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BRIQUETTE MOULD (THREE GANG) AZA0800A

The Briquette Mould (Three Gang) AZA0800A is a precision laboratory accessory designed to produce three standard cement briquettes simultaneously for tensile strength testing. Engineered for high efficiency and repeatability, this mould is ideal for laboratories requiring batch testing with consistent specimen quality, making it suitable for cement plants, testing labs, research institutions, and academic facilities.



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Key Features

- Triple cavity (three-gang) design for simultaneous specimen preparation
- High precision dumbbell-shaped mould cavities
- Manufactured from gunmetal brass or mild steel
- Smooth internal finish for easy de-moulding
- Corrosion-resistant construction (brass variant)
- Compatible with all manual and motorized tensile strength testing machines
- Designed for high-throughput laboratory environments

Applications

- Cement manufacturing quality control laboratories
- Construction material testing facilities
- Research & development laboratories
- Civil engineering academic institutions
- Third-party testing and certification labs



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Working Principle

The mould is used to cast three identical briquette specimens under controlled conditions for tensile testing.

Procedure:

1. Assemble the mould and apply release agent.
2. Fill each cavity with cement mortar.
3. Compact and level the surface.
4. Allow initial setting (approx. 24 hours).
5. Carefully demould all three specimens.
6. Cure specimens before conducting tensile strength tests.

Standards & Compliance

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

Advantages

- Higher productivity with three samples per cycle
- Ensures uniform specimen preparation
- Reduces testing time and labor effort
- Ideal for comparative and batch testing
- Durable construction for long-term use



TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0800A
Type	Three Gang (Triple Cavity)
Material	Gunmetal Brass / Mild Steel
Briquette Size	75 mm × 25 mm × 25 mm (each cavity)
Number of Cavities	3
Surface Finish	Smooth polished inner surfaces
Compliance	IS 4031 (Part 6), ASTM C190
Application	Cement Tensile Strength Testing
Weight	Approx. 3.5 – 4 kg

Standard Supply

- Three-Gang Briquette Mould Assembly
- Protective packaging