

SureTap® Plug Double Block & Bleed Completion Plug



SureTap® Plug maintains double block and bleed isolation throughout the entire hot tapping process, providing verified pressure barrier integrity when removing temporary valves and installing blinds.

Traditionally, after hot tapping and line stopping operations have been completed using tested dual-seal isolation systems, operators must rely on completion plugs incorporating a single O-ring seal. This compromises the DBB integrity established during the operation and introduces operational risk.

SureTap Plug fundamentally changes this approach by delivering true DBB capability when deploying completion plugs in hot tap fittings.



Two independent compression seals, separated by a testable annulus, enable operators to verify both seal integrity and correct plug positioning before the deployment system is disconnected and vented. This allows the pressure barrier to be fully tested before any ejection load is applied to the plug.

The hydraulically actuated design incorporates multiple fail-safe features, including lock segments that engage with a machined groove in the completion flange and a compression prevention plate that prevents seal activation until the plug is correctly positioned and locked.

By maintaining the same level of isolation integrity established during hot tapping and line stopping operations, SureTap Plug provides a verified, tested pressure barrier without requiring specialist licensing or proprietary deployment procedures. The integrated design eliminates external actuators and penetrations on the completion flange, reducing potential leak paths compared to conventional designs that require external lock dogs or setting mechanisms. It represents a significant advancement in completion plug safety, bringing final-stage operations in line with modern DBB standards.

SureTap Plug Specification

Size Range:	6" – 56" (covers majority of hot tapping applications)
Pressure Ratings:	300#, 600#, 900# as standard 1500# available on request
Deployment Options:	Standard SureTap hot tap machines Dedicated hydraulic launcher system (available for rent or purchase)
Seal Configuration:	Dual independently testable compression seals with intermediate annulus
Product Compatibility:	Hydrocarbons, hydrogen, high-pressure liquid CO2
Design Life:	25-year minimum (suitable for permanent abandonment)
Locking Mechanism:	Internal radial lock segments engaging with standard industry completion flange groove (no external penetrations)
Standards Compliance:	IMCA subsea diver safety requirements for double block and bleed isolation
Applications:	Onshore/topsides and subsea environments