

SUBSEA DIVER INSTALLED CONNECTORS

PRODUCT GROUP

MORGRIP CLAMPS & CONNECTORS



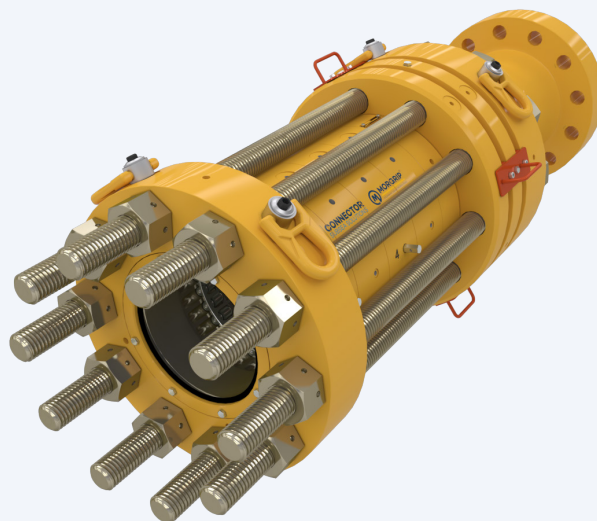
PRODUCT DESCRIPTION

MORGRIP Subsea Diver Installed Connectors enable subsea pipelines to be joined or terminated in a flange or end cap, without the need for hyperbaric welding or hot work.

With a choice of gripping and sealing technologies available, we are able to meet a wide criteria of customer needs that balance the specific application requirements with quality, cost and delivery schedule options.

For DNV-GL Type Approved products, the MORGRIP is supplied with our unique gripping and graphite sealing technology to ensure a connection that is at least as strong as the pipe itself, outperforming quality welds in fatigue loading.

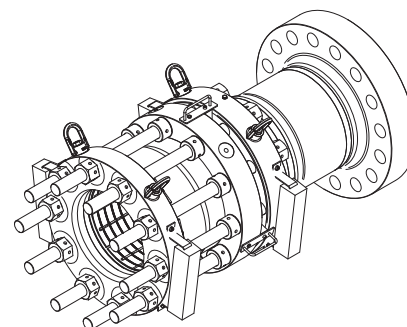
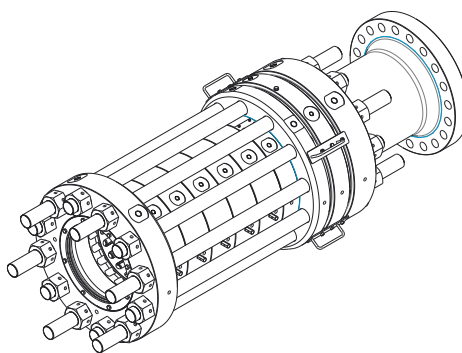
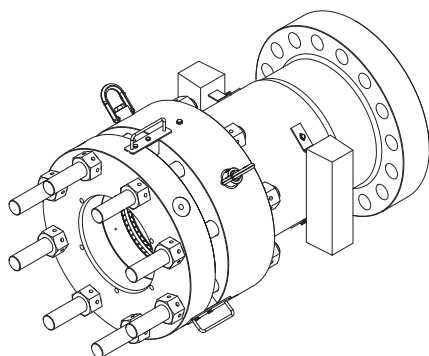
With over 3000 supplied since the 1980's MORGRIP retains a 100% in-service leak free record. These products are quick and easy to install significantly reducing shutdown windows and associated operational costs.



CAPACITIES

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

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



CONNECTOR SUBSEA SOLUTIONS

Head office: Kokstadflaten 17, 5257 Kokstad, Norway
Locations in: Brazil, UK, Croatia & Bosnia

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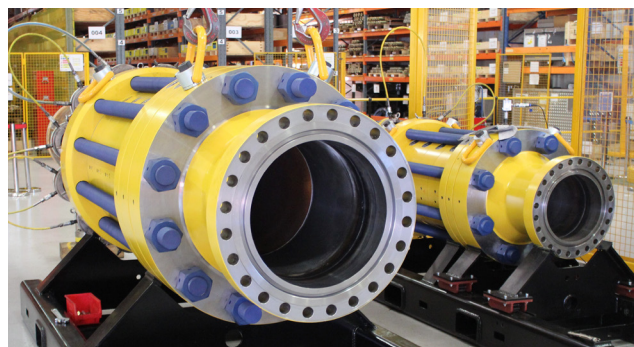


INTERFACES

Activation	Option for single or dual activation with bolt tensioners
Gripping Technology	Collet or ball & taper
Seal Material	Dual elastomeric or dual graphite
Back Seal Pressure Test	Yes
Installation	Rigging with buoyancy or subsea lifting frames

ADDITIONAL INFO

Design code	DNVGL-ST-F101/ F113 Pipeline Repair ASME BPVC VIII Div.1 ASME B31.3 API 5L Linepipe specification ASME BPVC VIII Div.2 on request
Coating	Jotamastic 87, Interzone 954 or NORSOK M-501 System 7C & 7B Compliant
Maintenance	Not required post installation
Packing	Wooden shipping crates or steel shipping frames
Design Life	40 years



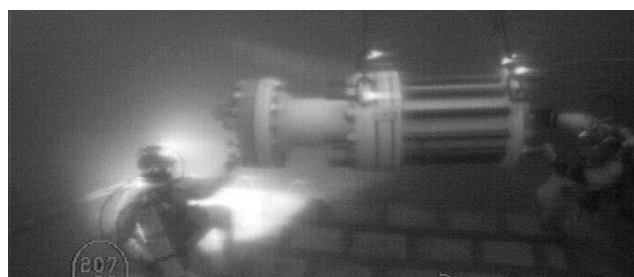
02 // Mounted on transport frames



03 // Factory acceptance testing



04 // Subsea Installation



05 // Subsea Installation



01 // Offshore mobilisation



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