

Downhole Electric Swivel



The Phuel Downhole Electric Swivel is used in wireline operations to avoid twisting damage to the wire. It is usually positioned just below the cable head to prevent any rotation of the tooling string being translated to the wire during running or pulling operations. The Phuel Swivel is pressure compensated so that the external well pressure does not cause it to lock, ensuring that it performs even under extreme conditions.

The Swivel is filled internally with silicon oil which, when in combination with a floating piston, matches the external well pressure. This ensures that there is no differential pressure across the swivel seals that would otherwise prevent rotation while downhole.

The single electrical conductor path contains no springs, to ensure that the current capacity is maximized making it particularly suitable for tractor operations. The Electric Swivel is available with the end connections and pin configurations to suit your existing equipment. Please specify when ordering.

Technical Specifications

Maximum Operating Pressure—1550 bar

Maximum Temperature—200°C

Maximum Power—10kVA

Maximum Outside Diameter—2.125 in

Make up length—9.50 inches

Safe Working Load limit—2750Kg

Weight—3.8 Kg

Material AISI 4140 (18-22Rc)—NACE compliant



**A FLEXIBLE
APPROACH,
IMPROVED SAFETY
AND EFFICIENCY
THROUGH DESIGN**

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