



UNIVERSE

LENGTH GAUGE AZA0971

The AZA0971 Length Gauge is a precision-engineered instrument used for determining the Elongation Index of coarse aggregates, a critical parameter in assessing aggregate shape characteristics.

Aggregate shape significantly influences the strength, compaction, workability, and durability of concrete and bituminous mixes. The AZA0971 enables accurate identification of elongated particles, ensuring compliance with construction specifications and improving overall material performance in infrastructure projects.

Key Functional Features

Precision Machined Slots

- Accurate slot dimensions corresponding to standard sieve sizes
- Ensures correct identification of elongated particles

Robust Frame Construction

- Heavy-duty mild steel or stainless steel
- Corrosion-resistant for long service life

High Dimensional Accuracy

- Manufactured to strict tolerances as per IS standards

Portable & Field-Friendly

- Compact design suitable for laboratory and site testing

Durable Performance

- Designed for repeated use in demanding testing environments





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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0971
Test Type	Elongation Index of Coarse Aggregates
Slot Sizes	63, 50, 40, 31.5, 25, 20, 16 mm
Elongation Criteria	Length > 1.8 × mean sieve size
Material	Mild Steel / Stainless Steel
Frame Type	Heavy-duty, corrosion-resistant
Operation	Manual
Dimensions	Approx. 300 × 100 × 150 mm
Weight	Approx. 3 – 5 kg
Compliance	IS 2386 (Part 1), ASTM reference standards

Standards Compliance

The AZA0971 is manufactured in accordance with:

- IS 2386 (Part 1) – Methods of Test for Aggregates for Concrete
- ASTM C295 – General aggregate characterization reference

Ensuring reliable and standardized test results across laboratories and project sites.