

Relative Bearing Tool

Validates perforating gun orientation prior to initiating gun firing

Applications

- Pump down perforating

Features and Benefits

- High resolution accelerometers
- Plug and Play—no special panels or hardware required
- Compatible with the Warrior System and commercial perforating switches
- Simple field calibration
- Ballistic service complaint
- Accurately measures real-time roll inclination
- Understand orientation prior to the shot

Tool Description

The Weatherford relative bearing tool (RBT) is a ballistic-rated, wireline, real-time data measurement device that verifies downhole toolstring orientation.

The high resolution, solid state, 3-axis accelerometers provide the industry's most straightforward measurement for validating gun orientation prior to initiating gun firing, allowing time for gun repositioning and/or understanding the actual shot direction, delivering a whole new level of control.

As oriented perforating becomes more important, especially where fiber lines and alignment is critical, the RBT provides insight on where to perforate prior to the shot.



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Specifications

Mechanical

Outside diameter	2.750 in. (69.9 mm)
Connection pin/box	1-5/8 in. - 6 ACME
Maximum temperature	350°F (175°C)
Maximum pressure	20,000 psi (138 MPa)
Makeup length	18 in. (457 mm)
Weight	23 lb (10.43 kg)
Thru wire (single)	600 V
Operating voltage	20 - 50 V
Current draw	35 mA
Shot rating	5,000 g, 1.0 ms

