

# TechTAC®

## Product Catalog



Tech **TAC**®  
Slimline Tubing Anchor Catchers

## TechTAC® is Downhole Tubing Anchor Solutions

TechTAC® exists to give oil field equipment dealers, engineers and field personnel the tools, support and service they need to succeed. We're dedicated to building lasting customer relationships, conducting business with integrity and authenticity, and always meeting the highest standards of quality.



## Two Generations in the Oil Patch

Founded in 2004, TechTAC® is the creation of second-generation oil workers who spent years on drilling and workover rigs. The company's name comes from the combination of "technical" and "tubing anchor catcher," or TAC. It's that mission – bringing innovation and unmatched customer service to traditional technologies and equipment – that continues to drive TechTAC® today.





## American Made

TechTAC® products are sourced and manufactured in the United States using high-quality American steel. The TechTAC® team includes highly skilled machinists, mechanics and product designers in locations throughout the United States.

## A Commitment to Exceptional Service and Delivery

In addition to exceptional products, TechTAC® offers industry-leading customer service and delivery. Because we keep a healthy inventory of our products on hand, most TechTAC® anchors are either delivered or shipped within 24 hours of receiving an order.



## TechTAC® Locations

### WILLISTON, NORTH DAKOTA

Coming in 2024  
(405) 570-0827

### SALT LAKE CITY, UTAH

2066 W 2200 S  
West Valley,  
UT 84119  
(435) 781-1675

### VERNAL, UTAH

Corporate  
Headquarters,  
1256 E 620 S  
Vernal, UT 84078  
(435) 781-1675

### OKLAHOMA CITY, OKLAHOMA

4700 Dougherty  
Pl., Suite C  
Oklahoma City,  
OK 73179  
(405) 570-0827

### MIDLAND, TEXAS

43 E Industrial  
Loop Midland,  
TX 79701  
(432) 703-0042







## To our friends and colleagues in the oil patch:

At **TechTAC®**, we believe that the energy industry is the backbone of our economy. Thank you for the vital work you do every day to keep our vehicles moving, our homes warm and our companies strong.

Our goal at **TechTAC®** is to provide the highest levels of customer service, so we always strive to exceed your expectations. To do that, we know every product we make must meet the highest standards of quality. That's why all our materials are sourced, and all our products are manufactured, in the United States, by machinists and product experts who have spent decades serving the needs of the oil patch. We don't offer low-quality imported products or materials, because we know you can't cut corners when it comes to providing safe and reliable equipment for your customers.

**TechTAC®** is committed to building lasting relationships with service companies and helping them support the needs of engineers and field personnel, no matter the downhole challenges they face. As you'll see in this catalog, we offer a wide range of tubing anchor solutions – from the patented Slimline® Tubing Anchor Catcher and Slimline® QuickSet™ to standard B2 TACs to custom tools that can navigate casing patches – to give those engineers and operators maximum flexibility in designing and running downhole tool assemblies.

Whether you're servicing a high-productivity well, a deep or deviated well, wells with patched or swollen casings, or many other configurations, **TechTAC®** has a solution to help support your downhole equipment needs. And in most cases, your orders will be delivered or shipped within 24 hours.

Thank you for all you do to keep the American energy industry strong! All the best now and in the future.

Regards,

Brad Crist  
TechTAC® CEO  
[brad@techtacco.com](mailto:brad@techtacco.com)

# **TECHTAC® SLIMLINE®**

## **Tubing Anchor Catcher**



## Slimline® TAC Benefits & Features

### GENERAL TAC BENEFITS

- Minimizes wear on rods, tubing, casing and the rod pump
- Higher pump efficiency
- Maintains downhole alignment
- Reduces vibrations and tubing whipping
- Prevents tubing breathing and buckling
- Stops any parted pipe from falling into the well

### SLIMLINE® TAC BENEFITS

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

### SLIMLINE® TAC FEATURES

- Reduced overall diameter from a standard B2 TAC
- Increased flow through the annulus of up to 245%
- Tapered design on top and bottom
- Reduced area for debris collection
- Available in 4.5, 5.0, 5.5, 7.0 and 7.625-inch sizes
- Custom sizes available
- Sourced and manufactured in the United States
- Most anchor orders are delivered or shipped within 24 hours

