

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.

Lightweight 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.

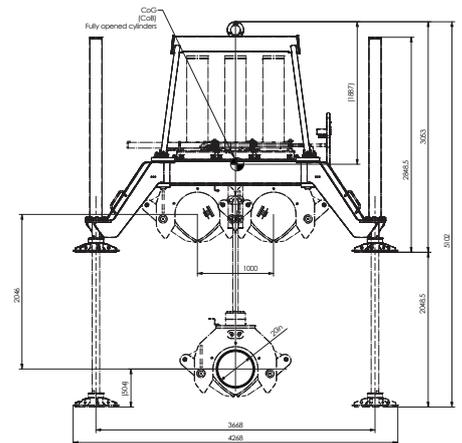
This solution provides an increased level of safety and control when manipulating subsea pipelines, reducing operational risk.

CAPACITIES

Pipeline size	4-20 in
Lifting capacity (SWL)	25 t
Lifting height (stroke of telescopic cyl.)	2046 mm
Transversal travel	± 500 mm (from centre)
Legs vertical stroke	2085 mm
Allowable slope for operation	15 deg
Water depth (m)	3000 m

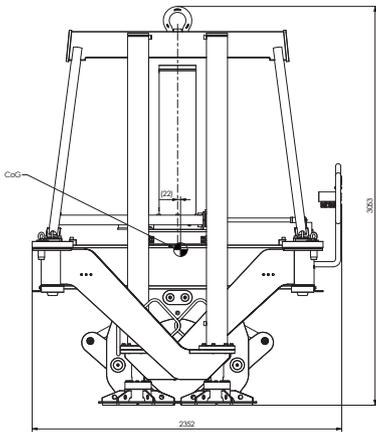
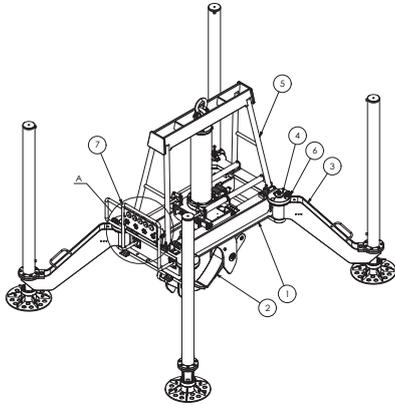
DIMMENSIONS & WEIGHT

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)



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Folded position for packing and shipping

INTERFACES

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

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01 // Factory acceptance testing through remote interface



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



03 // Offshore mobilisation and deployment



04 // ROV footage of subsea operation



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