

**NUMBER ONE IN  
CASING EQUIPMENT**

**SUMMIT**  
CASING EQUIPMENT

# PRODUCTS THAT PERFORM

## STAGE TOOLS “STANDARD, COMPOSITE AND HYDRAULIC”



Summit's stage tool offerings include a standard design tool and a fully composite tool that eliminates 100% aluminum components in the tool for faster drill outs in one bit trip. Our fully composite tool features an average drill out time of 11 minutes and reduces the likelihood of bit damage.

Designed for use in wells with weak formations and/or lost circulation zones, Summit Stage Tools can be used in areas of the wellbore that require isolation, ensuring well integrity when low hydrostatic pressure must be maintained. Our stage tools deliver an impressive 99.7% success rate, with a range of cancellation and contingency options available. Slim hole design tools are also available.

Summit's Hydraulic DV tool hydraulically opened by internal applied casing pressure eliminating the need for a free-fall opening cone. Increased pressure shears a set of opening pins, allowing the opening sleeve to move down across the ports, opening the tool. The standard operating equipment for a Summit Hydraulic DV Tool is a Shut-Off Plug and Closing Plug.

## GLASS FLOTATION SUBS

Summit's Casing Runner Glass Flotation Sub allows operators to float casing to bottom in long laterals and reduces the likelihood of needing to wash and ream casing to bottom. The casing below the flotation sub is left empty creating buoyancy that significantly reduces friction and drag forces through the lateral while the weight of fluid drives the casing to bottom. Summit's Casing Runner utilizes a tempered glass material capable of withstanding extreme levels of differential pressure and a brass shear ring that holds tight shear tolerances of +/- 7% of expected rupture rating at ambient and elevated temperatures.



## INFLATABLE CASING PACKERS

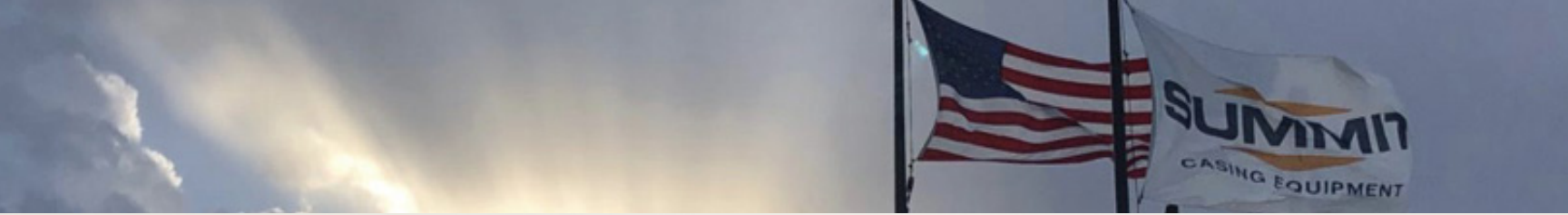


Summit inflatable casing annulus packers are suitable for cased and open hole in horizontal and vertical applications, providing a reliable, field-proven system that provides consistent zonal isolation, protection, and security. Built on a mandrel equivalent to well casing, the packer maintains burst, collapse and tensile integrity throughout the casing section, expanding to 2.5 times run-in diameter.

## SURESTART™ XP TOE SLEEVES

Pressure actuated sliding sleeve design is compact for easy handling (no pup joints required). Internal piston is protected and hydraulically balanced to prevent premature activation. Spring assisted piston and magnetic lock-open feature ensures valve fully opens and remains open. Equipped with interchangeable burst disks, available in 500 psi (3.5 MPa) increments. Made in America quality.





## FLOAT EQUIPMENT & REAMER SHOES



Summit Float Equipment features our exclusive Pro Guard valves for superior sealing performance at both low and high pressures. Summit has engineered float equipment capable of withstanding 5,000 psi, 10,000 psi and 15,000 psi back pressure capabilities. Each component is engineered and tested to exceed API 10F specification requirements. Phosphate and powder coatings provide corrosion and galling prevention, for extreme downhole performance. A variety of sizes, casing grades, weights, threads, valves, and nose configurations are available.

