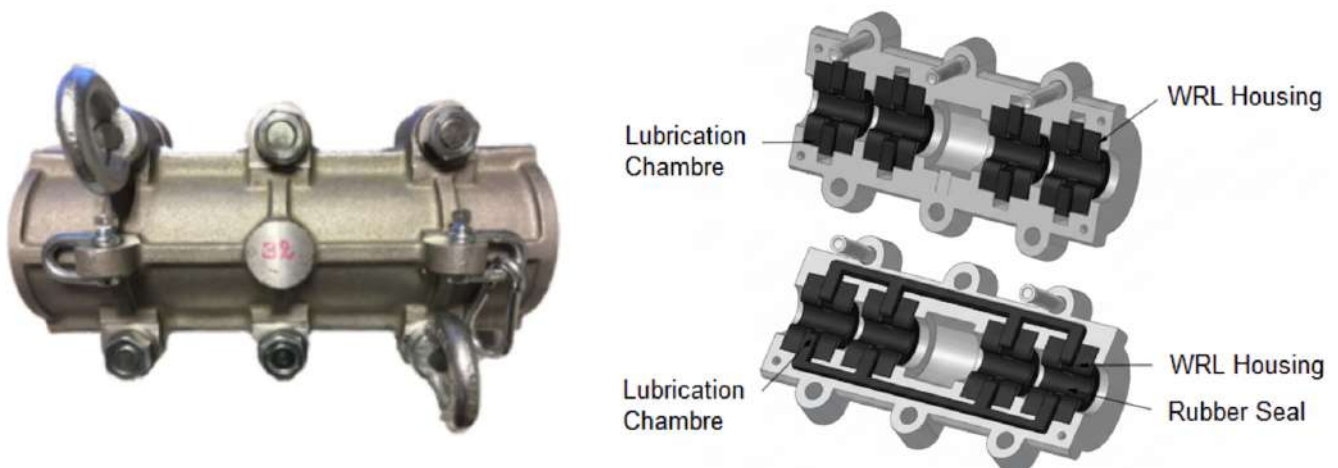
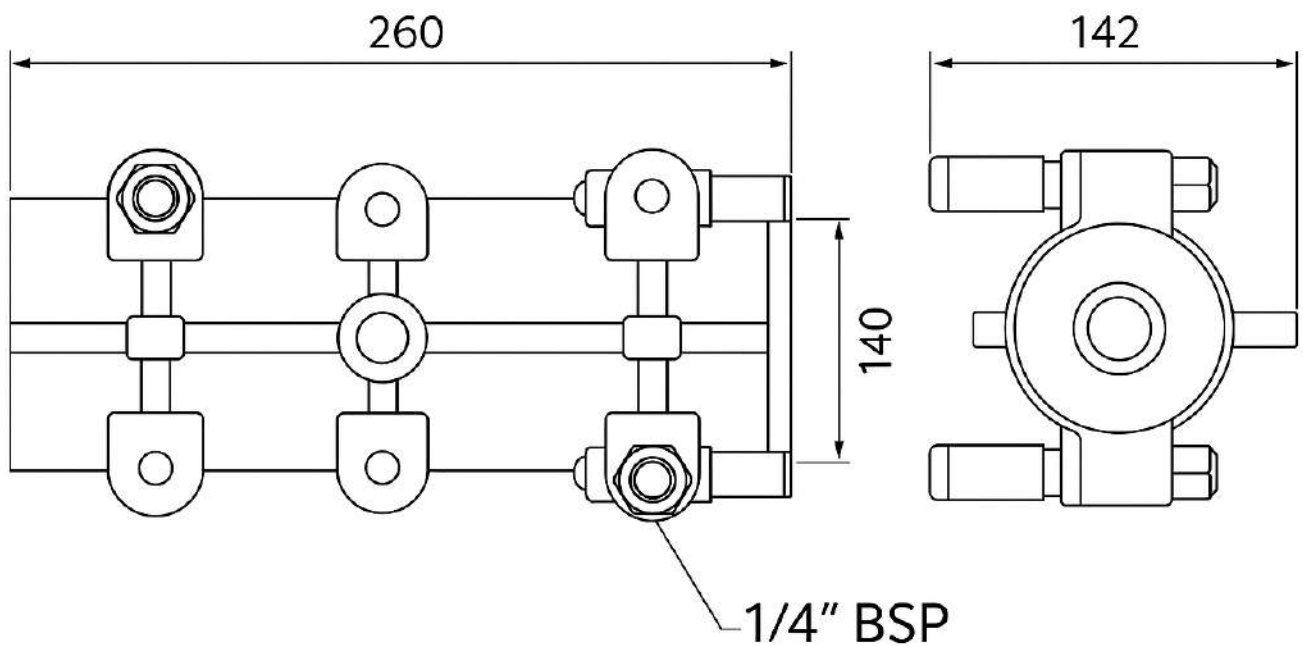
Key benefits

