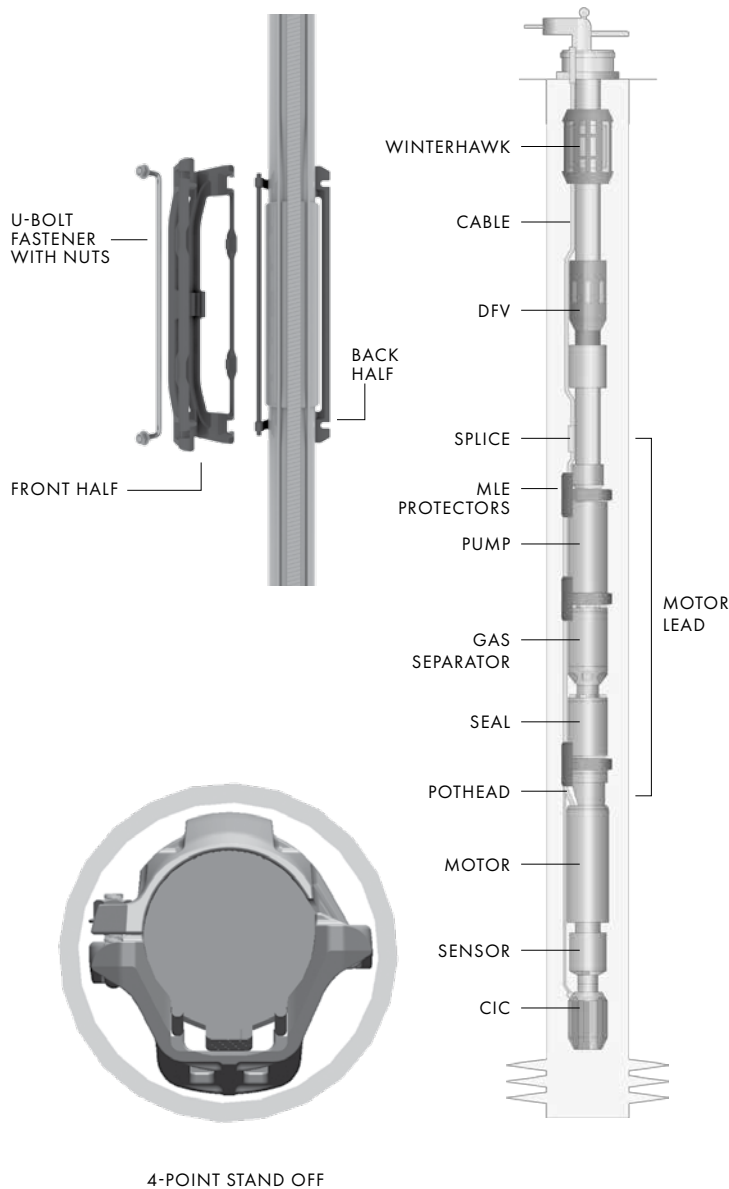


WINTERHAWK

CROSS COUPLING CABLE PROTECTORS



Winterhawk is the only power cable and control line protector with 4-point standoff design that does not require mid-joint protectors.

Winterhawk cable protectors are not only robust, adaptable and repairable, they also provide centralization and support, above and beyond those of the competition.

Applications

- Deviated or horizontal wells
- Conveyance inside liner casing
- Steam Assisted Gravity Drainage (SAGD) wells
- Geothermal wells
- Offshore wells
- Subsea wells

Benefits

- Reduce risk of cable damage during the ESP conveyance in well
- Reduce risk of cable failure due to banding or other cable protectors' overstress to hold in place the power cable
- Improves project economics because of reusability; 98% re-run rate (highest in industry)
- Improves inventory rationalization by modularized design
- No special tools required for installation

Features

- High-quality annealed ductile iron
- 100% U.S. manufactured
- Compression design is evenly distributed across the coupling length
- Modular design enables customization to any tubing connection and power cable size
- Available for ESP cable and control lines
- Patented 4-point stand off design

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