

# Geograph Line Retriever

Monitors block movement to assist with calculating depth and rate of penetration

## Applications

- Monitoring depth on floating rigs, typically in deep water

## Features and Benefits

- The multidirectional cable guide reduces the likelihood of cable damage and improves reliability.
- Highly corrosive-resistant materials used to construct the retriever reduce maintenance requirements and increase longevity.
- Parts and construction that comply with hazardous-area requirements make the retriever suitable for use in hazardous areas around the world.

## Certifications

The geograph line retriever meets the following certification standards:

- CSA/FM Class I, Division 2
- ATEX/IECEX Zone 1

## Tool Description

The geograph line retriever monitors drillstring movement and is used in conjunction with Weatherford surface logging system software to calculate depth, rate of penetration (ROP), block speed, and block position. The line retriever can become motion compensated through the use of additional sensors.

## Specifications

### Encoder

Brand	Hohner
Model	SPFX-017
Material	Aluminum and stainless steel
Weight	3.3 lb (1.5 kg)
Bearing life	7.5 × 10 <sup>9</sup> rev (50,000 hr at 2,500 rpm)
	3,000
Barrier	BEI Technologies P/N: 924-60004-002
Precision	100 counts per shaft
Supply voltage	5 to 24 V
Frequency response	150 kHz
Operating temperature	−4°F to 140°F (−20°C to 60°C)
Operating humidity	Up to 98% is permissible
Vibration	500 Hz @ 5 gs



Used with Weatherford surface logging software, the geograph line retriever helps to calculate drilling parameters such as depth and ROP.

