



PNEUMATIC DRIVEN DYNAMIC CONE PENETROMETER

(WITH 10 & 20 DROP WEIGHT)

Standard: TRL, ISO 22476-2

Pneumatic Dynamic Probing Light (DPL) testing and Dynamic Probing Medium (DPM) testing set is suitable for doing light weight, 10 kg and medium heavy weight 30kg dynamic. Used for the determination of the strength and deformation properties of the soils according to ISO 22476-2. The apparatus comprises a pneumatic power-pack with a four-stroke gasoline engine which drives through a flexible shaft with the lifting mechanism. It is a fully automated pressure release valve. Supply with a 10 kg weight and 20kg optional weight. This apparatus is comply ISO standard for medium weight test apparatus with 30kg mass and 20 cm drop height. It is a cost effective, simple and reliable tool suitable for light dynamic penetration testing up to approx. 10 - 12 m depth.

Technical Specifications :

Model Number	NL 5050 X / 001
Drop Height	0.5 meter
Drop Weight	10 kg + (20 kg Additional Weight - Optional)
Driving Rate	Up to 20 blows / min
Power	Portable Compressor set (Briggs & Stratton Gasoline Engine)
Petrol Engine Set	550 (L) x 390 (W) x 455 (H) mm , 25 kg
Tooling Kit	1100 (L) x 250 (W) x 250 (H) mm , 80 kg
Approx. Weight (kg)	105 kg

Unit Consist Of:

Model Number	Accessories Description	Qty
NL 5050 X / 001 – P 001	Pneumatically Driven Dynamic Penetrometer Set with Portable Compressor Set of 4-stroke Gasoline Engine. Fixed with 10 kg and (20 kg - optional) Additional Drop Weights. Integrated in a Sturdy Framework with Carrying Handle.	1unit
NL 5050 X / 001 – P 002	Integrated Air-Cylinder Hammer.	1no
NL 5050 X / 001 – P 003	Sounding Tube (22 X 1000 mm) with Depth Indication every 100 mm.	12nos
NL 5050 X / 001 – P 004	Threaded Coupling for Sounding Rod (22 Mm).	12nos
NL 5050 X / 001 – P 005	Open Ended Spanner 19 mm – Heavy Duty Design for 22 mm Sounding Tube.	1no
NL 5050 X / 001 – P 006	Manual Rod Puller with Football and Lever.	1set
NL 5050 X / 001 – P 007	Drive Conical Point, 500 mm ² area, 25.2 mm Diameter with 90° angle.	2nos
NL 5050 X / 001 – P 008	Drive Conical Point, 1000 mm ² area, 35.6 mm Diameter with 90° angle.	2nos
NL 5050 X / 001 – P 009	Rod Adapter (Male & Female)	1set
NL 5050 X / 001 – P 010	Tooling Carry Case	1no

Optional Accessories :

Model Number	Accessories Description
NL 5050 X / 001 - A 001	20 kg Weight Ring Type Weight Set
NL 5050 X / 001 - A 002	Sounding tube (Ø32 x 1000 mm) with depth indication every 100 mm (12pcs/set)
NL 5050 X / 001 - A 003	Conical sounding tip of tempered steel - 15cm ² , M16 connection (1pc)