

Cable Handling

Safe deployment of cables

Seismic towed arrays are carefully designed to maximize survey efficiency. To enable the towed array to be set up correctly, it is necessary to attach various buoys, cross chains etc. To ensure the integrity of the towed array, these connection points must provide a secure and safe method of attachment.

Trelleborg Offshore designs and manufactures specialist cable handling solutions to meet the exacting demands of marine seismic customers. Using our expertise in understanding the difficulties associated with working in such demanding conditions, our seismic cable handling solutions ensure the safe management and deployment of cables.

The cable handling solution range includes Super Boots, Cumberland Grips and Cumberland Sliders to meet your needs.

Cumberland Grip

The Cumberland Grip is generally used on seismic survey towed cables or as an ocean bottom cable system for anchor weight attachment. Benefits of a Cumberland Grip include:

- Safe attachment of moderate load diverters and tow points to armored or sheathed cables
- Integrated friction grip clamp and bend stiffeners to control cable curvature
- Provides uniform grip over entire length
- Fully split to allow easy attachment
- Fully spoolable with yoke removed



Cumberland Grip

Cumberland Slider

The Cumberland Slider stabilizes large multi cable towed array systems during turning and alignment maneuvers. Benefits of Cumberland Sliders include:

- Easy movement over cable with clearance bore
- Provides cable protection under sliding conditions
- Sacrificial tip wear pad inserts
- Fully spoolable with yoke removed



Cumberland Slider

Super Boot

The Super Boot is generally used on a seismic lead-in cable that must be linked at intervals to a parallel tow wire. It can also be used for protection of cables when floats are attached at certain points along a heavy tow cable.

Benefits of Super Boots include:

- Safe coupling for sheathed or armored cables at mid-length
- Integrated friction grip clamp and bend stiffeners to control cable curvature
- Protection against over bending and chafing
- Fully spoolable with bridle and yoke removed



Super Boot

Information needed to specify cable handling solutions:

Cable Properties:

- Cable diameter and tolerances
- Minimum bend radius in Static (storage) and Dynamic (deployed) configurations
- Cable bend stiffness
- Drawing of cable cross section if available
- Cable outer jacket material

Duty:

- Maximum axial load
- Deployment scenario with full schematic drawing
- Number and type of attachment points
- Will system be spooled or not

Geometric Constraints:

- Size restrictions

Contact Us

Trelleborg Offshore delivers innovative and reliable offshore solutions that maximize business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.

Brazil: +55 22 99781 4592

France: +33 3 44 23 03 50

Malaysia: +603 2776 6888

Norway: +47 32 23 20 00

United Kingdom: +44 2476 460600

United States: +1 832 456 8300

Email: Seismicsolutions@trelleborg.com

