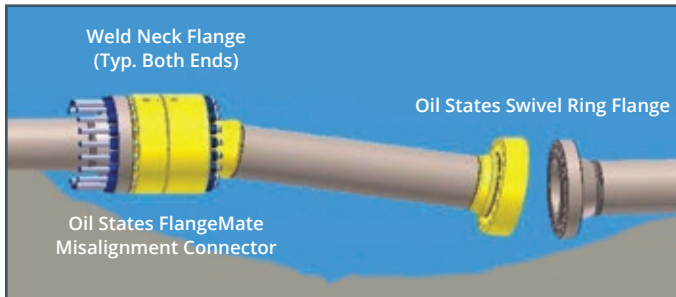


SUBSEA PIPELINE SYSTEMS FLANGEMATE Misalignment Connector

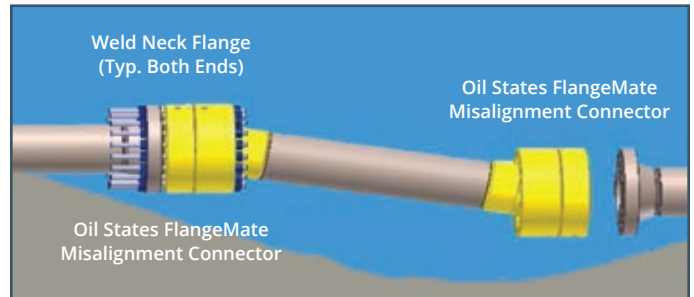
Typical Spool Piece Tie-ins



FlangeMate x Swivel Ring Spool

Provides bolt hole alignment and limited angular alignment

Recommended Spool Piece Tie-ins



FlangeMate x FlangeMate Spool

Provides bolt hole alignment and maximum angular alignment

DESIGN FEATURES & BENEFITS

- Angular adjustment of $\pm 10^\circ$ (20° total misalignment)
- Bolt hole rotation which aligns the bolt holes of the weld neck flange to facilitate rapid bolt insertion
- Repeatable, integral metal-to-metal seal
- Integrated annulus test port and seal test feature
- Enhanced wiper seal system isolates the metal seal area from contaminants
- Accommodates high-capacity flange spreader loading
- ASME compliant