- Extends wire rope lifetime
- Reduces downtime and maintenance costs
- Improves safety and working conditions
- Cleaner, more sustainable lubrication



Technical Features

- **Rope diameters:** 6 – 48 mm
- **Applicator unit:** lightweight industrial design
- **Seals:** synthetic rubber, matched to rope diameter (diameters 6-48 mm available)
- **High-pressure grease pump:** 60:1 ratio, up to 8 bar, drum cover and follower plate
- **Pump/cover/plate sets for 20, 50 or 180 kg drums**
- **Accessories:** HP hoses, valves, air regulator and HP quick connect adapters (option). Fixation tools and Heavy duty carrying case in aluminum or steel.



Working principle

The WRL housing is clamped around the rope with tailored seals. As the rope moves slowly through the unit:

- High-pressure grease is injected under controlled conditions
- Lubricant penetrates into rope core and fills outer cavities
- Excess grease, dirt and moisture are expelled

Working principle details

The WRL applicator housing is fitted with the correct seals compatible with the wire rope diameter. This WRL is mounted around the wire and tightly fixed with the 6 bolts & nuts. The WRL is then fixed with fixations provided so that it cannot move while the wire runs through.

The High-pressure grease hose is connected to the grease pump. Grease pump is mounted to the drum/bucket with the correct cover and follower plate provided. The air regulator is connected to the plant air-line. Normally 5-6 bar should be sufficient.

The principle of semi-automatic greasing is achieved when the wire rope is moving through the WRL applicator at a low speed. Grease pump air pressure is to be regulated so that the volume of grease is not excessively leaving the WRL but only just leaving a very thin clean film of grease, filling the exterior cavities of the wire rope. The high pressure system will make the grease penetrate into the core of the wire.

The volume can also be regulated and switched on and off with the HP valve fitted between pump and grease hose. The regulation is function of grease type (and exterior temperature) , wire speed and diameter and shall be tested and adjusted prior to full speed lubrication.

These seals are very resistant and lubricate +3000 m of wire, depending on the quality of the wire (new or old and rusty). The system will normally remove old excessive grease and expels internal water before applying new grease under pressure.

Note: Always apply special grease for Steel Wire Ropes with good penetrating capacity.

Working principle details



Operational notes

- Semi-automatic lubrication at low rope speed
- Grease film thickness adjustable via HP valve
- Seals can lubricate 3,000+ m rope, depending on condition

Product Range & Ordering Advice

Product Range

- **WRL Applicators** – for 6–36 mm and 37–48 mm wire ropes
- **Seal kits** – available for each rope diameter (6–48 mm)
- **Pump kits** – for 20, 50, 180 kg drums (incl. pump, plate, cover, hose)
- **Fixation sets & carrying cases** – durable aluminium or steel options
- **Scraper-cleaners** – spiral or dedicated type (on request)

Ordering advice

- Always measure rope with a gauge before ordering
- Special diameters available on request

