

MISSION™ Roughneck® Drilling Valves and Seats



The Roughneck Valve and Seat line sets industry standards, meeting the demands of today's hostile drilling environments encountered by contractors worldwide.

Features of NOV's Roughneck Valves and Seats include:

- Drilling valve design is based on extreme pressure well service valve design.
- One-piece, tapered leg guide design allows greater flow area, reduced abrasion, and reduced fluid velocity.
- One-piece forged valve body for superior strength results in fewer replacements, longer run times, and reduced cost per pumping hour.

Features and benefits

Design benefits

- Precision machined components for a close tolerance fit
- Heat treated forged alloy steel valve body and valve seat for extended service life
- Ideal for higher horsepower pumps and pressures up to 7500 PSI

Added Value

- Improves maintenance conditions in valve-over-valve fluid ends
- Uniform loading of the fluid end taper increases fluid end life
- Smooth flow increases valve life when pumping abrasive muds

Flexibility

- Available in the standard or HP design
- Insert is available in various compounds designed to fit specific drilling conditions