



## SONIC RIG

# TSi 150

### Mobile, Veratile, and Powerful

The TSi 150 Compact Crawler Sonic Drill Rig is a track mounted unit with a 225 HP (168 kW) diesel engine that powers all driving, drilling and accessory hydraulic functions. This drill rig features an exclusive TSi 150 Sonic oscillator that efficiently utilizes up to 150 hp to generate powerful resonant sonic energy in the drill string to a rated drilling depth of 244 meters (800 feet) with 152.4 mm (6 inch) casing.

The TSi 150 Compact Crawler mast enables drilling angles anywhere between vertical and 45°, incorporates an integrated hose management system within its tubular frame, and utilizes a drive system that operates the feed frame with half the chain length and rollers of conventional drive methods. The standard mast handles 10' drill steel, and an optional Low Clearance mast that handles 5' drill steel is also available.

The TSi 150CC Compact Crawler has a fold-down driller work platform to enhance driller operating efficiency and safely.

#### Depth Capabilities:

**152.4 mm (6") Casing:** 243.9 m (800')

#### Dimensions:

**Width:** 2.43 m (7.96') | **Length:** 5.87 m (19.27') | **Height:** 6.16 m (20.2')

#### Rig Features:

- Engine Power: 225 hp
- Stroke: 4.29 m (14.1')
- Pull Back Force: 9,979 kg (16,800 lbs)
- Down Force: 6,804 kg (11,300 lbs)
- Oscillatory Frequency: 0 - 150 Hz
- Oscillator Force: 22,680 kg (50,000 lbs)
- Rotation Speed: 0 to 80 rpm
- Max Torque: 4,677 ft-lbs (6341 N-m)
- Winch Pull Back: 907 kg (2,000 lbs)
- Drilling Angle: Vertical to 45 degrees
- Complete with track carrier
- On-Board SPT Hammer
- On-Board Driller Platform
- Hydraulic leveling
- Mast Integrated Hose Management System

