



GeoDeepDrill

equipment for the geotechnical evaluation of the subsoil



GeoDeep Drill

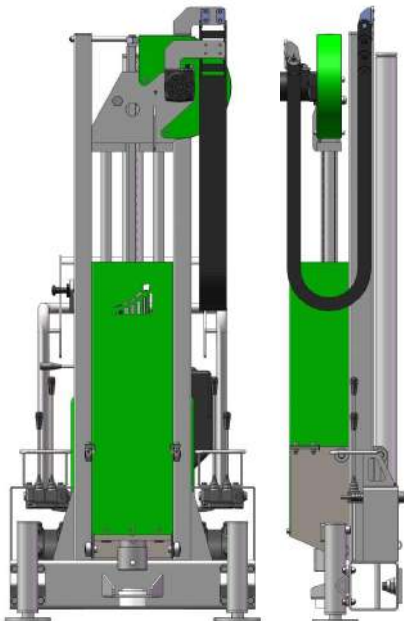
DYNAMIC SUPER HEAVY PENETROMETER

DPSH63-73 M/SM

Hammer weight 50,0 - 63,5 - 73,0 kg
Fall height 50 - 75 cm
Step 10 - 20 - 30 cm

DPSH73

evolution:	
2011	acquisition project
2012	Evo I - hydr. system hidden
2013	Evo II - european standards
2014	Evo III - electronic counter



packing list

- 15 rods \varnothing 35x1000 M22
- 2 recoverable tips (*)
- 5 to lose tips (**)
- 9 pipe coating
- 1 rod to beat
- 1 rod for to lose tip

models	DPH50M - DPSH63M - DPSH73M
kind	SUPER HEAVY CLASS. AGI - UNI
hammer	50 - 63,5 - 73 kg - interchangeable
fall height	75,00 cm 536,5 Joule
step	acquisition value every 10-20-30cm
tip	\varnothing 50,50 mm - angle 90° - area 20,00 cm ²
rod	steel 1000x35 mm 900x32 mm M22
coating	48-52x1000 mm steel c40
impact rate	5-20 strokes per minute -
stabilizers	2 hydraulic cylinder
unit power	5,5HP startpull 8 l/m oil
engine	YANMAR L70AE electric starter
fuel	gasoline 6,00 litri
hydraulic oil	20L OSO 40 (visc. 40° 41)
dimensions	75x130x203 cm (***) indicative (***)
weight	495 kg (***) indicative (***)
remov. parts	-
types of soil	clay, silt, sand, gravel
max depth	>20m sands
sampler	pvc sampler \varnothing (40/60/80)x350 mm
kit screw	none
kit static	none
say about it	practicality of use ★★★★★☆
«	transportability ★★★★★☆
«	drilling capacity ★★★★★☆



Dynamic penetration tests with hammer mechanism from 63 with drop height 75 cm, with tip \varnothing 50 mm and 20 cm², marked rods 1000 mm rod diameter 32/35mm; Infixion sampler with PVC case \varnothing 40x350 \varnothing 60x350 \varnothing 80x350; Instrument designed for installation on own means of transport: excavators, pick-up Electric ignition, hits count, beacon lighting. Transfer speed 5-6 km/h only DPSHxSM model.

(DPSH geodeepdrill)



https://www.youtube.com/watch?v=4Hli0Jbt_P4



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Various transport systems on rubber tracks



350 kg



500 kg



650 kg

Application on a trolley



Application for mini excavator



Application for static 200kN on probe for micropiles



Example of loading on a van



Example of sampling with screw corer

