

# DS11 UNDERWATER DIAMOND CHAIN SAW

**STANLEY**®



The **DS11** Diamond Chain Saw is specifically designed to cut solid concrete underwater. Cuts square corners without over-cut and can plunge cut sea walls up to 18" thick. Two available bar lengths (15" and 18") and two different chains depending on the amount of rebar and hardness of the concrete. A minimum of 20 PSI water pressure is required at the saw for cooling and lubrication of the bar and chain. Painted hi-visibility yellow.



## FEATURES

- Direct drive motor - no chain coast when trigger is released
- Integral Stanley Hyrevz gear motor for durability and power
- Trigger activated water to bar and chain for lubrication
- Multi position trigger handle and Wall Walker reduces diver fatigue
- Heavy duty cast aluminum
- Cut steel reinforced concrete with Pinnacle chain
- Stainless Steel spool and fasteners
- Interlocking safety trigger and hand guard
- Pinnacle Chain: For Steel Reinforced, Heavy Aggregate Concrete
- Ultra Chain - For Light Wire Mesh, Soft/Green Concrete
- Order bar and chain separately – See Chart for Selection

## SPECIFICATIONS

<b>Capacity</b>	15 or 18" / 38 or 45 cm Bar
<b>Chain Type</b>	Diamond Impregnated Chain Segments
<b>Circuit Type</b>	Open Center
<b>Flow Range</b>	12 gpm / 45 lpm
<b>Working Pressure</b>	1000-2000 psi / 70-140 bar
<b>Full Relief Setting</b>	2250 psi / 155 bar
<b>Weight (less bar &amp; chain)</b>	28 lbs / 12.7 kg
<b>Length (with bar &amp; chain)</b>	37 or 40" / 99 or 101.6 cm
<b>Width</b>	9" / 23 cm
<b>Couplers</b>	Yes
<b>Hose Whips</b>	Yes (½" NPT Male Thread)
<b>Lubrication/Cooling</b>	Internal Water Channels in Bar

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The chart below will assist in chain selection for balance of cutting performance and chain life

Aggregate	Extra Hard		Hard		Medium		Soft		Abrasive
Material	Chert Flint	Basalt Quartz	Granite River Rock	Marble Limestone	Sandstone				Masonry, Brick, Block, Green Concrete
Approximate Moh's Scale	9	8	7	6	5	4	3		
Reinforcing Steel	Lots of Steel			Some Steel			No Steel		
	1"	Double Mat	Single Mat	#5	#4	#3	Wire Mesh		

## Saw Chain Wear (in-ft)

Pinnacle-32 Pinnacle-39	150 in-ft	600-800 in-ft	2000 in-ft	
Ultra-32 Ultra-37		2000 in-ft		1500 in-ft

## ORDERING INFORMATION

### PART NUMBER

**DS115000** Diamond Chain Saw, Underwater, No Bar & Chain  
Order Bar and Chain Separately Below

### ACCESSORIES

<b>30305</b>	15" Bar, Sprocket Nose
<b>56801</b>	15" Diamond Chain, Ultra 32
<b>56803</b>	15" Diamond Chain, Pinnacle, 32
<b>30306</b>	18" Bar, Sprocket Nose
<b>56802</b>	18" Diamond Chain, Ultra 37
<b>58632</b>	18" Diamond Chain, Pinnacle, 37
<b>03971</b>	Flush-Face Coupling Set, 3/8" NPT
<b>03974</b>	Flush-Face Coupling Set, 1/2" NPT
<b>06830</b>	Hose Whip 18" long, -8 SAE x 1/2" NPT
<b>23517</b>	Sprocket Wrench
<b>31848</b>	Dual Hose, 50' x 1/2", with couplers
<b>31972</b>	Dual Hose, 25' x 1/2", with couplers
<b>58633</b>	Twinned Hose, 25' x 1/2", with couplers
<b>58634</b>	Twinned Hose, 50' x 1/2", with couplers
<b>20859</b>	Diamond Chain Butterfly Repair Kit
<b>20857</b>	Chain Repair Spinner
<b>20858</b>	Chain Repair Breaker
<b>DCP30101</b>	Water Pump, 12 VDC, Battery Clip
<b>DCP30100</b>	Water Pump, 12 VDC, Marine Type Plug

When hydraulic hose exceeds 100' (30.4 m) in length, increase I.D. of both pressure and return hose. For more information, consult Stanley Hydraulic Tools.

All Stanley Hydraulic Tools, parts, accessories and allied equipment are subject to design improvements, specifications and price changes at any time without notice and with no obligation to units already sold. Weights, dimensions and operating specifications listed herein are subject to change without notice. Where specifications are critical to your applications, please consult Stanley Hydraulic Tools.

### IMPORTANT

To fill out a Product Warranty Recording form and for information on your warranty visit [stanleyhydraulic.com](http://stanleyhydraulic.com) and select the Warranty tab.



**Note:** The warranty recording form must be submitted to validate the warranty.