

# HOT TAP TEE CLAMPS

## PRODUCT GROUP

## MORGRIP CLAMPS & CONNECTORS



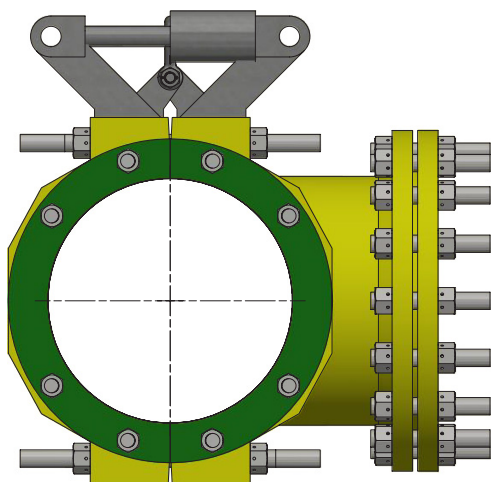
### PRODUCT DESCRIPTION

MORGRIP Hot Tap Tee Clamps are a modification of our structural repair clamps but with the addition of a flanged tee branch for the mounting of the hot tap system or pipe-line bypass.

Manufactured in two halves to enable installation on to the pipe, the sealing arrangement provides full containment around the hot tap location. The gripping section provides a fully permanent structural repair that can be DNV Product certified.

Our clamps are application specific and designed, forged and fabricated to the exact requirements of the operator and hot tap location. This bespoke service ensures a fully configurable solution of the highest quality.

Suitable for onshore, topside, diver installed or deepwater remote repair, our engineered MORGRIP clamps provide an increased level of safety and reassurance when repairing critical pipelines or being stored as part of an emergency pipeline repair system or contingency plan.



### CAPACITIES

<b>Pipeline size</b>	1/2in to 56in
<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)
<b>Installation</b>	Diver installed, WROV or fully remote

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



#### CONNECTOR SUBSEA SOLUTIONS

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01 // Clamp with anodes



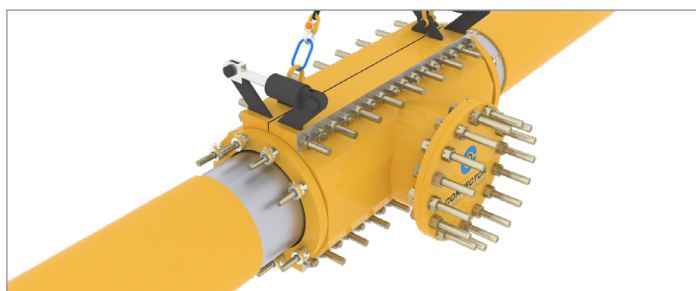
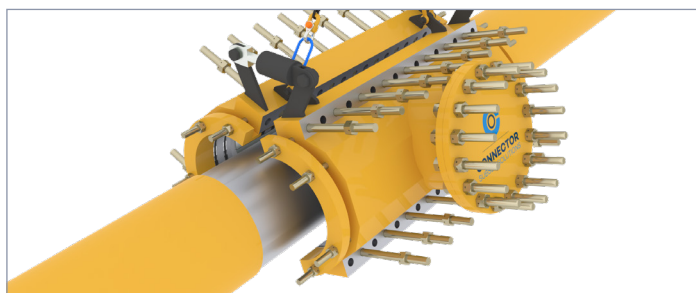
02 // Clamp with deployment frame

### INTERFACES

<b>Activation</b>	Bolt tensioners or patented C-bar system
<b>Seal Material</b>	Elastomeric or graphite
<b>Gripping Capacity</b>	Collet
<b>Back Seal Pressure Test</b>	Yes
<b>Installation</b>	Rigging or subsea deployment frame

### ADDITIONAL INFO

<b>Design code</b>	DNVGL-ST-F101/ F113 Pipeline Repair PED compliance up to CAT III ASME BPVC VIII Div. 1 ASME B31.3 API 5L Linepipe specification ASME BPVC VIII Div.2 on request
<b>Coating</b>	NORSOK M-501 System 7C & 7B Compliant
<b>Maintenance</b>	Not required post installation
<b>Packing</b>	Wooden shipping crates or steel frames



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