

# PIPELINE END PREPARATION TOOLS

## PRODUCT GROUP

## PIPELINE REPAIR & TIE-IN



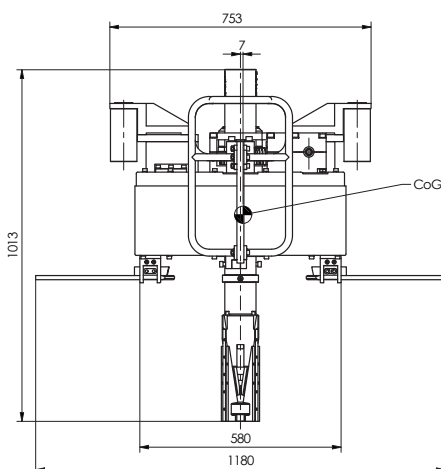
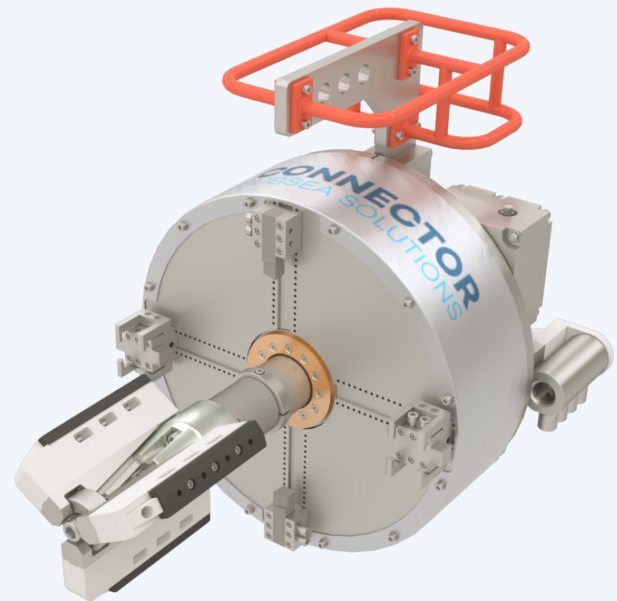
### PRODUCT DESCRIPTION

Pipeline End Preparation Tools ensure that after a subsea pipeline is cut, the end can be machined to the required tolerance for the next step in operation, whether that be the installation of a mechanical connector, end termination or weld.

A light, simple ROV dedicated tool is both quick and easy to mobilize and operate, ensuring that the pipe cut is both square and all burring removed. This assurance fully mitigates risk of causing damage to interfacing components and ensures the correct operational tolerances are achieved.

A simple tool mounting on the pipe inner diameter ensures the machining plate can be modified to suit a wide range of pipeline sizes, materials and tolerances.

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



### CAPACITIES

<b>Pipeline size</b>	6-16 in
<b>Water depth (m)</b>	3000 m

### DIMENSIONS & WEIGHT

<b>Dimensions (HxWxD)</b>	0,8 x 1,2 x 1,0 m
<b>Mass of tool</b>	270 kg
<b>Weight of tool in air</b>	2649 N (270 kgf)
<b>Submerged weight of tool</b>	2207 N (225 kgf)



#### CONNECTOR SUBSEA SOLUTIONS

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## INTERFACES

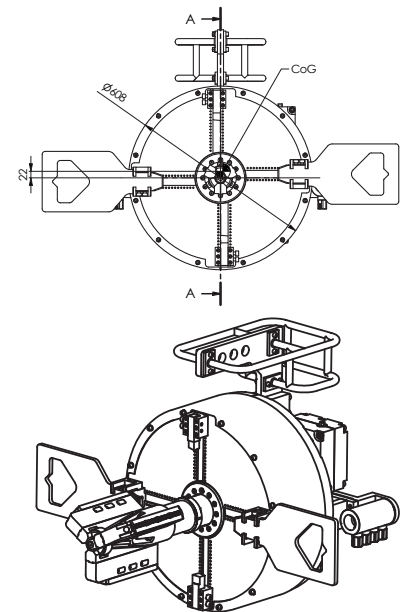
<b>ROV operated</b>	Yes, compliant with CSS ROV skid and topside control system. Requires pressure and flow control
<b>ROV Interface Specification</b>	4 Line stab and Receptacle, Ø35, 10k, API 17D (x2)
<b>Max. working pressure</b>	207 bar /3000 psi

## DIMENSIONS & WEIGHT

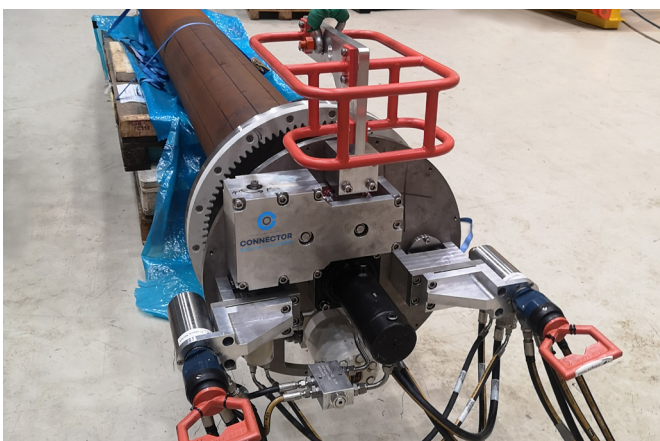
<b>Hydraulic oil</b>	Shell Tellus S2 22/32 (typical) NAS8/ISO 4406 19/17/14
<b>ROV grabber bars</b>	Yes
<b>Installation</b>	WROV

## ADDITIONAL INFO

<b>Design code</b>	DNVGL 2.7-3 Portable offshore units DNVGL-OS-C101 Design of offshore steel structures
<b>Installation</b>	WROV
<b>Buoyancy application</b>	Yes. Note that buoyancy is not delivered with tool
<b>Coating</b>	NORSOK 7B, Marine epoxy paint system
<b>Cathodic protection</b>	No
<b>Packing</b>	Box



02 // Pipe end upon completion



01 // Factory acceptance testing



03 // ROV footage of subsea application


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