

DIRECT SHEAR TESTER (Conventional Model) (T220)

Category: Soil



Product Code: T220

Category: SOIL

Sub-Category: SHEAR STRENGTH

- 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 60×60 mm square box) and weight set.
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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	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 – 60×60 mm(for DIRECT SHEAR)	T220P010H
POROUS DISCS – 60×60 mm (for DIRECT SHEAR)	T220P011H

POROUS STONES - 60×60 mm (for DIRECT SHEAR)	T220P012H
CUTTING EDGE - 60×60 mm (for DIRECT SHEAR)	T220P013H
EXTRUSION DOLLY - 60×60 mm (for DIRECT SHEAR)	T220P014H
DIRECT SHEAR TESTER (Electromechanical Model)	T221A10XU
WEIGHT SET - 50 kg	T215X050H
WEIGHT SET - 64 kg	T215X064H
WEIGHT SET - 80 kg	T215X080H

Keywords: