

# FlexLOK™ Tool Anchor

Tool Conveyance for Completions without Landing Nipple Profiles



## Applications:

- Completions without available Lock Profiles
- Production or Injection Operations
- Working Pressure up to 5,000 psi [345 bar]
- Temperatures up to 250°F [121°C]

## Benefits:

- Set in completion tubing without the need for a lock profile
- Allows for 'retrofit' and installation of safety valves (i.e. InjectGARD™)
- Easy conventional setting and pulling operations
- Least expensive and most flexible option for adding injection well protection in existing wells without lock profiles

## Features:

- Validated to API-14L -V1
- Pressure-energized FlexLOK™ "Cone-less" slip system
- Large internal flow diameter
- Conventional setting tool deployment (Baker E-4, or equivalent)
- Conventional pulling tool recovery (GS-type, or equivalent)
- Simple, robust design minimizing internal components and potential leak paths

## Description

The Tejas FlexLOK™ is a wireline deployed lock system designed to set directly in the completion tubing without the need for a landing nipple/profile key system. The FlexLOK™ provides the operator greater flexibility to deploy wireline tools when the well does not have landing nipple(s) or the landing nipple seal bore(s) are damaged and non-functional.

The FlexLOK™ utilizes a simple retrievable packer-style element with a proven retractable "cone-less" slip system design found in some retrievable packers. These features allow the FlexLOK™ to be set anywhere within the smooth bore of a completion tubing joint. The FlexLOK™ is designed to minimize tubing contact stresses by distributing setting forces over a greater contact area with the unique slip system. The upper fishing profile is easier to address than internal profiles found in other manufacturer's designs and the internal locking mechanism is isolated from both debris and flow.

The FlexLOK™ (or nippleless lock) can be run and set using either a Baker E-4 #10 style setting tool, or it can alternately be set with a Hydraulic Setting Tool (HST) to apply setting force into the FlexLOK™ seal and slip system. The FlexLOK™ is easily adaptable to the appropriate setting tool utilizing an available wireline adapter kit which is configured to the FlexLOK™ based on the required setting force needed to set the seal element and set the slip systems into the casing. The FlexLOK™ can also be recovered with standard wireline internal fishing tools (GS Pulling Tools) for re-dress and re-run, if required.

Ultimately, the FlexLOK™ increases your options for retrofitting, or enhancing your completion design. Please contact the Engineering Department at Tejas Research & Engineering with any questions, or special material requirements for your application.

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Tubing Size in [mm]	Weight lb/ft [kg/m]	Min ID in [mm]	Pressure Rating psi [bar]
2.875 [73.02]	6.4-6.5 [9.52-9.67]	1.250 [59.26]	5,000 [345]
3.500 [88.90]	9.2-9.3 [13.69-13.84]	1.625 [41.27]	
4.500 [114.30]	12.6-15.2 [18.75-22.62]	2.500 [63.50]	
5.500 [139.70]	17.0 – 23.0 [25.30-34.23]	3.000 [76.20]	

† The engineering data provided illustrate the scope of this product offering and are not all inclusive. Additional sizes and functionality are available upon request.



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