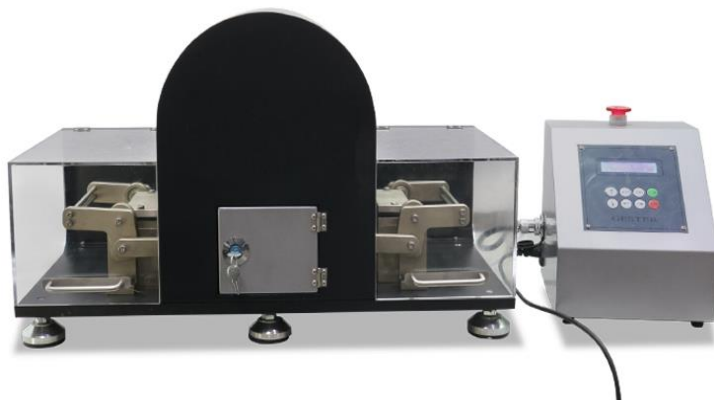


Test Method: EN ISO20344

RESOTECH FLEX RESISTANCE OF PENETRATION

RESISTANCE

MODEL NO. RESOTECH SCH-033



This machine is to determine the flexing properties of penetration-resistant inserts (midsoles) used in safety/ protective footwear. The angle of flex can be adjusted to meet the appropriate standard. A timer is provided to stop the bar once the required number of flexes has been reached so that the inserts being tested can be inspected

Application

Penetration-Resistant Inserts Flexing Tester is used to determine the flex resistance of penetration-resistant inserts for safety shoes.

Principle

Penetration Resistant Inserts Flexing Tester is designed for performing the test of resistance of safety shoe's penetration-resistant insert to flexing.

The flexing apparatus comprises a suitable flexing guide to move the free end of insert through a specified distance at a given rate, and a clamping device consisting of two elastic inter-layers 4 mm thick and shore A hardness 75 ± 5 with two metal clamping plates at least 130mm wide. The guide acts at a distance of 70mm from the clamping plates and the specimen is clamped with two fixed rods. In order to accommodate all sizes of inserts, the flexing line can be shifted by up 10 mm in the direction of the heel. The machine shall be suitable to perform the flex test at a frequency of 16 ± 1 Hz.

Features

1. This penetration-resistant inserts flexing tester owns two sets of clamps, which can be used to test on two samples simultaneously.
2. The vibration body and controller are separated to protect and extend the service life of the instrument.
3. Tester has the function of automatic stop, which means that the machine can automatically stop when reaching the preset number of flexes.
4. A digital display screen is available to indicate the real-time running data.
5. Equipped with quality accessories adding precision design to ensure the stable flexing performance.
6. The test machine is mounted with a protective cover in case that the specimen pops out by accident during the test.
7. It supports the functions of manual adjustment and reset.

SPECIFICATION

Model	RESOTECH SCH-033
Flexing Frequency	(16 ± 1) Hz
Max. Vertical Flexing Height	33 mm
Flexing Distance	70 mm
Number of Test Stations	2
Counter	LCD, 0 ~ 999,999
Power Supply	1 Phase, AC 220 V, 50/ 60 Hz or specified