Rotational Inertia Impact Tool - TT0465

Description

The Rotational Inertia Impact Tool allows for the maximum utilization of the rotational energy generated by a downhole motor. The tool is run below a motor and is cocked and fired like a jar. When the tool meters close and lock up on clutches, it throws a rotational impact into the fish below. The "flywheel" effect is equal to the energy stored in the motor's rotor, top sub, piston housing, and any weight bars or drill collars if added or needed.

Operation

First, the fish is engaged. Next, the tool is stroked open and the motor is brought on-line, then, set weight down on the tool. The tool rotates and the meters slowly close. At the last few inches of free travel, the tool closes in micro-seconds, the clutches lock up, and rotational impact is transmitted to the fish below. Shutting down the motor, picking up, and bringing the motor back on line will allow the process to be repeated as necessary. One popular use of this tool is in shearing shear screws requiring rotation, such as in the case of the backup release of a liner running tool.

Special Order Item - Contact your TTT representative for more information or pricing.