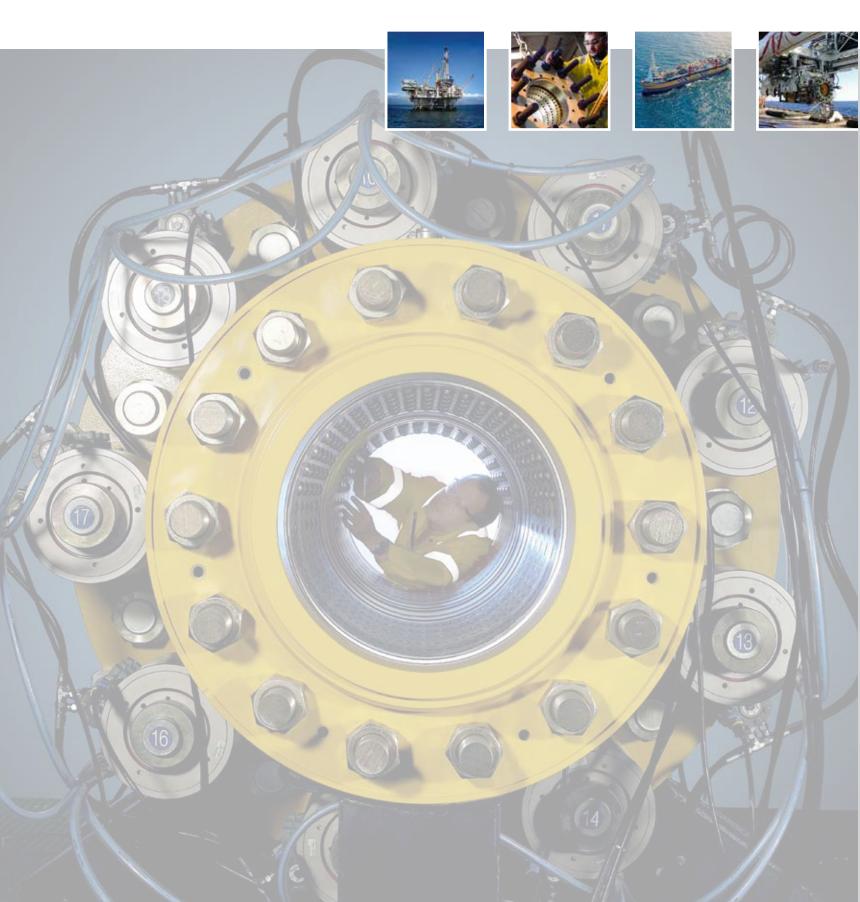
hydra<mark>tight</mark>

Mechanical Connectors



Who We Are

One Company, Total Support, Complete Solutions

Over many years, Hydratight has provided world-class bolted joint solutions and continues to set international standards in joint integrity for its customers on a global scale.

Hydratight works in partnership with the world's leading OEMs using the latest computer technology and market leading development facilities. We continue to push back the boundaries of technology to provide fast, accurate and reliable solutions to critical assembly problems.

Our people are the key to our success: qualified, competent and innovative people, working closely with our customers ensuring a total understanding of their requirements.

One Company - Meets Standards

Totally committed to safety and quality, all Hydratight products and services are designed, manufactured and carried out within a management system in accordance with ISO 9001: 2008 (Quality Management), ISO 14001: 2004 (Environmental Management) and OHSAS 18001:2007 (Occupational Health and Safety).

Our extensive bolting and machining services include:

- Torque and tension bolting equipment
- · Portable machining equipment
- · Product sales, rental and technical support
- · Product service and training
- · Special designs and alternative sizes are available upon request

Hydratight's Mechanical Connectors

Our range of Mechanical Connectors provides high integrity connections for all types of metal pipe work, onshore, offshore and subsea. Used to replace the need for welding, they are based upon a unique pipe gripping and sealing system which allows the connectors to withstand high internal pressure and external load conditions.

For additional specifications on our products for sale or rental, videos of our products in action, or information about our on-site services, please visit us on the web at hydratight.com.









Engineering Driven Safety Focused Solutions













Hydratight Mechanical Connectors

Hydratight Mechanical Connectors are equal in strength and performance to that of a welded connection. They are suitable for any application where a weld would be a traditional solution, providing the same safety, strength and reliability. Hydratight's Mechanical Connectors have a 100% leak-free in-service record.

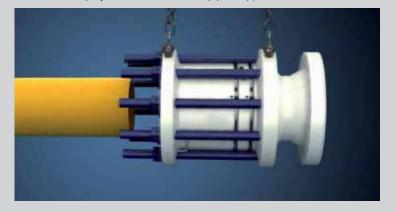
Mechanical Connector Installation

Mechanical Connectors from Hydratight are available in a variety of formats, including standard flange termination and the unique pipe-to-pipe direct coupling connector. All formats suit specific applications, whether for use on carbon steel, stainless steel or duplex pipes. The following illustrates the steps to follow for a pipe-to-pipe installation.



Scan to view demo video.

Step 2
Connectors deployed and stabbed onto pipeline(s).



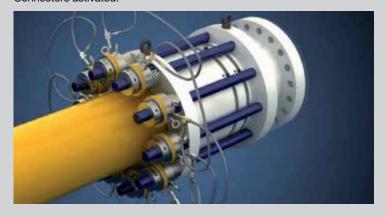
Step 4New spool piece positioned.