### SLIMLINE® TAC APPLICATIONS

- Vertical and horizontal wells
- High- and low-productivity wells
- Wells that are highly deviated or corkscrewed
- Wells with patched or swollen casings
- Designs that place the anchor above, below or within the well perforations
- Deep wells of 10,000+ feet

The design of the patented Slimline® Tubing Anchor Catcher improves the flow-by capacity of fluid in the annulus by as much as 245% over a standard B2 anchor. That increased flow-by area allows gas to more easily flow up the well, rather than being trapped around the pump. The Slimline® also features tapered flow deflectors on the top and bottom. That tapered design, along with the anchor's reduced OD, virtually eliminates the risk of sediment or paraffin building up on top of the anchor. As such, it can be safely set above, in or below the perforations, depending on the well design.

A computational fluid dynamics (CFD) study from the independent consulting firm Imaginationeering 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®. 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."

## Slimline® TAC Parts List

The parts list for the 5.5" Slimline® TAC is listed below. A similar list is available for all sizes of the Slimline®, including custom sizes.



Part	Part Image	Product Name / Description	QTY
55STFD		5.5" Slimline Top Flow Deflector 2 3/8"	1
55STFD-78		5.5" Slimline Top Flow Deflector 2 7/8" <b>2-7/8 Connection</b>	1
55SBD		5.5" Slimline Body	1
55SBD-2		5.5" Slimline Body, 1.750" ID	1
55SBD-RH		5.5" Slimline Body, Right Hand <b>Right Hand</b>	1
55SCP		5.5" Slimline Cap	1
55SCS		5.5" Slimline Cap Screw	2
55SBN		5.5" Slimline Body Nut	1
55SBN-RH		5.5" Slimline Body Nut, Right Hand <b>Right Hand</b>	1
55SBNS		5.5" Slimline Body Nut Screw	1
55SUC		5.5" Slimline Upper Cone	1
55SUC-RH		5.5" Slimline Upper Cone, Right Hand <b>Right Hand</b>	1
55SSL-C		Protected: 5.5" Slimline Slip Carbide <b>Carbide Slip</b>	3
55SSSP		Protected: 5.5" Slimline Slip Spring	12
55SSL		5.5" Slimline Slip Wicker <b>Wicker Slip</b>	3
55SDSS		5.5" Slimline Drag Spring Screw	6
55SDSW		5.5" Slimline Drag Spring Star Washer	6
55SLC		5.5" Slimline Lower Cone	1
55SLC-RH		5.5" Slimline Lower Cone, Right Hand <b>Right Hand</b>	1
45DS		5.5" Slimline Drag Spring (1/16" Thick)	3
55SDS1		5.5" Slimline Drag Spring (1/8" Thick)	3
55SHO		5.5" Slimline Housing	1
55SLCS		5.5" Slimline Lower Cone Sleeve	1
55SLCS-RH		5.5" Slimline Lower Cone Sleeve, Right Hand <b>Right Hand</b>	1
55SBFD		5.5" Slimline Bottom Flow Deflector 2 3/8"	1
55SBFD-78		5.5" Slimline Bottom Flow Deflector 2 7/8" <b>2-7/8 Connection</b>	1
55PIN		5.5" Slimline Shear Pin (5K lbs Per Pin, Average 40K Shear)	8



## Slimline® TAC Models



### 4.5" SLIMLINE® TAC PART # 45STAC-C

Max Tool OD (Slip Protector OD): 3.70"  
Tool ID: 1.0"  
Flow-by OD: 2.875"  
Applicable Casing Weights: 9.5–15.1 ppf  
Connections: 2.375  
Approximate Overall Length: 30.5"



### 5.0" SLIMLINE® TAC PART # 50STAC-C

Max Tool OD (Slip Protector OD): 4.0"  
Tool ID: 2.0"  
Flow-by OD: 3.75"  
Applicable Casing Weights: 11.5–18 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 42.0"



### 5.5" SLIMLINE® TAC PART # 55STAC-C

Max Tool OD (Slip Protector OD): 4.50"  
Tool ID: 2.0"  
Flow-by OD: 3.75"  
Applicable Casing Weights: 13–23 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 42.0"



