HALLIBURTON

WELL CONSTRUCTION | OPENHOLE ISOLATION SYSTEMS

StrataGuard™ HX openhole packer

High-expansion sealing capabilities for a variety of openhole applications

FEATURES

- Hydraulic set
- Anti-preset feature
- Adjustable setting shear
- High-expansion element package with robust backup system
- Small running OD/short packer length
- API 19OH V1

BENEFITS

- Helps provide zonal isolation quickly
- Supports deployment assurance in complex wellbores
- Delivers high sealing efficiency within minimal spatial constraints
- Performs reliably in open holes with washouts or ovality
- Adapts to deviated and horizontal wellbore profiles

Overview

StrataGuard™ HX openhole packers are designed to help provide reliable annular zonal isolation completions. The packer supports multiple completion options, such as inflow control devices (ICDs) and standalone screens. The design is intended to seal effectively in variable gauge holes, including oval conditions.

Advanced features include triple hydraulic pistons and a patented RS backup containment system that is designed to help resist elastomer extrusion under differential pressure. A triple center-element configuration incorporates fail-safe logic and an anti-preset mechanism to help prevent premature setting. Testing validated the design in accordance with API 19OH V1 standards.

Applications

The StrataGuard HX openhole packer is deployed as an integral component of the production casing or tubing string. It is hydraulically set via plug placement beneath the tool. When plugging the completion string is not feasible, an isolation straddle tool can be run in the packer.

The anti-preset mechanism safeguards against premature setting during deployment. An internal locking system helps promote the sealing elements remain energized against the wellbore once the packer is set at depth.



StrataGuard™ HX openhole packer

StrataGuard™ HX openhole packer specifications

CONNECTION SIZE (IN.)	WEIGHT (PPF)	OD (IN.)	ID (IN.)	OVERALL LENGTH (IN.)	OPERATING ENVELOPE		TEMPERATURE (°F)
					OH RANGE (IN.)	DIFFERENTIAL PRESSURE RATING (PSI)	
4.5	12.6	5.625	3.915	104.7	6 to 6.125	5,000	150 to 275
					7.35 x 6.125 (Oval)	1,000	
					6.126 to 7.75	1,000	

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