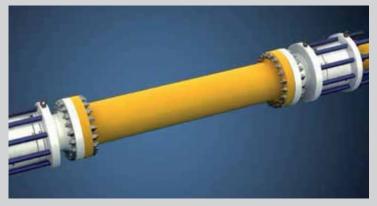
Step 1
Leak located and isolated, damaged section of pipeline is cut

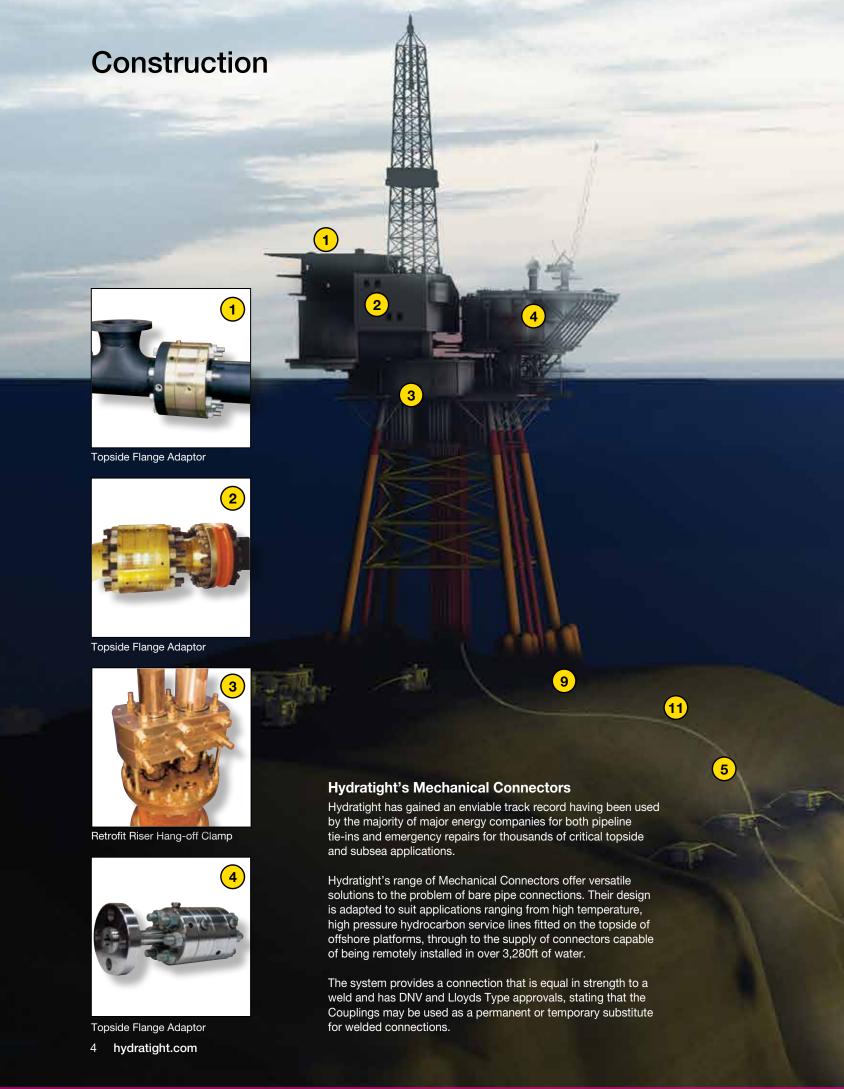


Step 3Connectors activated.



Step 5
Spool piece connected to Mechanical Connectors.

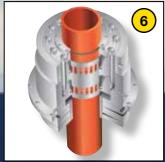




Capability



Subsea Flange Adaptor



Steel Catenary Riser Clamp



Steel Catenary Riser Clamp



Subsea Coupling



8

Subsea Flange Adaptor

The continued development of Mechanical Connector technology has enabled Hydratight to expand its product range to include Riser Hang-off Systems, Remote Bolting Systems and Repair Sleeve Clamps.



Riser Systems

Hydratight's range of Riser Hang-off Systems provide hang off solutions for pre-stressed, retrofit, turret based and steel catenery applications.

The pre-stressed hang-off allows high temperature, high load risers to be locked in position at the hang-off point to minimize load transfer effects.

The retrofit system has the ability to lock rigid risers in position as they are pulled through existing or pre-installed j-tubes on a fixed platform.

For turret based FPSOs, Hydratight offers a hang-off which enables the flexible riser to be pulled into and locked in the turret before the riser is released and pulled through to its upper connection.

The increased use of steel catenery risers for deepwater applications has led to Hydratight developing a rotary hang-off system.

Remote Technology

The oil and gas industry's requirement to develop deepwater fields has enabled Hydratight to further develop its remote technology. This generation of remote Mechanical Connectors has led to the development of remote bolting systems, which allow both Connectors and Clamps to be bolted securely without the need for diver intervention. These diverless repairs have been performed on pipelines with a diameter of up to 30", however the technology has full approval for up to 42" diameter.

Repair

Hydratight's innovative designs have produced a pipe connection which is equivalent in strength and sealing performance to that of a welded joint. This can be reliably achieved without hot work and far more safely, simply and quickly than a welded joint.





GLOBAL STANDARDS LOCAL DELIVERY

Our global network means you can rely on the right people, products and services wherever you are in the world.

Email us at: aoyarzun@flowvalve.cl or visit: WWW.FLOWVALVE.CL





