

Abrasion

TG-300

Los Angeles Abrasion Machine

Abrasion resistance

IS 2386-4 | ASTM C131 | EN 1097-2

Steel drum machine with removable shelf and steel sphere charge for the Los Angeles abrasion value of coarse aggregate to IS 2386 (Part 4).

Request a quote | View online

Description

A hollow steel drum, closed at both ends, 700 mm in diameter and 500 mm long inside. It turns horizontally on stub shafts fixed to the ends that do not pass into the drum.

The sample goes in through an opening with a removable, bolted cover that closes dust-tight and keeps the inside of the drum round. A removable steel shelf runs the full length of the drum and sticks out 88 mm towards the centre. It is bolted firmly in place, at least 1250 mm from the opening measured round the drum in the direction of rotation.

The abrasive charge is cast iron or steel spheres, about 48 mm in diameter and 390 to 445 g each. The number of spheres depends on the grading of the sample (see the specifications). After the test, the sample is sieved on a 1.70 mm IS sieve.

Supplied ready for use with operating manual and test certificate. Contact us for configuration options, accessories and calibration services.

Technical specifications

Drum (inside)	700 mm dia × 500 mm long
Shelf	Removable steel, projects 88 mm
Speed	30–33 rpm
Spheres	~48 mm, 390–445 g each
Charge, grading A	12 spheres, 5000 ± 25 g
Charge, grading B	11 spheres, 4584 ± 25 g
Charge, grading C	8 spheres, 3330 ± 20 g
Charge, grading D	6 spheres, 2500 ± 15 g
Charge, gradings E, F, G	12 spheres, 5000 ± 25 g
Test sieve	1.70 mm IS