

Geosynthetics Cone Penetration Tester

This geosynthetics cone penetration tester determines geotextile material resistance. It measures the penetration ability of a steel cone from a fixed height, characterizing the damage from sharp objects impacting the geotextile surface.



Overview

Geosynthetics Cone Penetration Tester

This specialized instrument is designed for the precise determination of geotextile material resistance. By simulating the impact of sharp stones falling onto a surface, it accurately characterizes the penetration resistance of geosynthetics from a fixed height. This essential testing equipment is ideal for quality control, product development, and performance evaluation in civil engineering applications.

Compliance & Standards

Standards Compliance	GB/T 17630-1998, ISO 13433
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Technical Specifications

Falling Cone Details

45° Cone Angle	50 mm Max Diameter	1000 g Total Mass
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Test Height	500 mm
Holder Inner Diameter	150 mm
Measurement Range	5 - 50 mm

Physical Attributes

Dimensions (L x W x H)	480 x 560 x 1540 mm
Total Weight	55 kg

Design Features

Key Components

- Rack (base, column, roof, middle beam)
- Adjustable leveling pads
- Flange-type clamping ring
- Steel cone free drop device
- Guide rod system