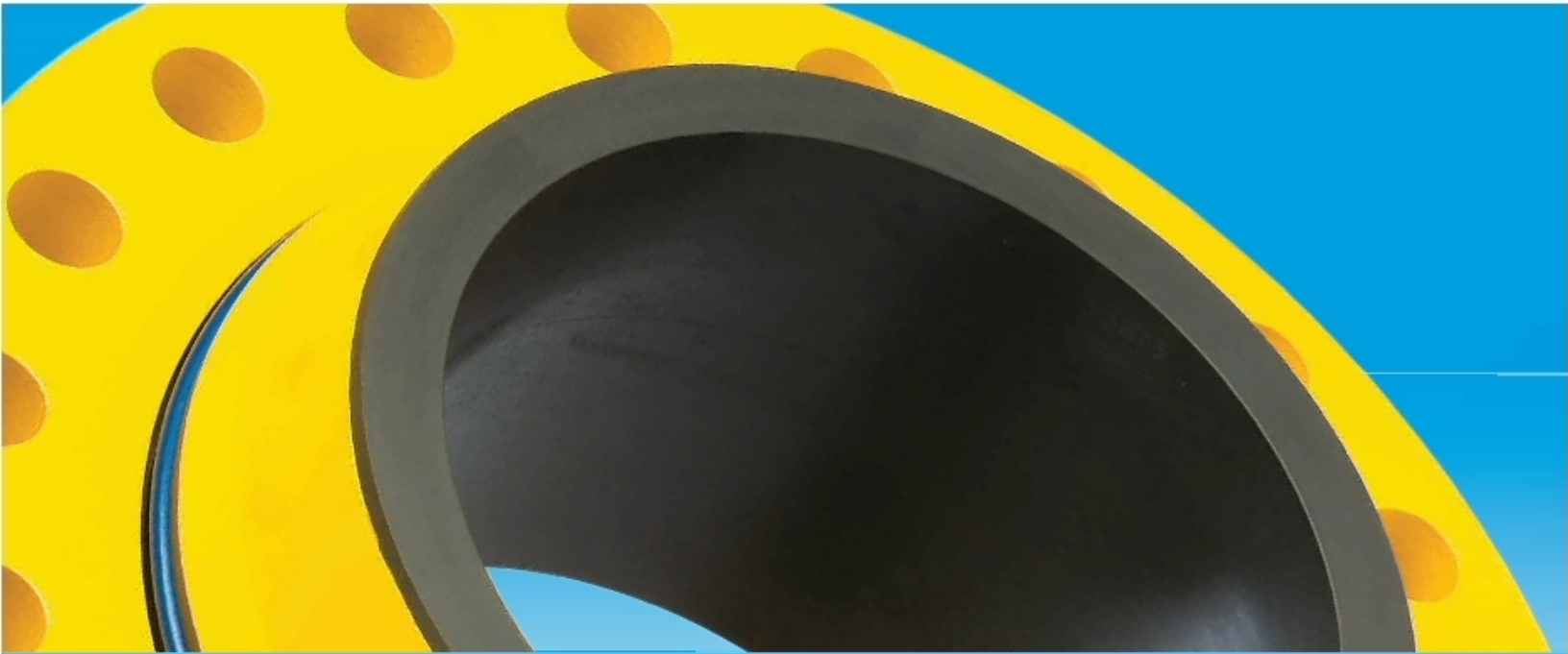




SUBSEA PIPELINE TECHNOLOGY

Swivel Ring Flange



Swivel Ring Flange

The Oil States - QCS **Swivel Ring Flange (SRF)** is the most commonly used flange for shallow water pipeline repairs. The SRF allows the diver to line up bolt holes with the mating weld neck flange. This significantly reduces the time needed to complete the repair operation.

The SRF utilizes a spring steel retainer ring to capture the rotating flange component of the connector, thus eliminating welded retainers and permitting the removal of the retainer ring. This also makes it possible to clean and lubricate the swivel ring interface between the hub and flange after fabrication and coating to ensure easy rotation during installation.

Oil States - QCS has installed swivel ring flanges in sizes from 2" - 42". Stock inventory is available in sizes 2" - 30" for immediate delivery. Additional sizes are available upon request.



 **Oil States**™
OIL STATES INDUSTRIES, INC.



SUBSEA PIPELINE TECHNOLOGY

Swivel Ring Flange

Key Features

- Simple design facilitates bolt-hole alignment.
- Spring retainer eliminates welded retainer components.
- Removable retainer allows for cleaning and lubricating of the hub-to-flange interface.
- Thicker flange ensures ability to handle higher-stress loads, which some brands fail to meet.
- Fully compliant with ASME, Section VIII

Applications

- Pipeline repair operations – shallow water, diver assist
- Pipeline new construction for tie-in point – shallow water, diver assist

Services

- Engineering design
- Testing – FAT, SIT design qualification
- Coatings
- Installation technical assistance

About Oil States - QCS

A division of Oil States Industries, Inc., Houston-based Oil States - QCS designs, manufactures and markets proprietary deep and shallow water pipeline connectors for subsea pipeline construction, repair and expansion projects.



www.oilstates.com

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