SHOULDER & BUTTON HEAD GRIPS

Split Disc Pipe Tensile Fixture

Split disc and split ring fixtures for apparent hoop tensile strength of pipe to ASTM D2290



OVERVIEW

Split disc fixture for determining the apparent hoop tensile strength of plastic and reinforced plastic pipe rings to ASTM D2290. A ring specimen cut from the pipe is placed over two half-discs, which are pulled apart to load the ring in hoop tension. Interchangeable inserts fit different pipe diameters and cover procedures A, B and C.

KEY FEATURES

- Split disc method to ASTM D2290 procedures A, B and C
- Interchangeable half-disc inserts for different pipe diameters
- Rated to 80 kN or 90 kN depending on version
- Carrier with clevis coupling for quick insert change
- Hardened, nickel-plated steel versions available for heavy use
- Split ring version for procedure A specimens

TECHNICAL SPECIFICATIONS

Max. load	80 kN (split disc); 90 kN (procedure A split ring)
Test type	Apparent hoop tensile strength of pipe rings
Insert radius	30 mm, 47 mm or 95 mm
Insert thickness	25 mm or 30 mm
Disc diameter	150 mm (single-disc version)
Material	Steel; hardened, nickel-plated version available
Coupling	Female clevis, Ø 50 mm pin, or male clevis, Ø 31.8 mm (1-1/4 in) pin hole
Operation	Manual

AVAILABLE VERSIONS

Split disc, procedures A, B, C	Carrier, female clevis Ø 50 mm, inserts R47 × 30 mm and R95 × 30 mm, 80 kN
Split disc Ø 150 mm	Hardened, nickel-plated, male clevis Ø 31.8 mm (1-1/4 in)
Split ring, procedure A	Carrier and insert R30 × 25 mm, 90 kN
Inserts only	Half-disc inserts R47 or R95 mm, 30 mm thick

APPLICATIONS

- Plastic and GRP pipe production
- Reinforced thermosetting resin pipe
- Filament-wound pipe qualification
- Pipe testing laboratories

STANDARDS ASTM D2290

Ordering & customization: Specify the pipe inside diameter and ring width, the ASTM D2290 procedure, the expected maximum load and the coupling of your testing machine.

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-SH-200