



## Euroload Limited Stinger Load Monitoring





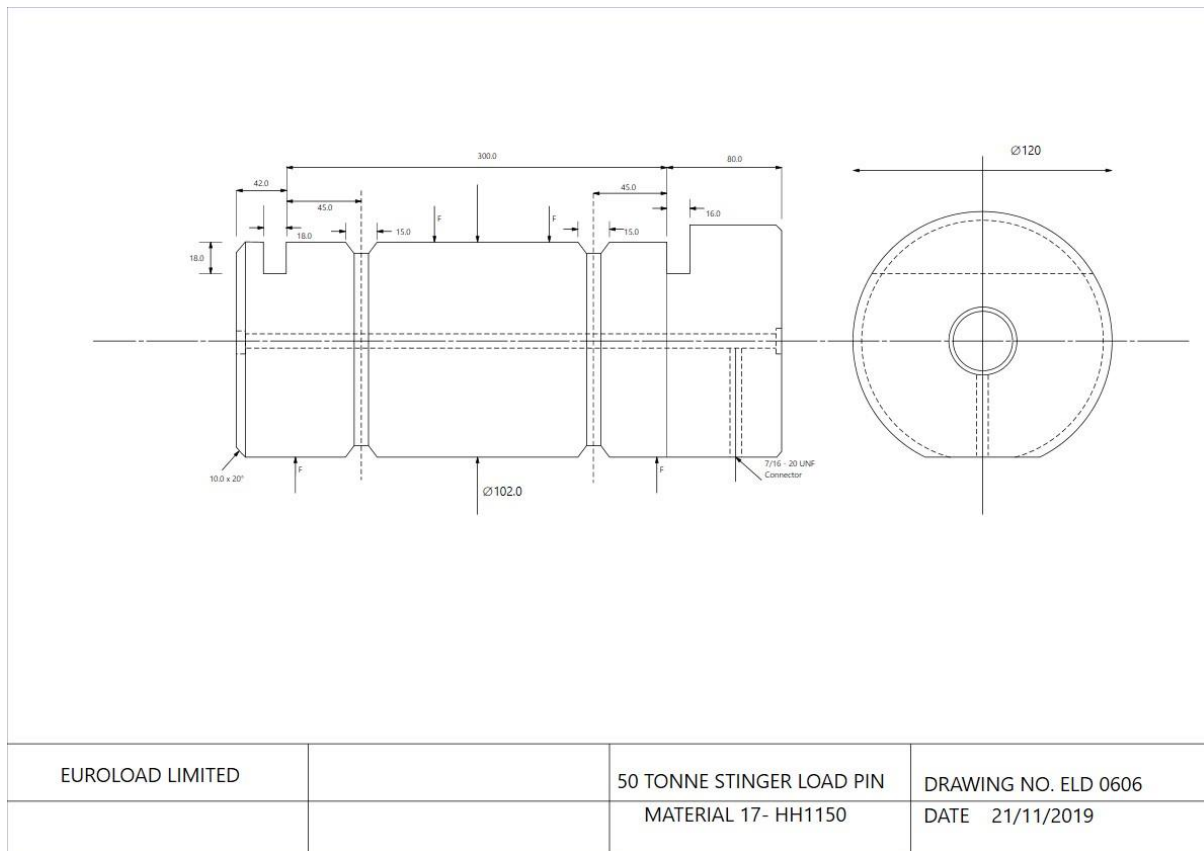
## System Description

Euroload limited have over 30 years' experience designing and delivering load monitoring solutions for cable laying Stinger applications. Every stinger varies slightly, and the amount of points being monitored varies.

## Load Pin

The load pin is the heart of the system. As designs vary, we custom design the load pins to fit your existing stinger. All our load pins are 100% stainless steel and designed for 3000-meter water depth as standard. All our stinger load pins are dual strain gauged and fitted with dual amplifiers (4-20 ma as standard) for 100% redundancy built in. We use CR Encapsulation for the sub sea connectors due to there high quality. Other manufacturers connectors are available on request.

### Typical 50 tonne Stinger Pin



As the load pin is custom designed for each application the customer can select the orientation of the key plates and connector output. A drawing is always issued for approval prior to manufacture.



# Display/Output Options

## Outputs

The signal from the load pins can be integrated into existing systems/PLC. As standard the signal is 4-20 ma, but we can convert this to any suitable signal to fit smoothly into existing systems.

## Display options

We have various display options to suit your requirement. As these are also built to order, customer input is welcome.

We can supply digital indicators loose to be fitted into existing locations or supply prebuild panels housing the digital indicators. We only use quality well know suppliers for all our components, the enclosure is stainless steel and the indicators are standard analogue 1/8 DIN process meter. We use Red Lion for our process meters. The indicators come with lots of options including analogue output, digital output, relays and more.

