



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

ROCK SHEAR TEST APPARATUS



This apparatus is designed for determining the strength and slope stability of rock samples with a maximum size of 115 x 125 mm or core samples up to Ø 102 mm. Suitable for use both in the field and in laboratory settings, it includes:

- **Dual Horizontal Rams:** Enables shear testing in two directions.
- **Vertical Loading Ram:** Provides controlled vertical load application.
- **Load Gauges:** Equipped with two 150 mm diameter Bourdon tube load gauges, calibrated for 50 kN with 1 kN divisions, and featuring quick-release couplings for ease of setup.
- **Hydraulic Hand Pumps:** Includes two hand pumps with hydraulic connections for precise load application.
- **Precision Dial Gauge:** Offers 25 mm measurement range with 0.01 mm resolution for accurate displacement readings.

Technical Specification

•Shear box size	: 160X150X200mm (LWH)
•Load Application	: Hydraulic via two single speed hand pump
•Pressure gauge	: 2 Nos.
•Least count for load	: 1 kN
•Dial Gauge	: 2 numbers
•Horizontal Displacement	: Dial gauge 25 mm travel x 0.01 mm
•Dimensions (LxWxH)	: 480x730x250(Package)
•Total weight	: 120 kgs
•Read out	: Analog
•Pumping	: Manual

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