

Geotextile Dynamic Perforation Tester

This tester assesses geotextile material performance against rock drop. It evaluates the penetration ability of a steel cone dropped from a fixed height on various geotextile materials.



Overview

Dynamic Perforation Testing for Geotextiles

This dynamic perforation tester is engineered to evaluate the resistance of geotechnical materials against rock drop performance. By dropping a steel cone from a fixed height onto a horizontally clamped specimen, the machine simulates real-world dynamic forces. It provides an essential method for assessing puncture resistance and overall material durability for various construction and infrastructure projects.

Compliance & Standards

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| Supported Standards | JTG E50, ISO / DIS 13433, GB / T17630 |
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Technical Specifications

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

Physical Dimensions

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|--------------------------------|---------------------|
| Machine Dimensions (L x W x H) | 435 x 575 x 1600 mm |
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Applications

Suitable Industries

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