

# Autofill Sub

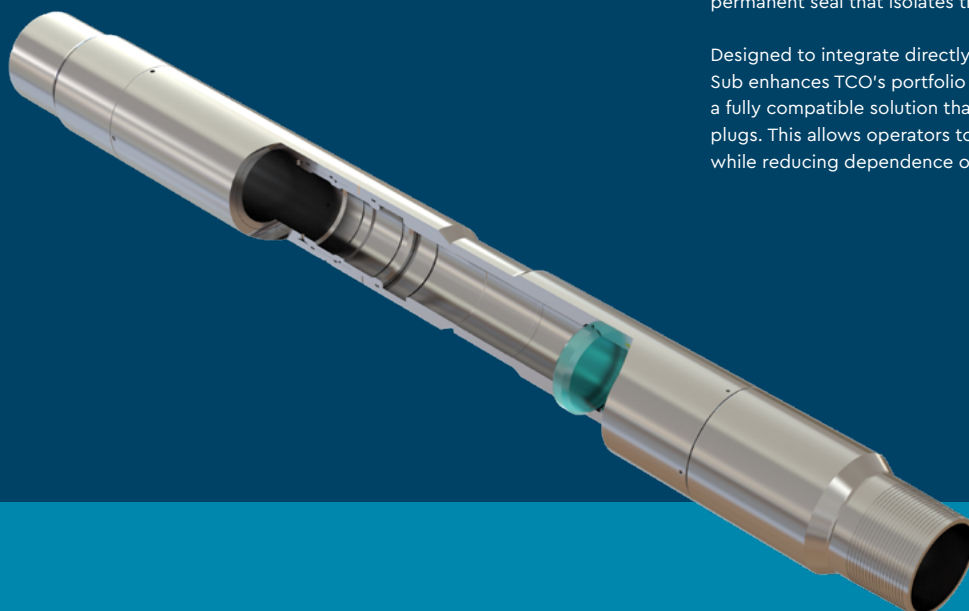


## Product Description

The TCO Autofill Sub is a downhole completion tool designed to allow the tubing to self-fill with well fluid during run-in-hole (RIH), thereby simplifying operations and eliminating the need for external fluid-filling systems. Installed above a glass plug such as the TDP-PO, the Autofill Sub provides a temporary open flow path between the annulus and the inside of the tubing string. This allows the completion string to fill naturally with well fluid as it is lowered into position.

When the completion reaches depth, hydrostatic and surface pressure activation closes the flow path – creating a reliable verified open (VO) barrier that maintains well integrity and allows activation of the glass plug below under pressure. The Autofill Sub is designed to operate in high-temperature and pressure environments (up to 5,000 psi) and can be built from material configurations suited for the well conditions to provide durability, corrosion resistance, and performance consistency. Once the sleeve has closed, it provides a permanent seal that isolates the tubing from the annulus pressure.

Designed to integrate directly into the completion string, the Autofill Sub enhances TCO's portfolio of completion technologies, providing a fully compatible solution that complements our laminated glass plugs. This allows operators to execute safer, faster completions while reducing dependence on third-party autofill systems.



# Autofill Sub

## Benefits

- Enables tubing self-filling
- Forms a permanent barrier once closed
- Fully compatible with TCO's glass plug systems
- Reduces rig time and operational complexity

## Features

- Six inlet nozzles for annulus-to-tubing self-filling during RIH
- Pressure-activated sliding sleeve closure
- Dual elastomer sealing elements for high-integrity isolation
- Shear pins to control sleeve actuation
- Snap ring for permanent sleeve locking in closed position
- Closure option available via B Shifting tool (a standard industry tool used to shift sleeves or open/close downhole devices)

## Applications

- Tubing self-filling during run-in-hole operations
- Completion strings using laminated glass plug systems
- Subsea and deepwater completions where rig time and efficiency are critical
- High-pressure, high-temperature (HPHT) well environments
- Wells requiring barrier formation without intervention post-installation
- Integration into full-bore tubing strings with premiumthread connections

OD	ID	Diff. Pressure	Temperature	Abs. Pressure (open)	Abs. Pressure (closed)	ISO Cert.	Rating
5,44"	3,88"	5000 psi / 345 bar	Up to 150°C/302°F	8500 psi / 586 bar	8500 psi / 586 bar	ISO 14998	VO

