

ISO-Flex™

High-Expansion Retrievable Bridge Plug

ESTABLISH VO-RATED BARRIERS BELOW TUBING RESTRICTIONS

Keep zonal-barrier operations moving fast and smooth—even when faced with challenging restrictions, high pressures, and high temperatures. By combining an extremely narrow-diameter profile with powerful hold capabilities, it is now easier than ever to establish powerfully strong, temporary-or-permanent isolations below tight wellbore restrictions.

Designed for a variety of interventions, ISO-Flex is the retrievable bridge plug that effectively passes through sliding sleeves, safety valves, and other tubing-mounted devices to pack-off large extrusion gaps then seal itself against high pressure/high temperature (HPHT) environments. The plug is run with coil tubing, slickline, wireline, or conventional tubing, all within existing completion strings. ISO-Flex easily sets using the ISO-EasySet long-stroke setting tool and is retrieved with industry-standard pulling tools. Since ISO-Flex is retrievable, it is also ideal for general well and wellhead servicing, suspensions, deep or shallow-set validations, hydrocarbon releases, and all zonal barriers.

ISO-Flex features the Hydra Boost system that locks-in with additional force to provide superior sealing strength during pressure reversals and changes in temperature—conditions that often cause leaks with conventional systems. Retrieval is simplified by its internal sleeve that shifts down to equalize pressure then shears-up to release—minimizing risk of deployment before equalization.

EXCLUSIVE FLEXIBILITY AND STRENGTH

SMALL-DIAMETER ACCESS

for interventions within extreme restrictions

RELIABLE HOLD

for high-quality, VO-rated well validations

STREAMLINED SET AND RETRIEVABILITY

for enhanced flexibility and reduced OPEX



Reduced Max-Running OD

Enables passage through restrictions in the completion



Multi-Conveyance Methods

Allows deep or shallow deployment, setting, and retrieval



VO-Rated Mechanical Barrier

Provides large, direct-to-the-wellbore equalization area

SLIM ENTRY, POWERFUL HOLD, EXTRACTABLE SIMPLICITY

SMALL-DIAMETER ACCESS

for interventions within extreme restrictions

Quickly gain access behind challenging constraints with the plug featuring an ultra-thin profile that keeps operations moving fast and without time-consuming hang-ups.

- **Reduced maximum-running OD** drifts through standard tubing completion architecture and sets in next larger size tubing (i.e.: passes through 3.5-in. tubing to set in 4.5-in. tubing).
- **Optimized slip/casing contacts** minimize potential for tubing- or slips-damage. Flow areas entering and exiting the plug exceed the incoming area of plug ID for maximized efficiency.
- **Field-proven technology** provides confidence with key features based on ISO-Premium Bridge Plug with over 3,000 successful field runs.
- **Simple, robust design** is debris tolerant for long-lasting service deployments within remote, HPHT environments and is suitable for field redresses.

RELIABLE HOLD

for high-quality, V0-rated well validations

Gain confidence in challenging well environments with powerful mechanical barriers featuring a large, direct-to-the-wellbore equalization area that is ideal for sub-hydrostatic applications.

- **Certified well-barrier strength** qualified to ISO 14310 11D1 V0 to 5,000 psi (35 Mpa) up to 275°F (135°C) for reliable barrier holds.
- **Optimized ID** improves equalization through plug center and not around the slips for reduced risk of retrieval difficulty and pressure differentials.
- **Easy equalize-and-release functionality** mitigates the risk of premature plug release prior to full equalization. Shifts down to equalize and up to release functionality to mitigate the risk of premature release of the plug prior to full equalisation.
- **Retractable back-up rings** contain the element to prevent extrusion and delivers enhanced element-reliability during pressure reversals.

STREAMLINED SET AND RETRIEVABILITY

for enhanced flexibility and reduced OPEX

Run with multi-conveyance methods for simplified deployment, setting, and retrieval using industry-standard systems and techniques.

- **Simple set-and-release system** actuates with ISO EasySet long-stroke setting tool and is captured with industry-standard, JDC/GS-type pulling tools (slickline, wireline, and coil tubing).
- **Dual internal and external fishing neck** utilizes standard wireline pulling tool for single-run compatibility with industry-standard tools.
- **Elemental design** resizes within gauge OD when retrieved and integrated body-lock rings prevent slip re-engagement after release.