

# GT8 MAX

**Geotechnical Drill Rig.  
Compact and sturdy design  
to harness the power  
of a drilling rig in a  
multifunction drill.**



## SPECIFICATIONS

Max. torque	12,150 ft.-lbs. (16,473 Nm)
Max. rotation speed	837 rpm
Push and pull capacity	29,000 lbs. (13,154 kg)
Head sliding clearance	16 in. (406 mm)
Front-rear slide mast	16 in. (406 mm)
Hydraulic percussion hammer option	With quick setup system
NWL diamond core drilling capacity	1,970 ft. (600 m)
Rig weight (without track carrier option)	28,000 lbs.
Performance may vary depending of the PTO configuration	

## FEATURES AND BENEFITS

- Best-in-class torque - Max. speed combo
- Best-in-class for depth in NWL core
- Reliable and simple components for affordable maintenance and continued operations under all conditions
- Truck unit at 23,000 lbs. without options

**GtechDrill** 

# GT8

## GEOTECHNICAL DRILL RIG

Power unit	
PTO drive	One or 2 PTO Set UP

Hydraulic system	
Hydraulic pump (2) (max. L/min - gal/min) (max. psi - bar)	191 L/min (42 US gal/min) @ 2,400 rpm (4,500 psi [310 bar])
Pressurized hydraulic oil tank	45 US gal. (170 L)
Oil heat exchanger	Air cooling
Filtration	10 micron filter on return line
Leveling jacks (4)	42 in. (1,067 mm) stroke

Rotary head	
Final drive	HV 80-4 chain in an oil bath
Hydraulic motor	80 cc
Transmission	Equipped with 2 x 2 speeds transmissions
Rotary head ratio	2.1:1
Lubrication	Pump-pressurized with filter
Speed	0 to 837 rpm

2-speed transmission		
Speed	RPM	Torque
1st	0-837	903 ft.-lbs. (1,224.30 Nm) @ 450 rpm
2nd	0-242	3,125 ft.-lbs. (4,236.93 Nm) @ 130 rpm
3rd	0-215	3,500 ft.-lbs. (4,745.36 Nm) @ 116 rpm
4th	0-62	12,150 ft.-lbs. (16,473.18 Nm) @ 34 rpm

Long Mast	
Head stroke	132 in. (3.35 m) hydraulically with chain
Head sliding clearance	16 in. (406 mm) Hydraulically
Push and pull speed	0-135 ft./min (0-41 m/min) @ 4,500 psi
Push and pull capacity	29,000 lbs. (13,154 kg) @ 4,500 psi
Possible angle	45 to 90 degrees
Front-rear slide mast	16 in. (406 mm) displacement
Comes with an Crown bloc extensible extension, up to 35' in the air.	
Has 36" dump mast	
Equip with a Wiggle tail, 3" on each side	

* Wireline hoist with hydraulic cable guide level winde	
Cable capacity (3/16 in. / 1/4 in.)	2,130 ft. (650 m) / 1,150 ft. (350 m)
Empty pull capacity	2,500 lbs. (1,135 kg)
Full pull capacity	650 lbs. (295 kg)

* Main hoist	
Capacity	9,000 lbs. (4,082 kg)
Cable diameter	1/2 in. (12.7 mm)
Cable capacity	100 ft. (30 m)

* Auxiliary hoist	
Capacity	3,000 lbs. (1,360 kg)
Cable diameter	3/8 in. (9.52 mm)
Cable capacity	100 ft. (30 m)

Operating capacity		
Hollow stem augers	4-1/4 in. (108 mm) ID	150 ft. (45.7 m)
Continuous flight auger	6 in. (152.4 mm) OD	260 ft. (79.2 m)
Rotary drilling	NWJ/NW drill pipe	1,250 ft. (381 m)
Diamond core		
Drilling capacity is calculated on a 90-degree down hole and will depend on in-hole tools, ground conditions, drilling techniques and equipment used.		

### ALSO AVAILABLE (\* OPTIONS)

- Hydraulically operated SPT automatic hammer  
140 lbs (64 kg) or 300 lbs (136 kg)
- Auger guide frame with variety of removable guide
- Hydraulic breakout wrench
- Cathead hoist
- Hydraulic percussion hammer
- Water pump type FMC and/or Moyno
- Track carrier with blade option and rod rack option
- Waggle tail
- Water tank (250 gallons)
- Tool boxes
- Swing out auger rack
- On deck rod storage
- Safety driver hoist
- Automatic chuck

