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BRAZILIAN TEST APPARATUS AZA1004

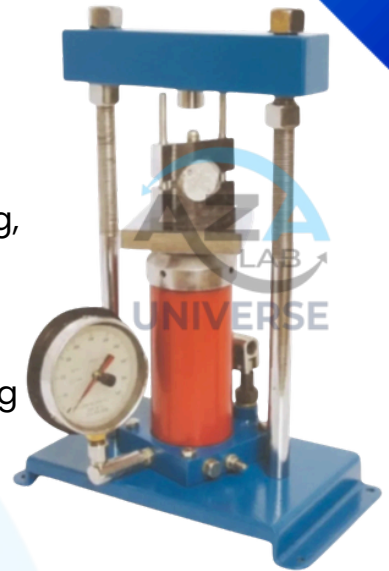
The AZA1004 Brazilian Test Apparatus is a precision-engineered device designed to determine the indirect tensile strength of cylindrical rock specimens using the standardized Brazilian (splitting tensile) test method.

Widely used in geotechnical engineering, mining, civil engineering, and research laboratories, this apparatus provides reliable evaluation of rock behavior under tensile stress conditions.

Constructed with a heavy-duty steel frame and hardened loading components, the AZA1004 ensures uniform load distribution, high stability, and repeatable test results in both laboratory and field environments.

Key Features

- Accurate determination of indirect tensile strength of rock samples
- Fully compliant with ASTM and ISRM testing standards
- Heavy-duty steel frame for high load stability
- Hardened, plated steel loading jaws for uniform stress distribution
- High-precision load transfer mechanism
- Compatible with manual, hydraulic, or universal testing machines (UTM)
- Compact and portable design for lab and field use
- Durable construction for long service life





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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA1004
Test Method	Brazilian / Splitting Tensile Test
Specimen Diameter	50 – 100 mm
Specimen Thickness	25 – 50 mm
Load Capacity	Up to 200 kN
Loading Method	Manual Screw / Hydraulic System
Frame Material	Heavy-Duty Mild Steel
Loading Jaws	Hardened Plated Steel
Standards Compliance	ASTM D3967, ISRM
Weight	Approx. 45 – 60 kg

Standard Compliance

Designed and manufactured in accordance with:

- ASTM D3967 – Splitting Tensile Strength of Rock
- ISRM Suggested Methods – Rock Testing Standards