

Torq-Matic™ (TM-100)

Automated Floor Wrench

The industry's first truly automated floor wrench, comes standard with feature rich, hands free PLC remote interface. Add-on options to subscribe to SmartROS® – an advanced software controller that seamlessly integrates the TM-100 into the automated workflows of the Top Drive, Catwalk, Mud Pumps and Drawworks, to make the TM-100 the only floor wrench that allows for autonomous drilling and tripping activity.

WEIGHT AND DIMENSIONAL DATA

RETRACTED DIMENSIONS (LxWxH)	78 x 44 x 102 in. 1,973 x 1,102 x 2,581 mm
EXTENDED DIMENSIONS (LxWxH)	135 x 44 x 131 in. 3,416 x 1,102 x 3,318 mm
SHIPPING DIMENSIONS (LxWxH)	81 x 73 x 118 in. 2,053 x 1,842 x 2,997 mm
WEIGHT (INSTALLED)	7,700 lbs 3,495 kg
WEIGHT (SHIPPING)	1000 lbs 454 kg



TECHNICAL SPECIFICATIONS

PIPE OD RANGE	2 3/8 in. – 8 1/2 in. 60 mm – 216 mm
MAKEUP TORQUE (MAX)	80,000 ft-lb 108,465 Nm
BREAKOUT TORQUE (MAX)	100,000 ft-lb 135,582 Nm
SPINNER TORQUE (MAX)	2,500 ft-lb 3,390 Nm
SPINNER ROLLER SPEED (MAX)	111 RPM
HORIZONTAL OPERATIONAL RANGE	95 in. – 110 in. 2,413 mm – 2,794 mm
TOOL JOINT HEIGHT RANGE	24 1/2 in. – 62 3/4 in. 622mm – 1,594 mm
ROTATION	359°
CYCLE TIME AT HOLE CENTER (JOINT DEPENDENT)	13 sec