

PIPELINE LIFTING & HANDLING FRAME

PRODUCT GROUP

PIPELINE REPAIR & TIE-IN



PRODUCT DESCRIPTION

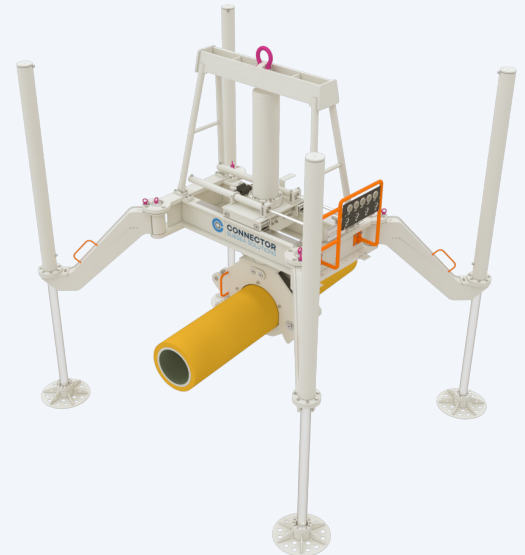
Pipeline Lifting & Handling Frames facilitate inspection, free span correction, maintenance and repair of subsea pipelines.

Incorporating a modular foot design for multiple seabed conditions and independent leg length configuration, the frame can provide secure, stable and controlled interface with the pipeline, regardless of the location, water depth or sea current.

Light weight and easy to handle, the entire Pipeline Lifting & Handling Frame can fold and pack into a standard 10ft shipping container. This makes it an applicable option regardless of vessel size or location.

With over 1000 subsea operations completed these tools are proven to be both robust and reliable, while also providing an increased level of safety and control when manipulating subsea pipelines.

These tools are available to rent as standard units or can be sold as bespoke engineered solutions to your specific application requirements.

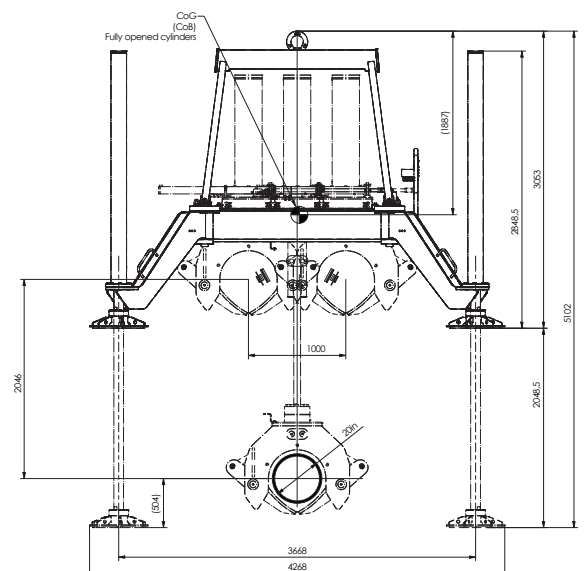


CAPACITIES

Pipeline size	4-24 in
Lifting capacity (SWL)	25 t
Lifting height	2100 mm
Reach below seabed	2000 mm
Transversal travel	± 500 mm (from centre)
Allowable slope for operation	15 deg
Water depth (m)	3000 m

DIMENSIONS & WEIGHT

Unfolded dimensions (HxWxD)	2900 x 4268 x 5102mm
Folded dimensions (HxWxD)	2900 x 2352 x 3053mm
Mass of tool	5000 kg
Weight of tool in air	49 050 N (5000 kgf)
Weight of tool in water	42 674 N (4350 kgf)



CONNECTOR SUBSEA SOLUTIONS

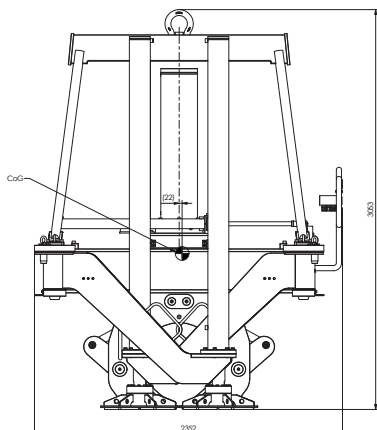
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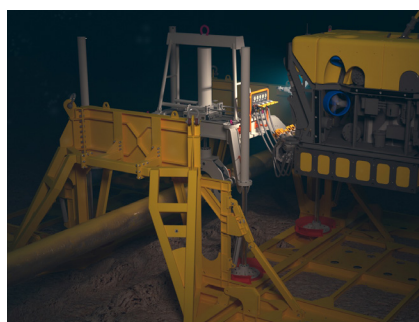
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Folded position for packing and shipping



01 // Pipeline Lifting & Handling Frame mudmat for soft seabed conditions

INTERFACES

Diver Operation	Powered through hydraulic interface
ROV operated	Compliant with CSS ROV skid and topside control system
ROV Interface Specification	4 Line stab and Receptacle, Ø35, 10k, API 17D (x4)
Max. working pressure	207 bar /3000 psi
Hydraulic oil	Shell Tellus S2 22/32 (typical) NAS8/ISO 4406 19/17/14
Installation	Deck Crane & WROV

ADDITIONAL INFO

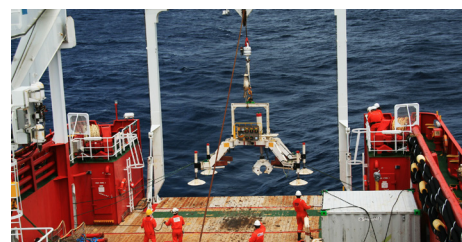
Design codes	DNVGL 2.7-3 Portable offshore units DNVGL-OS-C101 Design of offshore steel structures
Operation Class	DNV 2.7-3 R45-Sxx
Portable Offshore Unit	Type A
Coating	NORSOK 7B, Marine epoxy paint system
Cathodic protection	Yes
Packing	10 ft offshore container, open top required



02 // Factory acceptance testing through remote interface



03 // Tool folded and packed into standard 10ft shipping container ready for transport or storage



04 // Offshore mobilisation and deployment



05 // ROV footage of subsea operation


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