

RQ-001 - 17" Subsea Rotary Cutter

WHATS INCLUDED

17" Rotary Cutter.
Operational Hose Kit.
Certification Pack.
Blades (consumable).

OPTIONS

Buoyancy Blocks.
Spares Kit (included with rental).
Fight Case.
Customisation – we can customise any tool.



Key Features:

- ROV deployable
- Light weight
- Self-clamping
- Different sizes of blade options
- Easy to operate
- Cuts a variety of materials

Description

The 17" Rotary Cutter uses strong Steel jaws to securely clamp on to various structures and cut material from a minimum of 10 inches and up to a maximum of 17 inches in diameter (Slight tool modifications can be conducted for larger cuts).

The jaws are actuated by two hydraulic rams and are adjustable over three different position depending on the diameter of cut. These ensure that the cutter clamps onto and centralises the material being cut. There is a bolt-on guide to aid the cutting of 10" - 14" material. The main body of the cutter is made up from lightweight aluminum. The motor is mounted on a slide to extend and retract the blade position.

The blade itself is stainless steel, tungsten carbide tipped. This means it can easily cut ferrous and non-ferrous metals as well as high-tensile steels with ease. A counterbalance valve is set to stop the weight of the motor and blade from dropping if hydraulic pressure is removed.

A variety of blade sizes and types can be mounted onto the blade hub, making this cutter not only light and simple to deploy but highly versatile.

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| Overall Specifications | |
|------------------------|---|
| Cut Distance | 255mm to 406mm (10" to 16") |
| Max Blade Diameter | 1000mm (39") |
| Minimum Clamp Diameter | 450mm (18") Note: Packers can be used for smaller cuts |
| Max Intermitting Speed | 240 RPM |
| Main Motor | |
| Pressure | 140 to 180 Bar (2600 PSI) |
| Flow | 25 to 50L/Min |
| Jaw Clamp | |
| Pressure | 50 to 100 Bar (1500 PSI) |
| Flow | 1 to 5L/Min |
| Blade Extend | |
| Pressure | 20 to 100 Bar (1500 PSI) |
| Flow | 0.1L/Min |
| Weights and Dimensions | |
| Weight in Air | 100kgs |
| Weight in Water | 70kgs (can be reduced with Buoyancy) |
| Dimensions | L1732 x W1000 x H434mm |

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Picture above shows a test cut of 240mm multi layered armored umbilical