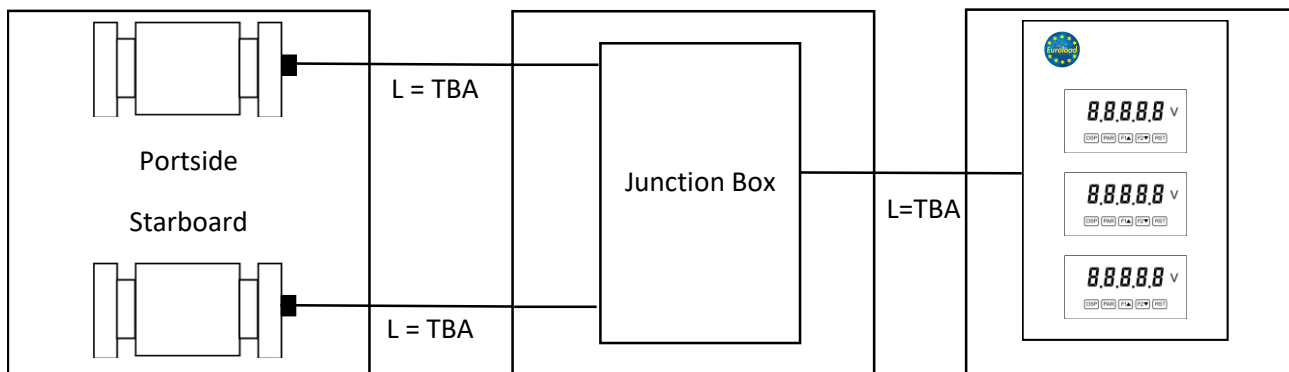


Stainless steel display with 2 off indicators, IP66 enclosure with IP67 protective viewing windows.

Stinger

Barge Hull

Stinger Control Room



Two pin stinger system with 3 digital displays, one port, one starboard, one for total.

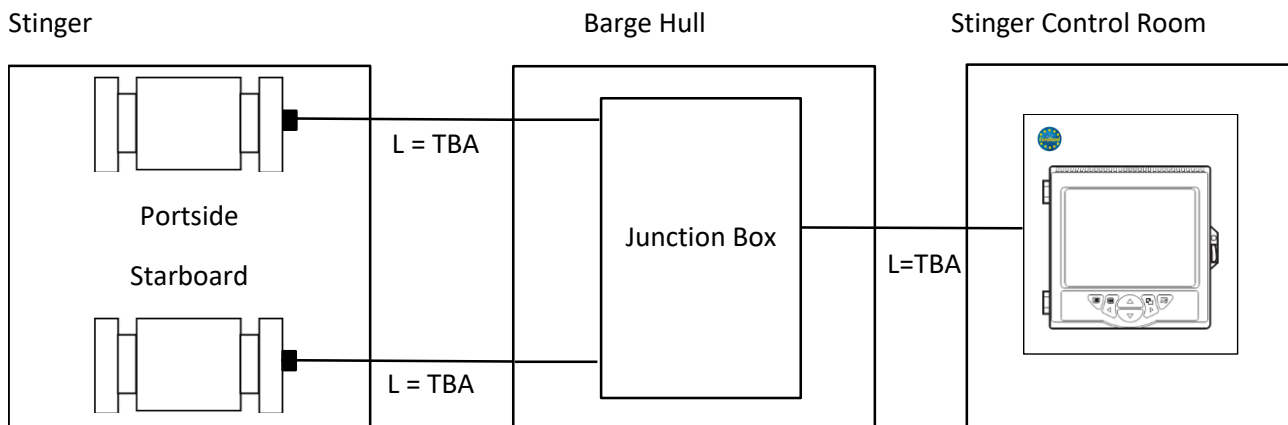


## Data Logging

Euroload can provide data logging via an ABB SM500 video graphic recorder.

A fully sealed IP66 and NEMA 4X enclosure ensures full protection against water and dust ingress, making the SM500F ideal for hose-down and dirty applications in even the most hostile environments. A choice of mounting options together with an ultra-slim design means the recorder can be installed in virtually any location, from panel and wall to pipe. Front-mounted pushbuttons allow easy selection of data in a user-friendly Windows™ environment. Commissioning, setting and fine tuning is easily performed using the simple and concise menus. Added support is provided by an extensive, context-sensitive, inbuilt help feature.

Fully compliant with the FDA's (Food and Drug Administration) 21 CFR Part 11 regulations concerning electronic process data collection, the SM500F is ideal for any installation where local indication and recording of process conditions is required.



Two pin stinger system with junction box and ABB SM500 video graphic recorder. The recorder can be supplied loose for integration into existing locations or supplied remounted within a wall mount stainless steel enclosure.



## Stinger Load Monitoring

Local Agent: