

Technical Specification

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|---|-----------------------------|
| Outer Body Diameter in (mm) | 8.00 (203.2) |
| Inner Diameter in (mm) | 3.00 (76.2) |
| Length (approx.) ft (m) | 8 (2.4) |
| Connection | To suit |
| Maximum Differential Pressure Psi (bar) | 10,000 (690) |
| Maximum Hydrostatic Pressure Psi (bar) | 20,000 (1380) |
| Max Temp°F (°C) | 150 (300) |
| Max load (tension/compression) lbf (mT) | 1,800,000 (818) |
| Torsional Yield ft.lb (N.m) | 96,000 (130,000) |
| Measurement Specifications | Max load (tension) lbf (mT) |
| Vibration, Axial (G) | +/- 100 |
| Vibration, Lateral (G) | +/- 40 |
| Load lbf (mT) | +/- 1,500,000 (681) |
| Torque ft.lb (N.m) | 80,000 (108,000) |
| Temperature (Internal and External) °F (°C) | 300 (150) |
| Pressure (Internal and External) Psi (bar) | 14,500 (1000) |
| Data Recording Rates Hz | Up to 4000 |
| Battery Life (Recording) Hrs | 160 |

Specifications are for guidance only and are subject to change. Alternative sizes available on request.

Technical Advantages

- Super-strong and robust
- Ultra-versatile multi-sensor array
- High sample rate
- Huge data storage
- Cased or open hole
- Fully retained components

EvoLOG

Drill-string dynamics data logger



EvoLOG is a drillstring dynamics logging tool which can be deployed in any drilling operation to record the behaviour of the drillstring over a period of time.

EvoLOG continuously logs parameters of Tensile Force, Compressive Force, Torsional Force, Multi-Axis Acceleration, Pressure and Temperature both bore and annulus at a sample rate of 4000Hz for up to 160hours. Time delays, and programmable intervals and triggering values can be utilised to maximise the effectiveness of the recorded data and to preserve battery life.

EvoLOG is recommended for use in fishing operations, casing pulling campaigns, liner and casing deployment, and in slot recovery and side-track operations.

Operator Benefits

- 'Actual' BHA performance recorded and reported providing invaluable vital data
- Aids stuck point identification in fishing and P&A
- Improves and enhances campaign performance improving productivity and reducing cost

Operating guide to use

EvoLOG is programmed through the windows Graphical User Interface (GUI) with the necessary triggering and data capture parameters for optimal drill string dynamics recording prior to deployment. The data is downloaded through the same GUI once EvoLOG recovered to surface. The data is then analysed by HydroVolve technical specialists to assess the performance and recommend forward action.

Technical Features

