

# Morgrip *Products*



Innovative Pipeline Products



**HYDRATIGHT**  
**SWEENEY**



# Innovative Pipeline Products



**Hydratight Sweeney Limited is a dynamic innovator of engineering solutions to its customers' problems in the field of mechanical jointing and coupling.**

The company offers a comprehensive range of quality products and services worldwide, supported by strong, experienced engineering teams.

Since developing the technology of hydraulic bolt tensioning some 20 years ago to solve the problem of leaking joints, Hydratight Sweeney Limited has continued to push back the technological frontiers with many new and innovative engineering products for Bolting, Joint Integrity and Pipe Connection and Repair systems.

## HYDRATIGHT SWEENEY

### QUALITY & SAFETY

HYDRATIGHT SWEENEY is totally committed to quality and safety. All products are designed and manufactured and service activities carried out within a quality management system in accordance with ISO 9001. The company has also been awarded a highly prestigious 4 star award for safety by The British Safety Council.

Our continuous emphasis on research and development enables us to continue to offer engineering solutions throughout the world.



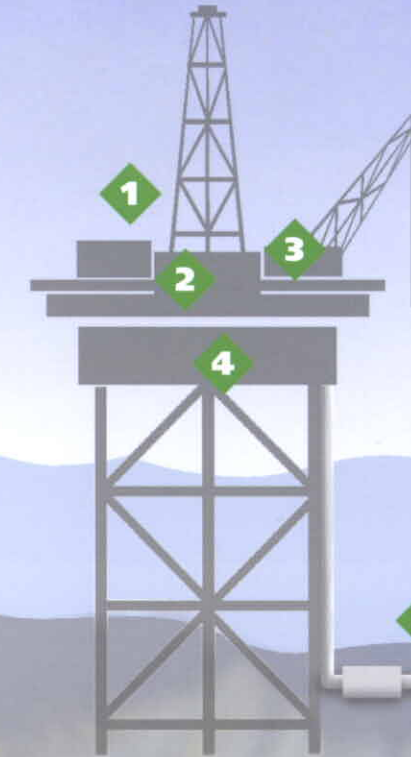
# Construction:-

## MORGRIP WELDLESS MECHANICAL CONNECTORS

The MORGRIP connector has gained an enviable track record having been used by the majority of major energy companies for both pipeline Tie-in's and Emergency Repairs.

The MORGRIP range of connectors offers versatile solutions to the problem of bare pipe connection. Its design is adapted to suit applications ranging from high temperature, high pressure Hydrocarbon service lines, fitted on the Topside of offshore platforms, through to the supply of connectors capable of being remotely installed in over 1000 meters of water.

The system provides a connection that is equal in strength to a weld and has DNV and Lloyds Type approvals stating that the couplings may be used as a permanent or temporary substitute for welded connections.



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# Capability:-

## RISER SYSTEMS

HYDRATIGHT SWEENEY'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 minimise 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 SWEENEY offer a hang off which enables the flexible riser to be pulled into and locked in the turret before the flexible is released and pulled through to its upper connection.

The increased use of Steel Catenery Risers for deepwater applications has led to HYDRATIGHT SWEENEY developing a Rotary Hang Off System in conjunction with Coflexip Stena Offshore Limited.



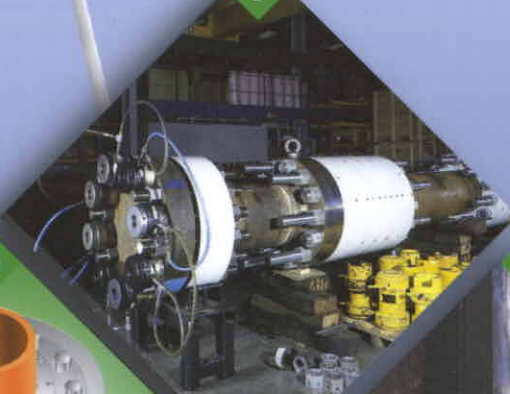
“ The continued development of the MORGRIP technology has enabled HYDRATIGHT SWEENEY to expand its product range to include Riser Hang Off Systems, Remote Bolting Systems and Repair Sleeve Clamps. ”



