

## PRODUCT DATASHEET

# UNIVERSAL JOINT BEND RESTRICTOR CONNECTOR



*Universal Joint Bend Restrictor (un-mated half)*

## DESCRIPTION

The Bend Restrictor utilizes a universal joint design that allows cable bending through restricted space areas whilst still providing an adequate level of strain relief and bend restriction of the cable system. In addition the Bend Restrictor terminates the required cable with a dry mateable connector suitable for deepwater operation. Also suitable for small bore modular arrays.

## KEY FEATURES

- Mated length: 1.2m (48 inches)
- Overall Diameter: 6.4cm (2.5 inches)
- Operating Tensile Load: 267 kN (60,000 lbf)
- Dynamic Cyclic Bend Load: 50 kN (11,000 lbf)
- Depth Rating: 1,500m (5,000 feet)
- Suitable for **MSS**, **MINI-CON** and **Micro MINI-CON** series of dry mateable connectors
- Modular cable terminations

## DESIGN RATINGS & TESTING

- Design life: 25 years
- Depth Rating: 1,500m (5,000 feet)
- Connector Insulation Resistance: >100 Mohms @ 500 VDC
- Suitable for **MSS**, **MINI-CON** and **Micro MINI-CON** series of drymateable connectors
- Operating Tensile Load: 267 kN (60,000 lbf)
- Dynamic Cyclic Bend Load: 50 kN (11,000 lbf)
- Dynamic Cycle Condition: Cyclic over 0.9m (36 inches) diameter sheave:
  - 5,000 lbs for 50 cycles, 11,000 for 50 cycles
  - 7,000 lbs for 2 cycles, 9,000 lbs for 2 cycles

## MATERIALS

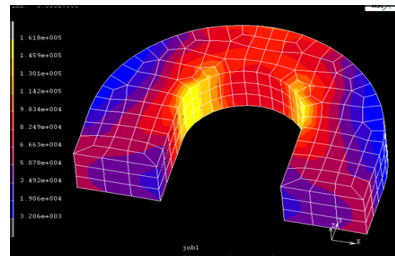
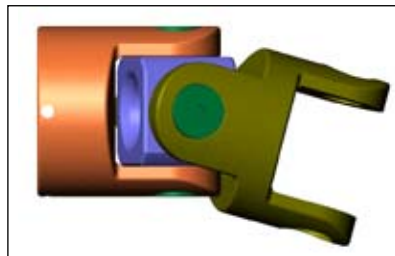
- Titanium, 17-4PH, Bronze or other housing
- Elastomer: Polyurethane

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*Dynamic cyclic bend of Bend Restrictor connector over 0.9m (36") diameter sheave*

## DESIGN ELEMENTS



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