



Available Variants:

1. Proportional Calliper (ASTM D4791) - Two Fixed Post
2. Proportional Calliper (ASTM D4791) - Four Fixed Post

Compliance Standards:

- ASTM D4791

Purpose:

- Used for rapid and easy determination of the percentage of flat particles, elongated particles, or flat and elongated particles in coarse aggregates.

Significance & Use:

- Individual aggregate particles of specific sieve sizes are measured to determine the ratios of width to thickness, length to width, or length to thickness.

Construction Details:

1. Manufactured from corrosion-resistant plated steel.
2. Consists of a base plate with vertical fixed posts, rubber feet and a swinging arm mounted between the posts.
3. The openings between the arms and posts maintain a constant ratio.
4. The axis position can be adjusted to provide the desired opening ratios of 1:2, 1:3, 1:4 and 1:5.
5. Four-station model provides openings for all four ratios simultaneously without repositioning the pivot screw.
6. Moveable posts in the four-station model are replaceable.
7. Pivoting arm is 13 inches (330 mm) long as per ASTM D4791.
8. Base plate size is 6 x 16 inches (152 x 406 mm).

Technical Specifications:

Parameter	Specification
Standard	ASTM D4791
Material	Corrosion-Resistant Plated Steel
Base Plate Size	6 × 16 Inches (152 × 406 mm)
Pivoting Arm Length	13 Inches (330 mm)
Opening Ratios	1:2, 1:3, 1:4 and 1:5
Rubber Feet	Provided
Construction	Base Plate with Vertical Fixed Posts and Swinging Arm
Purpose	Determination of Flat, Elongated, and Flat & Elongated Particles in Coarse Aggregates
Measurement Ratios	Width to Thickness, Length to Width, or Length to Thickness
Configuration	Single Station / Four Station
Ratio Adjustment	Single Station: Axis Position Adjustable; Four Station: All Four Ratios Available Simultaneously

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
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Calibration Laboratory:

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
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Parameter	Specification
Pivot Screw Repositioning	Single Station: Required; Four Station: Not Required
Moveable Posts	Single Station: —; Four Station: Replaceable
Approx. Weight	Single Station: 3.0 kg; Four Station: 5.0 kg

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