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BRIQUETTE MOULD (SINGLE) AZA0800

The Briquette Mould (Single) AZA0800 is a precision laboratory accessory used to prepare standard cement briquette specimens for determining the tensile strength of cement mortar.

Manufactured with high dimensional accuracy, this mould produces uniform dumbbell-shaped specimens, ensuring reliable and repeatable test results in accordance with international standards. It is widely used in cement testing laboratories, quality control departments, research facilities, and academic institutions.



Key Features

- Precision single-cavity mould for standard briquette formation
- Manufactured from gunmetal brass or mild steel
- Smooth internal surface for easy de-moulding
- Accurate dumbbell-shaped cavity for consistent specimen geometry
- Corrosion-resistant construction (brass variant)
- Compatible with manual and automatic tensile strength testing machines

Applications

- Cement manufacturing quality control
- Construction material testing laboratories
- Civil engineering research and development
- Academic and training institutions
- Calibration and standards laboratories



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Working Principle

The mould is used to cast standardized briquette specimens for tensile strength testing.

Procedure:

1. Assemble and apply a thin layer of release agent.
2. Fill the mould with cement mortar mix.
3. Compact and level the surface.
4. Allow initial setting (typically 24 hours).
5. Demould the briquette carefully.
6. Cure as per standard before tensile testing.

Standards & Compliance

- IS 4031 (Part 6) – Determination of Tensile Strength of Cement
- ASTM C190 – Tensile Strength of Hydraulic Cement Mortars

Advantages

- High dimensional accuracy for reliable results
- Durable construction for long-term use
- Easy specimen preparation and removal
- Suitable for both laboratory and training purposes
- Ensures compliance with IS and ASTM standards



TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0800
Type	Single Cavity Briquette Mould
Material	Gunmetal Brass / Mild Steel
Briquette Size	75 mm × 25 mm × 25 mm (Dumbbell Shape)
Surface Finish	Smooth inner cavity
Compliance	IS 4031 (Part 6), ASTM C190
Application	Cement Tensile Strength Testing
Weight	Approx. 1.2 – 1.5 kg

Standard Supply

- Single Briquette Mould (Two-part assembly)
- Protective packaging