



Toe protection: impact resistance

Objective

This test verifies the impact resistance of toe protectors.

Principle

A 20 kg steel striker with a hardness of 60 HRC and a 90° wedge angle is dropped on the protective tip. This represents a shock of 200 joules, and the residual height is measured to leave enough room for the toe.

Type: [Physical and mechanical test](#)

Standards: [EN ISO 20344 §5.4](#) / [EN ISO 20345 §5.3.2.6](#)

Product: [Footwear](#)

Criteria: [Mechanical risk](#) / [PEE](#)

Component: [Whole shoe](#)

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