

Metatarsal protection (M) - Impact resistance

Objective

This test verifies the impact resistance of toe protectors.

Principle

A C-steel striker with a 90° wedge angle is dropped on the metatarsal protection. This represents an impact of 100 joules. The free height after impact is then measured.

Type: [Physical and mechanical test](#)

Standards: [EN ISO 20344 §5.20](#) / [EN ISO 20345 §6.2.6.2](#)

Product: [Footwear](#)

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

Component: [Whole shoe](#)

Last modified on 2025-05-21