

# GT8

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



## SPECIFICATIONS

Max. torque	9,303 ft.-lbs. (12,613 Nm)
Max. rotation speed	965 rpm
Push and pull capacity	26,835 lbs. (12,172 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)	truck unit at 23,000 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



Power unit	
PTO drive	Deck engine

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	160 cc variable
Transmission	HI-LO 2-speed mechanic
Rotary head ratio	2.1:1
Lubrication	Pump-pressurized with filter
Speed	0 to 965 rpm

2-speed transmission			
Speed	Ratio	RPM	Maximum Torque
LO	7.4:1	0-250	9,303 ft.-lbs. (12,613 Nm) @ 62 rpm
HI	1.9:1	0-950	598 ft.-lbs. (810 Nm) @ 965 rpm
Speed and torque based on a 160 cc variable hydraulic motor at 4,500 psi (310 bar)			

Feed mast short		(Feed mast with 13 ft. of stroke is available)
Head stroke	78 in. (1.98 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	26,835 lbs. (12,172 kg) @ 4,500 psi	
Possible angle	45 to 90 degrees	
Front-rear slide mast	16 in. (406 mm) displacement	

* 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

