



Available Variants

1. Length Gauge – ISI Marked – EIE Make
2. Length Gauge – Elongation Gauge

Common Details

Complies with Following International Standards:

IS : 2386 (PART-1)

Purpose:

This instrument is used to determine the elongation index of aggregates. Particle is elongated when its length (longest dimension) is more than 1.8 of 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:

1. Consists of a hard wood base with vertically mounted studs.
2. Eight studs are mounted.
3. Aggregate to be classified is separated into seven sieve fractions from 63 to 6.3mm, and each fraction is examined separately.
4. The mass of all elongated particles (failing to pass between pins) as percent of the sample is the elongation index.
5. The distance between nails is applied according to following table.

Distance between nails (mm) Passing/Retained (mm)

-----	63/50
81.0	50/40
58.5	40/31.5
-----	31.5/25
40.5	25/20
32.4	20/16

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
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Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



Distance between nails (mm) Passing/Retained (mm)

25.6 16/12.5

20.2 12.5/10

14.7 10/6.3

Note:

Electronic Weighing Balance and Test Sieves as per Table 5 of IS:2386 Part I are essential Items to perform the test and will be available at extra cost.

Variant Details

1. Length Gauge – ISI Marked – EIE Make

1. ISI Marked.
2. Consists of a hard wood base with vertically mounted **S.S. studs**.

2. Length Gauge – Elongation Gauge

1. Consists of a hard wood base with vertically mounted metal studs.
2. Eight metal studs are mounted.

Common Specifications

Specification Details

Standard IS : 2386 (PART-1)

Variant Specifications

1. Length Gauge – ISI Marked – EIE Make

Specification Details

Overall Dimensions in Inches (L x W x H) 17 X 3 X 4

Weight (Approx.) 1.320 Kgs Approx.

2. Length Gauge – Elongation Gauge

Specification Details

Overall Dimensions in Inches (L x W x H) 3 x 16.5 x 3.5

Weight (Approx.) 1.300 Kgs Approx.

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EIE INSTRUMENTS PVT. LTD.

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