



**GtechDrill** 

# GT8

Geotechnical Drill Rigs

## FEATURES

- 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.



Rig Source is proud to offer these and other amazing rigs from MBI Global for both sale and rental options.



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## GTechDrill GT8 Specifications

### At-a-glance

Max. torque	9,303 ft.-lbs. (12,613 Nm)
Max. rotation speed	965 rpm
Push and pull capacity	26,835 lbs (12,172 kg)
Control panel w/ 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.
NWL diamond core drilling capacity	1,600 ft. w/deep coring winch option
Rig weight on carrier	19,250 lbs - 22,000 lbs

### Typical Power Unit (others 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)	191 L/min (42 US gal/min) @ 2,400 rpm
(max. L/min - gal/min)	(4,500 psi [310 bar])
(max. psi - 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.-lbs. (12,613 Nm) @ 62 rpm
HI	1.9 : 1	0-950	598 ft.-lbs. (810 Nm) @ 965 rpm

### Feed mast short (Feed mast with 11 ft. of stroke is available)

Head stroke	78 in. (1.98 m) telescopic cylinder
Mast stroke	30 in. (1.52 m) hydraulically
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 lbs. (12,700 kg) @ 4,000 psi
Possible angle	45 to 90 degrees
Front-rear slide mast	10 in. (406 mm) displacement
Left-right slide mast	6 in. (152 mm) displacement

### Optional Equipment

<b>* Rod Clamp</b>	
<b>Holding capacity</b>	25,000 lbs. (11,340 kg)
<b>Diameter capacity max.</b>	8 in. (279 mm)
<b>Operation</b>	Two opposing hydraulic cylinders
<b>* Main hoist</b>	
<b>Capacity</b>	9,000 lbs. (4,082 kg)
<b>Cable diameter</b>	1/2 in. (12.7 mm)
<b>Cable capacity</b>	100 ft. (30 m)
<b>* Auxiliary hoist (fast hoist available)</b>	
<b>Capacity</b>	3,000 lbs. (1,360 kg)
<b>Cable diameter</b>	3/8 in. (9.52 mm)
<b>Cable capacity</b>	100 ft. (30 m)
<b>* Traction hoist (synchronized with tracks)</b>	
<b>Capacity</b>	20,000 lbs. (8,164 kg)
<b>Cable diameter</b>	9/16 in. (14.28 mm)
<b>Cable capacity</b>	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	B 2-3/16 in. (55.6 mm)	1,313 ft. (400 m)
	N 2-3/4 in.* (69.9 mm)	656 ft. (200 m)
*Recommended size for maximum performance	H 3-1/2 in.* (88.9 mm)	492 ft. (150 m)
	P 4-5/8 in. (117.5 mm)	411 ft. (125 m)

Drilling capacity is calculated on a 90-degree down hole and will depend on in-hole tools, ground conditions, drilling techniques and equipment used.

Recommended diesel engine: 235 hp (175 kW) at 2,100 rpm





## GTechDrill GT8 Dimensions

