

# TOPSIDE AND ONSHORE CONNECTORS

## PRODUCT GROUP

## MORGRIP CLAMPS & CONNECTORS



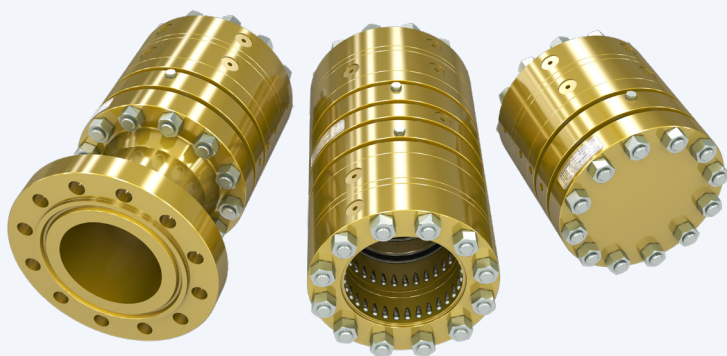
## PRODUCT DESCRIPTION

MORGRIP Onshore & Topside Connectors enable pipework to be joined or terminated in a flange or end cap, without the need for welding or hot work.

The unique gripping and graphite sealing technology ensures a connection that is at least as strong as the pipe itself, outperforming quality welds in fatigue loading.

A DNV-GL Type Approved product, MORGRIP enables a certified permanent repair for a wide range of pipe material, pressured, diameter and temperatures.

With over 3000 supplied since the 1980's MORGRIP retains a 100% in-service leak free record. These products are quick and easy to install significantly reducing shutdown windows and associated operational costs.



## CAPACITIES

<b>Pipeline size</b>	1/2in to 42in
<b>Material</b>	Carbon steels, stainless steels, duplex steels
<b>Temperature</b>	-40degC to 250degC
<b>Working Pressure</b>	Up to and including ANSI 2500 rating (638bar test pressure)

*For applications outside of this scope, bespoke engineered solutions are available.*

## INTERFACES

<b>Activation</b>	Hand torque tools or bolt tensioners
<b>Seal Material</b>	Dual graphite
<b>Back Seal Pressure Test</b>	Yes
<b>Lifting points</b>	Eye bolts or swivel hoist rings
<b>Configurations</b>	Coupling (pipe to pipe) Flange Adaptor (pipe to flange) End Cap (pipe to end cap termination) Pipe Adaptor (pipe to bespoke termination)

*see image 1*  
*see image 2*  
*see image 3*  
*see image 4*

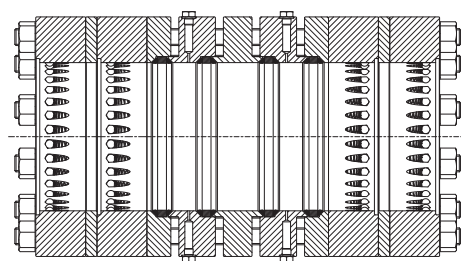


Image 1 - Coupling

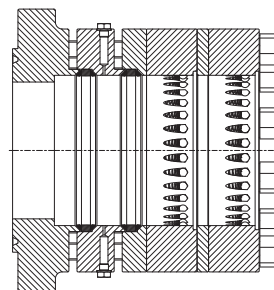


Image 2 - Flange Adaptor



### CONNECTOR SUBSEA SOLUTIONS

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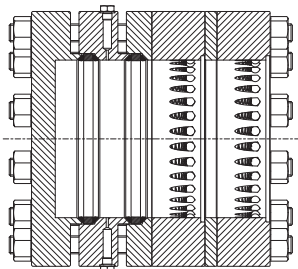


Image 3 - End Cap

## ADDITIONAL INFO

### Design code

DNVGL-ST-F101  
BS 8010  
PED compliance up to CAT III  
ASME BPVC VIII Div.1  
ASME B31.3  
API 5L Line pipe specification  
ASME BPVC VIII Div.2 on request

### Coating

Zinc & Yellow

### Maintenance

Not required post installation

### Packing

Wooden shipping crates or steel shipping frames

### Design Life

40 years

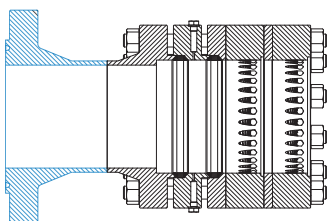
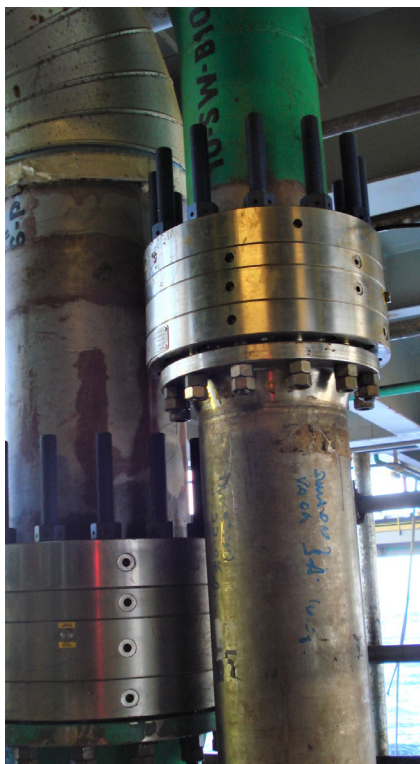


Image 4 Pipe Adaptor  
(terminated in bespoke flange)



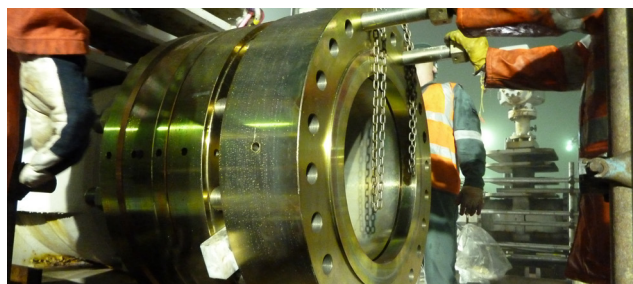
01 // Factory acceptance testing



02 // Vertical application



03 // Offshore installation



04 // Onshore installation



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