### 7.0" SLIMLINE® TAC PART # 70STAC-C

Max Tool OD (Slip Protector OD): 5.75"  
Tool ID: 2.40"  
Flow-by OD: 4.50"  
Applicable Casing Weights: 23–35 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 36.0"



### 7.625" SLIMLINE® TAC PART # 758STAC-C

Max Tool OD (Slip Protector OD): 6.40"  
Tool ID: 2.40"  
Flow-by OD: 4.50"  
Applicable Casing Weights: 24–39 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 36.0"

### Custom sizes available

Due to the increased annular area provided by the Slimline® TAC, the tool can be customized to suit virtually any well size and many unique downhole conditions, such as setting in a liner or below a casing patch. The TechTAC® team modifies the tools to the exact, well-specific dimensions needed in order to provide an ideal downhole tubing anchor solution.

For more information



(435) 781-1675



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# TECHTAC® SLIMLINE® QUICKSET™ Tubing Anchor Catcher



## Slimline® QuickSet™ TAC Benefits & Features

### GENERAL TAC BENEFITS

- Minimizes wear on rods, tubing, casing and the rod pump
- Higher pump efficiency
- Maintains downhole alignment
- Reduces vibrations and tubing whipping
- Prevents tubing breathing and buckling
- Stops any parted pipe from falling into the well

### SLIMLINE® QUICKSET™ BENEFITS

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

### SLIMLINE® QUICKSET™ FEATURES

- Sets and releases in as little as 1-to-3 turns, as opposed to the traditional 6-to-8 turns
- Smaller number of string torque rotations needed to fully set the anchor
- Reduced overall diameter from a standard TAC
- Increased flow through the annulus of up to 245%
- Standard and custom sizes available
- Sourced and manufactured in the U.S.
- Most anchor orders are delivered or shipped within 24 hours

### SLIMLINE® QUICKSET™ APPLICATIONS

The patent-pending Slimline® QuickSet™ TAC gives engineers and field personnel more flexibility when anchoring tubing strings in a variety of common and complex scenarios, including:

- Deep wells, where it's difficult to apply the necessary torque rotations to fully set a traditional anchor
- In the curve of a horizontal well
- Where the deviation survey indicates high dogleg severity (DLS) or corkscrewed wellbore geometry

The design of the patent-pending Slimline® QuickSet™ Tubing Anchor Catcher improves the flow-by capacity of fluid in the annulus by as much as 245% over a standard B2 anchor. That increased flow-by area allows gas to more easily flow up the well, rather than being trapped around the pump. The Slimline® also features tapered flow deflectors on the top and bottom. That tapered design, along with the anchor's reduced OD, virtually eliminates the risk of sediment or paraffin building up on top of the anchor. As such, it can be safely set above, in or below the perforations, depending on the well design.

In addition, the Slimline® QuickSet™ gives engineers and field personnel more flexibility when anchoring tubing strings deep; in the curve of a horizontal well; and in many cases, where the deviation survey indicates high dog-leg severity (DLS) or corkscrewed wellbore geometry. This flexibility is made possible by the reduction in string torque rotations required to fully set the Slimline® QuickSet™ TAC.



## Slimline® QuickSet® TAC Parts List

The parts list for the 5.5" Slimline® QuickSet™ TAC is listed below. A similar list is available for all sizes of the Slimline® QuickSet™, including custom sizes.



