

OPERATING INSTRUCTIONS

Vicat Frame

38-2010

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1 Introduction

- 1.1 This apparatus is designed and manufactured to enable consistency and setting-time tests to be carried out in accordance with a large number of standards including EN 196_3, ASTM C187 and C191.
- 1.2 The vicat apparatus in its general arrangement is illustrated in figure 1.
- 1.3 For the use of correct moulds and needles necessary for satisfactory operation, refer to the relevant standards.

2 Moveable Rod and Needles

- 2.1 To ensure that a consistent weight of 300g is applied to the specimen, it is essential that the moveable rod (B) always carries the consistency plunger (G) and one needle (C or F, as illustrated in figure 1).
- 2.2 Needles not in use can be stored in the recess provided at the rear of the main frame.

3 Maintenance

- 3.1 Keep the apparatus clean, in particular the moveable rod; which can on occasion be removed entirely (by slackening the pointer setting and the locking screw) in order to clean the rod bearings, and ensure a free fall action.
- 3.2 **Note:** both ends of the moveable rod are identical, and therefore all attachments can be screwed-in either end.
- 3.3 It is not advisable, due to the occasional presence of cement particles to oil the rod.

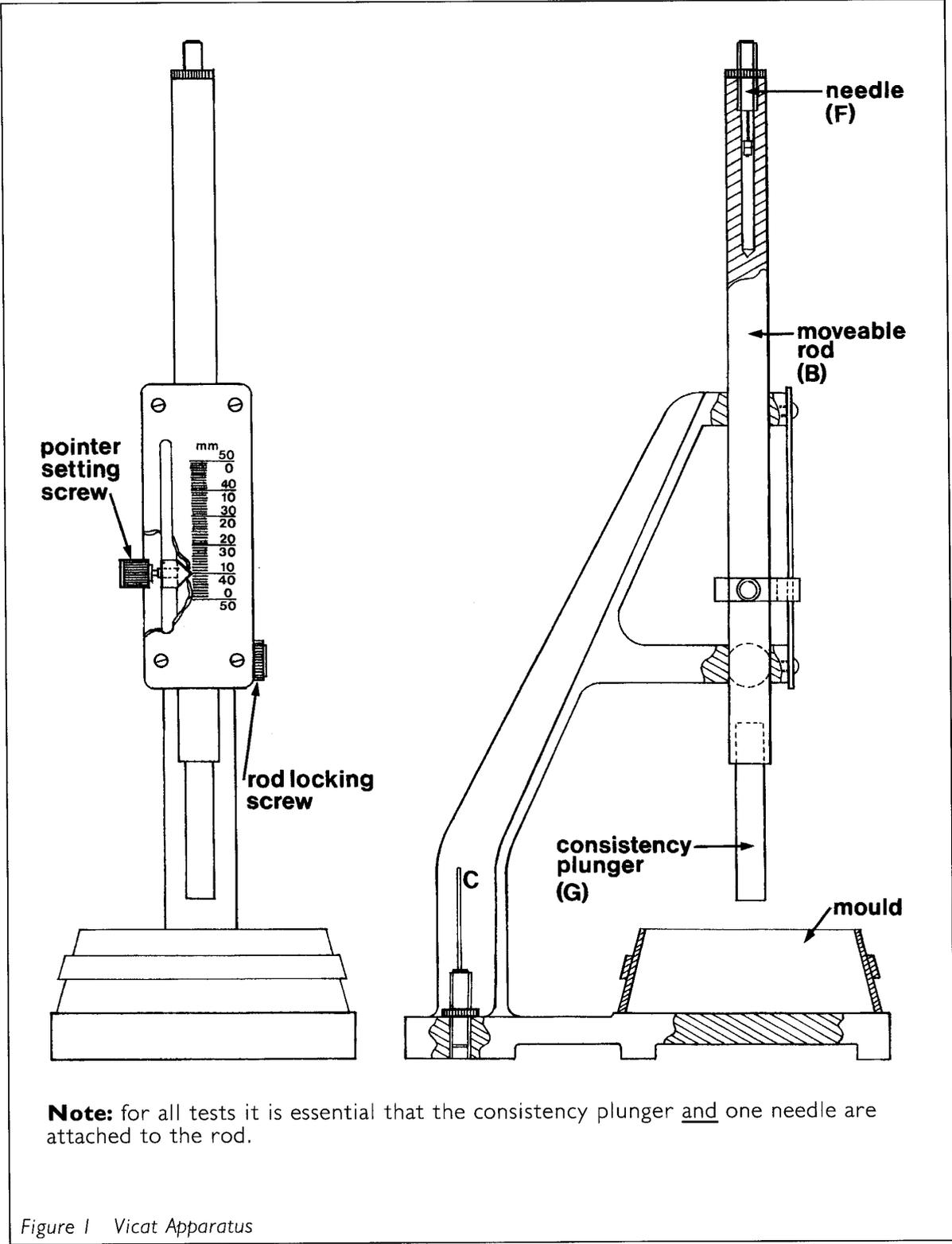


Figure 1 Vicat Apparatus