Diamond Wire Saw
Subsea hydraulic diamond wire saw

Running on hydraulic power, the wire saw is controlled remotely using the Topside Control Panel (TCP), HPU with integrated TCP or by ROV control operable via zero leak hot stabs.

Ashtead Technology 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 work piece.

The Ashtead Technology Diamond Wire Saw features a unique self-adjusting auto feed system that controls wire bend and automatically matches the feed rate to the cutting rate. With the ability to adjust the feed until the cutting action catches up, Ashtead Technology DWS delivers more efficient cutting action with enhanced operator safety and greatly extended wire life.

In addition, the saw is equipped with a fully adjustable power clamping system, designed to grasp the work piece more accurately with fewer contact pads. It features two synchronised hydraulically actuated clamping arms that pivot inward, providing easy and secure remote control mounting. Synchronised clamping arms ensure uniform, square and secure mounting and prevent damage to the arms from unequal forces. Because the machine mounts more accurately, less visual supervision is required.
Diamond Wire Saw
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, 0-1,500rpm

Drive options
Hydraulic only

Power requirements
20gpm @ 2500psi (76lpm @ 172bar) 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 anodised aluminium select components, and stainless steel hardware

Clamping pads
User replaceable crush resistant urethane clamping pads

Wire guides
User replaceable durable urethane inserts

<table>
<thead>
<tr>
<th>Model number</th>
<th>DWS 1604</th>
<th>DWS 3012</th>
<th>DWS 3616</th>
<th>DWS 5230</th>
<th>DWS 8460</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max pipe capacity</td>
<td>16in (406mm)</td>
<td>30in (762mm)</td>
<td>36in (914mm)</td>
<td>52in (1321mm)</td>
<td>84in (2134mm)</td>
</tr>
<tr>
<td>Min pipe capacity</td>
<td>4in (102mm)</td>
<td>12in (305mm)</td>
<td>16in (406mm)</td>
<td>30in (762mm)</td>
<td>60in (1524mm)</td>
</tr>
<tr>
<td>Height</td>
<td>55in (1397mm)</td>
<td>82.5in (2096mm)</td>
<td>92.5in (2350mm)</td>
<td>127in (3226mm)</td>
<td>205in (5207mm)</td>
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<tr>
<td>Width</td>
<td>44in (1118mm)</td>
<td>63.75in (1619mm)</td>
<td>69.75in (1772mm)</td>
<td>87.25in (2216mm)</td>
<td>118.8in (3017mm)</td>
</tr>
<tr>
<td>Depth</td>
<td>28in (711mm)</td>
<td>30in (762mm)</td>
<td>32in (813mm)</td>
<td>43in (1092mm)</td>
<td>43in (1092mm)</td>
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<tr>
<td>Weight</td>
<td>730lbs (331kg)</td>
<td>1000lbs (454kg)</td>
<td>1200lbs (544kg)</td>
<td>1600lbs (726kg)</td>
<td>Call</td>
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<tr>
<td>Product part no.</td>
<td>10-010-516</td>
<td>10-010-530</td>
<td>10-010-536</td>
<td>10-010-552</td>
<td>10-010-584</td>
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<td>Replacement wire</td>
<td>09-071-710</td>
<td>08-011-710</td>
<td>08-051-710</td>
<td>08-021-710</td>
<td>08-031-710</td>
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</table>

Specifications subject to change without notice. Specific interface and performance information should be reconfirmed at time of order placement.