Part	Part Image	Product Name / Description	QTY
55STFD		5.5" Slimline Top Flow Deflector 2 3/8"	1
55STFD-78		5.5" Slimline Top Flow Deflector 2 7/8" <b>2-7/8 Connection</b>	1
55SBD-QS		5.5" Slimline Body/Mandrel, QuickSet	1
55SBD-2-QS		5.5" Slimline Body/Mandrel, 1.750" ID, QuickSet	1
55SBD-RH-QS		5.5" Slimline Body/Mandrel, Right Hand, QuickSet <b>Right Hand</b>	1
55SCP		5.5" Slimline Cap	1
55SCS		5.5" Slimline Cap Screw	2
55SBN-QS		5.5" Slimline Body Nut, QuickSet	1
55SBNS		5.5" Slimline Body Nut, Right Hand, QuickSet <b>Right Hand</b>	1
55SBN-RH-QS		5.5" Slimline Body Nut Screw	1
55SPP		5.5" Slimline Pipe Plug	6
55SUC-QS		5.5" Slimline Upper Cone, QuickSet	1
55SUC-RH-QS		5.5" Slimline Upper Cone, Right Hand, QuickSet <b>Right Hand</b>	1
55SSL-C		5.5" Slimline Slip Carbide <b>Carbide Slip</b>	3
55SSSP		5.5" Slimline Slip Spring	12
55SSL		5.5" Slimline Slip Wicker <b>Wicker Slip</b>	3
55SDSS		5.5" Slimline Drag Spring Screw	6
55SDSW		5.5" Slimline Drag Spring Star Washer	6
55SLC-QS		5.5" Slimline Lower Cone, QuickSet	1
55SLC-RH-QS		5.5" Slimline Lower Cone, Right Hand, QuickSet <b>Right Hand</b>	1
45DS		5.5" Slimline Drag Spring (1/16" Thick)	3
55SDS1		5.5" Slimline Drag Spring (1/8" Thick)	3
55SHO		5.5" Slimline Housing	1
55SLCS-QS		5.5" Slimline Lower Cone Sleeve, QuickSet	1
55SLCS-RH-QS		5.5" Slimline Lower Cone Sleeve, Right Hand, QuickSet <b>Right Hand</b>	1
55SBFD		5.5" Slimline Bottom Flow Deflector 2 3/8"	1
55SBFD-78		5.5" Slimline Bottom Flow Deflector 2 7/8" <b>2-7/8 Connection</b>	1
55PIN		5.5" Slimline Shear Pin (5K lbs Per Pin, Average 40K Shear)	8

## Slimline® QuickSet™ Models



### 4.5" SLIMLINE® QUICKSET™ TAC PART # 45STAC-C-QS

Max Tool OD (Slip Protector OD): 3.70"  
Tool ID: 1.0"  
Flow-by OD: 2.875"  
Applicable Casing Weights: 9.5–15.1 ppf  
Connections: 2.375  
Approximate Overall Length: 30.5"



### 5.0" SLIMLINE® QUICKSET™ TAC PART # 50STAC-C-QS

Max Tool OD (Slip Protector OD): 4.0"  
Tool ID: 2.0"  
Flow-by OD: 3.75"  
Applicable Casing Weights: 11.5–18 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 42.0"



### 5.5" SLIMLINE® QUICKSET™ TAC PART # 55STAC-C-QS

Max Tool OD (Slip Protector OD): 4.50"  
Tool ID: 2.0"  
Flow-by OD: 3.75"  
Applicable Casing Weights: 13–23 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 42.0"



### 7.0" SLIMLINE® QUICKSET™ TAC PART # 70STAC-C-QS

Max Tool OD (Slip Protector OD): 5.75"  
Tool ID: 2.40"  
Flow-by OD: 4.50"  
Applicable Casing Weights: 23–35 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 36.0"



### 7.625" SLIMLINE® QUICKSET™ TAC PART # 758STAC-C-QS

Max Tool OD (Slip Protector OD): 6.40"  
Tool ID: 2.40"  
Flow-by OD: 4.50"  
Applicable Casing Weights: 24–39 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 36.0"

### Custom sizes available

Due to the increased annular area provided by the Slimline® QuickSet™ TAC, the tool can be customized to suit virtually any well size and many unique downhole conditions, such as setting in a liner or below a casing patch. The TechTAC® team modifies the tools to the exact, well-specific dimensions needed in order to provide an ideal downhole tubing anchor solution.

