



Sealing Integrity Management

# SIMplus

Sealing Integrity Assured



Simple Safe Assured

# High Performance Well Integrity

## Specifications that deliver results

The SIMplus\* retrievable bridge plug from Peak Well Systems provides oil and gas companies with high-performance ISO 14310 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.



## Quality Assurance

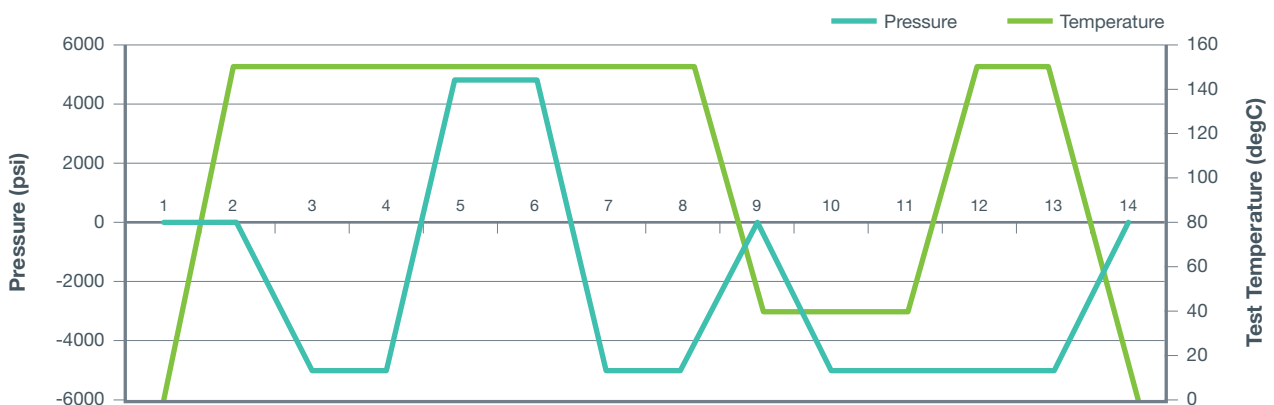
### To recognized international standards

SIMplus retrievable bridge plugs are independently verified and certified by Det Norske Veritas (DNV GL) to the ISO 14310:2008 Grade V3 across the full operating range of pressure and temperature (5,000 psi or 7,500 psi and 150 degC [300 degF]) to provide operators with total assurance and clarity for planning 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 the following:

- 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
- Retention of QA and QC documentation.



Sample ISO test pressure and temperature profile

# Simplicity and Reliability

## 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 internal diameter (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 uni- 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 all conventional conveyance methods.

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



TECHNICAL INFORMATION							
Nominal Tubing Size, in	Weight Range, lbm/ft	OD, in	ID, in	Length, in	ISO 14310:2008 V3 Qualification		
					Pressure Differential, psi	Max. Temp, degF	Max. Setting ID, in
2 $\frac{7}{8}$	6.4	2.220	0.781	54	7,500	300	2.493
3 $\frac{1}{2}$	9.2 - 10.2	2.720	1.259	61	5,000	300	3.046
4 $\frac{1}{2}$	11.6 - 15.1	3.650	2.000	59	5,000	300	4.030
5 $\frac{1}{2}$	15.5	4.530	2.362	61	5,000	300	5.030
5 $\frac{1}{2}$	17 - 20	4.530	2.362	61	5,000	300	4.975
5 $\frac{1}{2}$	23	4.450	2.362	61	5,000	300	4.765
7	29 - 32	5.720	2.362 <sup>†</sup>	63	5,000	300	6.293
7	23 - 26	5.840	2.362 <sup>†</sup>	63	5,000	300	6.465

<sup>†</sup> 3.150-in ID available on request



- 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 uni- and bidirectional flow control devices
- Operational assurance of HPHT sealing element
- Sour service components available to NACE MR0175 specifications

## About Peak Well Systems

Peak Well Systems, a Schlumberger company, is a leading specialist in the design and manufacture of advanced downhole tools for well intervention. We provide both operators and service companies around the world with an extensive range of innovative downhole products, expert field deployment and aftermarket support. Our aim is to reduce well operating costs and improve well performance for our customers.

Our product portfolio comprises of flow control systems, which are fast becoming the products of choice around the world, and premium well intervention tools for remedial well maintenance.

All Peak products are designed to be **Simple, Safe and Assured.**



Please scan QR  
code to view our  
Peak Technology  
TV Channel



[www.peakwellsystems.com](http://www.peakwellsystems.com)



Perth, Australia

\*Mark of Schlumberger

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