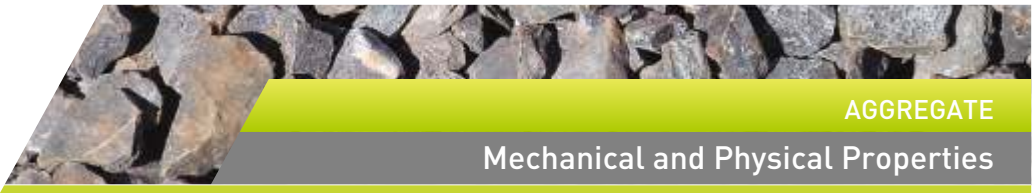
UTEST
MATERIAL TESTING EQUIPMENT



AGGREGATE

Mechanical and Physical Properties

RESISTANCE to WEAR by ABRASION from STUDDED TIRES

Product Code

UTA-0750	Nordic Abrasion Machine
UTA-0751	Steel Balls, Ø 15 mm dia, 7 kg.
UTA-0752	Steel Balls, Ø 11.1 mm dia, 3,5 kg.
UTA-0753	Stainless Steel Drum for UTA-0750

Models for 220-240V 50-60 Hz, 1 ph.	UTA-0750
Models for 110-120V 60 Hz, 1 ph.	UTC-0750-N

Standards

EN 1097-9; UNI 8520-13-16

UTA-0750 Nordic Abrasion Machine has been developed for testing the resistance of aggregates to wear by abrasion from studded tyres. The test is performed on natural or artificial stones and aggregates between 11.2 mm and 16.0 mm.

The test consists of a rotating aggregate in a drum containing steel abrasive balls and water. The machine consists of an electronic control unit and a rolled stainless steel drum having an internal diameter of 206.5 mm, internal length of 335 mm and thickness of 6 mm. The drum is rotated at a speed of 90 ± 3 r.p.m. 3 wings are installed inside of the drum to allow the balls and aggregates to be mixed properly.

The abrasion loss rate of aggregates is calculated after the specified number of revolutions stated in the relevant standard.

11,1 mm diameter steel balls (3.5 kg) should be ordered separately.

The Nordic Abrasion Machine is supplied complete with

- Stainless Steel Drum, 1 pcs.
- Steel Balls, Ø 15 mm, 7 kg

Dimensions	450x700x750 mm
Weight (approx.)	70 kg
Power	600 W

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