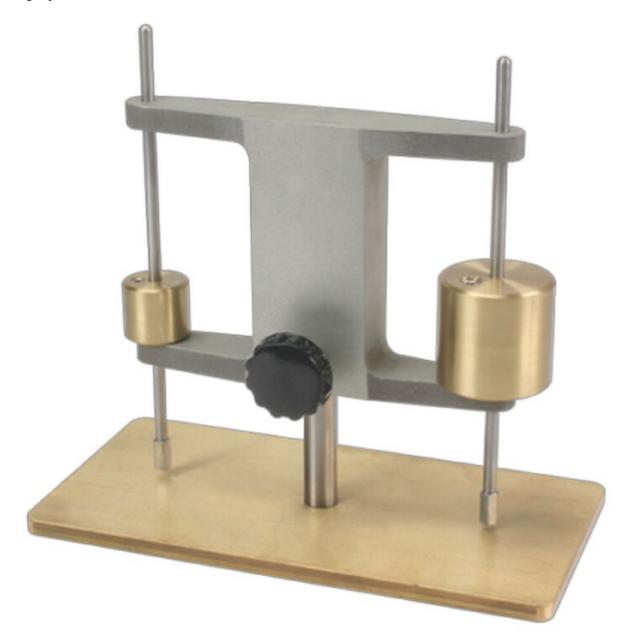
## **GILLMORE APPARATUS (C095)**

Category: Cement



**Product Code:** C095

**Category:** CEMENT

**Sub-Category:** SETTING TIME

• The Gillmore Apparatus is utilized to determine the initial and final setting times of hydraulic cement paste by employing Gillmore needles, as specified in ASTM C266.

- This method assesses whether a cement sample meets the required setting time limits, ensuring compliance with relevant standards.
- The apparatus comprises two stainless steel needles: one for initial setting time and another for final setting time, each with specified weights and tip diameters.
- The initial setting time needle has a weight of 113.4  $\pm$  0.5 g and a tip diameter of Ø 2.12  $\pm$  0.05 mm.
- The final setting time needle has a weight of 453.6  $\pm$  0.5 g and a tip diameter of Ø 1.06  $\pm$  0.05 mm.

## **STANDARDS**

ASTM C266 • ASTM C414 • AASHTO T154

## TECHNICAL SPECIFICATIONS

• Initial setting time needle:

Weight: 113.4 ± 0.5 g
 Tip: Ø 2.12 ± 0.05 mm

• Final setting time needle:

• Weight:  $453.6 \pm 0.5 \text{ g}$ • Tip: Ø 1.06 ± 0.05 mm

## ORDERING INFORMATION

Item Code
GILLMORE APPARATUS C095X00AH

Keywords: Gillmore Apparatus, cement setting time tester, ASTM C266, AASHTO T154, hydraulic cement testing, initial and final set time, cement paste testing, ALFA Testing Equipment, cement laboratory equipment, setting time determination