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Ultra iMODULAR Bend Stiffener (BS)

The Ultra iMODULAR Bend Stiffener, when compared to a traditional BS, is designed to be delivered in two or more modules. Each module is vertically split into 3 segments, which allows field installation in both a horizontal and vertical position. The modules are connected using titanium flanges, and the segments are connected by means of a titanium locking-key. The modular design also allows use of different polyurethane materials for each module if needed to optimize bending performance. The modular solution also gives the opportunity to differentiate each module with color-coding related to performance.

In addition, a monitoring system can be included during field installation in order to monitor and record tension and/or curvature during operation.

Advantages

- Field installed - reduced transport, handling and installation cost
- Reuse of iModular BS for comparable intervention jobs
- Lower risk of damages /injuries during handling and transport
- Reduced lead/delivery time due to molded in segments
- Option: curvature monitoring embedded into an abrasion sheath

Layout (BS in 3 modules)

