

# Elmar Variable Length Lubricator - VLL

Reducing non-productive time is critical if you have a wireline issue during runs.

Our lightweight variable length lubricator is designed to achieve two specific functions: To effectively contain well pressure during wireline intervention and provide safe and easy access to the wireline in the event of a problem.

As with conventional lightweight lubricators, our variable length lubricator enables the wireline toolstring to be introduced into the well while maintaining full pressure integrity.

By using high strength stainless steel alloys, the weight of the lubricator section is reduced by up to 70% compared to integral equivalent.

Our lightweight variable length connection is comprised of two specially designed adapters and a locking ring.

The variable length and quick union adapters are connected to the lubricator tube by a premium-threaded connection with a metal-to-metal seal, backed up by an elastomer seal. The use of stainless-steel alloys reduces the amount of maintenance required between jobs.

Should there be a problem with the wireline during intervention work, e.g. stranded line, once bled down, our lightweight variable length lubricator can be unlocked and disconnected above the wireline valve and the lower section raised and locked in the retracted position allowing access to the wireline.

A lightweight pulley kit provides a safe and controlled lift of the lower variable length section. This is particularly useful whenever the top sheave and the lubricator string are supported by a single lifting device.

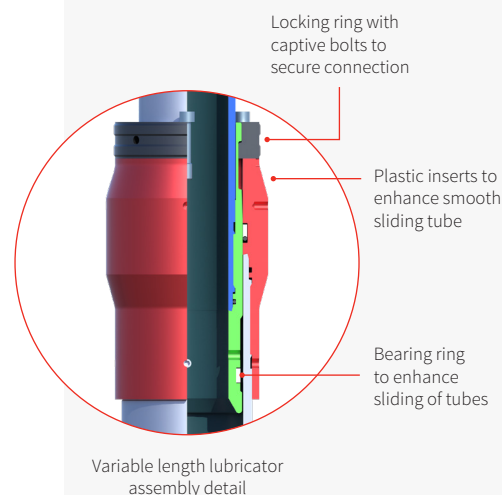
It is recommended that the variable length lubricator be used in conjunction with our cable cutter sub to maximize line length and minimize recovery steps.



Compact design of lightweight variable length connection

### Features and Benefits

- Reduces NPT in the event of a problem during wireline runs
- Allows safe and easy access to the wireline in the event of a problem
- Corrosion resistant tube made from high strength NACE compliant stainless steel for maximum equipment life
- Quick unions and variable length adapters are coupled through premium Elmar Lite coupling:
  - Tube-to-union seal is metal to metal backed-up by o-ring
  - Uses existing special handling tools
- Calibrated torque is not required
- Bending stresses at the thread undercut are minimized
- Full material traceability and 3rd party independent approval covering API 6A, and NACE (for H<sub>2</sub>S)



Variable length lubricator assembly detail

### Options

Cable cutter sub

Ranges from 3-in to 5½-in. 10,000-psi working pressure

Crossovers from VLL to WPCE

Service and maintenance tools