



### Benefits:

- Protects Cable at Coupling
- Shifts tubing string away from Casing
- Replaces cable bands near joint
- Eliminates cleanouts for bands

### Applications:

- ESP Cable Protection
  - o Deviated or Inclined wells
- Unconventional Horizontals- High DLS and Tangents
- Chemical treatment with Cap tube
  - o Protects 3/8" and 1/4" Capillary

\* ISO9001 Manufactured, Third Party Tested

### Improvements for Unconventionals:

- No-Slip grip: Improved rotational and axial grip
- Improved design of body to improve installation increase rerun rates

### Features:

- Upgraded Annealed Ductile Iron
- Heavy Duty Cable guard with Cap tube slots
- 1-piece design
  - o No parts to drop down hole
  - o Rapid installation

<i>TEST</i>	<i>RESULTS</i>	<i>Description</i>
<i>Rotation Slip</i>	3.5 TONS	Rotational grip on tubing
<i>Lateral Load</i>	6 TONS	Until .5 mm deflection (safe)
<i>Axial Load</i>	3.8 TONS	Up and Down tubing
<i>Cable Grip</i>	575 lbs.	10+ Joints of cable
<i>Control Line Grip</i>	337 lbs. - 425 lbs.	1/4" & 3/8" Cap Tube