AZA LAB / MATERIAL TESTING EQUIPMENT

VICAT NEEDLE APPARATUS WITH DASHPOT

AZA0788 | TECHNICAL DATASHEET



PRODUCT OVERVIEW

The AZA0788 Vicat Needle Apparatus with Dashpot consists of a metallic frame with a freely movable rod and cap, a Vicat mould, a glass base plate, and a set of needles and plunger. The dashpot facilitates gentle lowering of the needle assembly during testing.

KEY FEATURES

- Metallic frame with freely movable rod and top cap
- Dashpot arrangement for gentle lowering of needles
- Supplied with initial-setting needle, final-setting needle and consistency plunger
- Vicat mould and glass base plate included

TECHNICAL SPECIFICATIONS

Parameter	Specification
Product	Vicat Needle Apparatus with Dashpot
Model	AZA0788
Frame	Metallic frame
Moving assembly	Freely movable rod with top cap
Needles supplied	Initial-setting needle and final-setting needle
Consistency accessory	Consistency plunger
Mould	One Vicat mould
Base plate	One glass base plate
Dashpot	Provided for gentle lowering of needles
Optional mild-steel base plate	5 in × 5 in
Optional brass mould	80 mm internal diameter at base; 70 mm internal diameter at top; 40 mm height

REFERENCED STANDARDS

IS 4031; IS 2645; IS 2542 (Part 1); IS 1727; IS 5513; IS 712; BS 12; BS 146; BS 915; BS 1370; BS 4027; BS 4246; BS 4248; AASHTO T 129; E 131.

ACCESSORIES & ORDERING NOTES

Accessories listed: mild-steel base plate (5 in × 5 in) and brass fulcrum mould (80 mm base I.D., 70 mm top I.D., 40 mm height).

Normally the needle set and mould supplied meet IS 5513 requirements. Specify the required instrument standard or specification code when ordering.

Variants for consistency determination of hydraulic cement, gypsum plaster and lime may also be supplied to the referenced ASTM and IS methods; availability and configuration should be confirmed before ordering.

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