STANDARDS TEST FIXTURE

Steel Tire Cord Rubber Adhesion Fixture

Pull-out fixtures for steel cord to rubber adhesion to ASTM D2229 and BISFA E12



OVERVIEW

Fixtures for measuring the adhesion between steel tire cords and rubber by pulling cords out of a vulcanized rubber block. The block sits in a slotted holder while the protruding cord is gripped and pulled, recording the pull-out force. Versions to ASTM D2229 Fig. 4 and BISFA E12 Fig. 3 are rated for 5 kN; matching curing molds are available.

KEY FEATURES

- Cord pull-out from vulcanized rubber blocks
- Slotted holder retains the rubber block
- Versions to ASTM D2229 and BISFA E12
- Rated for a maximum load of 5 kN
- Locating pins for repeatable specimen position
- Matching vulcanizing molds available for specimen preparation

TECHNICAL SPECIFICATIONS

Max. load	5 kN
Test type	Cord pull-out adhesion
Specimen	Steel cords vulcanized in rubber block
Coupling	Female clevis Ø 15.9 mm (5/8 in) pin (ASTM) or Ø 20 mm pin (BISFA)
Material	Steel, nickel-plated
Temperature range	On request

AVAILABLE VERSIONS

ASTM D2229 Fig. 4 fixture	5 kN, Ø 15.9 mm pin coupling
BISFA E12 Fig. 3 fixture	5 kN, Ø 20 mm pin coupling
Specimen mold	For BISFA E12 / ASTM D2229 specimens
Bead wire mold	Brass-plated bead wire to GOST 26366 Fig. 4

APPLICATIONS

- Steel tire cord
- Tire bead wire
- Rubber compound development
- Belt and hose reinforcement

STANDARDS ASTM D2229, BISFA E12, GOST 26366

Ordering & customization: Specify the test standard, coupling and whether vulcanizing molds are required.

Drawings available on request
Contact us for dimensional drawings or 3D models of this product.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-ST-040