



Application:

Mainly used to measure the puncture strength as well as the fabric quality to withstand aggregate penetration.

Details:

Tesca - Cone drop tester specifies a method to determine the resistance of Geosynthetics to penetration by a steel cone dropped from a fixed height. The degree of penetration is an indication of the behavior of the Geosynthetic, when sharp stones are dropped on its surface. The smaller the hole, the greater the resistance of geosynthetic/ geotextile to damage and vice versa. The specimen is clamped between two steel rings. A steel cone (45° tip angle, 1000 g) is dropped from a height of 500 mm onto the centre of the specimen. The degree of penetration is measured by insertion of a graduated cone into the hole. Graduated conical measure will be the part of standard supply.

Technical specification

- Internal diameter of Clamping : $150 \pm 0.5\text{mm}$
- Drop Height : $500 \pm 2\text{mm}$
- The angle of Brass cone : 45 degree
- The weight of Brass cone : $1000 \pm 5\text{g}$

Note: Specifications are subject to change.