ROCK BOLT PULL OUT TEST APPARATUS AZA1006

The AZA1006 Rock Bolt Pull-Out Test Apparatus is a high-precision, field-grade hydraulic testing system designed to evaluate the anchoring strength and load-bearing capacity of rock bolts, anchor bars, and grouted tendons directly in-situ. Widely used in mining, tunneling, underground excavation, dam construction, and slope stabilization projects, this apparatus enables engineers to verify the integrity and performance of installed support systems before commissioning. By applying controlled tensile loads, the AZA1006 accurately measures both ultimate pull-out force and displacement, providing critical insight into grout bonding quality, rock mass interaction, and installation effectiveness.

Key Features

- In-situ testing of rock bolt anchoring strength
- High-precision hydraulic pull mechanism
- Manual hydraulic pump for controlled load application
- Pressure gauge for real-time load monitoring
- Dial gauge for displacement measurement (digital optional)
- Universal gripping system for multiple bolt sizes
- Rugged, portable construction for underground environments
- Quick setup and user-friendly field operation

TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA1006
Maximum Load Capacity	100 – 200 kN (Model Dependent)
Load Application	Manual Hydraulic Pump
Load Measurement	Analog Pressure Gauge / Digital Optional
Bolt Diameter Range	12 mm – 25 mm
Displacement Measurement	Dial Gauge (Digital Optional)
Construction	Heavy-Duty Steel Frame
Portability	Rugged Field Portable Design
Standards Compliance	ASTM D4435, ISRM Suggested Methods
Accessories	Grips, Adaptors, Carrying Case
Parameter	**Specification**

Standard Compliance

- ASTM D4435 – Rock Bolt Pull-Out Strength
- ISRM Suggested Methods – Rock Mechanics Field Testing