For more information



(435) 781-1675



info@techtacco.com

# **TECHTAC® STANDARD B2 Tubing Anchor Catcher**





## Standard B2 TAC Benefits & Features

### GENERAL TAC BENEFITS

- Minimizes wear on rods, tubing, casing and the rod pump
- Higher pump efficiency
- Maintains downhole alignment
- Reduces vibrations and tubing whipping
- Prevents tubing breathing and buckling
- Stops any parted pipe from falling into the well

### STANDARD B2 TAC BENEFITS

- Lower-cost anchoring solution
- Commonly used in traditional well designs
- Widely available parts and services

### STANDARD B2 TAC FEATURES

- Traditional Baker B2-style design
- Available in 4.0, 4.5, 5.0, 5.5, 7.0 and 7.625-inch sizes
- Custom sizes available
- Sourced and manufactured in the United States
- Most anchor orders are delivered or shipped within 24 hours

### STANDARD B2 TAC APPLICATIONS

- Vertical wells deeper than 3,000 feet
- High-productivity wells
- Wells with a low gas-to-liquid ratio
- Designs that place the anchor above the perforations

For wells that utilize sucker rod pump (SRP) systems, the use of a Baker B2-style, or “standard,” tubing anchor catcher can provide several advantages. By stabilizing the tubing string, a tubing anchor can improve the efficiency of the rod pump system. In wellbores with tubing that is freely suspended, tubing tends to elongate on the pump down stroke. At the same time, the rods contract (i.e., shorten). Conversely, on the up stroke, the tubing contracts and the rods elongate. This effectively reduces travel distance, which in turn, decreases production. A tubing anchor prevents such a condition from occurring.

In addition, the continuous cycle of elongating and contracting increases the risk of tubing buckling. In such cases, the tubing string can bend and/or coil, causing it to rub against the rod and/or the casing. This motion causes wear to the casing, the tubing and the pump barrel. In turn, the risk of early failure is heightened, as is the potential need for costly interventions. The added friction also necessitates more power for lifting, which increases OPEX. In the case of deep, highly productive wells, if the wear is excessive, the tubing can part and cause an expensive fishing job.

## Standard B2 TAC Parts List

The parts list for the 5.5" Standard B2 TAC is listed below. A similar list is available for all sizes of the Standard B2 TAC, including custom sizes.



Part	Part Image	Product Name / Description	QTY
55TS		5.5" Standard Top Sub 2 3/8	1
55TS-78		5.5" Standard Top Sub 2 7/8 <b>2-7/8 connection</b>	1
55BD		5.5" Standard Body	1
55BD-RH		5.5" Standard Body, Right Hand <b>Right Hand</b>	1
55CP		5.5" Standard Cap	1
55CS		5.5" Standard Cap Screw	1
55BN		5.5" Standard Body Nut	1
55BNS		5.5" Standard Body Nut Screw	1
55BN-RH		5.5" Standard Body Nut, Right Hand <b>Right Hand</b>	1
55HO		5.5" Standard Housing	1
55HG		5.5" Standard Housing Guide	3
55HGS		5.5" Standard Housing Guide Screw	6
55DSC2		5.5" Standard Double Drag Spring Screw	6
55DSC		5.5" Standard Drag Spring Screw	6
55UC		5.5" Standard Upper Cone	1
55UC-RH		5.5" Standard Upper Cone, Right Hand <b>Right Hand</b>	1
55SL-C		5.5" Standard Slip Carbide	3
55SSP		5.5" Standard Slip Spring	9
55SL		5.5" Standard Slip Wicker	3
55DS1		5.5" Standard Drag Spring	3
55DS2		5.5" Standard Inner Drag Spring	3
55LC		5.5" Standard Lower Cone	1
55LC-RH		5.5" Standard Lower Cone, Right Hand <b>Right Hand</b>	1
55PP		5.5" Standard Pipe Plug	1
55LCS		5.5" Standard Lower Cone Sleeve	1
55LCS-RH		5.5" Standard Lower Cone Sleeve, Right Hand <b>Right Hand</b>	1
55BS		5.5" Standard Bottom Sub 2 3/8 <b>2-3/8 connection</b>	1
55BS-78		5.5" Standard Bottom Sub 2 7/8 <b>2-7/8 connection</b>	1
55PIN		5.5" Standard Shear Pin (5K lbs Per Pin, Average 40K Shear)	8

## Standard B2 TAC Models



### 4.0" STANDARD B2 TAC PART # 40TAC-C

Max Tool OD: 2.875"  
Tool ID: 1.0"  
Flow-by OD: 2.875"  
Applicable Casing Weights: 9.5–12.6 ppf  
Connections: 2.375  
Approximate Overall Length: 30.5"



