

Hammerhead Bi-Directional Impact Hammer



- High impact loads
- Ease of maintenance
- Reliable operation

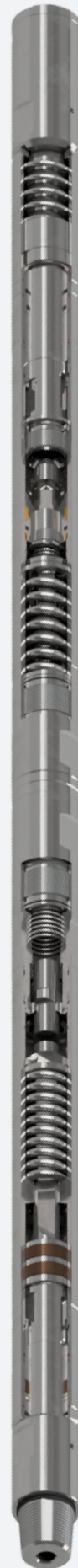
DESCRIPTION

The Hammerhead Bi-Directional Impact Hammer delivers a controllable high frequency up or down impact to a downhole device.

The frequency and magnitude of the impacts delivered are controlled via the flow rate and applied force. A short length and the ability to configure the Impact Hammer as up only, down only or bi-directional make the Hammerhead suitable for many applications including shifting sleeves, breaking disks, pulling plugs, scale removal, cleanouts, tubing swaging and broaching. The ability to deliver high frequency impacts with low applied force and without the necessity to cycle the Coiled Tubing make the Hammerhead an attractive alternative to using a Jar.

A Hammerhead Accelerator Tool is also available to optimise the performance of the Hammerhead when there is little effective length of Coiled Tubing above the Hammer.

The Pragma Hammerhead Bi-Directional Impact Hammer is manufactured from high grade materials and has an operating mechanism that does not rely on elastomer performance, making the tool suitable for corrosive and high temperature environments.



DEPLOYMENT AND OPERATION

- The Bi-Directional Impact Hammer should be placed as close to the required point of impact as possible.
- The Pragma Hammerhead Accelerator or the Pragma Dual Acting Spring Accelerator should be positioned above the Jar in the tool string.
- The Accelerator is highly recommended especially when operating at shallow depths where the stretch in the coiled tubing may not be sufficient to provide the maximum efficiency of transfer of energy to the impact hammer.

FEATURES & BENEFITS

- Compact length
- High frequency controllable up and down impacts
- Can be configured as Up Hammer, Down Hammer or Bi-Directional Hammer
- Reduces Coiled Tubing fatigue compared with jarring
- Mechanism does not rely on elastomeric seals making it suitable for use in corrosive and high temperature wells.
- Bits such as ballistic button bits, chisel bits and star bit chisels are available on request.

OPTIONAL EQUIPMENT

- Hammerhead Accelerator
- Star Bit and Chisel Bit
- Ballistic Button Bits
- Pragma Test Beam for Jars and Impact Tools

Part Number	Outside Diameter	Length	Impact Frequency Per Minute	Thread Connection
FHB169BB08	1.688"	52.0"	60-600	1.00 AMMT
FHB212BB09	2.125"	53.5"	60-600	1.50 AMMT
FHB288BB23	2.875"	55.0"	60-600	2.38 PAC

We offer optional equipment, alternative sizes, materials and thread connections.

Please contact us for more information.

