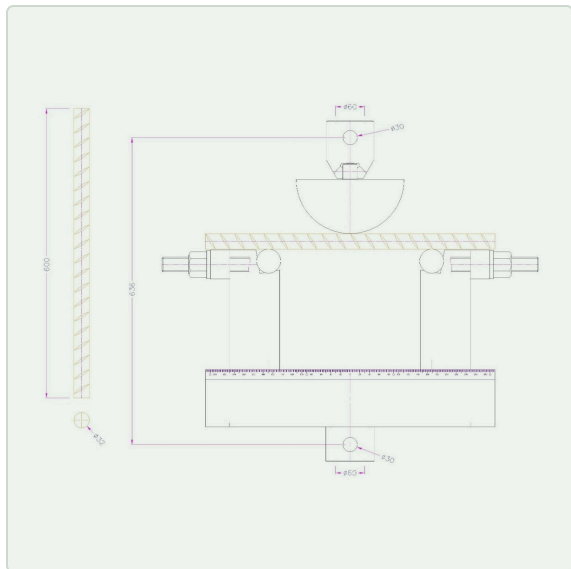


Rebar Bend Test Fixture for Deformed Reinforcing Bars

Built to ASTM A615 — Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement



OVERVIEW

Bend fixture for the rebar bend test of ASTM A615. A full-section bar is bent around a pin of the diameter specified for its bar size, with supports that keep the bar centered on the pin, so the outside of the bend can be checked for cracking after testing.

KEY FEATURES

- Interchangeable bend pins matched to bar size and grade requirements
- Bar supports keep full-section specimens centered during the bend
- Robust construction for large-diameter bars
- Tests bars in the as-rolled condition without machining
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	Bend test around pin per ASTM A615
Test type / loading	Guided bend of full-section bar around pin
Specimens	Full-section deformed or plain bars, as rolled
Load capacity	Sized to bar range; 300 kN typical, higher on request
Fixture material	Hardened alloy steel, corrosion-resistant finish
Bend pins / supports	Interchangeable hardened pins; hardened bar supports
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical and servo-hydraulic universal test machines

APPLICATIONS

- Deformed concrete reinforcing bars
- Rebar mill quality control
- Fabricator and supplier verification
- Construction materials testing labs

ABOUT THE STANDARD

ASTM A615 covers deformed and plain carbon-steel bars for concrete reinforcement in several grades. Along with tensile and deformation requirements, bars must pass a bend test: a full-section specimen is bent around a pin whose diameter depends on bar size and grade, and must not crack on the outside of the bend.

Ordering & customization: Specify bar sizes and grades to be tested, required pin diameters, 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-A615-BF