



Schlumberger

SIMultra

Retrievable bridge plug

Proven sealing integrity for the most challenging downhole conditions

The SIMultra* retrievable bridge plug incorporates the unique proprietary hybrid metal-elastomer seal to create a well barrier with both exceptional reliability and retrievability.

Applications

- Vertical, deviated, and horizontal wells
- Temporary suspension: short and medium term
- Abandonment with complete encapsulation of the seal system
- Straddle packer providing up to 50% larger flow path than conventional systems via the large bore of the unique proprietary hybrid metal-elastomer seal

Benefits and features

- Full certification to ISO 14310:2008 grade V0 and quality grade Q1
- Simple redressability in the field to minimize NPT
- Multiple setting options: slickline, electric line, coiled tubing, drillpipe, and tractor
- Bidirectional high-expansion and high-load slips for secure setting
- Reliable retraction through independent positive retention of slips and seal
- Elimination of plug movement during setting via fully sequenced operation
- Removal of potential leak paths with a high-integrity, one-piece mandrel
- Compatibility with junk catchers and equalizing accessories

Ultimate plug performance

Available for industry standard tubulars ranging from 4½ to 7 in, the SIMultra retrievable bridge plug is fully certified to the highest standard of ISO 14310:2008 (API Spec 11D1) grade V0. All manufacturing is to quality grade Q1.

The fully featured SIMultra retrievable bridge plug provides high-reliability performance and retrievability.

Shear release and GS fishing neck

Ratchet system for seal assembly

Hybrid metal-elastomer seal with 110% retraction capability



Rated to 350 degF, 10,000 psi, and full sour service capability, the SIMultra plug readily meets the extremes of today's energy production, including HPHT and gas wells. Bidirectional high-expansion and high-load slips ensure secure setting at any well deviation.

Reliable downhole intelligent control

By using a proprietary nonexplosive tool for setting and retrieval, the SIMultra plug can be deployed in both vertical and horizontal wells using all conventional conveyance methods. The setting tool's unique integrated contingency mechanical release ensures complete retrieval in the event of a problem downhole.

For slickline operations, the downhole intelligent decision module enhances setting assurance by using time, temperature, pressure, and tool movement measurements to identify the correct setting depth.

Streamlined retrievability

Avoiding reliance solely on elastomer elements gives SIMultra plugs not only the smallest running diameter in their class but also enables them to retract to smaller than their original diameter to ensure reliable deployment and recovery for every installation.

The metal-elastomer seal eliminates permanent elastomer setting and elastomer decompression—and their adverse effects on plug retrieval—while providing a full metal contact.





- Full VO certification
- 350-degF, 10,000-psi performance
- Full sour service capability
- 110% retraction assurance
- Unrivalled running clearance

Rugged SIMUltra plugs are available in four sizes to fit industry standard tubulars from 4½ to 7 in.

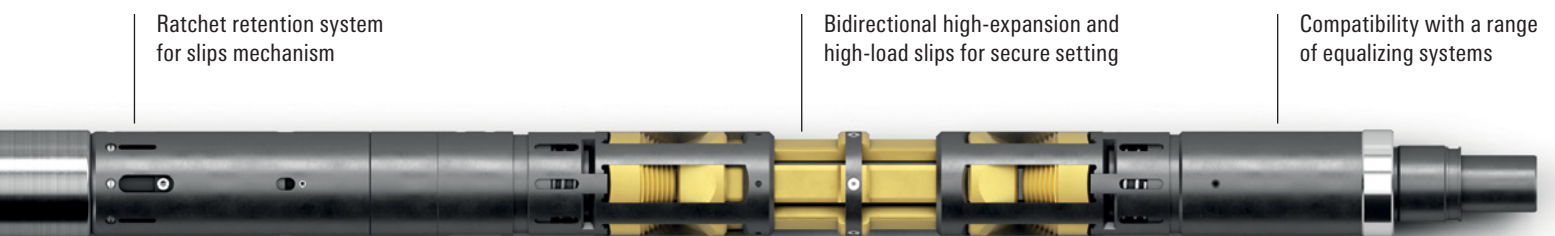
SIMUltra Retrievable Bridge Plug Mechanical Specifications

| Nominal Tubing Size, in | Weight, lbm/ft [kg/m] | Plug OD, in [mm] | Plug ID, in [mm] | Length, in [mm] | ISO 14310:2008 VO Qualification | | Setting Tool OD, in [mm] |
|-------------------------|-----------------------|------------------|---------------------------|-----------------|---|--|--------------------------|
| | | | | | Differential Pressure, [†] psi [MPa] | Max. Temperature, [‡] degF [degC] | |
| 4½ | 11.6–17 [17.26–25.3] | 3.375 [85.7] | 1.375 [34.9] | 91.5 [2,324.1] | 7,500 [51.71] | 350 [177] | 3.375 [85.7] |
| 5 | 23.2 [34.5] | 3.5 [88.9] | 1.375 [34.9] | 91.5 [2,324.1] | 7,500 [51.71] | 350 [177] | 3.375 [85.7] |
| 5½ | 17–26 [25.3–38.7] | 4.1 [104.1] | 1.375 [§] [34.9] | 98.6 [2,504.4] | 7,500 [51.71] | 350 [177] | 4.1 [104.1] |
| 7 | 26–35 [38.7–52.1] | 5.47 [138.9] | 2.657 [67.5] | 92.5 [2,349.5] | 7,500 [51.71] | 350 [177] | 4.1 [104.1] |

[†] 10,000-psi [65.9-MPa] specification available on request

[‡] 400-degF [204-degC] specification available on request

[§] Larger ID available on request



Ratchet retention system for slips mechanism

Bidirectional high-expansion and high-load slips for secure setting

Compatibility with a range of equalizing systems

SIMultra retrievable bridge plug



Scan QR code for more information on our slickline mechanical intervention solutions.

slb.com/SIMultra