# Fine Aggregate Angularity Apparatus

SG-40

**ASTM C1252; AASHTO T 304**

## INTRODUCTION

The SG-40 Fine Aggregate Angularity Apparatus determines uncompacted void content, and indicates the angularity, sphericity, and workability of fine aggregate materials.

## FEATURES

- Meets ASTM C1252 and AASHTO T304 requirements
- Glass plate for calibration of the copper cylinder is included
- Durable and lightweight construction

## OPERATING INSTRUCTIONS

These instructions are intended only as a guide to general operation of this device. Please refer to ASTM C1252, AASHTO T 304, or other appropriate test methods for the complete test procedures.

Before conducting a test, the volume of the Cylindrical Measure must be determined. Following the procedure in the test methods, calibrate the Cylindrical Measure by filling with water and placing the included glass plate across the opening.

The hole in the base of 100ml Cylindrical Measure is fitted to the locating lug on the Funnel Stand. A fine aggregate specimen is mixed with a spatula until homogeneous. Cover the bottom opening of the Funnel with a finger, and pour the prepared specimen into the Funnel. Remove your finger from the opening, allowing the specimen to flow freely into the Cylindrical Measure. Gilson recommends use of the SGA-93 Stainless Steel Pan to prevent loss of the overflow portion of the specimen. The Gilson HMA-11A straight-edged Spatula (purchased separately) is used to strike off the measure when full. The mass of the measure is then determined and the void content is computed using the appropriate formula given in the test methods.

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## REQUIRED ACCESSORIES (SOLD SEPARATELY)

**SGA-93** Stainless Steel Pan
**HMA-11A** Flat Edged Spatula

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