



## SIM Permanent Plug

**The SIM Permanent Plug is a premium, cast iron bridge plug set 100% mechanically using the unique SIM Running Tool.**

Using only a conventional slickline toolstring and without the need for explosives or hydraulic setting systems, the SIM Permanent Plug can be used in various applications such as zonal isolation in wells with multiple perforated zones; set as a barrier for plug and abandonment work; or used for zonal isolation during high pressure fracture stimulation; acidizing or cementing operations. The running OD is designed to pass most common completion nipple profiles and expand and set in its nominated tubing size and weight.

The SIM Permanent Plug is run and set using the same fully patented SIM System Running Tool that is also used to deploy the SIM Retrievable Bridge Plug, Large Bore Gauge Hanger and Leak Detection Tool. Once the SIM Running Tool is landed off on depth, downward jarring is then required to set the SIM Permanent Plug. A check-pull is then applied to ensure the SIM Permanent Plug is fully set and securely anchored within the tubing. Subsequent upward jarring releases the SIM Running Tool from the Permanent Plug and the Running Tool can be removed from the well.

### Applications

- Permanent zonal isolation
- Plug and abandonment applications
- Zonal isolation for fracture stimulation, acidizing or cementing operations

### Features & Benefits

- Can be set 100% mechanically anywhere in the tubing with the fully patented SIM Running Tool (UK Patent No: GB2432607 & GB2424237)
- Safe: no pyrotechnics or special setting tools are required
- Cast iron construction - readily millable
- SIM Running Tool allows a check-pull to be taken against the set plug prior to shearing-off
- Cost effective: rapid deployment with slickline spread requirement only - no need for electric line package
- Compact design makes utilisation ideal in height restricted rig-ups

### Technical Information

Nominal Tubing Size*	Tubing Weight	Actual O.D	Pressure Rating (psi)	Temperature Rating
2-7/8"	6.4lbs/ft	2.200"	10,000psi	302°F
3-1/2"	9.2-10.2lbs/ft	2.720"	10,000psi	302°F
4-1/2"	11.6-15.1lbs/ft	3.600"	10,000psi	302°F
5-1/2"	17-26lbs/ft	4.450"	10,000psi	302°F
7"	23-32lbs/ft	5.650"	5,000psi	302°F

\*Additional sizes and higher ratings available on request

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[info@peakwellsystems.com](mailto:info@peakwellsystems.com)  
[www.peakwellsystems.com](http://www.peakwellsystems.com)