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## Rock Bolt Pull Out Test Apparatus ZI 6013

Standards: IS 11309, ASTM D 4435

Specification:

The objective of the test method is to measure the working and ultimate capacities of rock bolt anchors. The system comprises of a central hole jack, hand pump with a load gauge, directional control valve (only for central hole jacks above the capacity of 500 kn), flexible hose pipe 5 mts, truss high tensile bolts with coupling. In general the pull out force is indicated on the load gauge, however a load cell with digital indicator can be used to measure the pull out load. Arrangement is provided for fixing the dial gauge for estimating deflection against the load.

