Geotextile Dynamic Perforation Tester for Material Durability

This tester determines the dynamic perforation resistance of geotextiles. It assesses the ability of various geotextile materials to withstand steel cone penetration from a fixed height.

Product Overview

Dynamic Perforation Resistance Testing

This dynamic perforation tester is engineered to evaluate the durability of geotextile materials by simulating rock drop performance. It precisely measures the penetration ability of a steel cone dropped from a fixed height onto a horizontally clamped specimen. Designed for rigorous quality control and product development, this instrument is essential for ensuring material integrity in demanding construction environments.

Technical Specifications

Clamping Ring Diameter	150 mm
Drop Height	500 mm
Steel Cone Angle	45 °
Total Cone Mass	1000 g
Cone Quality	600 g

Dimensions and Compliance

Physical Dimensions	435 × 575 × 1600 mm
Standards Compliance	JTG E50, ISO / DIS 13433, GB / T17630

Application Scope

Industries Served

- Construction
- Building Materials
- Water Conservancy
- Electricity
- Metallurgy
- Petrochemical
- Port Infrastructure
- Road and Bridge Engineering
- Municipal Projects