

SIMstandard retrievable bridge plug

Reliable, nippleless flow control for reduced operating costs, improved safety, and better well performance



Nominal tubing size:

2³/₈ in to 6⁵/₈ in



Certification:

Sour service components to NACE MR0175 specifications



Temperature range:

104 to 350 degF [40 to 177 degC]



Differential pressure:

up to 7,500 psi [51.7 MPa]

Applications

- Monobore-type completions or completions where existing production nipples are damaged or unsuitable
- Retrievable bridge plug
- Straddle and lift straddle
- Lift (top latch interchangeable choke)
- Hanger as a gauge carrier for downhole tools

How it improves operations

The SIMstandard* retrievable bridge plug features multiple mechanical setting options, interchangeable components for inventory reduction, and a compact design that enables easy redress in the field. Its maximized throughbore reduces downhole choke effect, and flexible plugging and diverting allows uni- and bidirectional flow. Together, these benefits deliver reliability, enhanced safety, and a cost-effective approach to managing multiple and complex producing zones.

How it works

The SIMstandard retrievable bridge plug can be set mechanically at any chosen depth inside monobore-type completions or completions where existing production nipples are damaged or unsuitable.

The plug is conveyed using a conventional slickline toolstring. Once the setting depth is reached, the plug is selectively set by indexing and anchoring the running tool. Downward



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jarring activates the bidirectional plug slips and an expandable seal-type barrier. Upward jarring releases the running tool from the plug body.

For applications where setting depth is critical, the plug can be deployed and set on e-line using standard pyrotechnic or nonexplosive setting tools. The SIMstandard plug is recovered using a conventional GS pulling tool fitted with a Peak Multi-Action Top Sub and pulling prong.

Key Features

- Multiple options for mechanical setting using slickline, coiled tubing, or e-line

- Various equalizing assembly options to suit well and operational conditions, including melon-, prong-, or pump open-type systems
- Debris catcher sub option for deployment with expected solids
- HPHT sealing element

Additional information

The SIMstandard retrievable bridge plug is part of the SIM sealing integrity management system by Peak Well Systems, a Schlumberger company. The SIM system family comprises a flow control portfolio offering a range of devices for mechanical plug setting in nippleless completions across a wide range of industry-standard tubing sizes.

Mechanical Specifications						
Nominal tubing size, in	Weight, lbm/ft	Plug OD, in	Plug ID, in	Length, [†] in	Pressure differential, psi	Temperature range, [‡] degF
2 ³ / ₈	4.6	1.81	0.314	54	7,500	104–350
2 ⁷ / ₈	6.4	2.2	0.781	54	7,500	104–250
	6.4	2.2	0.781	54	5,000	104–350
3 ¹ / ₂	12.7	2.52	0.781	54	5,000	104–250
	9.2–10.2	2.72	1.259	61	5,000	104–350
	9.2–10.2	2.78	1.259	61	7,500	104–350
4 ¹ / ₂	11.6–13.5	3.6	2	59	3,000	104–350
	11.6–15.1	3.65	2	59	5,000 [§]	104–350
5	15–18	4.05	1.969	57	5,000 [§]	104–350
5 ¹ / ₂	17–20	4.53	2.362	61	5,000 [§]	104–350
	23–26	4.45	2.3	61	5,000 [§]	104–350
6 ⁵ / ₈	24	5.65	3.15	63	5,000	104–302

[†] Length inclusive of plug and prong-type equalizing assembly. Length may vary depending on deployment option.

[‡] Contact a Peak Well Systems representative for operations outside this temperature range.

[§] Higher pressure rating available on request.

All specifications are subject to change without notice.