



GeoDeepDrill

equipment for the geotechnical evaluation of the subsoil



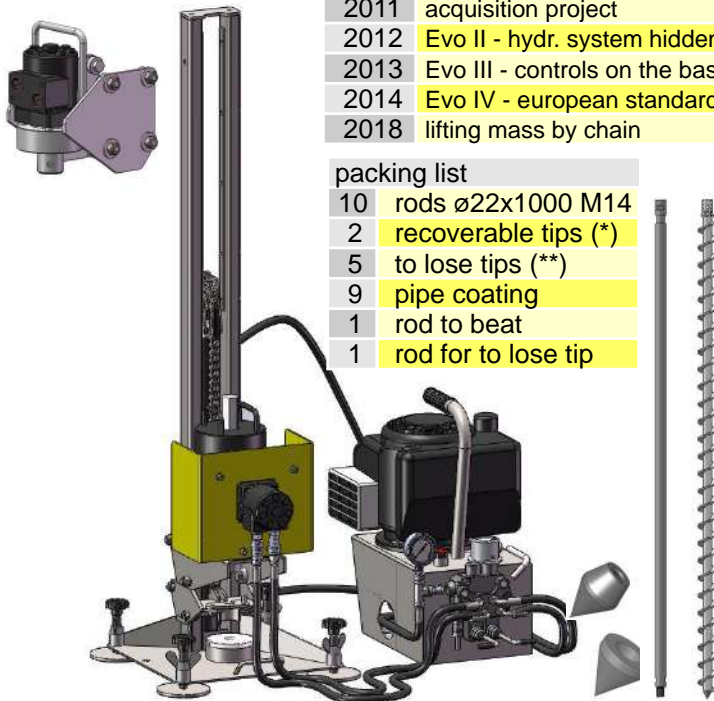
GeoDeepDrill

DYNAMIC MEDIUM PENETROMETER

DM30 M/T/SM/SMC

hammer 30kg - drop 20/50 cm step 10 cm
transportable by one user

DM30



evolution	
2011	acquisition project
2012	Evo II - hydr. system hidden
2013	Evo III - controls on the basis
2014	Evo IV - european standards
2018	lifting mass by chain

packing list	
10	rods $\varnothing 22 \times 1000$ M14
2	recoverable tips (*)
5	to lose tips (**)
9	pipe coating
1	rod to beat
1	rod for to lose tip

models	DM30M DM30T DM30SM
kind	DYNAMIC MEDIUM CLASS. AGI - UNI
hammer	30 kg - \varnothing : 148 mm x H:232
drop	20,00 cm - 50,00 (Evo. IV) 58,8 Joule
step	acquisition value every 10,00 cm
tip	\varnothing 36,00 mm - angle 60° - area 10 cm ²
rod	steel 1000x22 mm M14 mark 10 cm
coating	30x1000 mm steel c40
impact rate	10-60 strokes per minute -
stabilizers	grip screw 20,00 cm
unit power	3,5HP startpull 8 l/m oil
engine	Briggs & Stratton
fuel	gasoline tank 4,00L
hydraulic oil	6,00L OSO 68 (visc. 40° 41)
dimensions	40x40x120 cm col. 62x53x30 cm unit p.
weight	110 Kg (75 column + 35 pow.unit)
remov. parts	4 (column, hammer, support, unit)
types of soil	clay, silt, fine sand
max depth	~10 m clay, silt, sand
sampler	pvc sampler \varnothing 40x350mm
kit screw	3 (screw $\varnothing 38 \times 1000$) + 3 (rod $\varnothing 24 \times 1000$)
kit static	thrust cylinder 25kN with pressure gauge
say about it	practicality of use ★★★★★
«	transportability ★★★★★
«	drilling capacity ★★★★★



- Dynamic penetrometer tests with 30 kg hammer and 0.50 m drop, using 36mm recoverable / disposable tips, 100cm rod with 22 diameter;
- Continuous drilling with appropriate rotating head using worm-gear core samplers (38x1000 mm);
- Percussion drilling using a suitable core sampler; low degree of sample disturbance in \varnothing 40 mm plastic sleeve;
- Static resistance reading using the \varnothing 36 mm tip and the range of DM30 rods.

(DM30 geodeepdrill)



<https://www.youtube.com/watch?v=L7EhaJYHzGw>

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Various transport systems



110 kg



160 kg - 3 Hp



250 kg - 7 Hp



350 kg - 9.5 Hp

Gasoline or electric motor



Essence



Electrique

Pedal controls for greater hand freedom



Accessory for drilling with auger for soil sampling or piezometer installation



Accessory for performing tests of static tips, with an advance of 4 cm at a time



Tracked wagon with electric start



Sampler for PVC ø40x350 and accessories.

