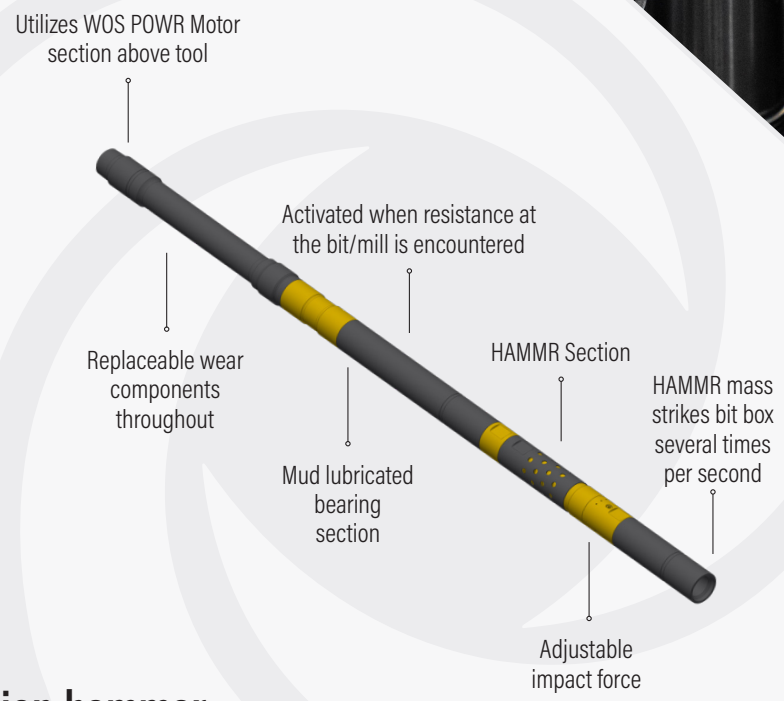
WOS
Workover Solutions

Make an impact with 15,000 - 17,000 lbs of force



HAMMR Drill

Combine the function of a percussion hammer with the drilling action of a mud motor

HAMMR Drill US Patent: US10017991

About This Product

The Workover Solutions HAMMR Drill Thru-Tubing motor combines the function of a percussion hammer with the drilling action of a mud motor. This technology allows for torque, RPM, hammer mass and vibration to be utilized during drilling operations. During operations, the hammer functionality only activates when the bit / mill is met with resistance. The HAMMR Drill uses a mud lubricated cam mechanism powered by the rotor of the motor to accelerate the hammer-mass. The hammer mass strikes the bit box several times per second, delivering an intense percussion force overlaid on the bit or mill. In addition, reactive percussion forces cause the motor housing and drill string to vibrate, reducing friction between the wellbore and drill string or coiled tubing. Designed for long-life, the hammer-mass and thrust bearing balls act as wear components and are easily replaced and serviced.

Benefits

- Increases Energy at the bit for a 20% to 60% increase in ROP
- Protects against motor stalling and bit stuck situations
- Reduces friction between work string and casing wall
- Reduces non-productive time eliminating a trip operating as a motor if HAMMR mass wears
- Reduces tool wear only activating when resistance at the bit/mill is encountered
- Requires less specific energy to drill

Reduce friction between the wellbore and drill string or coiled tubing

HAMMR Drill

HAMMR Drill Specs

Tool Size (in)	2.88″	3.125″
Make Up Length (in)	182″	194″
Flow Rate (bpm)	3.0 - 5.0	3.0 - 5.0
Frequency (hz)	7 - 15	9 - 17
Weight (lbs)	290	350
Tensile Yield (ft-lbs)	128,000	152,000
Torisonal Yield (ft-lbs)	1,500	3,000
Tool Connections	2-3/8″ REG Box x Pin	2-3/8″ REG Box x Pin

Utilize torque, RPM, hammer mass and vibration in one tool

Features

- Allows for maximum weight on bit to be transmitted during drilling operations
- Hammer mass strikes the bit box several times per second, delivering an intense percussion force overlaid on the bit or mill
- Doubles as a hammer and mud motor
- Replaceable wear components
- Adjustable impact force

Accessories

- WOS Motors – 5bpm or 7bpm
- WOS High Flow Quad Flapper Check Valves
- WOS AV Sub
- WOS Flex Sub
- WOS PulverizR PDC Bit
- BitSavR

SCAN CODE TO VIEW PRODUCT PAGE

★ MADE IN THE U.S.A. ★