



ARRIVAL
ENERGY SOLUTIONS



TORNADO – ECCENTRIC REAMER

Wellbore Conditioning Tool

HOLE QUALITY BENEFITS

- Reduced Torque and Drag
- Reduced Stick Slip
- Reduced Overpull
- Increased Effective Hole ID

DRILLING PERFORMANCE BENEFITS

- Integrated Mobilizer Blade to Reduce Shock & Vibe
- Enhanced Weight Transfer
- Improved Rates of Penetration
- Improved Trip Times
- Reduced Swabbing When Hoisting

CASING EFFICIENCY

- Improved Casing Run Times
- Improved Cementing Quality

PATENTED DESIGN†

- Optimized tool length enables efficient rack-back operations in the derrick.
- Integrated cuttings bed mobilizer enhances hole cleaning performance.
- Casing protection buttons (shown in red) are engineered to safeguard casing and PDC cutters during drill-out operations.



Tool Size (ID)	2.50" – 3.00" (63.5 – 76.2 mm)
Tool Size (OD)	6.75" – 7.875" (171 – 200 mm)
Length	4.8 – 5.8 ft (1.46 – 1.77 m)
Hole Sizes	6.75" – 7.875" (171 – 200 mm)
Weight	325 – 510 lbs (147 – 231 kg)
Connections *	Any
Max. Pull	Thread Dependent

* Tools can be customized for each application.

† Patent Pending

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