

GEOPROBE® MODEL 7822DT

The Geoprobe® 7822DT is a fully hydraulic track mounted remote controlled multi-purpose drill rig. Equipped with a G64 hydraulic hammer with built in rotary spindle for concrete drilling and anchoring, this rig has over a 24 ton pulling capacity for larger tooling and deeper depths, as well as an improved auger head for turning hollow stem augers. The compact size and rubber tracks, which reduce ground pressure, allow the rig to get into buildings and drive over sensitive landscaped areas with virtually no damage to the ground/floor surface.

Also is equipped with an Automatic Drop Hammer (ASTM cert.) for Geotechnical site investigations (SPT, DCPT, CPT, and SCPT). The Model 7822DT is CE certified and equipped with Auger Guard, safety pull cable and several E-stops. Powered by a diesel engine and equipped with an exhaust purifier makes the machine an environmentally safe site investigation rig.

MODEL 7822DT SPECIFICATIONS

Stroke	78in	1981mm
Weight	7,555lb	3427kg
Width	60in	1524mm
Length (folded)	133in	3378mm
Height (folded)	92.5in	2350mm
Height (unfolded)	184in	4674mm
Down Force	36,000lb	160kN
Retraction Force	48,000lb	214kN
Hammer System		GH64
Percussion Rate		32Hz
Engine (diesel)	Kubota, 4-cylinder turbo	
Ground Speed	0-5mph	0-8kph
Surface Load	3.9lb/in ²	0.27kg/cm ²

GH64 HAMMER SPECIFICATIONS

Torque, forward (high torque/low speed)	450 ft lb	610Nm
Torque, forward (low torque/high speed)	225 ft lb	305Nm
Torque, reverse (high torque/low speed)	600 ft lb	813Nm
Rotation Speed (low speed/high torque)	0-250 rpm	
Rotation Speed (high speed/low torque)	0-500 rpm	

DH103 AUTO DROP HAMMER SPECIFICATIONS

- 140 lbs weight, standard 30" stroke
- All moving parts, including the 140lb (64 kg) weight are fully enclosed in a protective steel cabinet
- No cables or ropes needed for operation

ROCK CORING SPECIFICATIONS

- BQ Rock Coring Capability



AUGER HEAD SPECIFICATIONS

Torque (high torque/low speed)	4,000 ft lb	5423Nm
Torque (low torque/high speed)	2,000 ft lb	2711Nm
Hex adapter	1-5/8 in	41mm

TOOLING OPTIONS:

- Split Spoon Sample System
 - DT325 Soil Sampling System
 - DT22 Soil Sampling System
 - MC5 Soil Sampling System
 - SP16 & SP22 Groundwater
- Sampling Systems
- 5" Solid Stem Augering System
 - 4.25" Hollow Stem Augering System
 - Basal Till Sampling System