Our Razer Reamer Shoes help you get to total depth faster, no matter the obstacles. A unique eccentric nose maximizes maneuverability around obstructions and minimizes the amount of material removed during drill out. A unique design featuring Tungsten Carbide profile pads allows the reamer to pass through tight spots, while providing positive flow distribution for the debris to flow up hole and eliminate disturbances.

Looking for faster drill-outs? Summit float equipment and reamer shoe noses can be designed with a composite nose for faster drill out. Ask about our field study! Our composite nose material is our proprietary material which we mold in-house for tightened quality control. We also offer a Heavy Duty Reamer Shoe for aggressive formations, which features an eccentric bronze nose with lead cutting buttons.

## PLUGS

Summit utilizes an urethane plug material which is known for excellent abrasion resistance and added wiping efficiencies. Our abrasion resistance is further improved by the addition of Summit's proprietary additive blend which exhibits a 6.5x wear resistance compared to other industry materials. Ask us about our competitor testing!

Various types of plugs are available from Summit Casing Equipment, including Non-Rotating or Standard Top and Bottom Plugs and Latch-in Plugs. We mold all plugs in-house.



## INTEGRATED SHOE TRACKS

Now Summit has a "Made in America" solution for reducing shoe track length, cost and premium connections. Our Integrated Shoe Track (IST) provides 10,000 psi back pressure holding force with only one pipe connection in a one-piece shoe track below seven feet in length.

The IST allows superior performance against large differential pressures when floating casing, and at the end of displacement during primary cementing. It also provides a solution to operators seeking a shorter shoe track solution for open toe cementing. IST is the high quality, cost-effective casing solution operators have been looking for.





### COMPOSITE CENTRALIZERS

Summit's lineup of tough, lightweight, one-piece composite centralizers are designed for horizontal applications. It's revolutionary design features state-of-the-art composite material and construction providing an extremely low coefficient of friction up to 4.7 times lower and a 40% weight reduction over other centralizers. Our static coefficient of friction is 0.17 with OVER 800,000 SOLD! This centralizer is available in both straight and spiral blade configurations. With no vulnerable weak points, Summit centralizers resist high impact and wear, while maintaining integrity even in extreme temperatures.

### NON-WELD, SINGLE PIECE CENTRALIZER, THE PATRIOT-TD

Engineered for difficult applications such as deviated, horizontal, and ERD wells, Summit's Patriot-TD Centralizer is a non-weld, one-piece integral constructed bowspring centralizer perfect for these extreme applications. The Patriot-TD Centralizer is the best centralizer on the market and outperforms similar competitor bows in standoff percentage, restoring forces and deflection distance. The Patriot-TD Centralizer features contour bows that are formed to the specific open hole diameter minimizing drag and producing 0 starting and running forces.



### HINGED BOWSPRING CENTRALIZERS

Summit Go Flex Bow Centralizers are fabricated with high quality alloy steel to provide optimum flexibility and reliability. Each tool is engineered to provide low starting forces (nearly 13 times lower than the maximum industry requirement), while maintaining a high restoring force up to 5.7 times higher than our competitors.



### SOLID BODY CENTRALIZERS

Summit's solid body centralizers are fabricated with ASTM grade steel to perform in the most challenging conditions and are customizable to any application. Blade designs feature a blade leading edge that is designed to minimize torque and drag. Blade configurations include straight, spiral and half-moon shaped blade (which minimizes contact area while maintaining required standoff). Custom designs can be engineered upon request for special applications.



One Buying Decision. One Order. All From One Source

INTRODUCING OUR NEW

# SUMMIT SPECTRUM SYSTEM



Get the full range of production string equipment in one, convenient package with the Summit Spectrum System. The key pieces you need to assemble a production string – the full spectrum – sold together for ease and efficiency. All Proudly made in the USA.

