

PILEDRIVER

Outlast, Outperform.



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OVERVIEW

While drilling ahead in vertical hole sections, there are significant challenges to overcome such as stalling, stick-slip, and high shock & vibrations. The PILEdriver helps to prevent these issues by autonomously mitigating extreme weight on bit and pressure events using an internal hydraulic compensation mechanism as well as a robust mechanical dampening system.

BENEFITS

- Optimizes Drilling Performance
 - Increases ROP by providing consistent weight on bit
 - Extends life of both motor and bit by mitigating differential and WOB spikes
 - Decreases risk of damage to MWD by substantially dampening excessive shock and vibration
- Fully Mechanical Design
 - Completely manufactured in-house
 - 12 inch stroke length allows tool to be ran within a wide range of WOB and motor parameters
 - Proprietary hydraulic compensation system
 - Potential for reusability across multiple wells

SPECIFICATIONS

Tool OD (in.)	8.25
Tool ID (in.)	2.75
Length (ft)	25.6
Weight (lbs)	3337
Max Temp (°F)	400
Torsional Yield (ft-lbs)	72,000
Stroke (in.)	12
Tool Joint	6-5/8" API Reg
Tensile Yield (lbf)	1,267,000