

RING SHEAR TEST APPARATUS

Model No. DTA-138



* The above shows DAC-193

(2 units type Specimen consolidation apparatus)

* The left shows DTA-138.

FEATURES

1. It can make extreme large deformation over the maximum shearing strength because of the rotary shearing of ring specimen. Therefore, it is very suitable to measure the residual strength of over consolidated clay for thinking about "Large deformation in long term (for example, landslide, etc.)".
2. The ingenious measuring system can measure the side friction between the specimen and the ring accurately. In addition to, it is possible to accurate load and measure the stress because every rotary section takes ball bearing system, etc.

APPLICATION: Investigation of soil characters of shear strength & deformation

SPECIFICATION

1. Specimen size: Dia.150mm x Dia.100mm x 20mmH, Sectional Area 98.16cm²
2. Shearing torque: 400N-m (4000kg-cm)
3. Consolidation loading: 500kPa
4. Rotary shearing speed: 2 to 0.004mm/min. at the specimen's central diameter
5. Transducer: Shearing torque: 2kN, Vertical displacement: Dial gauge transducer 20mm, 1/100
Side friction load cell: 1kN, Vertical loading load cell: 5kN

Option: Data logger, Specimen consolidation apparatus (Model No. DAC-193), Specimen setting former & Air compressor



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