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Product name:	Product code:
Rope Shock Load and Dynamic Elongation Tester	CMI-IND-0217

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Description

Drop-weight fixture that applies shock loads to rope to measure dynamic elongation and impact force. Used for safety lanyards, climbing and lifting rope quality control.

Technical specification

- Test masses
- Anchor fittings
- Software

A mass is dropped on a rope sample at a defined fall factor while a load cell measures peak force. Elongation is measured through video or a draw-wire sensor. Results show how much shock the rope can absorb before failure.

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Features

- Drop height up to 5 m
- Load cell for peak impact force
- Quick release mechanism
- Draw-wire elongation sensor
- Safety cage for operator

Technical Specifications

Test Standards	EN 892, EN 1891, ISO 2307 reference
Drop Mass	Up to 100 kg
Drop Height	1 to 5 m
Force Range	0 to 30 kN
Sampling	10 kHz
Elongation Sensor	Draw-wire, 1 mm resolution
Structure	Vertical steel tower
Power	415 V AC, 3 phase

Standard Accessories