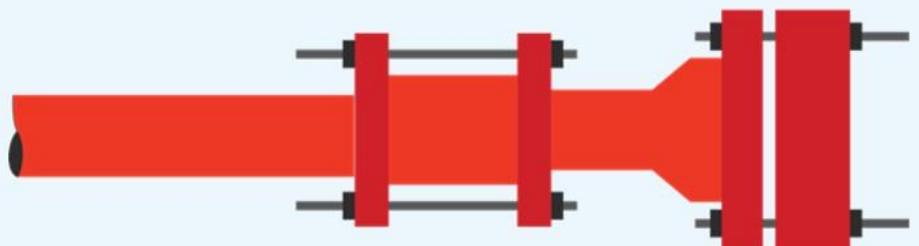




Healing Pipeline since 1969



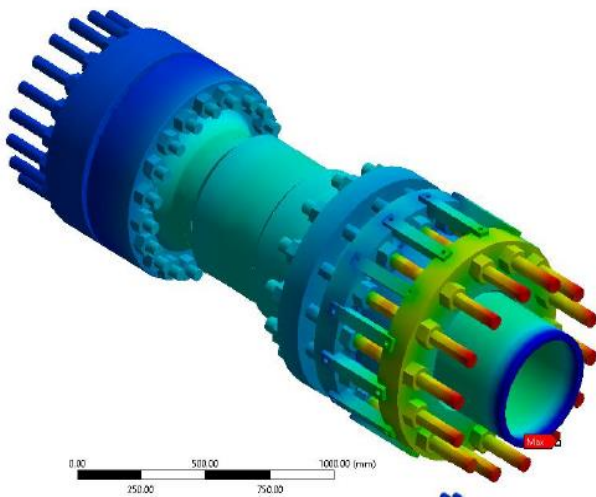
**VKVC PIPELINE**  
**CONNECTORS**  
**SUB-SEA APPLICATION**



**AN Ex-ONGCian Enterprise**



# VKVC PIPELINE CONNECTORS SUB-SEA APPLICATION



Subsea pipelines play a crucial role in the transportation of oil and gas from offshore wells to onshore processing facilities. VKVC connectors are designed to provide a quick and reliable method for tie-in and repair of subsea pipelines.

VKVC Subsea Mechanical Pipeline Connectors are used for the tie-in and repair of subsea pipelines and risers. Avoiding hyperbaric welding for joining two subsea pipelines is an advantage most subsea pipeline operators are in the lookout for.

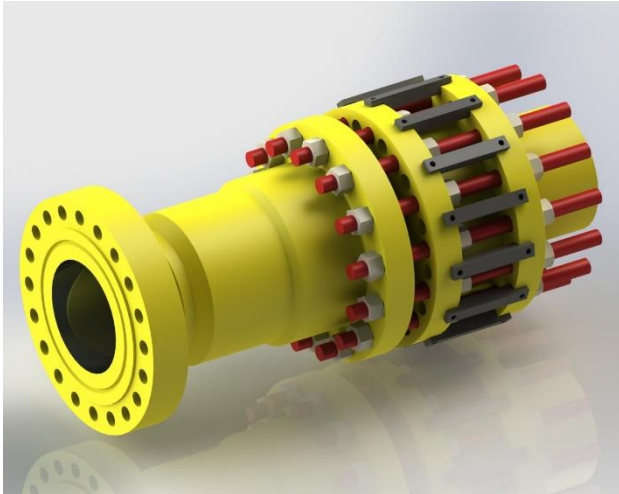
One of the key benefits of VKVC Subsea Mechanical Pipeline Connectors is their ease of installation. In the event of a pipeline failure, the damaged section of the pipeline can be quickly isolated and the repair connector can be attached to the ends of the remaining sections of the pipeline.

This allows the pipeline to be repaired quickly and with minimal disruption to production.

Another advantage of VKVC Subsea Mechanical Pipeline Connectors is their versatility. They can be used to repair a wide range of pipeline sizes and types. Additionally, VKVC Subsea Mechanical Pipeline Connectors are designed to be long-lasting and durable. They are manufactured to withstand the harsh conditions of the underwater environment, including high pressure, corrosive seawater, and extreme temperatures. This ensures that the repaired pipeline will be able to function effectively for a long time after the repair has been completed.

**Material:** Subsea pipeline connectors are typically made from high-strength materials such as steel or composite materials, which are able to withstand the harsh conditions of the underwater environment.





### Connector Configurations:

- Flanged end - This is the most common end configuration for pipeline connectors.
- Misalignment end – An operator friendly end connection. This type of flange provides a solution for repairing pipelines in remote or inaccessible locations, where realigning the entire pipeline is not practical. This type of flange is designed to accommodate slight variations in the orientation of the two sections of the pipeline, making it a useful solution for repairing pipelines that have become misaligned due to shifting or settling.
- Swivel end – Allows for the hole to hole misalignment match. The swivel joint allows for rotation between the two sections of the pipeline, while the flange provides a secure and leak-free connection.





## Applications

- Subsea Pipeline Section Repairs
- Valve Installation
- Pipeline Modification & Rerouting

## VKVC Key Features

- Type Test Approved
- Applicable Specifications & Standards ASME Boiler and Pressure Vessel Code, Section BPVC Section VIII Div 1, API 5L, Specification for Line Pipe, ASME B16.5, Pipe Flanges and Flanged Fittings, ASME B31.8, Gas Transmission and Distribution Systems, ASME B31.4 Pipeline Transportation Systems for Liquid Hydrocarbons, API 6H Specification on End Closures, Connectors and Swivels
- In-house seal manufacturing facility
- Annulus test port for testing facility between the two seals
- Gripping mechanism allows for uniform circumferential grip avoiding excessive stresses on host pipe.
- Forged body making it stronger and more resistant to damage compared to other materials.

