Product name:	Product code:
Micro-Deval Abrasion Apparatus for Coarse Aggregate	CMI-IND-0014

Description

Dual-jar rotating machine that wears wet aggregate with steel balls and water to gauge durability against abrasion. Used by highway agencies and quarry QC labs for pavement aggregates.

Technical specification

- Steel ball charge
- Sieves 1.6 mm and 19 mm
- Jar gaskets

Aggregate and 5000 g of 9.5 mm steel balls are rolled with water in a closed jar at 100 rpm, simulating wet wear in service. The mass loss through a 1.6 mm sieve indicates aggregate toughness and is a reliable predictor of field performance. The machine suits qualification of base, surface and concrete aggregates.

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Features

- Two stainless steel jars of 5 litre capacity
- Roller rotation fixed at 100 +/- 5 rpm
- Digital revolution counter with preset stop
- Rubber-coated drive rollers for quiet operation
- Includes steel charge balls

Technical Specifications

Jar capacity	5 litre, stainless steel, 2 nos.
Jar speed	100 +/- 5 rpm
Counter range	0 to 99999 revolutions
Steel charge	5000 +/- 5 g of 9.5 mm balls
Jar dimensions	195 mm dia x 170 mm height (internal)
Standards	ASTM D6928, ASTM D7428, EN 1097-1
Power supply	230 V AC, 50 Hz, 0.37 kW

Standard Accessories