

INFLATABLE THRU TUBING PACKER (TWITTP)

PRODUCT 401

The **TechWest Inflatable Thru Tubing Packer (TWITTP)** is a reliable, high-expansion tool developed for several well intervention operations where a tool is required to pass through a small restriction and inflated in a larger openhole or casing. The tool can be run in various wellbore environment including cased hole, slotted pipe, perforations as well as openhole and screens.

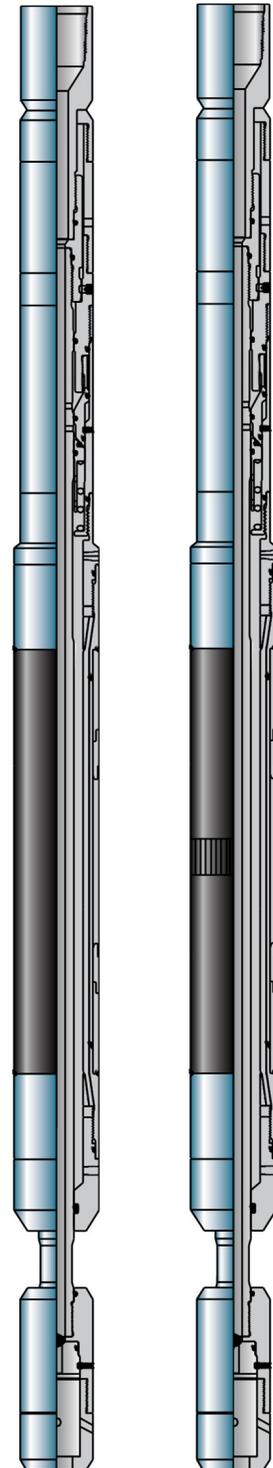
These tools are hydraulically set via coiled tubing or jointed tubing and they have running and retrieving tools that are robust and suitable for several well applications. TechWest has proprietary software developed for planning, engineering and deployment of our Thru Tubing packers.

FEATURES

- One-trip system reduces damage to productive zones and reduces intervention costs
- No well kill required
- Packer expands up to three times their run-in diameter
- Can be run in a Straddle Packer configuration
- Packer returns to its original run-in diameter after deflation
- Straight forward and easy redress for additional runs on location
- Suitable for sour service
- Suitable for open and cased holes

SPECIFICATIONS

401 SPECIFICATION GUIDE			
Product Number	Tool OD	Tool ID	Thread Connections
	in	in	
401-0169-0501	1-11/16	1/4	1.050 EUE Box UP
401-0213-0501	2-1/8	1/2	1.660 EUE Box UP
401-0250-0501	2-1/2	1/2	1.900 EUE Box UP
401-0256-0501	2-9/16	1/2	1.900 EUE Box UP
401-0312-0501	3-1/8	3/4	2.375 EUE Box UP
401-0338-0501	3-3/8	3/4	2.375 EUE Box UP
401-0362-0501	3-5/8	3/4	2.375 EUE Box UP



APPLICATIONS

BRIDGE PLUG

The Inflatable Thru-Tubing Packer is run in several applications where there is a need to plug off any part of a wellbore. Typically, this involves running the packer to depth via coiled tubing and set by means of applied tubing pressure. The tool is disconnected via a hydraulic release setting tool after setting. Depending on the application, the tool maybe retrieved after the completion of the operation or left in the hole as a permanent bridge plug.

CEMENT RETAINER

Run as a Cement Retainer, the TechWest Inflatable Thru Tubing Packer is the ideal tool where P&A operations are not enough and behind-pipe cementing operations are preferable. This tool makes it possible to run a single trip via coiled tubing and set the retainer, do an injection test, spot cement to the tool, perform a cement squeeze, disconnect from the retainer and dump cement on top of the retainer to enhance the cement squeeze job.

ZONAL ISOLATION

The Thru Tubing Packer is used in applications where a zone in a well is needed to be isolated. Zonal Isolation is performed on either a lower zone or intermediate zone. For lower zone applications, the packer is used to protect the upper zones from the cement or chemical shut-off treatment performed through coiled tubing. For intermediate zone isolation, the packer is run in conjunction with a Thru Tubing Bridge Plug. The Bridge Plug is set below the zone of interest and the packer positioned above the zone of interest and then treatment operations can be performed selectively to the required isolation zone.

SELECTIVE TESTING AND TREATMENT

The Thru Tubing can be run as a multiple set packer in a straddle packer arrangement to perform various selective fluid placement. This setup is particularly suited for water shut-off, chemical treatments, screen washing, leak and injection testing.