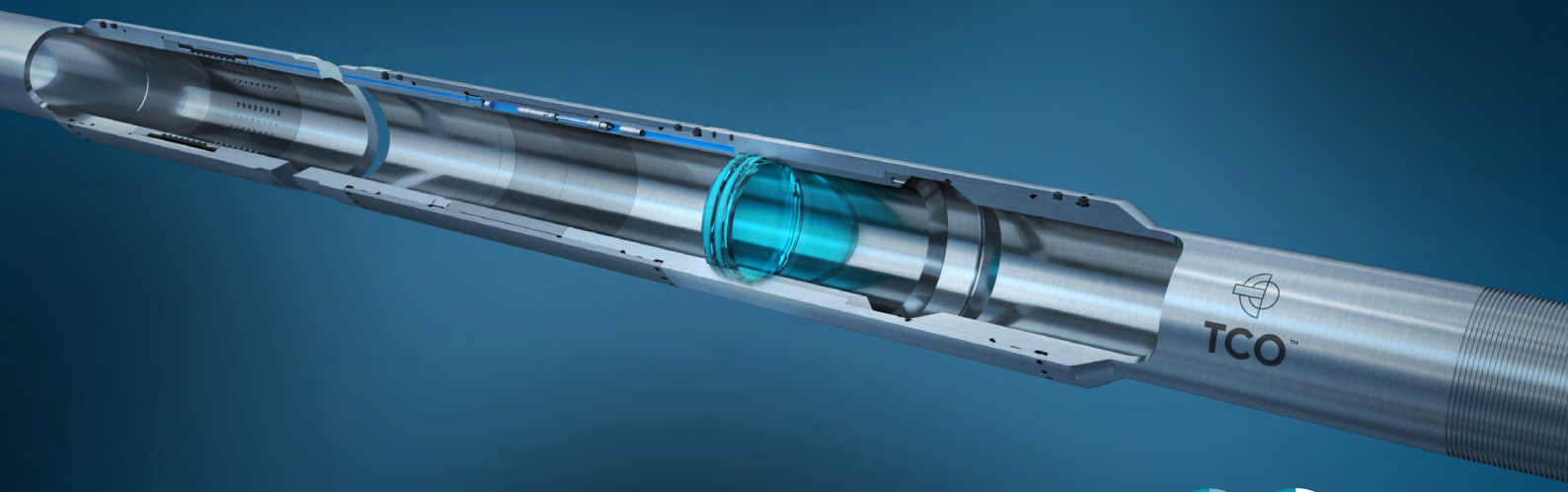
TCO™ Redefining Well Solutions

TDP Non Explosive



THE OG ORIGINAL GLASS PLUG

TDP Non-Ex

Product Description

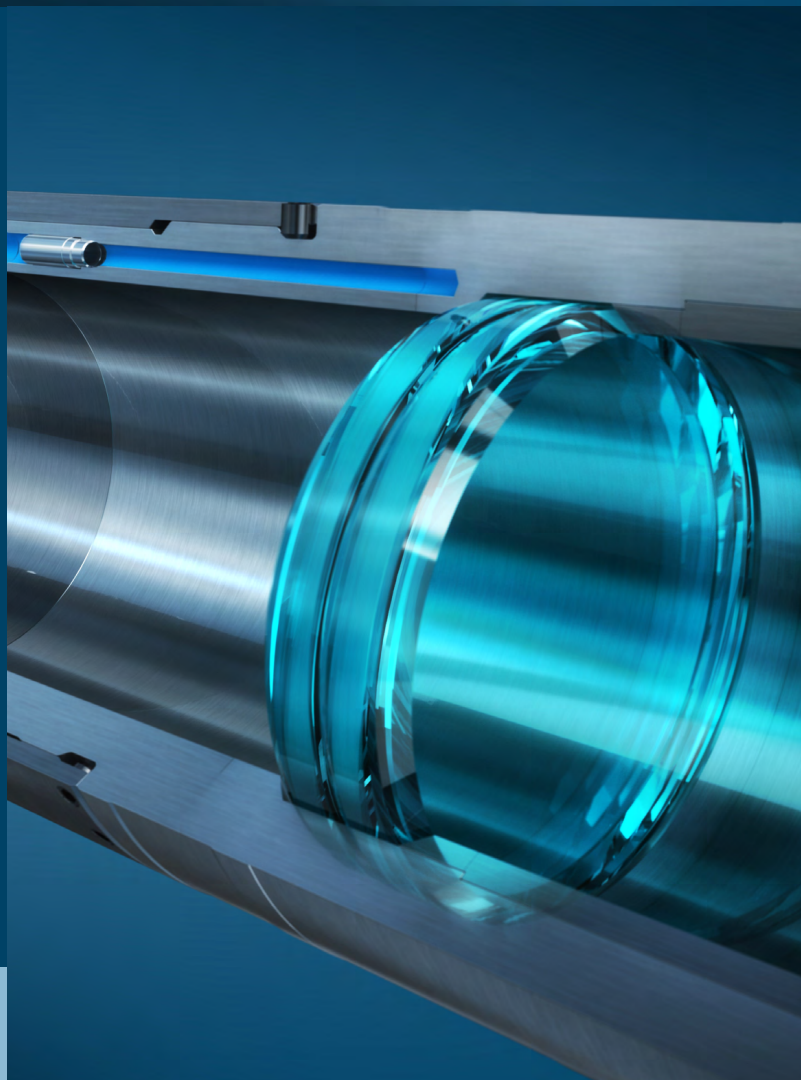
TCO's Tubing Disappearing Glass Plug (TDP) NonEx enables the operator to increase the efficiency of the installation process and provide a large bore access upon removal.

