PRODUCT DATA SHEET

ASTM C307 Tensile Fixture

Briquette Tensile Grips for Chemical-Resistant Mortars

Built to ASTM C307 — Standard Test Method for Tensile Strength of Chemical-Resistant Mortar, Grouts, and Monolithic Surfacings



OVERVIEW

Briquette tensile grips for chemical-resistant mortars, grouts and monolithic surfacings per ASTM C307. Contoured jaws seat on the shoulders of the briquette and pull it in tension through its narrow waist until it breaks, giving the tensile strength of the material.

KEY FEATURES

- Contoured jaws seat on briquette shoulders without clamping
- Pivoting connections align the briquette with the load axis
- Jaw geometry matched to the C307 briquette shape
- Quick specimen loading for test series
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	Briquette tensile strength per ASTM C307
Test type / loading	Axial tension through briquette shoulders
Specimens	Molded briquettes per ASTM C307
Load capacity	5 kN standard; higher capacities on request
Fixture material	Steel, corrosion-resistant finish
Contact surfaces	Contoured jaws matched to briquette
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical and servo-hydraulic universal test machines

APPLICATIONS

- Chemical-resistant mortars
- Resin and silicate grouts
- Monolithic floor surfacings
- Product development and QC

ABOUT THE STANDARD

ASTM C307 determines the tensile strength of chemical-resistant mortars, grouts and monolithic surfacings such as resin, silicate, silica and sulfur-based materials. Molded briquette specimens with a reduced center section are pulled to failure and tensile strength is calculated from the breaking load and waist cross-section.

Ordering & customization: Specify 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-C307-TF