LOAD FRAME FOR UNIVERSAL COMPRESSION TEST OF ROCKS12 SPEED 200 KN AZA1007

The AZA1007 Universal Compression Test Load Frame is a heavy-duty mechanical and hydraulic testing system designed for determining the uniaxial compressive strength (UCS) and deformation characteristics of rock core specimens.

Engineered for precision, stability, and durability, this machine is widely used in geotechnical laboratories, civil engineering institutions, mining operations, tunneling projects, and research organizations. With a 200 kN load capacity and 12-speed gearbox control, the AZA1007 enables accurate, controlled, and repeatable load application across a wide range of rock types.

Its rigid steel frame construction minimizes deformation under load, ensuring consistent test results and long-term operational reliability.

Key Features

- High-capacity 200 kN load frame for rock strength testing
- 12-speed mechanical gearbox for precise load rate control
- Heavy-duty, rigid steel frame for maximum stability
- Precision-machined hardened steel platens
- Accurate axial alignment system for uniform loading
- Smooth and controlled load application mechanism
- Optional digital system for data logging and PC connectivity

TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA1007
Type	Universal Compression Load Frame
Load Capacity	200 kN
Speed Control	12-Speed Mechanical Gearbox
Platen Diameter	150 mm
Maximum Sample Height	Up to 300 mm
Specimen Type	Rock Cores Ø50 – 100 mm
Frame Material	Heavy-Duty Powder-Coated Steel
Data System	Optional Digital & PC Interface
Power Supply	220 – 240 V AC (Manual Variant Available)
Machine Weight	Approx. 250 kg
Standards Compliance	ASTM D7012, ISRM Suggested Methods

Standard Compliance

- ASTM D7012 – Uniaxial Compressive Strength of Rock Core Specimens
- ISRM Suggested Methods – Rock Testing Standards