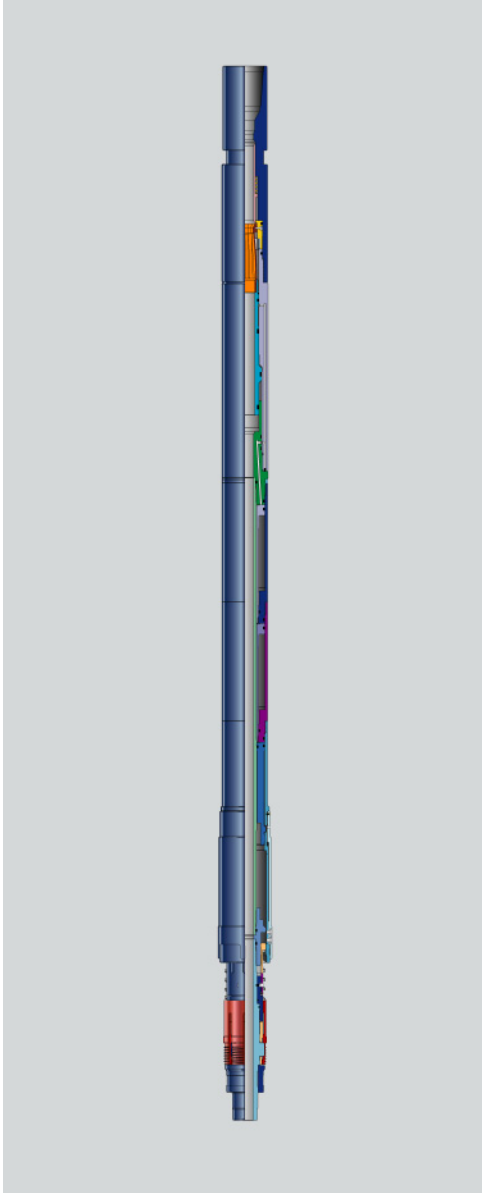


# Pressure-Operated Isolation Tool

**Schlumberger**

*Pressure-operated isolation tool.*



The pressure-operated isolation tool (POIT) completely isolates the QUANTUM\* gravel-pack packer-setting tool releasing mechanism during well operations. When run with the QUANTUM standard service tool, it prevents premature packer setting caused by gun shock, underbalance pressure surges, and well-control operations.

If bullheading is required, the tool permits full well control without compromising the integrity of the packer.

The POIT is deactivated by rupturing a disk with applied annulus pressure. The tool deactivation setting is easily adjusted to operating requirements. Once the POIT is disabled, the QUANTUM packer is set using standard setting procedures.

As a backup, a plug or ball can be dropped to mechanically deactivate the POIT and enable setting the packer. The hydraulic release function of the POIT is activated only after the packer-setting sequence has been initiated.

## **Applications**

- Isolation of packer during well operations
- Completions where tubing-to-annulus differential pressures up to 5,000 psi [34,475 kPa] are required
- QUANTUM PERFPAC\* sand-control, one-trip installations

## **Benefits**

- Full well control without compromising packer integrity

## **Features**

- Rupture disk to deactivate
- Contingency deactivation options
- Hydraulic release function activated only after packer setting has been initiated
- Available for 7-in. [177.8-mm] packers and larger