

PROPORTIONAL CALIPER DEVICE

Determining the shape characteristics of coarse aggregates is essential for handling and/or performance of materials or mixes. The **C9600** is designed to rapidly determine the percentages of flat and elongated particles in coarse aggregate fractions of 3/8" (9.5mm) or larger. The device consists of an 8 x 16" (203 x 406mm) base plate with two fixed posts and a 13" (330mm) pivoting arm mounted between the posts so that there is an opening at the end of each arm. The pivoting arm's position is adjusted by securing a pivot screw at one of three threaded positions to provide end opening ratios of 1:2, 1:3, 1:4, or 1:5. The device is constructed from zinc plated steel and precision-tooled for accuracy.



MODELS	DESCRIPTION	STANDARDS
C9600	PROPORTIONAL CALIPER DEVICE	ASTM D-4791 / SHRP #5024

LENGTH GAUGE FOR ELONGATION INDEX

The **C9605** Length Gauge is used for determining the Elongation Index. A particle is elongated when its length (longest dimension) is more than 1.8 of the midsize of the sieve fraction. The length gauge has 6 labeled openings between pairs of metal pins for measuring length of particle from each of the 6 sieve cuts below 50mm. The mass of the elongated particles (failing to pass between pins) as percent of the sample is the Elongation Index.



MODELS	DESCRIPTION
C9605	LENGTH GAUGE FOR ELONGATION INDEX

UNIT WEIGHT MEASURES

These unit weight measures are used to determine the weight over volume of a concrete sample. The measures are constructed of heavy gauge steel. The bottoms are true and even to the sides. They are water tight and have handles for ease in carrying.



MODELS	DESCRIPTION	SIZE
C9701	UNIT WEIGHT MEASURE	1/10 CU FT
C9702		1/3 CU FT
C9703		1/2 CU FT
C9705		1 CU FT

UNIT WEIGHT MEASURES, ALUMINUM



These unit weight measures are made of cast aluminum. They are precision machined to ASTM specifications and have cast in handles. The bottoms are parallel to the sides.

MODELS	DESCRIPTION	SIZE	STANDARDS
C9711	UNIT MEASURE ALUM.	1/10 CU FT	ASTM C-29, C-138 / AASHTO T-19 T-121
C9712		1/3 CU FT	
C9713		1/2 CU FT	
C9715		1 CU FT	

ACCESSORIES	DESCRIPTION
C9714	GLASS STRIKE OFF PLATE 12" X 12" X 1/2"