

# Dynamic Simple Shear 2D (Saturated)



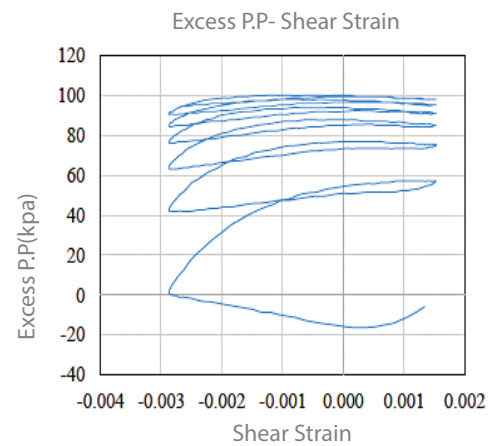
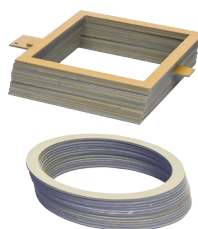
Global Material Testing Manufacturers



DIAGRAM

COMPONENTS

ACCESSORIES



# Dynamic Simple Shear 2D (Saturated)

## Global Material Testing Manufacturers

### Dynamic Simple Shear 2D (Saturated) Designation: ASTM D6528

#### General info.

Product ID	MTM-DSS 2D-SAT
Software	MTM-DSS
Function	Soil Simple Shear Testing
Speciality	Dynamic Loading in Constant Volume/Stress/Stiffness Condition

#### Specifications

Load Frame Capacity	20 kN
Max. Load	5 kN in Normal/Shear Direction
Displacement Range	25 mm
Saturating Board Capacity (Optional)	Up to 10 bar Pressure
Sample Diameter	70 & 100 mm
Measurement Precision	Load: 1 N
	Displacement: 0.01 mm
	Volume Change: 0.3 cm <sup>3</sup>
	Pore Water Pressure (Optional): 0.1 kPa
Control Types	Constant Normal Stiffness Control (Optional)
	Monotonic Stress/Strain Control
	Cyclic Stress/Strain Control
	User Defined Stress/Strain Control
Frequency	Up to 1 Hz
Data Logging Frequency	Up to 100 Points per Sec.
No. of Acquisition Channel	16 Channel 16/24-bit
Communication Port	Ethernet
Data Transfer	10 to 100 Mb/s
Capabilities	True Shear Deflection
	Anisotropic Consolidation
	Saturating System (Optional)
	Constrained Modulus (M)
	Liquefaction Assessment
	Shear Stiffness Modulus, Maximum Shear Stiffness & Degradation Curve
	Damping Ratio