Product name:	Product code:
Rope Knot Strength Test Fixture with Tensile Machine Adaptors	CMI-IND-0214

Description

Set of grips and mandrels for tying and testing overhand and figure-eight knots in plastic rope. Used to determine knot efficiency and compare braided and twisted constructions.

Technical specification

- Mandrel set
- Clevis pins
- Storage case

Specimens are formed with a standard knot and pulled on a tensile tester using special rope fixtures. Knot efficiency is the ratio of knotted to unknotted break load. Mandrels support the rope bend radius so results are repeatable.

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Features

- Fabricated tensile grips
- Steel mandrel set for bends
- Capstan sleeves with polished surfaces
- Quick pin mounting
- Suitable for 4 to 30 mm ropes

Technical Specifications

Test Standards	ISO 2307, BS 4928 reference
Rope Range	4 to 30 mm
Fixture Capacity	100 kN
Mandrel Diameters	10, 20, 30, 40 mm
Material	Hardened steel, polished
Mount	Clevis pin 25 mm
Surface Finish	Mirror polished
Mass	Approx 18 kg set

Standard Accessories