UNIVERSAL JOINT BEND RESTRICTOR CONNECTOR

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 M55, 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 M55, MINI-CON and Micro MINI-CON series of dry mateable 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

Universal Joint Bend Restrictor (un-mated half)
Dynamic cyclic bend of Bend Restrictor connector over 0.9m (36") diameter sheave

DESIGN ELEMENTS

QUALITY

- **SEACON** operate a Quality Management System accredited to ISO 9001:2008.

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