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## **SHAPE INDEX CALIPER AZA0974**

The AZA0974 Shape Index Caliper is a precision hand-held instrument designed for the measurement of flakiness and elongation characteristics of coarse aggregates, enabling direct evaluation of the Shape Index.

Aggregate shape plays a critical role in determining the strength, compaction behavior, and durability of concrete and bituminous mixes. The AZA0974 provides a quick, accurate, and field-ready solution for verifying aggregate conformity to specification limits.

### **Key Functional Features**

#### High-Strength Construction

- Manufactured from:
  - Stainless steel
  - Hardened alloy steel
- Ensures durability and dimensional stability

#### Precision Engraved Scale

- Clearly marked measurement scale
- Ensures accurate readings and long-term visibility

#### Dual-Arm Caliper Mechanism

- Enables measurement of:
  - Thickness
  - Length

#### Manual, Power-Free Operation

- No electricity required
- Ideal for field applications

#### Ergonomic Design

- Lightweight and easy to handle
- Suitable for repetitive testing





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**TECHNICAL SPECIFICATION**

<b>Parameter</b>	<b>Specification</b>
Model	AZA0974
Product Type	Shape Index Caliper
Measurement Range	0 – 200 mm (typical)
Least Count	1 mm / 0.5 mm
Material	Stainless Steel / Hardened Alloy Steel
Operation	Manual
Scale Type	Engraved Steel Scale
Applicable Aggregate Sizes	6.3 mm to 63 mm
Compliance	IS 2386 (Part I), ASTM D4791 (reference)

**Standards Compliance**

The AZA0974 is designed in accordance with:

- IS 2386 (Part I) – Methods of Test for Aggregates for Concrete
- ASTM D4791 – Flat and Elongated Particles in Coarse Aggregate (reference method)

Ensuring accurate and standardized measurements for laboratory and field testing.