

Direct Shear 300mm & 100mm

ASTM D 5607 Direct Shear Strength | Test Method Q181C: Effective angle of internal friction

We use the latest fully automated Soil & Rock Direct Shear Machines that offer a far more accurate way to obtain reliable results without any need for manual intervention using the latest 300mm and 100mm Direct Shear Machines.

An accurate determination of soil shear strengths in the laboratory is essential to cost-effective design and planning for geotechnical projects.

Samples may be soil in-situ, or soil remoulded specimens, intact rock, or rock discontinuities (joints, faults, fractures, bedding planes, shear zones etc). Discontinuities may be open, partially or completely healed or filled by clay.

Materials Tested:

- Soil
- Concrete
- Sand
- Rock
- Aggregate

Direct Shear Interface Testing

A potential weak zone (either natural or manufactured) consists of 2 or more interfaces that need to be assessed individually and or collectively since the interface with minimum shear strength will dominate the overall behaviour.

Innovation and customised testing is our strength, talk to us regarding the interpretation of cohesion (or adhesion) and friction angle in direct shear interface testing on many different material types.

