



●● **HR72.450**

**Rock Bolt Pull Out Test Apparatus**

As per B.I.S. - 11309, ASTM D4435, ISRM.

In general the pull out force is indicated on load gauge, however a load cell can be used for the measuring of pull out load. Arrangement is provided for fixing dial gauge for estimating deflection against the load.

**HS29.15** 25mm x 0.01mm

**ACCESSORY**

Load Cell with central hole

- HR72.455**            200kN
- HR72.460**            1000kN
- HR72.465**            1500kN

HR72.470 Digital display unit for one load cell - 3fi digits.



**HR72.450**

The objective of the test method is to measure the working and ultimate capacities of rock bolt anchors.

Different size of adopters are provided with the high tensile test rod.

The system comprises of a central hole jack, hand pump with load gauge, directional control valve (only for central hole jacks above the capacity of 500kN), flexible pipes, truss high tensile test rod with coupling.

**Adopters**

- HR72.450.1**            Thread size M20LH
  - HR72.450.2**            Thread size M25LH
  - HR72.450.3**            Thread size M30LH
  - HR72.450.4**            Thread size M32LH
- Dial Gauge**

Catalogue No.	Capacity in kN	Central Bore mm	Collapsed Height mm	Std. test rod
HR72.400	100	21	155	M20
HR72.405	150	21	170	M20
HR72.410	200	40	185	M39
HR72.415	600	52	430	M39
HR72.420	1200	52	365	M39