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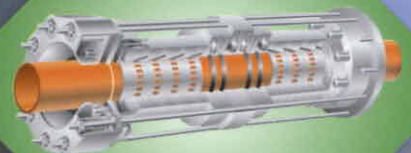
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# Repair:-

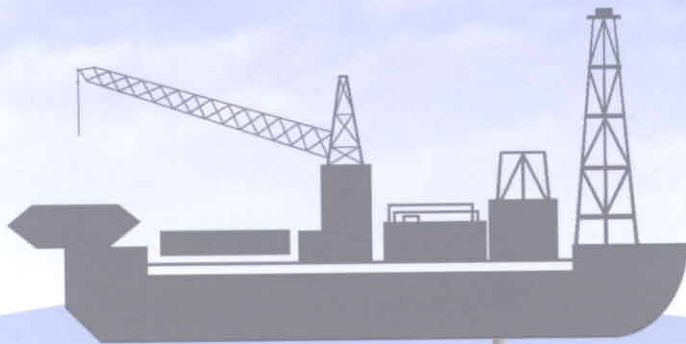
## REPAIRS

Although MORGRIP is now used extensively on new construction projects, the connector was initially developed for and is still widely used for pipeline repairs.

The versatility of the connectors' design enables it to be used in many different scenarios, whether making a bare pipe repair or inserting flanged spools.

As well as providing connectors for permanent pipeline repairs, HYDRATIGHT SWEENEY have a range of temporary repair clamps, capable of sealing minor pipeline leaks or restoring the structural integrity of damaged or corroded pipes.

MORGRIP is now the accepted and preferred repair system for many oil & gas operators world-wide. The industry's confidence in the products and capability has led to Hydratight Sweeney Limited establishing an Emergency Pipeline Repair Club for North Sea Operators.



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## REMOTE TECHNOLOGY

The oil and gas industry's requirement to develop deepwater fields has enabled HYDRATIGHT SWEENEY to further develop its remote technology. The new generation of remote MORGRIP 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.

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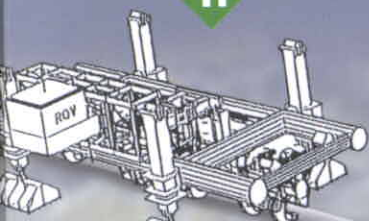
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# The company



## MORGRIP PRODUCTS

MORGRIP is a range of Weldless Mechanical Couplings which provide high integrity connections for all types of metal pipe work, on-shore, off-shore and subsea. They are based upon a unique and patented pipe gripping and sealing system which allows the couplings to withstand high internal pressure and load conditions.

## HYDROCARBON

Hydratight Sweeney Limited is a world leader in providing joint integrity solutions to the oil, gas and petrochemical industries. Offering product sales, rentals and onsite services both in the home markets and through its extensive worldwide agency network, HYDRATIGHT SWEENEY combines innovative management practices with a unique range of products and services to provide the lowest total cost solution.

Building upon the Company's unique experience in bolt tensioning, torquing and

on-site machining, together with a pool of skilled site technicians, HYDRATIGHT SWEENEY now offer an unrivalled range of products and services to ensure minimum cost/minimum time solutions in the construction and maintenance of process plant and pipe work.

## POWER GENERATION

The Power Generation division provides products and services developed by HYDRATIGHT SWEENEY which are now common place within the industry, including hydraulic tensioning of bolting on gas and steam turbines and manway covers on nuclear steam generators.

## GENERAL ENGINEERING

Our General Engineering division provides a uniquely comprehensive range of bolt and stud tightening and load monitoring products and services for all major capital plant including diesel engines, mining machinery, presses, pumps and steel mills.

## The company

...Hydratight Sweeney Limited is a dynamic innovator of engineering solutions to its customers problems in the field of mechanical jointing and coupling. The company offers a comprehensive range of quality products and services worldwide supported by strong experienced engineering teams...

## The partnership

...Hydratight Sweeney Limited works in partnership with its customers to provide innovative improvements in technology which reduce downtime and minimise cost...



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