

Product Name :
Large Shear Testing Machine

Product Code :
TEST5194RFQLAB-0021



Description :

Large Shear Testing Machine

Technical Specification :

Large Shear testing machine

Sample size: up to 300 mm square. Can be reduced to 150 mm sample insert for 300 mm shearbox

Shear and vertical force: 100 kN

Speed range: infinitely variable from 0.00001 to 11.00000 mm/min

Max. travel: 75 mm

Consolidation steps: up to 50

Automatic test management from consolidation to failure: the operator is only requested to remove the clamping screws of the shear box

Straight connection between shear box, drive unit and load cell for the axial transmission of the horizontal force along the shearing plane, instead of the classic "swan neck"

Easy and immediate set up of the test parameters via the large digital graphic display

Possibility to set different speeds and travel (forward and reverse) in the residual shear tests

Each single step of axial force can be applied instantaneously or by means of a linear ramp in a pre-set time interval.

Data acquisition: RS-232 serial port for use with direct and residual geo-analysis templates

Accessories: 150 mm square sample insert for 300 mm shearbox

Data processing software:

Direct and residual geo-analysis templates conforming to BS 1377:7s



Testing lab instruments India