



MAILESTONE INSTRUMENTS

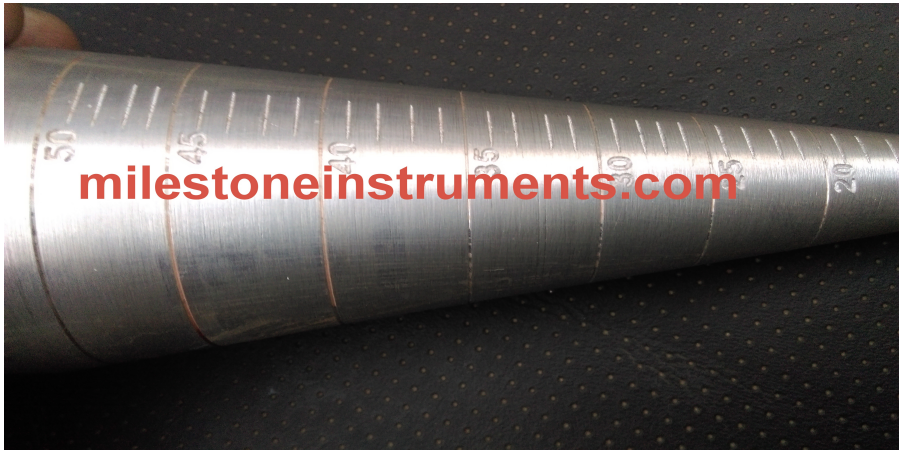
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MI.GE-1002 Cone Drop Test Apparatus



This method to determine the resistance of geosynthetics to penetration by steel cone dropped from a fixed height, as a simulation of dropping sharp stones on their surface. Generally applicable to all geosynthetics. However, the test principle may not be applicable to some types of products. 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 center of the specimen. The degree of penetration is measured by Insertion of a graduated cone into the hole.

Measuring cone is supplied with is having the 1 mm marking for 1 mm to 50 mm.



Pneumatic release cone assembly

Technical Specifications:

Inner diameter of Clamping rings	150 ± 5 mm
Mass of Drop cone	1000 ± 5 gram
Tip angle of Drop Cone	45 degree
Material of Drop cone	Stainless Steel (304)
Test Height of Drop cone	500 mm adjustable
Mass of Measuring cone	600 ± 5 gram
Marking Range of Measuring cone	1-50 mm at 10 mm readout with 1 mm marking
Size of Measuring cone	200 mm length and 50 mm diameter
Material of Measuring cone	Aluminum
Related Standard	EN - ISO-13433, BS-6906: Part 6,