



MOTOR HEAD ASSEMBLY

NEXT GENERATION MILLING TECHNOLOGY

MOTOR HEAD ASSEMBLY- 1.690" / 42.9mm



TEC's Heavy Duty 1.690" / 42.9mm Motor Head Assembly is a compact tool string which incorporates a variety of features including a Dual-Flapper Check Valve Assembly, a Ball-Activated disconnect and a Dual-Activated Circulating Sub. The tool also features torque-thru capability as well as a standard internal GS Fishing Neck profile.

The Dual Flapper Check Valves provide a uni-directional barrier between the well bore and the tubing above. The Disconnect facility is there to provide a means of disconnecting from the stuck tool string by simple deploying a drop-ball.

The Circulating Sub introduces a flow path from the tool ID to the annulus. However if for any reason circulating through the tool string is lost, an Overpressure-Activated Piston is incorporated.

Design Features:

- High Torsional Yield for High-Torque Milling Operations
- Robust Design for Milling & Jarring Operations
- Customizable Shear Values
- Highly Dependable & Durable



TECHNICAL SPECIFICATIONS

TOOL OD	1.690" 42.9mm
CONNECTION	1.00" AMMT
DISCONNECT DROP BALL	0.500" 12.7mm
DISCONNECT SHEAR SCREW VALUE/ SCREW	1,000 PSI
LENGTH AFTER DISCONNECT	11.38" 0.29m
CIRC SUB DROP BALL	0.438" 11.12mm
CIRC SUB SCREW VALUE/ SCREW	1,050 PSI
TYPICAL CIRCULATING OVER-PRESSURE (PER SHEAR SCREW)	2,450 PSI
MAKE-UP TORQUE SPECIFICATIONS	250 ft-lbs
PULLING TOOL REQUIRED	03-02-GS-200-A0
TENSILE YIELD	33,100 lbf 14,776 daNs
MAX FISHNECK LOAD	30,200 lbf 13,482 daNs