

# LOS ANGELES ABRASION TESTER (R191)

Category: Aggregate



**Product Code:** R191

**Category:** AGGREGATE

**Sub-Category:** PHYSICAL PROPERTIES

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- Used for testing of coarse aggregates, with a maximum size smaller than 37.5 mm (1- $\frac{1}{2}$ "), for resistance to degradation. It is considered as an indicator of the relative quality

or competence of various sources of aggregate having similar mineral compositions.

- A combination of actions including abrasion or attrition, impact, and grinding in a rotating steel drum containing a specified number of steel spheres along with the test specimen. As the drum rotates, a shelf plate picks up the sample and the steel spheres, carrying them around until they are dropped to the opposite side of the drum, creating an impact crushing effect. The contents then roll within the drum with an abrading and grinding action until the shelf plate picks up the sample and the steel spheres, and the cycle is repeated. After the prescribed number of revolutions, the contents are removed from the drum and the aggregate portion is sieved to measure the degradation as percent loss.
- Consists of a hollow steel cylinder, with a wall thickness of 12.00 mm (1/2") closed at both ends having an inside diameter of 711.00 mm (28"), and an inside length of 508 mm (20").
- The drum rotates at 31 - 33 rpm.

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## STANDARDS

ASTM C131 • ASTM C535 • EN 1097-2

## SUPPLIED WITH

- An automatic digital counter that shows the number of revolutions for the drum and will automatically stop the motor after the required number of revolutions
- Collecting tray for recovering the material and the ball load after testing
- Supplied less with abrasive charges and noise reduction cabinet (should be ordered separately)

## ORDERING INFORMATION

Code	Item
R 191 X00X T	LOS ANGELES ABRASION TESTER
R 191 X00X K	LOS ANGELES ABRASION TESTER [60 Hz]
R 191 P001 H	ABRASIVE CHARGES for AG-191 - ASTM
R 191 P002 H	ABRASIVE CHARGES for AG-191 - EN
R 191 P004 H	ABRASIVE CHARGE - Ø 46.0 mm / 400 g
R 191 P005 H	ABRASIVE CHARGE - Ø 47.6 mm / 440 g
R 191 P003 H	SOUND PROOF / SAFETY CABINET for AG-191

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*Keywords:*