



**Schlumberger**

**SIMplus**

Retrievable bridge plug

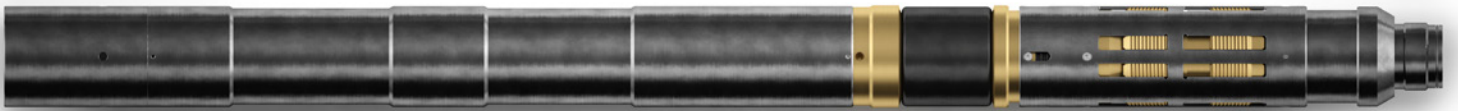
# High-Performance Well Integrity That Delivers Results

The SIMplus\* retrievable bridge plug from Peak Well Systems provides oil and gas companies with high-performance ISO 14310:2008 certification with V3-rated sealing integrity for well barrier and flow control applications anywhere in the production tubing.

The expandable barrier installed by the SIMplus plug is a reliable seal in challenging fluid- and temperature-cycling environments.

Building on Peak's established track record in the development and provision of advanced flow control technologies, the SIMplus plug enables higher-specification well integrity compliance for well barrier applications, including

- zonal isolation
- wellhead isolation
- contingent plugging
- leak detection
- straddles
- chokes.



Sample ISO test pressure and temperature profile.

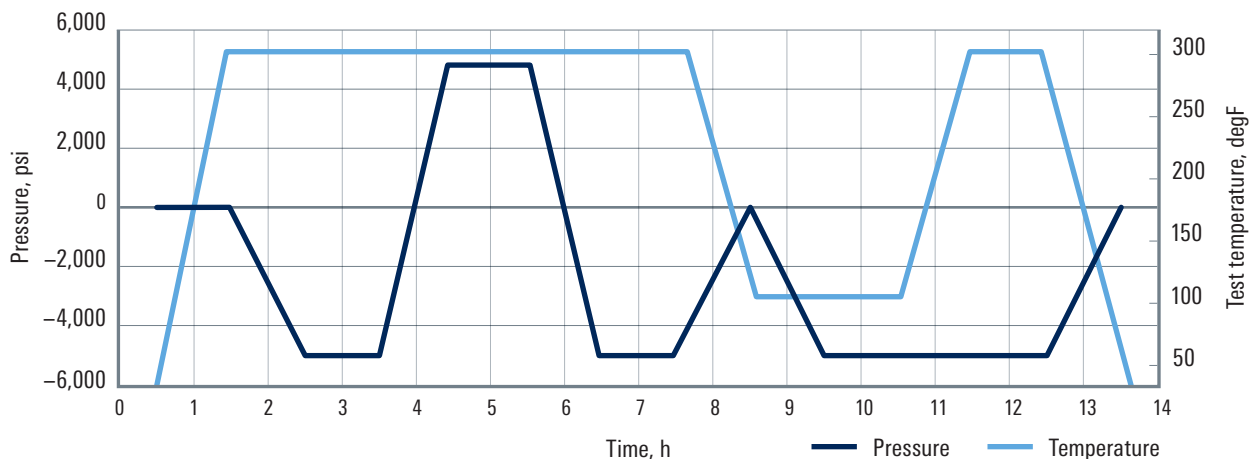
## Quality Assurance Backed by International Standards

SIMplus retrievable bridge plugs are independently verified and certified by Det Norske Veritas (DNV GL) to the ISO 14310:2008 grade V3 across a full operating range of pressure (5,000 to 7,500 psi) and temperature up to 300 degF [149 degC], providing operators with total assurance and clarity to plan downhole operations.

Quality control to ISO standards for storage, maintenance, and documentation to track performance is integral to the development and deployment of SIMplus plugs.

This includes

- supply of materials and traceability records (material test reports)
- heat treatment chain of custody and sample dimensional inspection of components
- shear pin and screw material batch testing
- quality assurance and quality control document retention.



Sample ISO test pressure and temperature profile.

# Simplicity, Reliability, and Unrivaled Operational Flexibility

With its advanced setting mechanism, the SIMplus plug answers the industry's need for a mechanically set V3-rated plug to provide a simple, easy, and reliable setting solution in challenging applications.

The large ID of the SIMplus plug is ideal for modular straddle applications and leak detection. Where flow is restricted, the SIMplus plug provides ultimate flexibility for plugging and diverting flow using unidirectional and bidirectional flow control devices.

All SIMplus plugs and the systems they are deployed with are modular and interchangeable, designed to be set anywhere in the tubing string without the need for a nipple profile.

SIMplus plugs are available in all standard industry sizes from 2 $\frac{7}{8}$  to 7 in and can be deployed by any conventional conveyance methods.

All SIMplus plug and deployment system products can be redressed easily in the field by Peak and Schlumberger personnel—reducing the nonproductive time inherent in deploying other systems that must be returned onshore after each run.



