

# Diamond Wire Saw



The Wachs Subsea Diamond Wire Saws are designed for underwater cutting of horizontal or vertical pipe, casings and structure, with five models that cut from 4in to 84in O.D. (DN100-DN2100). Running on hydraulic power, the wire saw is controlled remotely using the Wachs Topside Control Panel (TCP), Wachs HPU with integrated TCP or by ROV control operable via zero leak hot stabs.

Wachs Diamond Wire Saws feature a unique hydrodynamic design that dramatically reduces centrifugal forces during operation, which means less power wasted in churning water and more power directed to cutting the workpiece.

## Key Features

- Lightweight aluminium plate construction
- Five models cut from 4in to 84in O.D. (DN100-2100)
- Easily replaceable long life diamond wire cutting element
- Hydraulically operated synchronised clamping arms
- Self adjusting automatic feed system
- Overload clutch for bow damage prevention
- Corrosion resistant with anode protection
- Mounts vertically or horizontally

## Specifications

### System Function

Designed to cut submerged pipe, casing and structure of varying materials and thicknesses using a high speed rotating diamond wire loop cutting element

System Capacity	Five models designed to cut from 4in to 84in O.D. (DN100-2100)
Cutting Wire	Quick change continuous loop diamond wire cutting element
Cutting Wire Speed	Variable, 0-1,500 RPM
Drive Options	Hydraulic only
Power Requirements	Hydraulic requirements 20 GPM @ 2500 PSI (76 LPM @ 172 BAR) varies by model and application
Feed Method	Automatic self-adjusting feed control with screw drive and manual override
Feed Rate	Variable based on workpiece material and density
Construction	Lightweight aluminum plate construction, constant tension bow feed, three hydraulic drive circuits – cutting, feed, and clamp drive
Finish	Corrosion resistant powder coated aluminum frame plates, black anodized aluminum select components, and stainless steel hardware
Clamping Pads	User replaceable crush resistant urethane clamping pads
Wire Guides	User replaceable durable urethane inserts
Included Accessories	Operating manual
Maximum Pipe Capacity	36in (914mm)
Minimum Pipe Capacity	16in (406mm)
Height	92.5in (2350mm)
Width	69.75in (1772mm)
Depth	32in (813mm)
Weight	1200lbs (544Kg)
Product Part #	10-010-536
Replacement Wire	08-051-710