

# Fine Aggregate Angularity Apparatus 9102 and 9102-DJM

**ASTM C1252; AASHTO T 304**

## INTRODUCTION

The 9102 and 9102-DJM Fine Aggregate Angularity Apparatus determines uncompacted void content, and indicates the angularity, sphericity, and workability of fine aggregate materials.

## FEATURES

9102-DJM features a strike-off guide for exact alignment of the spatula blade to the top of the Cylindrical Measure. This has been experimentally shown to improve repeatability of test results between operators as well as laboratories. A 100ml copper Cylindrical Measure, specified Funnel, Funnel Stand and a Glass Plate for calibration are included.

## 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. The mass of the measure is then determined and the void content is computed using the appropriate formula given in the test methods.



**9102**



**9102-DJM**