SOIL > SHEAR STRENGTH

DIRECT SHEAR TESTING MACHINE (Conventional)

Code : T220



- Used to determine the resistance of soil against shear forces applied on it.
- The device is equipped with a TFT touch screen, load cell with a capacity of 5 kN.
- The loading speed varies from 5 – 0.00001 mm/min.
- Supplied with vertical and horizontal LVDTs, beam loading device, shear box (either 60 mm diameter or 60x60 mm square box) and weight set.

STANDARDS

ASTM D3080 • BS 1377-7

TECHNICAL SPECIFICATIONS

- TFT Graphical System

- Shear force measurement by Load Cell
- Maximum Shear Force: 5000 N
- Maximum Vertical Load: 500 N / 5000 N (using 10:1 loading arm)
- Speed Range: 0.00001 - 5.00000 mm/min
- 220 - 240 V / 50 - 60 Hz

EQUIPPED WITH

- Electronic Deformation Sensor (Vertical and Horizontal)
- Beam Loading Arm

SUPPLIED WITH

- Software
- Shear Box 60 mm dia. or 60 mm square (To be specified at the time of order)
- Weight Set (3 x 10 kg, 2 x 5 kg, 3 x 2 kg, 3 x 1 kg, 2 x 0.5 kg)

ORDERING INFORMATION

Item Name	Item Code
DIRECT SHEAR TESTER (Conventional Model)	T220A10XU
LARGE DIRECT SHEAR TESTER - 300 mm	T220A30XU
LARGE DIRECT SHEAR TESTER - 500 mm	T220A50XU
SHEAR BOX ASSEMBLY - Ø 60 mm	T220P001H
SHEAR BOX ASSEMBLY - Ø 100 mm	T220P002H
SHEAR BOX ASSEMBLY - 60 x 60 mm	T220P003H
SHEAR BOX ASSEMBLY - 100 x 100 mm	T220P004H

LOADING TOP CAP - Ø 60 mm(for DIRECT SHEAR)	T220P005H
POROUS DISCS - Ø 60 mm (for DIRECT SHEAR)	T220P006H
POROUS STONES - Ø 60 mm (for DIRECT SHEAR)	T220P007H
CUTTING EDGE - Ø 60 mm (for DIRECT SHEAR)	T220P008H
EXTRUSION DOLLY - Ø 60 mm (for DIRECT SHEAR)	T220P009H
LOADING TOP CAP - 60x60 mm(for DIRECT SHEAR)	T220P010H
POROUS DISCS - 60x60 mm (for DIRECT SHEAR)	T220P011H
POROUS STONES - 60x60 mm (for DIRECT SHEAR)	T220P012H
CUTTING EDGE - 60x60 mm (for DIRECT SHEAR)	T220P013H
EXTRUSION DOLLY - 60x60 mm (for DIRECT SHEAR)	T220P014H
POROUS DISCS - Ø 50 mm (for DIRECT SHEAR)	T220P015H
POROUS STONES - Ø 50 mm (for DIRECT SHEAR)	T220P016H
CUTTING EDGE - Ø 50 mm (for DIRECT SHEAR)	T220P017H
EXTRUSION DOLLY - Ø 50 mm (for DIRECT SHEAR)	T220P018H
LOADING TOP CAP - Ø 50 mm(for DIRECT SHEAR)	T220P019H
SHEAR BOX ASSEMBLY - Ø 50 mm	T220P020H
POROUS STONES - 100x100 mm (for DIRECT SHEAR)	T220P021H