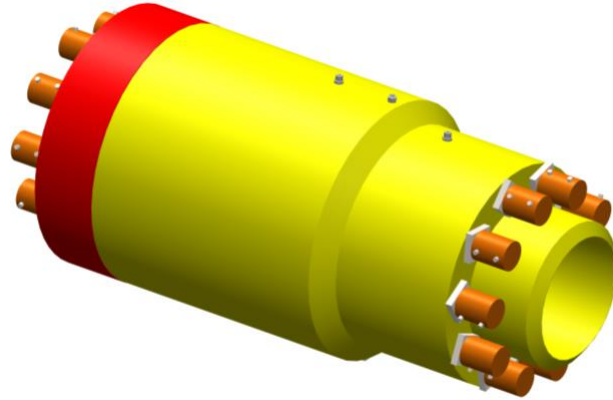


## Titan Diverless Mechanical Connector

### Product Description:

The Titan Diverless Mechanical Connector (DMC) attaches to a pipeline in water depths or conditions beyond the capacity of diver intervention. The DMC is operated by a remote operated vehicle (ROV) via a hydraulic interface panel attached to the connector. When actuated, the DMC structurally attaches and seals on the OD of the pipeline.



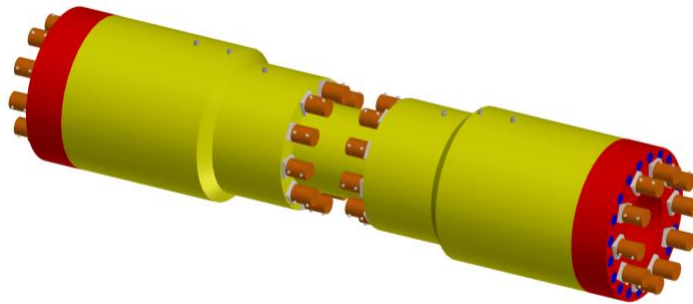
### Design Features and Benefits:

Consistent with Titan's design philosophy of drawing on the industry's previous experience and success with subsea pipeline equipment, all features and functions of the DMC are based on proven subsea technologies. The design and development of the DMC simplifies the setting and locking mechanisms of the connector to achieve a robust and reliable design for diverless applications.

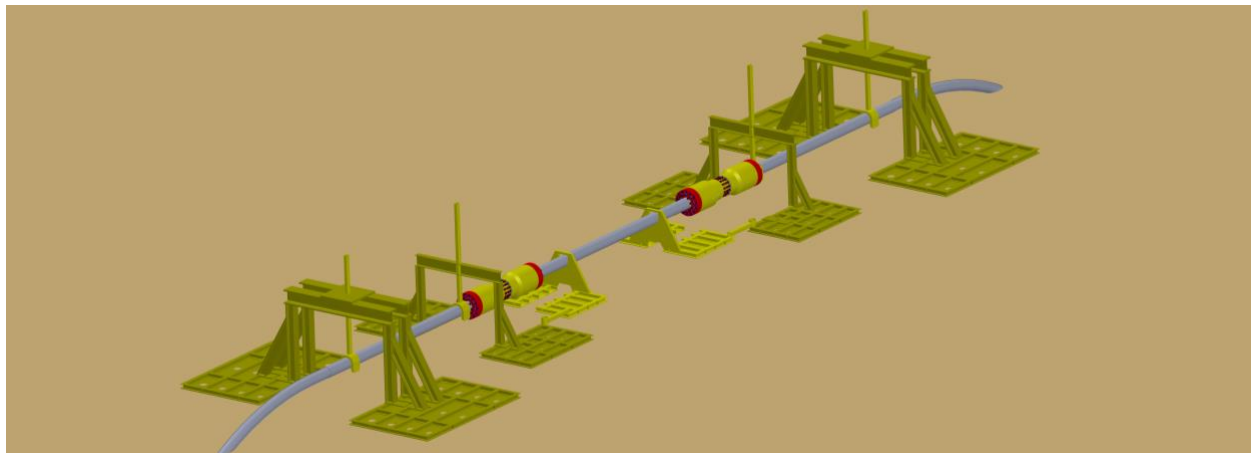
- **Gripping System** – The design basis of the collet gripping mechanism that attaches the connector to the pipeline is identical to Titan's proven shallow water mechanical end connector (TMC).
- **Sealing System** - The mechanically energized dual inboard Viton seals of the DMC allow for an **Annulus Seal Test Feature** to facilitate a seal verification test between the connector and the pipeline after the connector has been installed.
- **Increased pipe ovality tolerance** - The connector bore is designed with a large radial clearance to the pipeline to ensure easier installation of the connector in the subsea environment.
- **Setting System** - The hydraulic setting of the DMC allows for initial actuation of the gripping mechanism on the pipe to centralize the connector followed by actuation of the sealing mechanism. Upon hydraulic actuation, the grips and seals are mechanically locked in place.
- **Reversibility** - All functions of the setting and testing of the DMC are reversible so that the connector can be unset and removed if required.

## Diverless Mechanical Connector Configurations

The DMC can be configured as a single connector for various tie-in and repair scenarios for both horizontal and vertical applications. The DMC can also be configured as a dual version to effectively serve as a pipe to pipe coupling for use in deepwater horizontal pipeline repairs.



For diverless pipeline repair systems, Titan can supply all pipe lift frames and other associated installation structures to support the completion of a horizontal pipeline repair with the Titan Diverless Mechanical Connector.



### Technical Specifications:

- ASME Section VIII Div. 1 and 2, API 6H, DNV RP-F113 compliant design as applicable
- Inboard seals and outboard grips for NACE compliance
- NACE pressure containing component

Titan Subsea Innovations, LLC invites you to [contact](#) us for your next subsea pipeline project, and experience the professionalism, knowledge, and dedication that exemplifies the Titan Team.