PROTORQUE

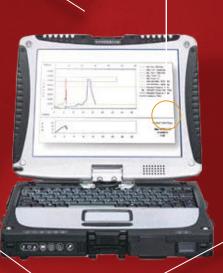
IRON ROUGHNECK TORQUE TESTING (IRTT)

The IRTT is used to regularly verify the torque output of an Iron Roughneck. This ensures that torque output is accurate, and reduces damage to rotary shoulder connections during make-up. Regular verification can prevent down time, equipment failure, and extend the service life of your drill pipe.

TOTAL RIG SOLUTIONS™

 ACCURATE VERIFICATION, WITHOUT CALCULATIONS OR ALGORITHMIC INTERACTION. REAL-TIME CALIBRATED TORQUE OUTPUT





CANADA 780.933.0404 UNITED STATES 713.300.5216

PROTORQUETECH.COM



IRON ROUGHNECK TORQUE TESTING (IRTT)



SPECIFICATIONS

- FULL-SCALE TORQUE CAPACITY: 65,000 150,000 ft/lbs (88,000 203,000 Nm)
- **PIPE DIAMETER**: 6.63 9.5" (168.2 241.3 mm)
- **GRIP LENGTH**: 9.25 12.75" (235 323.9 mm)
- ERROR TOLERANCE: 1% (±)
- SAFE OVERLOAD: 110 (%FS)
- MATERIAL: 17 4 PH Stainless Steel
- **WEIGHT**: 150 250 lbs (70 115 kg) dependant on torque range
- **IRTT LENGTH**: 30 32" (762 812.8 mm)

CANADA 780.933.0404

UNITED STATES 713.300.5216

PROTORQUETECH.COM



등 ~일하는 경기의 한 경험되면 있다는 (리브라이트) 1/4 원	
CONSEQUENCES OF INCORRECT MAKE-UP TORQUE:	1 in 20 wells experience a "back-off" or "twist-off" event due to improper connection make-up
	The average cost is \$400,000 per event
	73% of Iron Roughnecks under torque drill pipe connections
	Over ranging the torque of a connection can cause stretching of threads and damage to seal areas
	1 in 6 Iron Roughnecks are out of calibration by 15% or more