




OCS-H horizontal clamp connection system

Reduces the total cost of ownership of subsea connection systems

-  **Pressure:**
Up to 15,000 psi [103 MPa]
-  **Water depth:**
Up to 10,000 ft [3,048 m]
-  **Temperature:**
-20 to 305 degF [-29 to 151 degC]

Applications

Shallow and deep water

How it improves operations

The clamp connection system's ease of installation reduces the total cost of ownership. Suitable for multiple pipe sizes ranging from 4- to 32-in nominal pipe size (NPS), the OCS-H* horizontal clamp connection system features

- compact design and reduced hub-to-hub distance to reduce weight and cost of structures
- minimal tie-in tooling, requiring only an ROV-operated torque tool and a stroking tool
- ROV fly-to-place tooling that enables the use of smaller vessels for intervention operations and eliminates the use of downline
- proprietary dual-metal gasket (DMG) to provide a metal-to-metal secondary barrier delivering reliable sealing technology
- wet-parking capability of jumper for host structure retrieval
- modular design for independent retrievability of components that can be reused across multiple connections
- backseat-testing capability.

How it works

The inboard receiver structure is mounted to the subsea host structure. The outboard receiver connector is mounted to the end termination of either rigid or flexible jumpers and subsea flowlines.

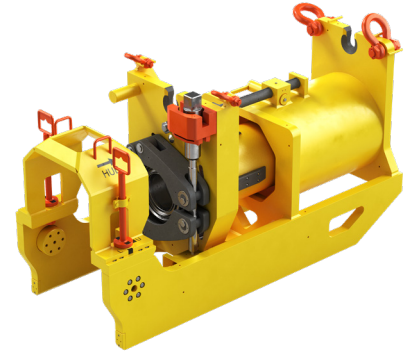
What it replaces

Conventional connection systems with large, complex, and expensive installation or intervention tooling; elastomer secondary seals; and prolonged maintenance and storage requirements.

Additional information

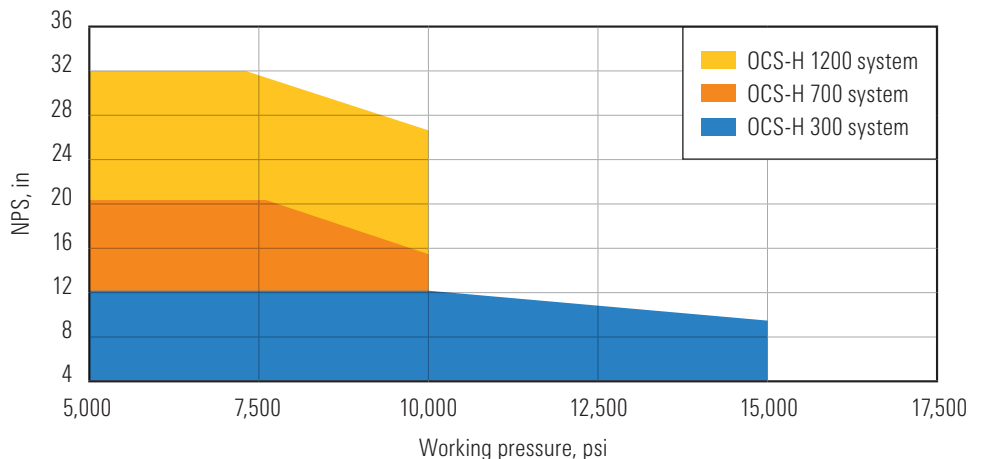
The OCS-H horizontal clamp connection system is smaller and lighter than conventional systems, making it faster to install with minimal operational sequences. The clamp connection system has a high structural capacity capable of accommodating a wide range of applications and has undergone an extensive qualification and verification testing program.

Configurations are available for monobore, multibore, rigid, flexible, and umbilical termination applications.



Outboard receiver structure of the OCS-H horizontal clamp connection system.

OCS-H Horizontal Clamp Connection System Specifications	
Water depth	Up to 10,000 ft [3,048 m]
Temperature	-20 to 305 degF [-29 to 151 degC]
Pressure	Up to 15,000 psi [103 MPa]
NPS	4 to 32 in
Sealing technology	DMG
Sealing internal diameter	Up to 30.125 in
Backseat-testing capability	Inboard ROV panel with isolation valve
Running tool type (clamp operations)	Class 7 torque tool



OCS-H system pipe size per working pressure.

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