

SIMstandard retrievable bridge plug

The SIMstandard* retrievable bridge plug is an expandable seal-type barrier that can be set mechanically at any chosen depth inside monobore type completions or completions where existing production nipples are damaged.

The SIMstandard plug is conveyed using a conventional slickline toolstring. Once the setting depth is reached, the SIMstandard plug is selectively set by indexing and anchoring the running tool. Downward jarring activates the bidirectional SIMstandard plug slips and expands the sealing element. Upward jarring releases the running tool from the SIMstandard plug body.

For applications where setting depth is critical, the SIMstandard plug can be deployed and set on e-line using standard pyrotechnic setting tools.

The SIMstandard plug is recovered using a conventional GS pulling tool fitted with a Peak Multi-Action Top Sub (MATS) and pulling prong.

APPLICATIONS

- Retrievable bridge plug
- Straddle and lift straddle
- Lift (top latch interchangeable choke)
- Hanger as a gauge carrier for downhole tools

FEATURES AND BENEFITS

- Multiple setting options: mechanically on slickline, coiled tubing or e-line
- Simplistic design: simple to redress in the field
- Multiple equalizing assembly options: melon-, prong-, or pump open-type
- Uni- and bidirectional flow: ultimate flexibility to plug and divert flow
- Debris catcher sub option for sealing plug version
- High temperature/high pressure sealing element
- Sour service components to NACE MR0175 specifications
- Maximized throughbore to reduce down hole "choke" effect
- Interchangeable components for inventory reduction

TECHNICAL INFORMATION

Nominal Tubing Size, in	Weight, lbm/ft	Plug OD, in	Plug ID, in	Length, [†] in	Pressure Differential, psi	Temperature Range, ^{††} degF
2%	4.6	1.81	0.314	54	7,500	104-350
2%	6.4	2.2	0.781	54	7,500	104-250
	6.4	2.2	0.781	54	5,000	104-350
3½	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
4½	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
5½	17 - 20	4.53	2.362	61	5,000 [‡]	104-350
	23 - 26	4.45	2.3	61	5,000 [‡]	104-350
6%	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.

*Mark of Schlumberger

Product Code: SIMstandard / 351

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SIMstandard retrievable bridge plug
UK Patent : GB2432607 & GB2424237
US Patent : US7,654,334B2
Australia Patent : 2004287895
Patent Pending - Malaysia and Thailand

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