



GM 100 GT

Mobile, heavy-duty mining exploration drill rig for the surface shallow coring

- Diamond coring AQ, BQ, NQ
- Coring depths 200 - 300 m
- Ground water pipes
- All sampling
- Casing pipe drilling
- DTH-drilling

Dimensions:

- weight: 6000 - 7500 kg without rods and tooling
- length: 4500 - 5000 mm in transport condition
- width: 2000 mm
- height: 2300 mm in transport condition
- ground clearance: 480 mm



Undercarriage and power pack:

- steel reinforced, rubber- fabric tracks, hydraulic tightening, width 400 mm
- 8 wheels, 2 track pairs, 2 driving motors, 2 speed, automatic brakes, max travelling speed 6 km/h
- fuel and hydraulic tanks, 200 and 280 lit.
- diesel engine: 95 - 105 kW to power two or three hydraulic pumps
- rod magazines, working lights, fire protection

Mast:

- feed: hydraulic cyl. / hydraulic cyl. and chain
- stroke: 2700 / 2400 mm
- pull down force: 70 / 90 kN
- pull up force: 140 / 130 kN
- two spindle: hammer and drilling or coring, hydr. change over
- mast displacement: 1100 mm
- clamp: single or double for rods, casings and pipes
- mast tilting: sideways +/-10 dec., back and front 10 dec. and 80 dec.

Rotary heads:

- geotechnical: torque and speed: 3000 / 6000 Nm, speed range 0-120 / 60 rpm
- diamond coring: torque and speed: from 250 / 2000 to 700 / 700 Nm / rpm
- hammer: Furukava F3, Doofor or similar

Main standard and optional items:

- chuck for 22-45, 32-56 or 30-105 mm rods
- hydr. water pump 80 l / 60 bar
- hydr. winch, pulling force 80 kN
- hydr. support legs
- radio control for driving, drilling and winch
- data logger with graphics and key board
- sensors, detectors, recorders for all investigations
- roll chain lifter for T46 / T56 wire line
- hydr. compressor 4 m³ / 7 bar
- hydr. bulldozer blade
- revolver type rod changer
- joy stick panel for driving and drilling
- locked tool box
- GPS for rig precise locations

Please note: all data is subject to GM further confirmation