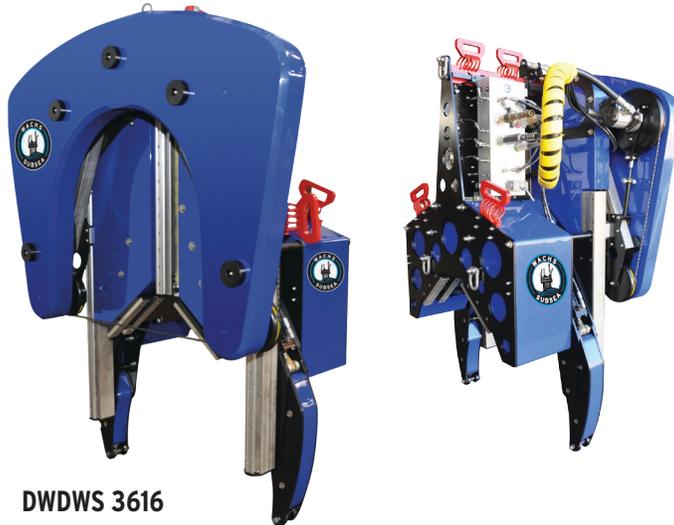




Deepwater Diamond Wire Saw

DWDWS



DWDWS 3616

DESCRIPTION

The Wachs Subsea DWDWS Deepwater Diamond Wire Saw is designed for underwater cutting of horizontal or vertical pipe where diverless or ROV operation is required. 3 models are available for cutting pipe from 4 inch - 52 inch (101.6 - 1321mm) OD. Running on hydraulic power, the DWDWS is controlled remotely using the Wachs Subsea Topside Control/Hydraulic Power Unit or by ROV control operable via zero leak hot stab with flying lead.

ADVANCED DESIGN

The ergonomic design of the ROV side interface panel allows for simple operation with feedback in the form of flow meters and pressure gauges. Built-in flotation utilizes a compact design that does not significantly increase the saws footprint over Wachs Subsea DWS models. Like the DWS the Deepwater DWS features a self-adjusting autofeed system that automatically matches the feed rate to the cutting rate. They are ideal for compressive cuts, or for use on mixed material such as multi-strand steel and concrete casings.

FEATURES

- Easily replaceable, long life diamond wire cutting element
- Hydraulically operated synchronized clamping arms
- Anti-slip hardened steel clamp grippers
- Self adjusting automatic feed system with override clutch
- Flotation rated to 3000 meters (9843 sfw)
- Fiberglass encapsulated flotation
- No significant increase to footprint
- Weight in air = approximately 2000lbs for DWDWS 3616 model
- Weight in water = Neutral to 100lbs (45.36kg) negative (adjustable) all models
- Center of buoyancy coincident to center of gravity (allows saw to be rotated subsea)
- 5 compliant ROV handles
- Aluminum "mono-block" control manifold
- Single zero leak hot stab with 20 ft (6m) flying lead
- Simple and intuitive (color coded) ROV interface panel equipped with pressure gauges and flow meters
- Heavy duty pressure compensated shipping/deployment basket (optional)

NEW

DEEPWATER CUTTING

RATED TO 3000msw



Clutched control knobs allow full control of the saw by ROV manipulation



Compact design of syntactic flotation package minimizes the saws footprint



Diamond wire cutting element is easily replaced in the field, and is ideal for mixed materials and compressive cuts

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Deepwater Diamond Wire Saw

DWDWS

SPECIFICATIONS

System Function: Designed to cut submerged pipe of varying materials and thicknesses using a high speed diamond wire loop cutting element

System Capacity: Three models designed to cut from 4 inch - 52 inch O.D. (DN100-2100)

Depth Capacity: 3000msw (9843fsw)

Weight in Water: Neutral to 100lbs (45.36kg) negative (adjustable)

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: Syntactic flotation over high strength alloy plate, constant tension bow feed, three hydraulic drive circuits - cutting, feed and clamp drive

Finish: Corrosion resistant powder coated aluminum with anode protection with stainless steel hardware and painted fiberglass shell

Clamping Pads: User replaceable crush resistant urethane clamping pads

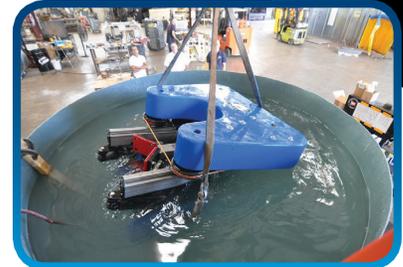
Wire Guides: User replaceable durable urethane inserts

Included Accessories: Operating manual

Optional: Custom shipping/deployment basket with pressure compensation

DESIGN HIGHLIGHTS

- Lightweight planetary feed drive
- Large diameter high contact area wire drive wheels
- Hydraulic wire drive motor w/overhung bearing support
- Lift interfaces for vertical or horizontal deployment
- Lightweight aluminum plate construction
- User replaceable clamp contact pads and wheel inserts



Every saw is quality control tested before leaving the assembly facility



Low profile syntactic flotation package is rated for 3000msw (9843fsw)



Multiple ROV compliant handles for vertical or horizontal deployment



Optional deployment basket provides storage and protection for the DWDWS



DWDWS with pressure compensated deployment basket

Model Number	DWDWS 1604	DWDWS 3616	DWDWS 5230
Pipe Capacity (max)	16 inch (406mm)	36 inch (914mm)	52 inch (1321mm)
Pipe Capacity (min)	4 inch (102mm)	16 inch (406mm)	30 inch (762mm)
Height	62 inch (1575mm)	83 inch (2108mm)	118 inch (2997mm)
Width	53 inch (1346mm)	72 inch (1829mm)	87 inch (2209mm)
Depth	46 inch (1168mm)	41 inch (1041mm)	55 inch (1397mm)
Weight (in air)	1200 lbs (544kg)	2000 lbs (908 Kg)	2400 lbs (1089kg)
Product Part #	10-10-516-ROV	10-10-536-ROV	10-10-552-ROV
Replacement Wire	P09-071-710	P08-051-710	P08-021-710
Deployment Basket	H11-029-000	H11-029-000	H11-029-001

All dimensions shown for pipe diameters are US nominal diameters in inches, plus metric nominal diameters (DN) in parenthesis. Tubing and solid diameters if shown are actual US inches plus metric millimeter equivalents.

CONTACT US FOR A DEMONSTRATION OR QUOTATION

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