

Oriented Perforating Tool

Preselects the direction in which perforating guns fire

Applications

- Perforating
- Extended-reach and high-deviation wells

Features and Benefits

- Simple mechanical design
- Low maintenance requirements
- Low friction roller platform
- Modular system
- Fast set-up on surface
- Reduces cost, reaches extended depths and higher deviations without the need for more costly intervention services
- Reduces risk, no power required from surface to operate

Tool Description

The Weatherford oriented perforating tool (OPT) is a wireline-deployed passive roller platform which is used in combination with the Weatherford Roller Bogie[®] conveyance system.

The OPT is connected to the bottom of the gun string, ensuring that the gun rotates, and the perforating charges are positioned at the preferred orientation in relation to the low side. This method ensures that production opportunity is optimized by perforating in the desired fracture plane.

The OPT is made up of modular weight-biased sections that combine to deliver torque to the gun assembly, rotating the guns to the desired direction of fire. Gun alignment is adjusted manually on surface using an indexing system to select the required orientation prior to running in hole.

The dial-up indexing feature of the OPT ensures fast orientation setup. Unlike certain other systems, the OPT places no restriction on the size or type of shaped charge that can be used.



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Specifications

Mechanical

Tool size	3.350 in. (85.09 mm)	3.600 in. (91.44 mm)
Weight	174 lb (78.9 kg)	189 lb (85.73 kg)
Length	124 in. (3.15 m)	124 in. (3.15 m)

Standard, sour, or severe sour services available
Connections available to suit customer specifications

