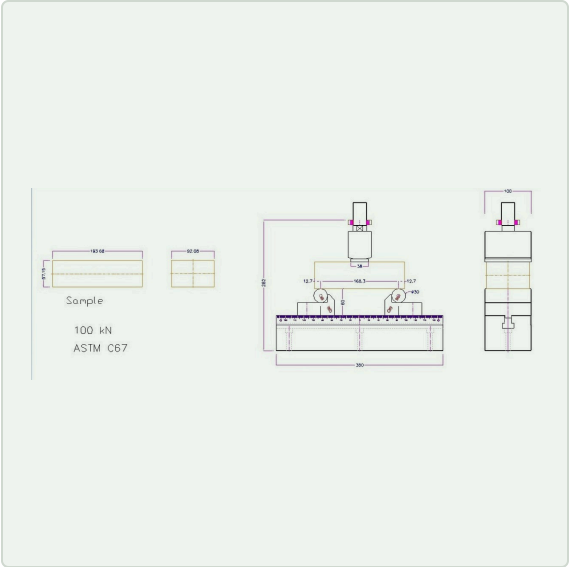
Modulus of Rupture Fixture for Brick and Clay Tile

Built to ASTM C67 — Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile



OVERVIEW

Flexure test fixture for modulus of rupture testing of brick and structural clay tile. The unit is supported flatwise on two steel supports and loaded at mid-span through a bearing that can rotate to seat evenly on the unit surface. The heavy-duty design accommodates full-size brick units.

KEY FEATURES

- Robust supports and loading bearing for full-size units
- Rotating bearing seats evenly on irregular unit surfaces
- Adjustable support span for different unit sizes
- Rigid base for stable placement in compression machines
- Supplied with adapters to suit your load frame

TECHNICAL SPECIFICATIONS

Test method	Modulus of rupture (flexure) per ASTM C67
Test type / loading	Center-point flexure, unit tested flatwise
Specimens	Full-size brick or clay tile units per ASTM C67
Load capacity	50 kN standard; higher capacities on request
Fixture material	Steel, corrosion-resistant finish
Loading members	Steel supports and rotating loading bearing
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical and servo-hydraulic universal test machines

APPLICATIONS

- Clay brick manufacturing QC
- Structural clay tile testing
- Masonry unit specification compliance
- Third-party testing laboratories

ABOUT THE STANDARD

ASTM C67 covers sampling and testing of brick and structural clay tile, including modulus of rupture (flexure), compressive strength, absorption, efflorescence, freezing and thawing, dimensions and warpage. The modulus of rupture test loads a full unit flatwise as a simple beam to determine its flexural strength. Results support compliance with brick and tile product specifications.

Ordering & customization: Specify unit dimensions, support span, required capacity and test machine connection when ordering.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures. Part ref. UGC-C67-TF