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Micro Deval Testing Machine



Direct determination of the most important factors affecting durability in the field and in the laboratory

Principle

The Micro Deval Testing Machine is used to determine the resistance of wear for 25-50mm size aggregates. The machine consists of a steel frame, four stainless steel cylinders, and 25kg of 10 mm diameter stainless steel spheres.

Fitted with an automatic digital counter that allows the machine to stop automatically at a preset number of revolutions. The stainless steel 200x154 drum rotates at a speed of 100 (± 5) r.p.m.



Demonstration

Dry, weighed sample with 2-L water for 1 hour
Sample and water with 5,000 g steel balls into jar; roll at 100 rpms for 2 hours
Wash sample and balls out of jar over stacked 4.75 and 1.18 mm sieves
Combine material from both sieves and dry to constant mass at 110°C



◀ Schematic Guide

Main Features

- Complete Set Easy Operation

Ordering

[AG 0120](#) Micro-Deval Apparatus complete

Accessories

[AG 0120-1](#) Stainless Steel Drum 200x154 mm
[AG 0120-2](#) Abrasion Charges, EN, 25kg of 10 mm dia

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Technical Specifications

Dimensions	1050x450x950 mm
Weight (approx.)	105 Kg
Power	550 W



Standards and Guidelines

EN 1097-1