GtechDrill™

GT8

Geotechnical Drill. A powerful multipurpose drill, with a compact and sturdy design.

SPECIFICATIONS

Max. torque	9,303 ft-lb (12,613 Nm)
Max. rotation speed	965 rpm
Push and pull capacity	26,000 lb (11,793 kg)
Control panel with adjustable height	20 in (508 mm) hydraulically
Open spindle head	4.9 in (124 mm)
Head sliding clearance	16 in (406 mm)
Front-rear slide mast	10 in (254 mm)
Left-right slide mast	6 in (152 mm)
NWL diamond core drilling capacity	1,600 ft (500 m) with deep coring winch option
Rig weight on carrier	Between 19,500 lb & 22,000 lb (8,730 kg - 9,980 kg)

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

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GT8
GEOTECHNICAL DRILL RIG

Power unit (other options available on request)	
Diesel engine (standard)	Cat C3.6 Tier 4 Stage 5
Horsepower	134 hp (100 kW) @ 2,400 rpm
Operation angle	45 to 90 degrees
Fuel tank	50 US gal (190 L)

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]) 91 L/min (20 US gal./min) @ 2,400 rpm (3,500 psi [241 bar])
Variable volume hydraulic oil tank	1,300 cc
Oil heat exchanger	Air cooling
Filtration	10 micron filter on return line

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
Open spindle	H size
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-lb (12,613 Nm) @ 62 rpm
HI	1.9 : 1	0-950	598 ft-lb (810 Nm) @ 965 rpm

Short stroke mast (Feed with 11 ft stroke is available)	
Head stroke	78 in (1.98 m) telescopic cylinder
Dump mast	36 in (914 mm)
Head sliding clearance	16 in (406 mm) Hydraulically
Push and pull speed	0-135 ft/min (0-41 m/min) @ 4,000 psi
Push and pull capacity	26,000 lb (11,793 kg) @ 4,000 psi
Possible angle	45 to 90 degrees
Front-rear slide mast	10 in (254 mm) displacement
Left-right slide mast	6 in (152 mm) displacement

* Rod clamp (Double clamp also available with 8" capacity)	
Holding capacity	25,000 lb (11,340 kg)
Diameter capacity max.	5.5 in (140 mm)
Operation	Two opposing hydraulic cylinders Double clamp also available with 8" capacity

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

* Auxiliary hoist (1,200 lb fast hoist also available)	
Capacity	3,000 lb (1,360 kg)
Cable diameter	3/8 in (9.52 mm)
Cable capacity	100 ft (30 m)

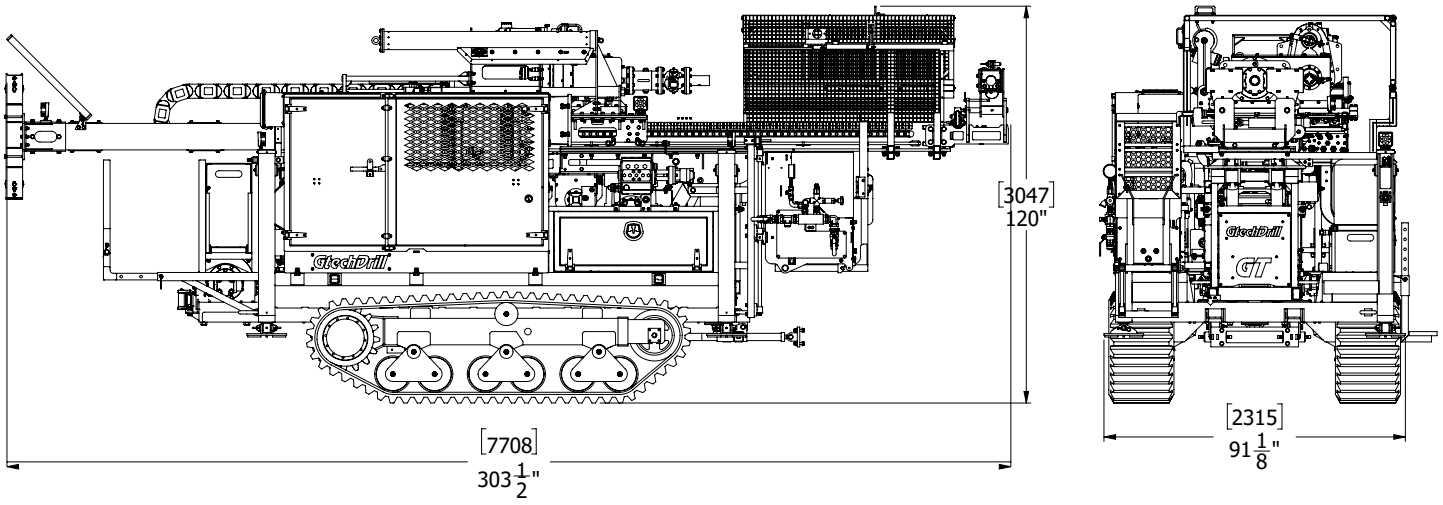
* Traction hoist (synchronized with tracks)	
Capacity	20,000 lb (8,164 kg)
Cable diameter	9/16 in (14.28 mm)
Cable capacity	100 ft (30 m)

