

CROSS COUPLING CABLE PROTECTOR CLAMPS



Benefits:

- Protects Cable at Coupling
- Shifts tubing string from Casing
- Typically replaces 2 cable bands per joint
 - o Reduces damage from band snag
 - o Less bands to clean out during workover

Applications:

- Convectional wells with casing concerns
- Deviated wells
- Inclination that cases equipment to slide
- Unconventional Horizontals- High DLS and Tangents



Improvements for Unconventionals:

- No-Slip grip: improved rotational and axial grip
- Improved design of body to increase rerun %
- Axial profile improved to reduce contact edge and stress concentrations for improved run impact
- Material changed to improve resilience for impact with slips, wellhead, and casing abnormalities



No slip grip

Features:

- Annealed Ductile Iron
- Heavy Duty Cable guard
- 2 cap string slots – 1/4" and 3/8"
- 1-piece design
 - o No parts to drop down hole
 - o Rapid installation

*Third Party Material & Product Testing by SGS

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