



Complies with International Standard:

- **IS: 2386 (Part-1)**

Purpose:

- This instrument is used to **determine the elongation index of aggregates.**
- A particle is considered **elongated** when its **length (longest dimension) exceeds 1.8 times** the midsize of the sieve fraction.

Significance & Use:

- This method **classifies aggregate elongation** by measuring the **length of individual particles.**
- The test is **not applicable** to material **retained on a 63.0 mm BS test sieve.**

Construction Details:

- ISI Marked
- Consists of a **hardwood base** with **vertically mounted stainless steel (S.S.) studs**
- **Eight S.S. studs** are mounted
- Aggregate is **separated into seven sieve fractions (63 mm to 6.3 mm)**; each fraction is examined individually
- **Elongation index** is determined by the **mass percentage of particles** that fail to pass between the respective pins
- **Distance between nails** is applied as per the table below:

Passing / Retained (mm)	Distance Between Nails (mm)
63 / 50	—
50 / 40	81.0
40 / 31.5	58.5

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Passing / Retained (mm)	Distance Between Nails (mm)
31.5 / 25	—
25 / 20	40.5
20 / 16	32.4
16 / 12.5	25.6
12.5 / 10	20.2
10 / 6.3	14.7

Note:

- **Electronic Weighing Balance** and **Test Sieves** (as per Table 5 of IS:2386 Part I) are **essential to perform the test** and are **available at extra cost.**

Technical Specification:

- **Overall Dimensions (L x W x H):** 17 x 3 x 4 inches **(Approx.)**
- **Weight (Approx.):** 1.320 kg

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