



Downhole Tubing Anchor Solutions

TechTAC® offers a suite of tubing anchor catchers (TACs) designed to accommodate a wide range of downhole conditions.

Slimline® Full Bore TAC

Slimline® Full Bore TAC Features & Benefits

- ◆ Reduced overall diameter from a 5.5" standard B2 TAC
- ◆ An ID of 2.4", allowing rod pumps designed for 2-7/8" tubing to run through the anchor
- ◆ Sets in 3-to-5 turns using the same setting/releasing procedure as the original Slimline TAC
- ◆ Increased flow through the annulus
- ◆ Reduced area for debris collection
- ◆ Sourced/manufactured in the U.S.

The patented design of the Slimline has been shown to:

- ◆ **Reduce gas locking** incidents by directing gas around the anchor
- ◆ **Limit stuck anchors** by preventing the accumulation of sediment
- ◆ Dramatically **reduce cutover time**
- ◆ **Increase pump performance** and longevity
- ◆ **Minimize scale buildup** by reducing turbulent flow

Slimline® Full Bore TAC Applications



The Slimline Full Bore TAC gives engineers and operators more flexibility in where an anchor can be placed within a well when utilizing 2-7/8" tubing.

The product's design combines a full bore ID (2.4" on the 5.5" anchor) with the reduced OD of the original Slimline TAC, allowing the anchor to be placed above the seat nipple in 2-7/8" tubing with the pump running through it.



What are customers saying about the TechTAC® Slimline®?



"We have one well that had to be pulled every 3 months due to scale. After installing a Slimline TAC, we didn't need to pull it for 2 years."

—Sr. Completion Foreman with a U.S.-based oil and gas company



"The combination of the 5.5" Slimline TAC and a gas separator is a top-of-the-line solution for mitigating the issue of gas locking."

—Manager at a major distributor of artificial lift technology



"Sand was a frequent problem in many of our wells. It would fall on top of a standard TAC and cement the anchor in place. After switching to the Slimline, that problem all but disappeared."

—Engineer with a large production company operating in the Southern United States

Unparalleled Service and Delivery

Established in 2004, TechTAC is a downhole tubing anchor solution provider built on three guiding principles:

- ♦ **Quality** that performs
- ♦ **Service** that exceeds expectations
- ♦ **Respect** for our industry family of workers and customers

In addition to exceptional products, TechTAC offers industry-leading customer service and delivery. We work hand in hand with service companies to provide operators with the anchoring products they need, when and where they need them.

TechTAC products are sourced and manufactured in the United States and are available through a network of Authorized Dealers throughout North America.

For more information or to get a quote, visit techtac.com, call 435-781-1675 or email info@techtac.com.



Slimline® Full Bore TAC Innovation

The patent-pending Slimline Full Bore Tubing Anchor Catcher leverages a unique and innovative design to provide significantly more flow-by area around the anchor while still maintaining an ID large enough to allow rod pumps designed for 2-7/8" tubing to pass through it.

Well designs that feature 2-7/8" tubing and mandate the TAC to be placed above the seat nipple can now take advantage of the proven benefits of the Slimline's reduced OD.

An independent computational fluid dynamics (CFD) study found that the net pressure drop around a standard Baker B2-style tubing anchor, as fluid/gas passes through the annular cavity around the anchor, is more than double the pressure drop around TechTAC's Slimline TAC. A significant pressure drop, like that around the standard B2 anchor, is the primary issue causing gas locking in rod pumps and a major contributor in the formation of scale, iron sulfide and paraffin. The Slimline anchor also demonstrated a noticeable advantage over the standard B2 TAC in reducing the overall turbulence and vorticity strengths within the flow field. In addition, the Slimline TAC exhibited "a more uniformly distributed velocity field."

To learn more, visit techtac.com.

