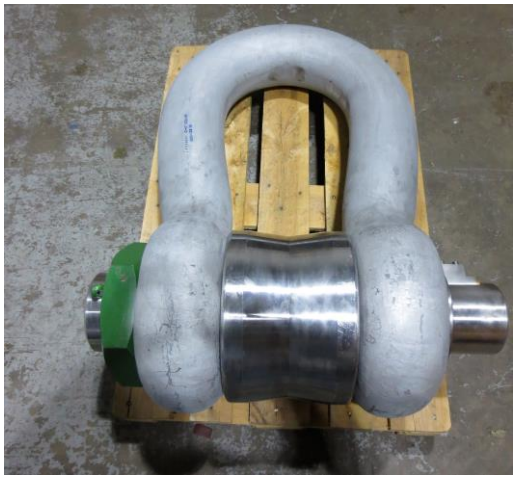
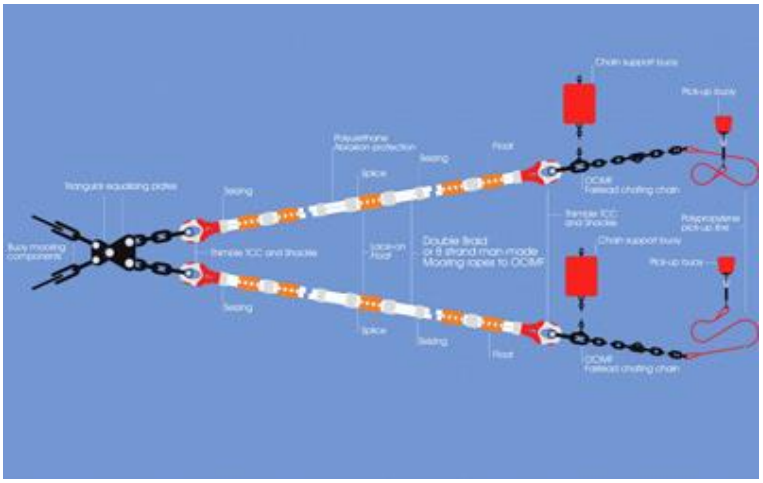
Sub Sea Load Shackle.
Mooring Line Remote Load Datalogging





Euroload Limited supply a range of subsea load monitoring shackles with built in datalogging for the monitoring of subsea Mooring lines. The datalogger can be set to record continuous or on events or triggers.

For Mooring lines we recommend setting the event to 80% of the line SWL, any value above this preset will be recorded at preset intervals. Can last years remotely depending on logging requirements, up to 5 years at 1 minute continues update.

The data is removed and analyzed when the mooring line is removed from hire/service. This gives the customer a 100% record of any events occurring to the mooring line during deployment. For quality control you can guarantee the lines have never been overloaded or have been overloaded and can be removed from service reducing the risk of incidents.

There is no restriction on the size or style of shackle we can fit this datalogging package to. We can use any manufacture of bow of your choice. Euroload manufacture a new fully stainless-steel load pin which is rated to 3000 meters water depth.

For any mooring line direct or remote load monitoring, contact our technical team to discuss all options.

Technical Specification

- The Euroload Sub-sea remote datalogging shackles are a battery-powered, stand-alone data loggers that measure and record load values from strain gauged load cells. This compact, unit is perfect for monitoring stress in remote locations. The datalogger offers a multiple start/stop function, ultrahigh speed download capability, 1 million reading storage capacity, optional memory wrap, battery life indicator, optional password protection, programmable alarms and more. Data retrieval is simple. Plug the supplied cable into the subsea connector and the easy to use Windows software does the rest. The software converts your PC into a real time strip chart recorder. Using the Windows® software, starting, stopping and downloading from the datalogger is simple and easy. Graphical, tabular and summary data is provided for analysis and data can be viewed in tonnage. The data can also be automatically exported to Excel® for further calculations. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Its small size allows it to fit almost anywhere.

- The datalogger was designed with our customers in mind. There are free firmware upgrades for the life of the product so that data loggers already deployed in the field can grow with new technological developments. Units do not need to be returned to the factory for upgrades. The user can do this automatically from any PC.
- Specifications:
- Data Logger
- Reading Rate: 4 Hz to 1 every 24 hours.
- Memory: 1,000,000 readings; software configurable memory wrap 333,000 readings in multiple start/stop mode.
- Memory Wrap around: Yes.
- Start Modes: Immediate start, delay start up to 24 months, multiple pushbutton start/stop
- Stop Modes: Manual through software timed (specific date and time)
- Multiple Start/Stop Mode: Start and stop the device multiple times without having to download data or communicate with a PC
- Multiple Start/Stop Mode activation: to Start the Device: Press and hold the pushbutton for five seconds, the green LED will flash during this time. The device has started logging.
- To Stop the Device: Press and hold the pushbutton for five seconds, the red LED will flash during this time. The device has stopped logging
- Real time Recording: The device may be used with PC to monitor and record data in real-time
- Battery Life: 5 years typical, at a 1 minute rate with 1000 ohm load.
- Software: XP SP3/Vista/7 and 8 (32- and 64-bit)