



a.p. van den berg
The CPT factory

MOSTAP 35 & 65 Soil Samplers

fixed-piston samplers



features

- proven technique
- fully meets the “undisturbed” requirements
- efficient and reliable

creating tools that move your business

MOSTAP 35 & 65 Soil Samplers, fixed-piston samplers

introduction

Soil sampling is a fundamental part of geotechnical soil investigation. Many geotechnical laboratory tests require “undisturbed” soil samples. The MOSTAP series of soil samplers are fixed-piston samplers with a proven technique of minimizing soil disturbance, that fully meets the “undisturbed” requirements.

how the MOSTAP works

The MOSTAP soil samplers obtain as nearly “undisturbed” samples as possible, through the use of a porous nylon stocking that minimizes friction during sampling. The thin-wall sampling tube (or liner) acts as a guide for the piston during sampling and distributes the stocking uniformly around the soil sample. The stocking and tube also serves effectively to transport and store the sample.



sampling with the MOSTAP

After CPT's or other methods have provided soil stratigraphy, and the sampling depths are chosen, the MOSTAP, attached to the CPT rods, is pushed to the top of the desired sampling depth interval. Next a wire-line latching tool that fits in the CPT rods or casing pipes is lowered and latches into the cone point mechanism to unlock it. The wire-line is fixed to the drill rig or penetrometer unit. Subsequently, the CPT rods are pushed down until the MOSTAP cutting mouth reaches the limit of its sampling length. Then the latching mechanism inside the MOSTAP opens and the operator can pull out the wire-line latching tool. Next the CPT rods or casing with the sampler attached can be pulled up to remove the MOSTAP sample.

MOSTAP accessories

- PVC sample tubes (liners) with end caps
- nylon stocking
- wire-line latching tool
- core catchers

Type	Weight (kg)	Length (mm)	Sample length (mm)	Diameter (mm)	Sample diameter (mm/inch)
MOSTAP-35.FTx1000	12.0	1559	1000	60	35 (1 3/8")
MOSTAP-35.FTx1500	14.8	2059	1500		
MOSTAP-35.FTx2000	17.5	2559	2000		
MOSTAP-65.FTx1000	21.0	1676	1000	90	66 (2 1/2")
MOSTAP-65.FTx1500	24.5	2176	1500		
MOSTAP-65.FTx2000	30.0	2676	2000		

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