



# GM 75 GT

**Multi-purpose, mid-size soil investigation rig for all major geotechnical, environmental and geological drillings**

- ground water pipes
- all sampling
- casing pipe drilling
- percussion drilling, SPT, CPT and CPT-U
- exploratory drilling
- vane test
- diamond coring, AQ, BQ

## Dimensions:

- weight: 3400 - 3900 kg without rods
- length: 3800 mm, transport condit.
- width: 1850 mm
- height: 2100 mm, transport condition
- ground clearance: 330 mm



## Undercarriage and power pack:

- steel reinforced, rubber- fabric tracks, hydraulic tightening, width 300 mm or 400 mm
- 8 wheels, 2 track pairs, 2 driving motors-brakes, max travelling speed 5 km/h
- fuel and hydraulic tanks, 100 and 110 lit.
- diesel engine: 60 - 70 kW to power two hydraulic pumps
- rod magazines, working lights, fire protection

## Mast:

- feed: hydraulic cylinder and chain
- stroke: 2400 mm
- pull down force: 40 kN
- pull up force: 70 kN
- two spindle: hammer and coring or drilling, hydraulic change over table
- mast displacement: 600 mm
- clamp: single or double for rods and pipes
- mast tilting: sideways +/-10 dec., back and front 10 dec. and 80 dec.

## Rotary heads:

- geotechnical (optio 1): speed range: 0-90 rpm / Max. torque: 1900 Nm
- geotechnical (optio 2): speed range: 0-85 rpm / Max. torque: 2800 Nm
- hammer: Soosan SB30 or similar

## Main standard and optional items:

- chuck for 22-45 or 32-56 mm rods
- hydr. water pump 50 l / 50 bar
- el. winch, pulling force 40 kN
- hydraulic support legs
- radio control for driving, drilling and winch
- data logger
- sensors, detectors, recorders for all investigations
- roll chain lifter for T46 / T56 wire line
- hydr. compressor 2.5 m<sup>3</sup> / 7 bar
- hydr. bulldozer blade
- anchoring device
- integrated drilling command panel
- locked tool box
- GPS for rig precise locations