**OCS-V vertical clamp connection system**

Reduces the total cost of ownership of subsea connection systems

- **Pressure:** Up to 20,000 psi [138 MPa]
- **Water depth:** Up to 10,000 ft [3,048 m]
- **Temperature:** −50 to 400 degF [−45 to 204 degC]

**Applications**
- Shallow and deep water
- HPHT conditions

**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 20-in nominal pipe size (NPS), the OCS-V* vertical clamp connection system features

- a 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
- ROV fly-to-place tooling that enables the use of smaller vessels for intervention operations and eliminates the use of downlines
- proprietary dual-metal gasket (DMG) to provide a metal-to-metal secondary barrier to withstand HPHT conditions, delivering reliable sealing technology
- 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-V vertical 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, rigid, and flexible applications.

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**OCS-V Vertical Clamp Connection System Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>OCS-V 700 system</th>
<th>OCS-V 300 system</th>
<th>OCS-V 200 system</th>
<th>OCS-V 100 system</th>
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<tbody>
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<td>Nominal pipe size (NPS)</td>
<td>4 to 20 in</td>
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<tr>
<td>Sealing technology</td>
<td>DMG</td>
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<tr>
<td>Sealing internal diameter</td>
<td>Up to 18.125 in</td>
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<tr>
<td>Backseat-testing capability</td>
<td>Outboard ROV panel with isolation valve</td>
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<td>Running tool type (clamp operations)</td>
<td>Class 7 torque tool</td>
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**OCS-V system pipe size per working pressure.**

*[Mark of Schlumberger]*

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