

GEOTOOL

PROBING RIG GTR 780

Fully hydraulic soil
testing probe on
caterpillar tracks

GTR 780

THE COMPACT PROBE OF THE GTR SERIES GTR 780

Fully hydraulic probing crawlers on tracked undercarriage to relieve the drilling team – developed for efficient probing, flexible use at all drilling sites.

The GTR 780 probe crawler is a compact and powerful rig for heavy dynamic probing in accordance with DIN ISO and ASTM standards. Its fully hydraulic design and high off-road capability make it the ideal solution for a wide range of applications – even in difficult ground conditions or uneven terrain. The mast can be folded hydraulically and adjusted in several axes, enabling precise alignment even in challenging environments.

The GTR 780 also allows for familiar hydraulic hammer drilling and can operate a core drilling attachment, enabling surfaces to be broken up. Thanks to storage boxes and integrated holders, all accessories can be conveniently carried on the rig – a decisive advantage in everyday construction site work.

The GTR 780 has very compact transport dimensions, making it possible to transport it in a minivan. Its very low empty weight is also a major advantage. The GTR 780 was developed to increase the efficiency of your drill-crew compared to hand-held devices, while at the same time significantly reducing their physical strain.

GTR 780

ON CATERPILLAR TRACKS

The GTR series from GEOTOOL combines decades of experience with innovative technology. Fully hydraulic, all-terrain, and flexible in use – for precise dynamic probing and dynamic core drilling in challenging environments.



SPECIAL FEATURES

Compact, self-propelled rubber track crawler with high off-road capability

Hydraulically adjustable and foldable mast (forward, backward, sideways)

Fully hydraulic design with integrated automatic tensioning system

Storage boxes and mounts for accessories



TECHNICAL DATA

OVERVIEW

Dimensions	Transport height	1,250 mm 50 in
	Weight	ca. 690 kg 1,520 lbs (empty)
Drive	Drive	Honda GX 390 1 cylinder Gasoline
	Power	11.7 hp at 3,600 rpm
	Tank capacity	6.1 liter 1.6 gal
Dynamic Probing with Autohammer	DPL	10.0 kg 22 lbs
	DPM	30.0 kg 66 lbs
	DPH	50.0 kg 110 lbs
	SPT	63.5 kg 140 lbs
	Blow energy max.	467 Joule
	Blows/min	15–30
	Drop height	500 mm 750 mm 20 in 30 in
Direct Push	Diameter	up to 100 mm 4 in
	Tool Length	1,000 mm 4 ft
Direct Push with hydraulic hammer	Weight	25 kg 55 lbs
	Blows per minute	1,500
	Blow energy	95 Joule
Coring	Diameter max.	150 mm 5.9 in max.
	Rounds per minute	350
Rod extraction	Pull-up force	15 t 33,000 lbs
	Passage	120 mm 4.7 in
	Weight	27 kg 60 lbs

CONTACT

Do you have questions about our equipment or are you looking for a solution for your project? GEOTOOL stands for personal consultation, technical expertise and partnership support.

Feel free to call us – together we'll find the right solution.
We look forward to your inquiry.

OUR LOCATION IN GERMANY

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