## SIMplus Retrievable Bridge Plug Technical Information

Nominal Tubing Size, in	Weight, lbm/ft [kg/m]	Plug OD, in [mm]	Plug ID, in [mm]	Length, in [mm]	ISO 14310:2008 V3 Qualification		
					Differential Pressure, psi [MPa]	Temperature Range, <sup>†</sup> degF [degC]	Max. Setting ID, in [mm]
2 $\frac{7}{8}$	6.4 [9.5]	2.22 [56.4]	0.781 [19.8]	54 [1,372]	7,500 [51.7]	104–300 [40–149]	2.493 [63.3]
3 $\frac{1}{2}$	9.2–10.2 [13.7–15.2]	2.72 [69.1]	1.259 [32]	61 [1,549]	5,000 [34.5]	104–300 [40–149]	3.046 [77.4]
4 $\frac{1}{2}$	11.6–15.1 [17.3–22.5]	3.65 [92.7]	2.000 [50.8]	59 [1,499]	5,000 [34.5]	104–300 [40–149]	4.030 [102.4]
5 $\frac{1}{2}$	15.5 [23]	4.53 [115.1]	2.362 [60]	61 [1,549]	5,000 [34.5]	104–300 [40–149]	5.030 [127.8]
	17–20 [25.3–29.8]	4.53 [115.1]	2.362 [60]	61 [1,549]	5,000 [34.5]	104–300 [40–149]	4.975 [126.4]
	23 [34.2]	4.45 [113.0]	2.362 [60]	61 [1,549]	5,000 [34.5]	104–300 [40–149]	4.765 [121.0]
7	29–32 [43.2–47.6]	5.72 [145.3]	2.362 [60] <sup>‡</sup>	63 [1,600]	5,000 [34.5]	104–300 [40–149]	6.293 [159.8]
	23–26 [34.2–38.7]	5.84 [148.3]	2.362 [60] <sup>‡</sup>	63 [1,600]	5,000 [34.5]	104–300 [40–149]	6.465 [164.2]

<sup>†</sup> Contact a Schlumberger representative for operations outside this temperature range.

<sup>‡</sup> 3.15-in [80.01-mm] ID available on request.

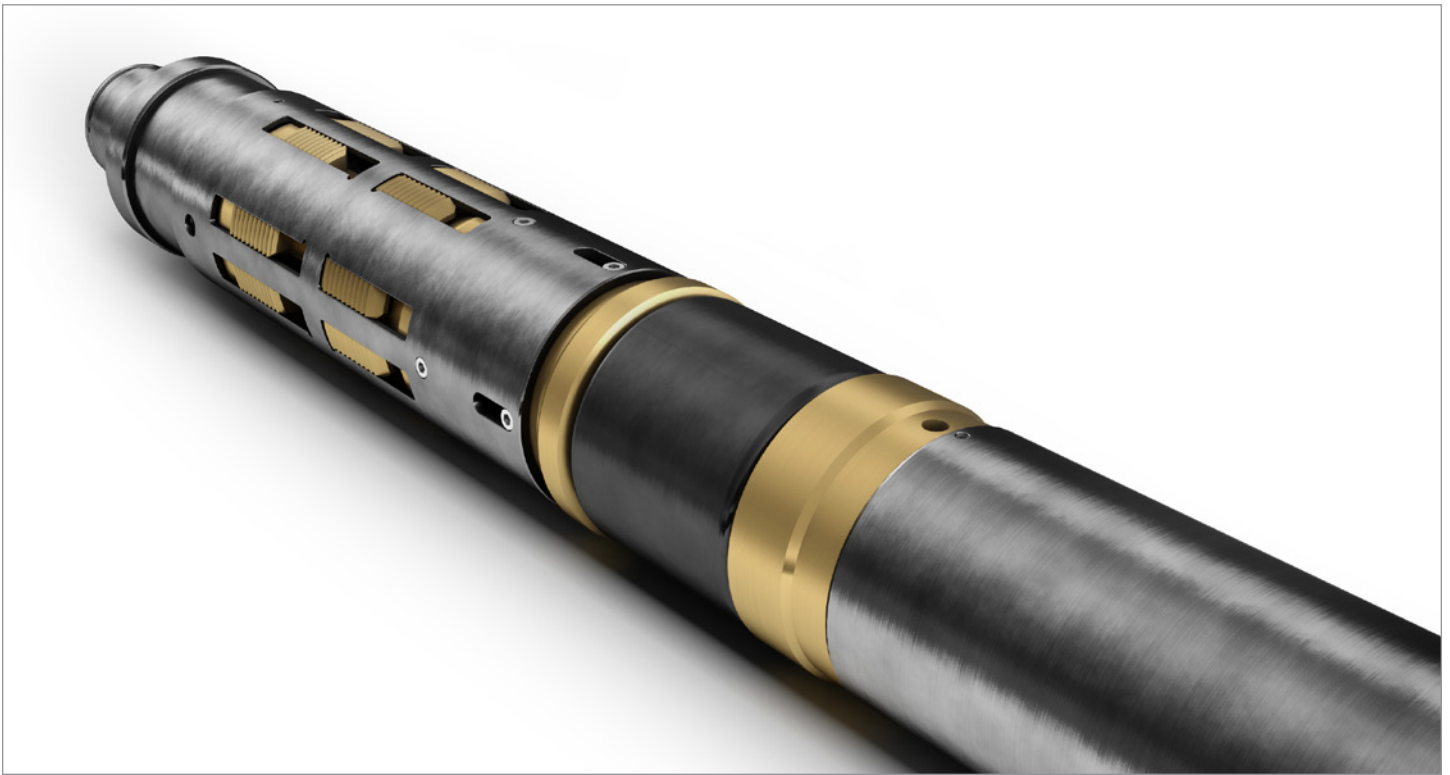
## Summary highlights

- ISO 14310:2008 grade V3 accreditation
- Simple to redress in the field, minimizing NPT
- Multiple setting options: mechanically on slickline, e-line, coiled tubing, drillpipe, or tractor
- Debris-tolerant design to limit ingress
- Multiple equalizing assembly options: melon, prong, or pump open
- Ultimate flexibility to plug and divert flow using unidirectional and bidirectional flow control devices
- Operational assurance of HPHT sealing element
- Sour service components available to NACE MR0175 specifications



*SIMplus plug offers a reliable, high-performance seal barrier in dynamic downhole pressure and temperature environments.*

# SIMplus retrievable bridge plug



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

[slb.com/SIMplus](https://slb.com/SIMplus)