DIRECT SHEAR TEST

S 59

Manually and Electrical operated Direct/Residual Shear Apparatus
BS 1377, ASTM D3080

- Microprocessor Control
- LCD Display Screen
- Direct Entry Via Touch Sensitive Keyboard
- Rapid Adjustment for Return and Reset
- Fully Variable Speed Range from 0.00001 to 9.99999mm/minute
- Accept Specimen up to 100mm square
- Rapid Forward / Reverse 10mm per minute for Fast Setting
- Lever arm ratio 10:1
- Max. Shear Effort: 10,000N
- RS 232 serial port
- Power: 240V, 50hz, 1ph

These to determine the shear load, vertical consolidation and horizontal shear movement of the soil specimen that is enclosed within a robust metal box horizontally split into two halves and provided with a vertical plunger.

■ **S 59 with accessories**

The Shear Box Apparatus premises the testing of specimens of 60mm, 70mm, 100mm, 2.5"diameter both square and circular. The speed rate is control by electronic stepper motor that can keep consistent under load stress. A rapid adjustment is also provided and safety limit switch are prevent over strain and overloading of the apparatus. The Shear Box apparatus is supplied without Shear Box Assembly, Load Ring, Vertical / Horizontal of dial gauge and weight set.

Accessories and part

S 59/A Shear box 60mm size with 2nos perforated retaining plates, 2nos non-perforated retaining plate, connection pins and 2nos porous disc.
S 59/B Shear box 100mm size with 2nos perforated retaining plate, 2nos non-perforated retaining plate, connection pins and 2nos porous disc.
S 59/C Shear box 2.5" diameter with 2nos perforated retaining plate, 2nos non-perforated retaining plate, connection pins and 2nos porous disc.
S 59/D Weight set for 60mm size specimen, 1no each. 0.5kg, 1kg, 2kg, 4kg, 8kg and 16kg.
S 59/E Weight set for 100mm size specimen, 1no each 0.25kg, 0.50kg, 1kg, 2kg, 5kg and 7nos 10kg.
S 72/B Dial gauge 12mm x 0.002mm, for vertical load.
S 72/C Dial gauge 25mm x 0.01mm, for horizontal displacement.
UR 5 Load ring 5kN fitted with dial gauge 12mm x 0.002mm per division with calibration certificate.