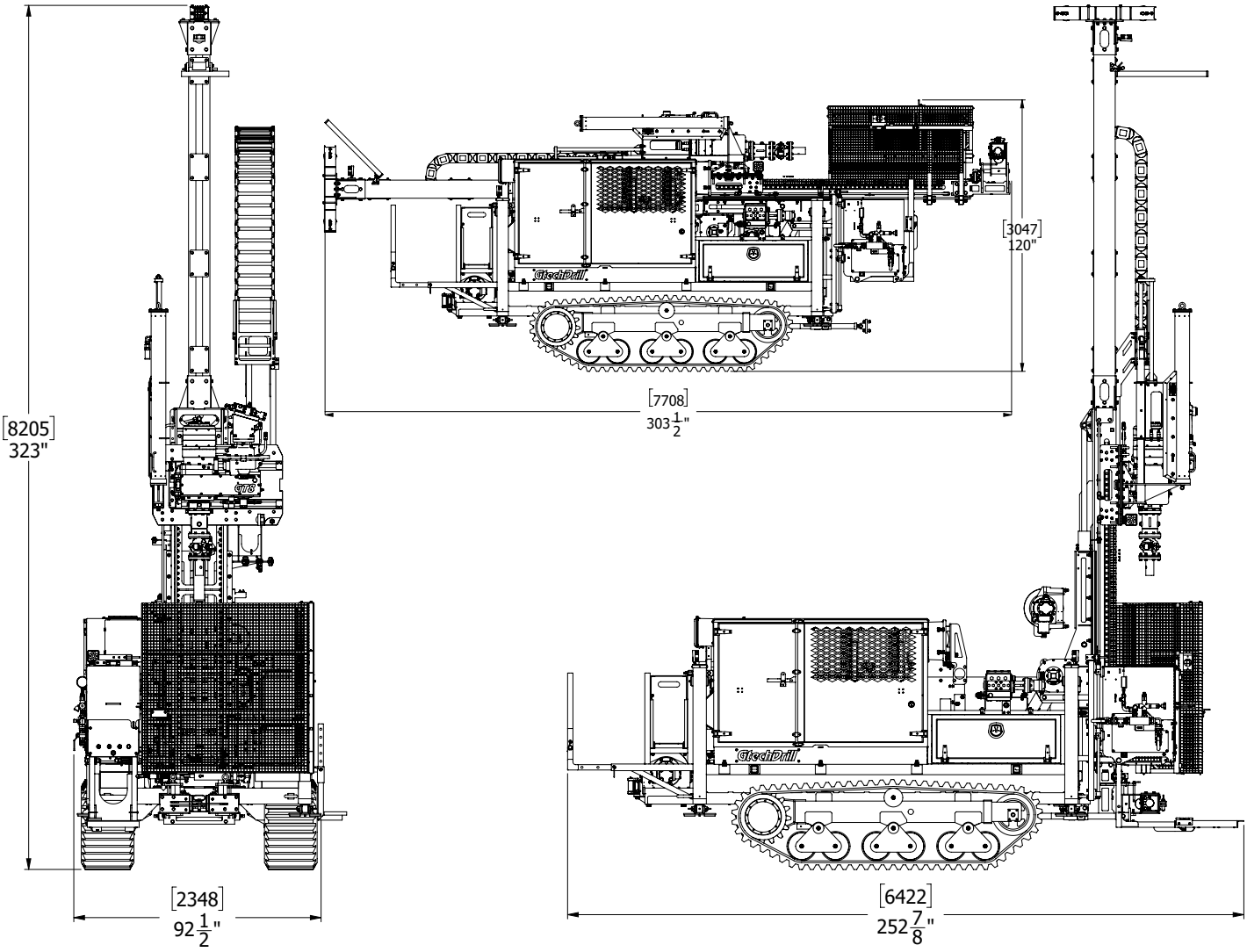
Operating capacity		
Hollow stem augers	4-1/4 in (108 mm) ID	150 ft (45.7 m)
Continuous flight auger	6 in (152.4 mm) OD	260 ft (79.2 m)
Rotary drilling	NWJ/NW drill pipe	1,250 ft (381 m)
NWL diamond core drilling capacity	656 ft. - 1,600ft. (200-500 m)*	
Drilling capacity is calculated on a 90-degree down hole and will depend on in-hole tools, winch type, ground conditions, drilling techniques and equipment used.		

ALSO AVAILABLE (*OPTIONS)

- Hydraulically operated SPT automatic hammer 140 lb (63,5 kg) or 340 lb (154 kg)
- Hydraulic breakout wrench
- Water pump type Triplex, Progressive cavity and/or peristaltic
- Rod rack option
- Large CAT312 rubber track carrier available with blade and rod rack option
- MST 600 track or CAT308 track carriers
- Truck mounted GT8 available, with PTO or Deck Engine.
- Safety driver hoist
- Wireline winch with 1,200 lb (545 kg) capacity
- Automatic chuck
- Security cage

DIMENSIONS (FOR REFERENCE ONLY, OTHER OPTIONS AVAILABLE)





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