



TEC MILLS

NEXT GENERATION MILLING TECHNOLOGY

Known for its milling prowess & gauge integrity/ OD (Outside Diameter), the BRAMA Reaper Mill is the hardest mill on the planet...period. The BRAMA Reaper Mill technology was a collaborated effort by Thruster Energy & BRAMA Carbide Services out of Nisku, Alberta to develop the Reaper Mill for high-stage count milling while still maintaining gauge integrity throughout the course of the entire job. This is essential in managing debris size. The longer the mill maintains "Gauge", the smaller the debris is and thus easier to circulate out of the well.

The hard-coating application to the gauge area of the Reaper Mill creates an incredibly hard surface that sets it apart from the competition. The Reaper Mill is available in any size required.

Design Benefits:

- Proprietary Hard-Coating to Gauge Area (OD) Keeps Debris Size Small & Manageable
- Gauge OD Keeps 99% Integrity Even After High Stage Count (65+) Composite Plug Milling
- Available in Flat Bottom, Concave, Convex & Offset Options
- Rapid Customization Available
- Available in All Thru Tubing Connection Types & Sizes
- Available in Any Desired Size

TECHNICAL SPECIFICATIONS

FISH NECK OD	STANDARD CONNECTION	TORSIONAL YIELD	TENSILE YIELD
73mm 2.875"	2-3/8" PAC	4,300 ft-lbs	63,392 daNs 142,000 lbf
79.4mm 3.125"	2-3/8" REG	4,870 ft-lbs	71,473 daNs 160,100 lbf

TEC’s world-class Taper Mills are designed specifically to deal with casing deformation or other downhole obstructions that require a different mill-type other than conventional mills. TEC has established itself as the Casing Deformation Specialists thanks in part their second-to-none Taper Mill product line. Available in a wide variety of sizes for all casing sizes and obstruction sizes. Rapid customization available.

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