

# 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

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

## Technical Specifications

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

## Physical Dimensions

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

## Applications

### Suitable Industries

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