### 4.5" STANDARD B2 TAC PART # 45TAC-C

Max Tool OD: 3.75"  
Tool ID: 2.0"  
Flow-by OD: 3.75"  
Applicable Casing Weights: 9.5–13.5 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 38.0"



### 5.0" STANDARD B2 TAC PART # 50TAC-C

Max Tool OD: 4.0"  
Tool ID: 2.0"  
Flow-by OD: 4.0"  
Applicable Casing Weights: 11.5–18 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 38.0"



### 5.5" STANDARD B2 TAC PART # 55TAC-C78

Max Tool OD: 4.50"  
Tool ID: 2.40"  
Flow-by OD: 4.50"  
Applicable Casing Weights: 13–23 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 35.0"



### 7.0" STANDARD B2 TAC PART # 70TAC-C78

Max Tool OD: 5.50"  
Tool ID: 2.48"  
Flow-by OD: 5.50"  
Applicable Casing Weights: 20–38 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 31.0"



### 7.625" STANDARD B2 TAC PART # 758TAC-C78

Max Tool OD: 6.25"  
Tool ID: 2.48"  
Flow-by OD: 5.50"  
Applicable Casing Weights: 20–39 ppf  
Connections: 2.375 or 2.875  
Approximate Overall Length: 31.0"



# TECHTAC® QUARTER-TURN Tension Anchor



## Quarter-Turn Tension Anchor Benefits & Features

### GENERAL TA BENEFITS

- Minimizes wear on rods, tubing, casing and the rod pump
- Higher pump efficiency
- Maintains downhole alignment
- Reduces vibrations and tubing whipping
- Prevents tubing breathing and buckling

### QUARTER-TURN TA BENEFITS

- Sets with minimal surface rotations
- Easy to redress
- Eliminates need for tubing swivel
- Can remain in tension, compression or neutral positions

### QUARTER-TURN TA FEATURES

- Quarter-turn right-hand set with auto-J release
- Stainless steel drag springs
- No threads to seize up
- Left-hand back-off coupling
- Easy adjustable shear release
- Extra fluid bypasses that allow gas and fluid to flow around the anchor
- Available in 4.5, 5.5 and 7.0-inch sizes
- Sourced and manufactured in the United States

### QUARTER-TURN TA APPLICATIONS

- Deep wells where it's difficult to apply the necessary torque rotations to fully set a traditional anchor
- In the curve of a horizontal well
- Where the deviation survey indicates high dogleg severity (DLS) or corkscrewed wellbore geometry

The right-hand set Quarter-Turn Tension Anchor is a rugged, compact, quarter-turn set, automatic-released anchor that holds tubing stationary during pumping. Anchoring prevents tubing breathing and buckling, which increases pumping efficiency while reducing rod, tubing and casing wear. The Quarter-Turn Tension Anchor has stainless steel drag springs that centralize and protect slips while running in. It also

includes extra fluid bypasses that allow gas and fluid to flow around the anchor with ease, as well as an emergency shear release and left-hand back-off coupling. The Quarter-Turn Tension Anchor is typically used in deep or deviated wells, or wells with extreme wellbore geometry, where getting torque rotations down to the anchor is challenging or impossible.

## Quarter-Turn Tension Anchor Parts List

The parts list for the 5.5" Quarter-Turn Tension Anchor is listed below. A similar list is available for all sizes of the Quarter-Turn TA, including custom sizes.



