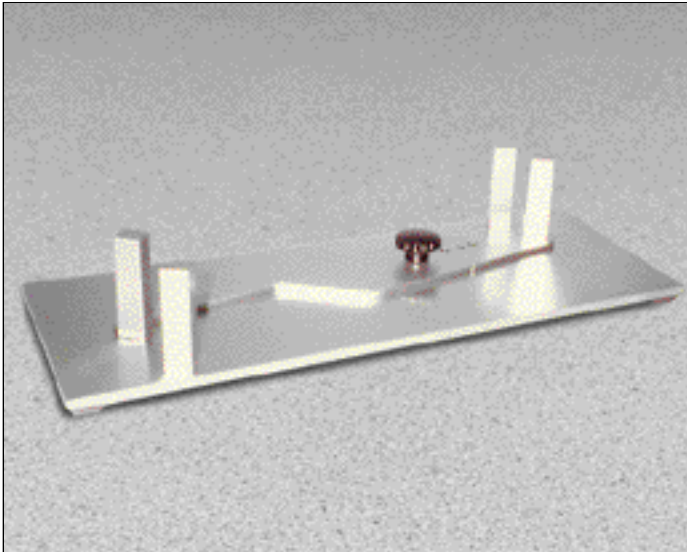




Proportional Caliper Device
ASTM D-4791.

In some construction applications, the use of flat or elongated particles of aggregates can interfere with consolidation and cause problems during placement.

The Proportional Caliper Device is used to determine the percentages of flat or elongated particles in coarse aggregates. It consists of a steel base plate with two fixed posts and a pivot mounted swing arm. The axis position can be changed to achieve the desired ratio of opening dimensions.

Specifications

Construction.	Steel, plated for corrosion resistance.
Pivot Ratios.	Stamped on plate. 2=1:2, 3=1:3, 4=1:4 and 5=1:5
Weight.	Net 7 lbs. (3.2 kg).

Ordering Information

EI42-0405.

Flakiness Gauge

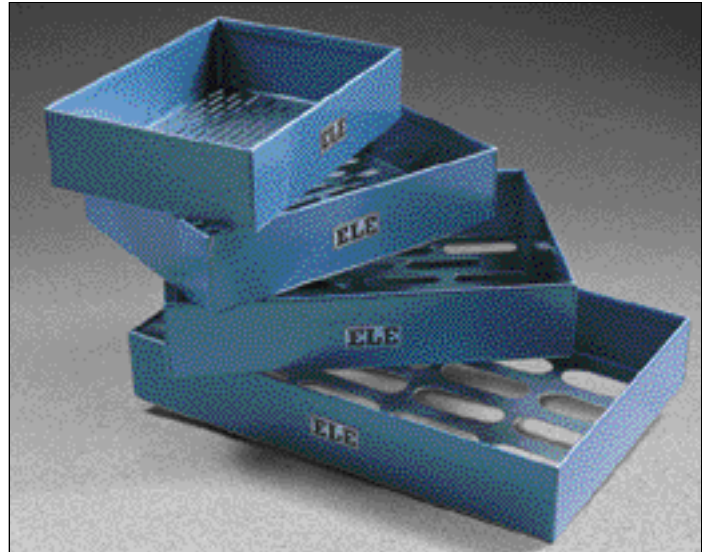
BS-812.

Aggregates that are flaky and/or elongated can often lower the workability of a concrete mix and can also affect its long-term durability. In bituminous mixtures, flaky aggregate makes for a harsh mix that can crack or break up during the compaction process.

The Flakiness Gauge is constructed of heavy-gage sheet steel and then dimensioned to BS-812 specifications.

Ordering Information

EI42-0410.



Flakiness Sieves
BS-812.

Ordering Information

Model No.	Slot Dimensions		Passing Size	Retained Size
	Width	Length		
EI42-0670	4.9 mm	30 mm	10.0 mm	6.3 mm
EI42-0680	7.2 mm	40 mm	14.0 mm	10.0 mm
EI42-0700	10.2 mm	50 mm	20.0 mm	14.0 mm
EI42-0710	14.4 mm	60 mm	28.0 mm	20.0 mm
EI42-0720	19.7 mm	80 mm	37.5 mm	28.0 mm
EI42-0730	26.3 mm	90 mm	50.0 mm	37.5 mm
EI42-0740	33.9 mm	100 mm	63.0 mm	50.0 mm



Length Gauge

BS-812.

The Length Gauge is used to classify aggregate elongation by measuring the length of individual particles. The test is not applicable to material retained on a 63.0 mm test sieve.

Ordering Information

EI42-0820.