

# MC-23

SPT Autohammer, CPT & DMT, Rotary and Auger Drilling





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The MC-23 is a small, yet powerful multi-purpose geotechnical drill rig. With a built in SPT autohammer, a powerful rotary auger drill head, dual anchor masts and 20 ton twin hydraulic drive cylinders that allows for 20 ton CPT testing, DMT testing, Shelby tube testing and direct push sampling, the MC-23 is the smallest and most powerful multi-function rig on the market.

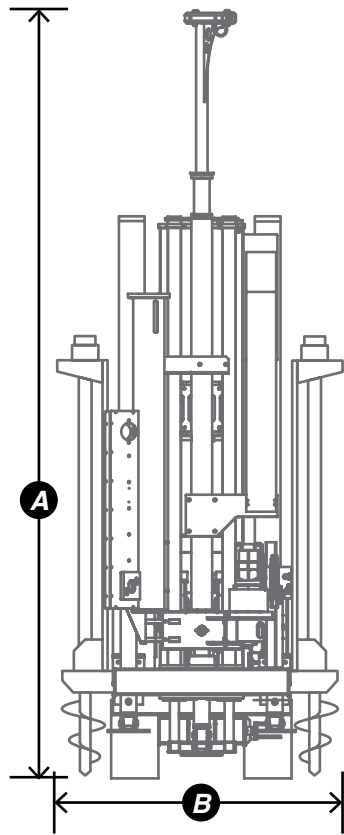
The MC-23 comes with an auger drill head with 3,500 ft lbs of torque that allows for solid flight or hollow stem augers, SPT autohammer, high speed winch with 1,100 lbs of lift force and dual removable anchor masts for fast CPT anchoring or DMT pushing. The MC-23 has 20 tons of push down (crowd force) and 57,000 lbs of extraction force.

### CHARACTERISTICS

- Rotary drill head, single speed (20 rpm, 3,500 ft lbs of torque).
- Hydraulic cylinder driven mast with 57,000 lbs of lift up force and 42,000 lbs of pull-down force.
- 140 lb (63.5 kg) SPT autohammer hammer that conforms to ASTM D-1586-11.
- 20 ton CPT testing.
- DMT testing – preconfigured for Marchetti DMT.
- Can be configured for DPL, DPH, DPSH sampling.
- Direct push sampling.
- Wired or wireless remote for driving.
- Expandable tracks (option).
- 23 hp gasoline engine.
- Mini winch tower.
- High speed winch with 1,100 lbs lift force and slip ring.
- Leveling outriggers.
- Rod rack slide tubes.
- Can be mounted on trailer, tracks or pickup

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## DIMENSIONS

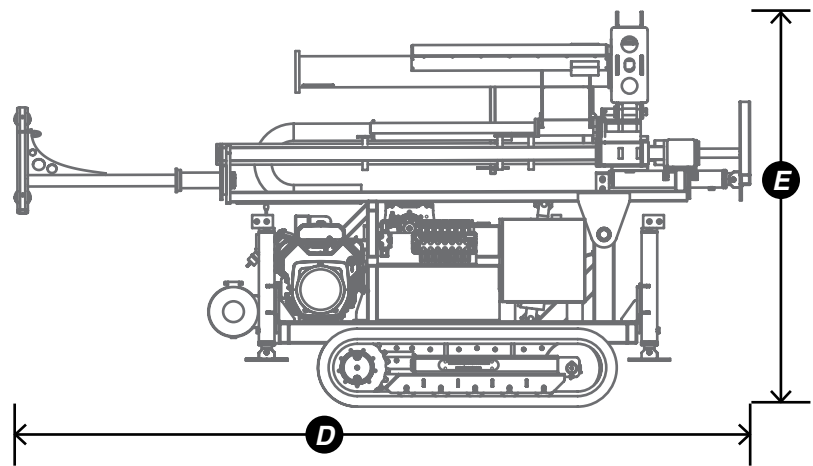
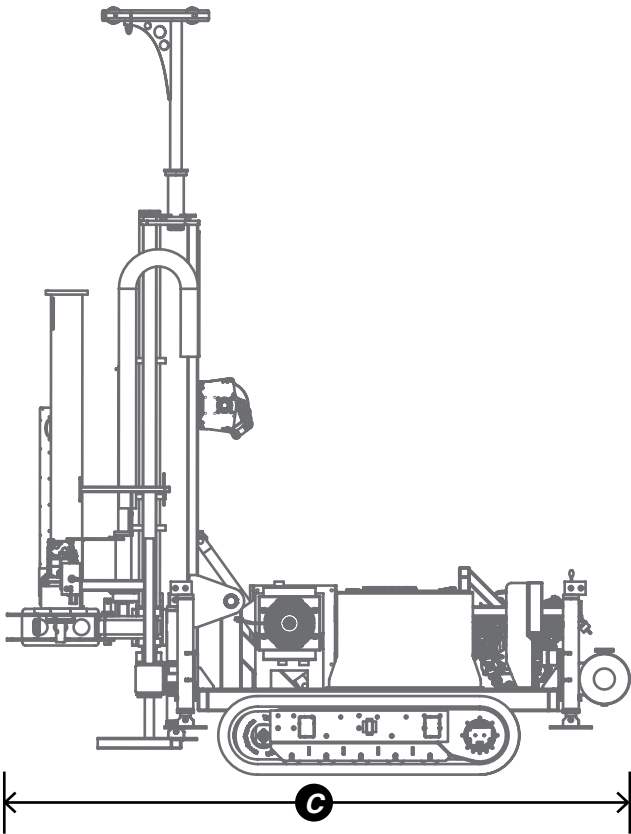
### Tracks Mounted Version

- A. Height - Tower extended  
146" - 370 cm.
- B. Width  
63" - 160 cm.
- C. Length - Tower extended  
113" - 287 cm.
- D. Length - Tower retracted  
141" - 358 cm.
- E. Height - Tower retracted  
76" - 196 cm.

#### APPROXIMATE WEIGHT

6,172 lbs	3.1 US tons
2,800 kg	2.8 Metric tons

Can be mounted on trailer, pick-up truck or rubber tracks





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