Lubretec – Specialist in Wire Rope Lubrication Solutions



Lubricated Steel Wire Rope



Non Lubricated Steel Wire Rope

Product range

Code	Description	Diam. mm
IZ-WRLD01A0	Lubretec WRL, Grease applicator only, no seals (for wire diameter 6 – 36 mm)	6 - 36
IZ-WRLSD106	Lubretec Wire Rope Lubricator, Extra Seal Kit for 6 mm wire	6
IZ-WRLSD107	Lubretec Wire Rope Lubricator, Extra Seal Kit for 7 mm wire	7
IZ-WRLSD108	Lubretec Wire Rope Lubricator, Extra Seal Kit for 8 mm wire	8
IZ-WRLSD109	Lubretec Wire Rope Lubricator, Extra Seal Kit for 9 mm wire	9
IZ-WRLSD110	Lubretec Wire Rope Lubricator, Extra Seal Kit for 10 mm wire	10
IZ-WRLSD111	Lubretec Wire Rope Lubricator, Extra Seal Kit for 11 mm wire	11
IZ-WRLSD112	Lubretec Wire Rope Lubricator, Extra Seal Kit for 12 mm wire	12
IZ-WRLSD113	Lubretec Wire Rope Lubricator, Extra Seal Kit for 13 mm wire	13
IZ-WRLSD114	Lubretec Wire Rope Lubricator, Extra Seal Kit for 14 mm wire	14
IZ-WRLSD115	Lubretec Wire Rope Lubricator, Extra Seal Kit for 15 mm wire	15
IZ-WRLSD116	Lubretec Wire Rope Lubricator, Extra Seal Kit for 16 mm wire	16
IZ-WRLSD118	Lubretec Wire Rope Lubricator, Extra Seal Kit for 18 mm wire	18
IZ-WRLSD119	Lubretec Wire Rope Lubricator, Extra Seal Kit for 19 mm wire	19
IZ-WRLSD120	Lubretec Wire Rope Lubricator, Extra Seal Kit for 20 mm wire	20
IZ-WRLSD121	Lubretec Wire Rope Lubricator, Extra Seal Kit for 21 mm wire	21
IZ-WRLSD122	Lubretec Wire Rope Lubricator, Extra Seal Kit for 22 mm wire	22
IZ-WRLSD123	Lubretec Wire Rope Lubricator, Extra Seal Kit for 23 mm wire	23
IZ-WRLSD124	Lubretec Wire Rope Lubricator, Extra Seal Kit for 24 mm wire	24
IZ-WRLSD125	Lubretec Wire Rope Lubricator, Extra Seal Kit for 25 mm wire	25
IZ-WRLSD126	Lubretec Wire Rope Lubricator, Extra Seal Kit for 26 mm wire	26
IZ-WRLSD128	Lubretec Wire Rope Lubricator, Extra Seal Kit for 28 mm wire	28
IZ-WRLSD130	Lubretec Wire Rope Lubricator, Extra Seal Kit for 30 mm wire	30
IZ-WRLSD132	Lubretec Wire Rope Lubricator, Extra Seal Kit for 32 mm wire	32
IZ-WRLSD133	Lubretec Wire Rope Lubricator, Extra Seal Kit for 33 mm wire	33
IZ-WRLSD134	Lubretec Wire Rope Lubricator, Extra Seal Kit for 34 mm wire	34
IZ-WRLSD136	Lubretec Wire Rope Lubricator, Extra Seal Kit for 36 mm wire	36
LARGE DIAMETER WIRES		
IZ-WRLD01B0	Lubretec WRL, Grease applicator only, no seals (for wire diameter 37- 48 mm)	37 - 48
IZ-WRLSD137	Lubretec Wire Rope Lubricator, Extra Seal Kit for 37 mm wire	37
IZ-WRLSD138	Lubretec Wire Rope Lubricator, Extra Seal Kit for 38 mm wire	38
IZ-WRLSD139	Lubretec Wire Rope Lubricator, Extra Seal Kit for 39 mm wire	39
IZ-WRLSD140	Lubretec Wire Rope Lubricator, Extra Seal Kit for 40 mm wire	40
IZ-WRLSD141	Lubretec Wire Rope Lubricator, Extra Seal Kit for 41 mm wire	41
IZ-WRLSD142	Lubretec Wire Rope Lubricator, Extra Seal Kit for 42 mm wire	42
IZ-WRLSD143	Lubretec Wire Rope Lubricator, Extra Seal Kit for 43 mm wire	43
IZ-WRLSD144	Lubretec Wire Rope Lubricator, Extra Seal Kit for 44 mm wire	44
IZ-WRLSD146	Lubretec Wire Rope Lubricator, Extra Seal Kit for 46 mm wire	46
IZ-WRLSD148	Lubretec Wire Rope Lubricator, Extra Seal Kit for 48 mm wire	48
IZ-WRLCASE01	Lubretec Wire Rope Lubricator, Case for 20 kg drum pump kit	
IZ-WRLPMP020	Lubretec WRL, Kit HD pump, plate, cover, 4 m hose: 20 kg drum	
IZ-WRLPMP050	Lubretec WRL, Kit HD pump, plate, cover, 4 m hose: 50 kg drum	
IZ-WRLPMP180	Lubretec WRL, Kit HD pump, plate, cover, 4 m hose: 180 kg drum	
IZ-WRLFIXSET	Lubretec Wire Rope Lubricator, Set fixation for WRL applicator unit	

Remarks

Always re-measure wire rope with gauge before ordering

Special (Intermediate) diameters on request

Scraper-cleaners available on request: ask for order form

Dedicated wire scrapers or Spiral brush type for multiple diameters





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