



LOS ANGELES ABRASION TESTER - LA ABRASION MACHINE

Los Angeles Abrasion Tester – LA Abrasion Machine ToronLA™ C131 features a durable rolled steel drum with a 12mm wall thickness, an inside diameter of 710mm, and an internal length of 510mm. The drum rotates at 31 to 33 RPM, powered by an electric motor with a speed reducer for smooth operation.

Equipped with an automatic counter, the machine allows users to set the desired number of drum revolutions. The exterior has a powder-coated finish for enhanced durability.

APPLICATIONS

- **Aggregate Testing** – Determines abrasion resistance and hardness of aggregates used in construction.
- **Highway and Road Engineering** – Evaluates durability of aggregates for pavements, highways, and airport runways.
- **Concrete and Asphalt Mix Design** – Assesses suitability of aggregates for use in concrete and asphalt mixtures.
- **Railway Ballast Evaluation** – Tests mechanical strength of aggregates intended for track ballast.
- **Quality Control in Construction Materials** – Ensures compliance with ASTM C131, EN 1097-2, and other international standards.
- **Research and Development** – Supports studies on aggregate performance and material selection for infrastructure projects.

FEATURES

- Equipped with an automatic digital counter that displays the drum's revolution count.
- Built with a heavy-duty steel cylinder drum featuring a 12mm wall thickness and a sturdy base frame.
- Includes a steel tray for easy specimen unloading.
- Designed with a full-length opening and a protective cover for noise reduction and added safety.

THEORY & METHOD

Standard:

- 1. ASTM C131
- 2. EN 1097-2
- 3. NF P18-573
- 4. UNE 83 114
- 5. UNI 8520-19
- 6. CNR NO. 34

TECHNICAL SPECIFICATIONS

SPECIFICATION	
Internal dimension	710mm×510mm(±5mm)
Rotate speed	31-33 r.p.m
Outside dimension	942x959x948mm
Abrasive charges	Set of 12 abrasive charges: 1.13/16” (7 pcs) and 1.7/8” (5 pcs). (ASTM, C.N.R)
Abrasive charges (options)	Set of 12 abrasive charges: 1.7/8” (EN)
Power	AC220V 50HZ/60HZ 750W (110V is also available)
Weight	340kg
ACCESSORIES	
EN 1097-2	

SPECIFICATION	
42-5305/01A2	Set of 12 abrasive charges: 1.7/8"
SPARE PARTS (NEED TO BE ORDERED SEPARATELY)	
42-5305/01A1	Abrasive charges: Set of 12 abrasive charges: 1.13/16" (7 pcs) and 1.7/8" (5 pcs).
42-5305/01A3	Noise reduction and safety cabinet 110kg
42-5305/01A4	Steel tray for specimen unloading
42-5305/01A5	Protect cover



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