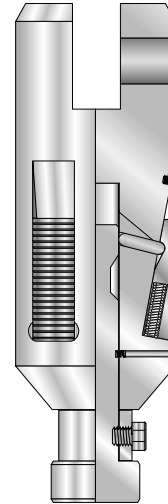


## Single-Grip, Bottom-Trip

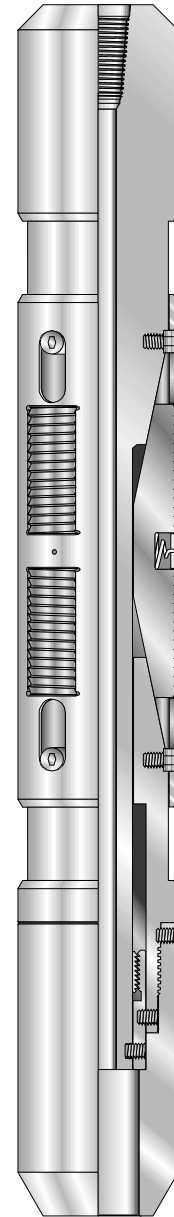
The TIW Single-Grip, Bottom-Trip Whipstock Anchor is designed to firmly anchor the whipstock within the cased wellbore to facilitate sidetrack milling operations. The anchor is run in place on the drill pipe along with the whipstock and the starter mill, and is set by tagging the bottom of the hole. The anchor can then be properly positioned by pulling it up in the hole to the desired setting depth. Compression is then applied to the drillstring to set the anchor and shear the starter mill bolt. The anchor can easily be retrieved by latching on to the whipstock and applying tension to the drillstring.

## Double-Grip, Bottom-Trip

The Double-Grip, Bottom-Trip Whipstock Anchor features bi-directional slips that resist both upward and downward movement of the whipstock. Similar to the single-grip tool, the Double-Grip Anchor also gives positive centering of the whipstock within the casing when in the set position. This anchor allows the starter mill shear bolt to be sheared in tension or compression without movement of the anchor and whipstock. This anchor can easily be converted from a permanent to a retrievable version in the field.



Single-Grip,  
Bottom-Trip  
Whipstock  
Anchor



Double-Grip,  
Bottom-Trip  
Whipstock  
Anchor