Part	Part Image	Product Name / Description	QTY
5514TS3		5.5" Qtr Set Tension Anchor 2 3/8 Top Sub <b>2-3/8 Connection</b>	1
5514TS7		5.5" Qtr Set Tension Anchor 2 7/8 Top Sub <b>2-7/8 Connection</b>	1
5514BD		5.5" Qtr Set Tension Anchor Body/Mandrel	1
5514BD2		5.5" Qtr Set Tension Anchor Body/Mandrel, 20-23# <b>20-23#</b>	1
5514CR		5.5" Qtr Set Tension Anchor Cage Ring	1
5514RS		5.5" Qtr Set Tension Anchor Cage Ring Screws	6
5514DSS		5.5" Qtr Set Tension Anchor Drag Spring Screws	8
5514LW		5.5" Qtr Set Tension Anchor Lock Washers	8
5514DS		5.5" Qtr Set Tension Anchor Drag Spring	4
5514JH		5.5" Qtr Set Tension Anchor J-Housing	1
5514SL-C		5.5" Qtr Set Tension Anchor Carbide Slip <b>Carbide Slip</b>	4
5514SS		5.5" Qtr Set Tension Anchor Slip Spring	8
5514SL		5.5" Qtr Set Tension Anchor Wicker Slip <b>Wicker Slip</b>	4
5514C		5.5" Qtr Set Tension Anchor Cone	1
5514C2		5.5" Qtr Set Tension Anchor Cone, 20-23# <b>20-23#</b>	1
5514SP		5.5" Qtr Set Tension Anchor Shear Pins/Screws	8
5514BS3		5.5" Qtr Set Tension Anchor 2 3/8 Bottom Sub <b>2-3/8 Connection</b>	1
5514BS7		5.5" Qtr Set Tension Anchor 2 7/8 Bottom Sub <b>2-7/8 Connection</b>	1

For more information (435) 781-1675 [info@techtacco.com](mailto:info@techtacco.com)



## Quarter-Turn Tension Anchor Models



### **4.5" QUARTER-TURN TENSION ANCHOR PART # 4514TA-C**

Max Tool OD: 3.75"

Tool ID: 1.978"

Applicable Casing Weights: 9.5–13.5 ppf

Connections: 2.375 or 2.875

Approximate Overall Length: 30.0"



### **5.5" QUARTER-TURN TENSION ANCHOR PART # 5514TA-C78**

Max Tool OD: 4.625"

Tool ID: 2.438"

Applicable Casing Weights: 13–20 ppf

Connections: 2.375 or 2.875

Approximate Overall Length: 35.0"



### **7.0" QUARTER-TURN TENSION ANCHOR PART # 7014TA-C**

Max Tool OD: 5.75"

Tool ID: 2.438"

Applicable Casing Weights: 20–32 ppf

Connections: 2.375 or 2.875

Approximate Overall Length: 37.0"

# TechTAC® Custom Solutions

## CUSTOM ANCHOR SIZES

TechTAC® currently stocks a variety of the most common tubing anchor catcher sizes, including 4, 4.5, 5, 5.5, 7 and 7 5/8-inch tools. However, other sizes are available upon request, including unique or custom-built anchors. TechTAC® has delivered TACs to fit 6 and 6.5-inch wells, in addition to oversized tools for 8 5/8 and 9 5/8-inch wells.

## SLIMLINE® CASING PATCH TAC

The Slimline® Casing Patch TAC is a tubing anchor catcher designed for anchoring a tubing string within an oil well where the wellbore casing has been patched, is swollen or has a reduced ID due to scale. This custom-made anchor leverages innovative mechanics and the unique design of the Slimline® to navigate an oil well casing patch or similar anomaly while still being able to fully set below the patch or affected area.

## ANCHOR REBUILD SERVICES

After being removed from the well, some tubing anchors can be reused after minor maintenance and some replacement parts. In these instances, TechTAC® offers anchor rebuild services, where customers can ship or deliver their used anchors to one of the company's warehouses for maintenance and repair. The rebuilt anchors can then be used to fulfill a future order from the returning customer.

## GENUINE TECHTAC® REPLACEMENT PARTS

Choosing genuine replacement parts from TechTAC® instead of aftermarket components helps ensure the proper operation of downhole equipment. Using TechTAC® replacement parts that are made in the USA guarantees those parts meet the engineering specifications and tolerances required for proper fit, component integrity, and top-notch performance and reliability.

For more information



(435) 781-1675



[info@techtacco.com](mailto:info@techtacco.com)

**“We source and manufacture our products in the United States, using talented machinists, mechanics and product experts.”**





# TechTAC<sup>®</sup>

Slimline Tubing Anchor Catchers

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**Salt Lake City, Utah**

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✉ [www.tubinganchor.com](http://www.tubinganchor.com)