

Torque-Action Debris Breaker

wellbore cleanup and debris removal tool

Efficient, effective, and rapid removal of scale resistant to other removal methods



Efficient conversion of downward force to rotational torque



Rapid, effective scale removal

Application

Breaks up persistent sand and scale concretions that resist recovery by other methods

How it improves wells

Reduces the time required for descaling with its effective 100%-mechanical design

How it works

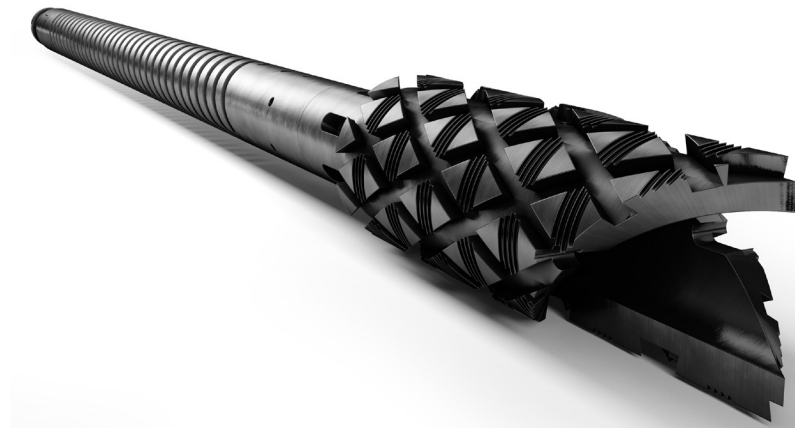
With each downward jar mechanically in the well, the unique helically split torque sub applies a short-duration torque to the cutting edges of the Torque-Action Debris Breaker* wellbore cleanup and debris removal tool. The main torque body comes in 1½-in, 1⅞-in, and 2½-in diameters and has different shoe sizes for easy exchange on the main body as the scale is broken down. The debris is recovered by subsequent bailer runs.

What it replaces

Chemical treatments, jetting, milling, explosives, and sonic pressure pulses

The takeaway

Enables resuming production faster after cost-efficient, rapid, effective debris removal in comparison with other methods



The efficient, effective Torque-Action Debris Breaker tool employs a fully mechanical design.