

Static Puncture Strength Test Fixture for Geotextiles according to ASTM D4833 Model 145-45

This test fixture complies to ASTM D4833 and GOST R 56586 is used for evaluating the puncture strength of sharp objects such as rocks and stones that rest within soil.

The fixture consists of a ring clamping attachment for square sample that is clamped down in the non-slip way between lamping jig consisting of concentric plates with an internal diameter of 45 mm. There are 6 clamping screws that must be tightened to secure the sample. The diameter of the hardened puncture plunger (probe) is 8 mm, and it is flat with chamfered edge which contacts the specimen

Connection to the Testing Machine:

The clamping jig and flat rounded puncture probe can be mounted into the testing machine via mounting (female) stud with clevis PIN. The standard connection size is with internal diameter 20 mm and clevis PIN diameter 8 mm. Any other connecting details are available.



Technical Data

Model		145-45
Standards		ASTM D4833 GOST R 56586
Max. Test Load	kN	50
Temperature Range	°C	0 to +70°C
Fixture Material		Steel nickel plated
Plunger (Probe) Diameter	mm	8 (+/-0.1)
Length of the Plunger (Probe)	mm	50
Total Length of the Plunger (Probe)	mm	230
Container (clamping apparatus)		
Internal Diameter		45
Outside Diameter	mm	100
Total Height		230
Mounting Stud (Female) with Clevis PIN		
Standard		30 / 12
Alternative for example		20 / 8
any other available to suit your testing machine		15.9 / 8

Scope of Supply

Clamping apparatus with plunger.

With connecting detail to the testing machine via mounting stud (female) with clevis PIN. Standard size internal diameter 20 mm / clevis PIN diameter 8 mm, supplied with PIN. Other connecting details available.