

Offshore Oil & Gas Operator Cuts VBR Installation Time 40%

THE PROBLEM

In the offshore oil and gas industry, a prominent client struggled with their traditional bolted Vertebrae Bend Restrictors (VBRs). With over 200 components, installations were time-consuming and costly, often leading to project delays. During a critical installation, the crew faced significant challenges:

- **Installation Delays:** The complex assembly took multiple days, straining timelines and budgets
- **Escalating Costs:** Prolonged labor led to increased expenses and potential penalties
- **Safety Risks:** Managing numerous small parts heightened the risk of errors

“We were more focused on assembling hardware than getting the job done”

CREW LEADER

THE SOLUTION

To address these issues, the client collaborated with MPC to implement Boltless Clip VBRs. Key features included:

- **Streamlined Design:** Reduced piece count from 222 to 42, simplifying logistics and minimizing risks
- **Rapid Installation:** Required only a dead blow hammer and an allen key, drastically cutting assembly time
- **Proven Performance:** Retained the critical geometry for effective cable protection

MARKET

Energy Offshore

SOLUTION

Protection & Dampening

PRODUCT

Vertebrae Bend Restrictors

TECHNICAL SPECIFICATIONS

COMPONENT
Boltless Clip VBR

APPLICATION
Subsea cable protection

PIECE COUNT
42, down from 222

GEOMETRY
Critical bend geometry retained

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— THE RESULT

The installation of the new boltless clip VBRs transformed the project:

- **40% Faster Installation:** Tasks that took days were completed in hours, meeting deadlines
- **Cost Savings:** Reduced labor costs allowed for budget reallocation to other project needs
- **Enhanced Safety:** Crew members felt more confident with fewer components to manage

The client standardized the use of boltless VBRs for future projects, strengthening their partnership with MPC and enhancing their operational efficiency.

40%

FASTER INSTALLATION

222 → 42

PIECE COUNT PER ASSEMBLY

2

TOOLS NEEDED TO INSTALL

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