## THE SUMMIT SPECTRUM SYSTEM MAKES ASSEMBLING A PRODUCTION STRING FAST AND EASY

- Eliminates the hassle and headache of placing individual orders or running down missing parts. Every piece needed for a production string is included in the Spectrum package.
- No supply chain challenges. All Summit parts are proudly manufactured right here in the USA, no container ships required, so you can get what you need now!

## THE SUMMIT SPECTRUM SYSTEM INCLUDES

- An option of Float Equipment or Integrated Shoe Track (IST), both with 10K or 15K valves
- SUREstart™ XP Toe Sleeve
- Summit Glass Flotation Sub
- Summit Latch-In Plugs – available in various configurations and sizes
- Summit Centralizers – available in a variety of styles, including hinged bow spring, solid steel body centralizer, composite, and one-piece slip-on bow centralizer

Other tools can be added to the package as needed. No more individual buying decisions or orders. No supply chain worries. With the **Spectrum System it's "One and Done!"** A single buying decision gets you everything you need to assemble a production string.



Integrated Shoe Track



Float Equipment



Latch-In Plugs



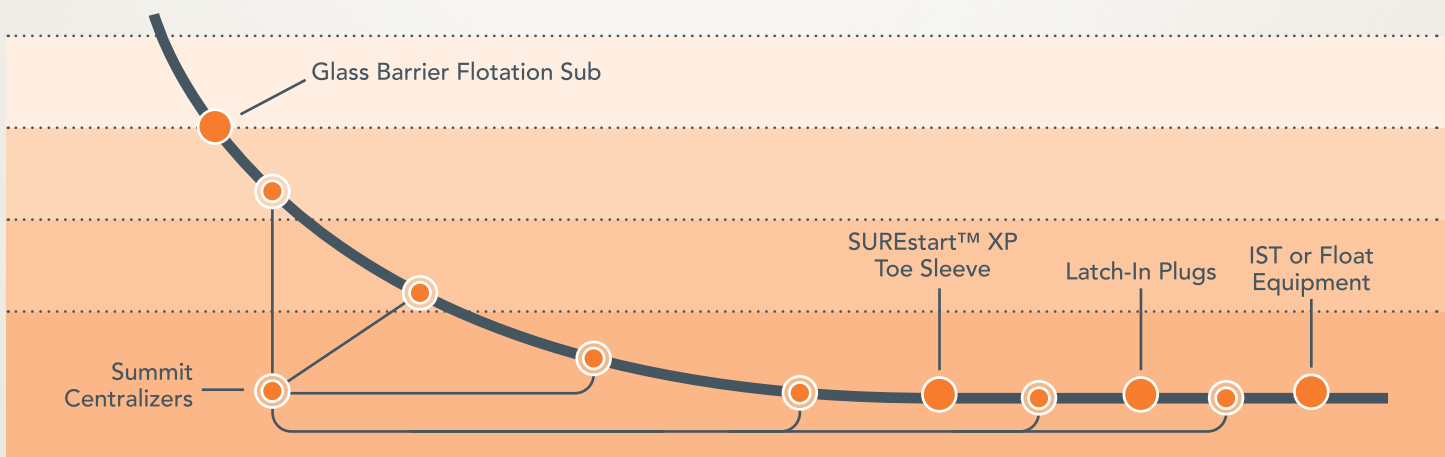
SUREstart™ XP Toe Sleeve



Glass Barrier Flotation Sub



Centralizers



# SUMMIT

CASING EQUIPMENT

[SUMMITCASING.COM](https://summitcasing.com)

Call (877) 860-0969 or email  
[sales@summitcasingequipment.com](mailto:sales@summitcasingequipment.com)



**HEADQUARTERED IN FORT WORTH, TX**

Houston, TX • Midland, TX • San Antonio, TX • Greely, CO • Williston, ND • Oklahoma City, OK • Williamsport, PA • Washington, PA

© 2022 Summit Casing Equipment. All rights reserved.