

# Rubblizer™

Revolutionising Sustainable P&A and Slot Recovery Activity

**The award winning Rubblizer™ tool can transform both plug and abandonment and slot recovery, improving the efficiency and predictability of cut and pull, perf and wash and perf and squeeze operations.**

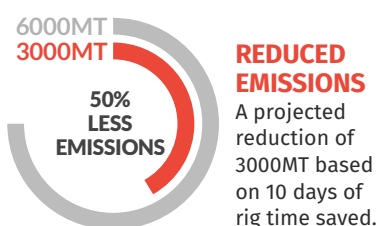
Using simple pressure and rotation to manipulate existing casing strings, the Rubblizer™ breaks the bond between cement and casing, rubblizing the cement behind casings. This makes removing casing quicker and more efficient, avoiding the need for costly milling operation and subsequent lost time issues, guaranteeing pulling success rates.

The Rubblizer™ can be partnered with existing technologies to enhance their plug and abandonment capabilities. It can be used to complement existing cutting, pulling, and jacking technology to reduce cost and uncertainty when removing casing. It also proves to be an excellent addition to perf, wash and plug technology, it raises success rates and assures wash for post-job cement integrity.

## THE BENEFITS

- Greater efficiency and success rates compared to conventional cut & pull and perf & wash
- Enables longer sections of casing to be pulled reducing time and trips in and out of hole
- Enables predictable perf & wash operations in problematic cemented sections
- Enables predictable and reliable perf & squeeze operations in cemented sections
- Avoids the need for costly milling operation and subsequent lost time issues
- Compliments current tool offerings for Fishing / P&A / Slot Recovery Service Providers
- Saves up to 50% of project time and cost, increasing economic feasibility
- Doesn't transmit any shocks and vibrations up-hole
- Doesn't require a section of casing to Anchor in
- Simple to operate
- Part of a wider Casing Recovery System - coming soon

## IN NUMBERS ■ Conventional Technology ■ Rubblizer™



# Rubblizer™ Data Sheet

Tool Specifications	Imperial Data Figures	Metric Data Figures
Tool OD	8.625 in	203.4 mm
Tool Length	10 ft	3 m
Tool End Connection	NC50	
Approximate Tool Weight	1,168 lbs	530 kg
Maximum Operating Pressure	3,500 psi	345 bar
Maximum Operating Temperature	302°F	150°C
Recommended Rotary Speed	60 - 80 rpm	
Casing Size	9 <sup>5</sup> / <sub>8</sub> " – 10 <sup>3</sup> / <sub>4</sub> "	244.5 mm - 273.05 mm
Operational Torque	1,500 - 2,000 ft.lbs	
Operational Overpull	10,000 - 18,000 lbs	



## Deep Casing Tools

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