

DIRECT SHEAR TEST MACHINE

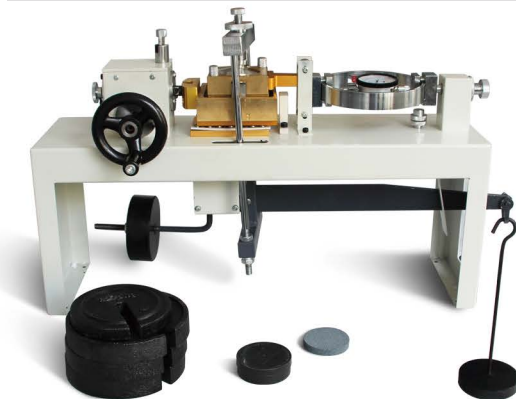
STANDARD: ASTM D3080, BS 1377:7, AASHTO T236 NF P094071-1/2

To determine the shearing strength of the soil using the direct shear apparatus.

In many engineering problems such as design of foundation, retaining walls, slab bridges, pipes, sheet piling, the value of the angle of internal friction and cohesion of the soil involved are required for the design. Direct shear test is used to predict these parameters quickly. The laboratory report cover the laboratory procedures for determining these values for cohesionless soils.

EDJ-1 ▶

Max vertical load	400KPa
Vertical load	50KPa, 100KPa, 200KPa, 300KPa, 400KPa
Corresponding weight	1.275, 2.55, 5.1, 7.65, 10.2kg
Lever ratio	1:12
Level shear force	Max. 1.2kN
Sample area(cm ²)	30, height 2cm
Shear rate(mm/min)	0.02, 0.8, 2.4
Power source	220V±10%, 50Hz
Dimension(mm)	850×550×1100(L×W×H)
Weight	40kg



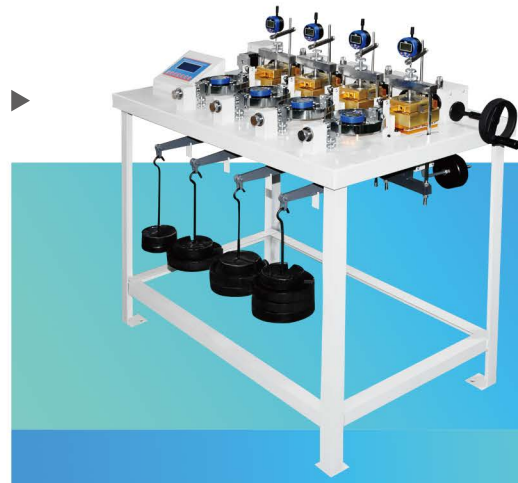
◀ ZQB-4

Soil sample area	30cm ² ×2cm(H)
Vertical load	50KPa, 100KPa, 200KPa, 300KPa, 400KPa (hanger is first grade)
Lever ratio	1:12
Level shear force	Max. 1.2kN
Sample area(cm ²)	30
Power source	Manual
Corresponding weights' weight (kg)	1.275, 2.55, 5.1, 7.65, 10.2

ELECTRIC SHEAR TEST MACHINE (QUADRUPLET) DSJ-3 ▶

* Dial indicators need to be ordered separately.

Vertical load	50KPa, 100KPa, 200KPa, 300KPa, 400KPa
Lever ratio	1:12
Shear box quantity	4
Level shear force	Max. 1.2kN
Sample area	30cm ² , 2cm height
Shear rate(mm/min)	Stepless speed regulation, with digital display controller.
Power	<100W
Power source	220V±10%, 50Hz
Dimension(mm)	680×740×1050(L×W×H)
Weight	200kg



◀ DUODENARY SHEAR TEST MACHINE ZY-3

* Dial indicators need to be ordered separately.

Vertical load	400KPa, 300KPa, 200KPa, 100KPa, 50KPa
Lever ratio	1:12
Max load	1.2kN
Load method	Weight
Sample area(cm ²)	30
Soil sample container quantity	12, sample 36 at the same time
Dimension(mm)	760×880×1100(L×W×H)
Weight	220 kg (include weights)