

RQ-086 – Diamond Wire Saw

WHATS INCLUDED

30" Diamond Wire Saw
Operational Hose Kit.
Certification Pack.
1 x Wire (consumable).

OPTIONS

Buoyancy Blocks.
Spares Kit (included with rental).
Spare Wires.



Key Features:

- ROV deployable
- Self-clamping
- Easy to operate
- Cuts a variety of materials

Description

The Diamond Wire Saw uses Stainless Steel jaws to securely clamp on to various structures and cut material from a minimum of 10 inches and up to a maximum of 30 inches in diameter (Slight tool modifications can be conducted for larger cuts).

The jaws are actuated by two hydraulic rams. These ensure that the cutter clamps onto and centralizes the material being cut. There is a bolt-on guide to aid the cutting of smaller 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 wire position.

The wire itself is 10.2mm in diameter and is well proven in various cutting applications.

The main motor is mounted on a vertical slide actuated by a 450mm stroke extend and retract cylinder to position the wire.

The hydraulic manifold has been designed to have 4 functions operate with only 2 inputs. When the “Jaw Close / Blade Extend” function is operated, the jaws will close. Once they stop moving, the sequence valve will open to start the blade moving forward. This function can be stopped at any time and reversed, if required.

When the cut has finished, operate the “Jaw Open / Blade Retract” function. This will retract the wire, the sequence valve will then operate the Jaw Open function.

RQ-086 – Diamond Wire Saw

Overall Specifications	
Cut Distance	255mm to 765mm (10" to 30")
Dimensions	L2254 x W1381 x H400mm
Hydraulic Specifications	
Blade Motor	210 Bar (3000 PSI) 30-60L/min
Jaw Close / Blade Extend	210 Bar (3000 PSI) 2-10L/min
Jaw Open / Blade Retract	210 Bar (3000 PSI) 2-10 L/min
Weights and Dimensions	
Weight in Air	100kgs
Weight in Water	160kgs (can be reduced with Buoyancy)
Dimensions	L2254 x W1380 x H400mm
Hydraulic Connections	
Pressure	8 JIC
Return	8 JIC
Jaw Close / Blade Extend	4 JIC
Jaw Open / Blade Retract	4 JIC