The TDP NonEx is designed to be installed and runs as an integrated part of the completion string or liner. The TDP NonEx uses rubber diaphragms to separate wellbore fluids from the clean fluid, as well as keeping the cycling mechanism debris free.

TCO's TDP NonEx is further developed to improve installation and remote pressure cycling capabilities. The product incorporates TCO's patented laminated glass material, built into the ISO 14998:2013 V0 certified barrier plug package.

This provides a total seal against all fluids under extreme conditions including situations with high differential pressure across the barrier. In addition to TCO's built-in remote opening mechanism, a variety of removal options are available as a contingency. Full ID is always guaranteed after opening.

The balanced counter adds a new feature to the product and separates it from our existing trigger system by pressure cycles within a pressure window of 200bar (2900psi) regardless of TVD or Sg. This enables TCO to deliver a standardized product suitable to any well. The TDP NonEx is supplied with a 2,0-metre debris extension as standard, for use in wells with expected debris issues.



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Features & Benefits

- Large bore access
- Safer operations
- No external personnel required
- ISO 14998:2013 certified, Annex A.8 V0 with axial loads
- Debris tolerant
- Balanced cycling mechanism
- No explosives
- Lower costs
- Intervention-free installation
- Remotely removal of barrier
- Reduced rig time
- Easy removal compared to deep-set/horizontal wireline plugs
- Laminated glass
- Debris extension
- Integrated Installation

Applications

- Completion Barrier Glass Plug
- Isolated lower completion while installing upper completion
- Reduce/ eliminate need for intervention operations
- Packer setting device
- Completion Testing and Packer Setting
- Intervention Free Completions
- Remotely Actuated Barrier Device

OD	ID	Diff. Pressure	Temp	Abs. Pressure	ISO Cert.	Rating
4,37	2,40	690bar/10 000psi	150degC/302degF	1034bar/15 000psi	ISO 14998	V0 Annex A.8
4,52	2,60	517bar/7 500psi	155degC/311degF	1034bar/15 000psi	ISO 14998	V0 Annex A.8
4,72	2,75	690bar/10 000psi	155degC/311degF	1034bar/15 000psi	ISO 14998	V0 Annex A.8
4,85	2,90	690bar/10 000psi	150degC/302degF	1034bar/15 000psi	ISO 14998	V0 Annex A.8
5,87	4,00	517bar/7 500psi	150degC/302degF	1034bar/15 000psi	ISO 14998	V0 Annex A.8
8,15	5,80	448bar/6 500psi	135degC/275degF	1034bar/15 000psi	ISO 14998	V0 Annex A.8
8,33	5,80	448bar/6 500psi	135degC/275degF	1034bar/15 000psi	ISO 14998	V0 Annex A.8
8,33	6,09	345bar/5 000psi	135degC/275degF	345bar/5 000psi	ISO 14998	V0 Annex A.8