



QuakeLogic Product Data Sheet

Geobox (Sandbox) for Geotechnical Testing

Model: QL-GEOBOX-15 | Made in USA

Overview

- The Geobox (Sandbox) by QuakeLogic is a state-of-the-art testing enclosure engineered to support advanced geotechnical experiments on shake tables. Designed for liquefaction, lateral spreading, and slope stability simulations, it offers unparalleled reliability and performance.
- Built with corrosion-resistant materials and field-tested for rugged conditions, the Geobox brings precision and durability to research laboratories and universities alike.
- Whether you're exploring ground failure mechanisms or evaluating mitigation techniques, Geobox is your trusted experimental platform.



Technical Specifications

Parameter	Specification
Material	High-strength, corrosion-resistant alloys and polymers
Dimensions	15 x 15 inch (38.1 x 38.1 cm)
Weight Capacity	Up to 50 kg of soil and test material
Operating Temperature	-20°C to 60°C
Sealing	Leak-proof for soil and water containment
Mounting	Universal easy-mount hardware included



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Drainage	Integrated outlet for controlled water discharge
Viewing Access	Open-top with transparent side panels for visualization
Vibration Resistance	Engineered for high-intensity shake table simulations
Maintenance	Modular design for cleaning and part replacement
Standards Compliance	ASTM & ISO standards for geotechnical testing
Compatibility	Works with QuakeLogic and most third-party shake tables

Key Features

- High Precision: Accurate replication of geotechnical failure mechanisms
- Durable Construction: Built for rugged and repetitive use
- Leak-Proof Design: Prevents leakage of test media
- Quick Installation: Includes universal mounting hardware
- Enhanced Visualization: Transparent walls for real-time monitoring
- Modular System: Easily replace or upgrade components
- Broad Compatibility: Integrates with a wide range of shake tables

Frequently Asked Questions (FAQs)

- What is the Geobox used for?
The Geobox is designed for geotechnical simulations such as liquefaction, lateral spreading, and slope failure using shake tables.
- Is the Geobox compatible with all shake tables?
Yes. It is compatible with all QuakeLogic shake tables and most third-party platforms using universal mounts.
- Can the Geobox be customized?
Yes. Custom dimensions, materials, and features can be provided upon request.
- How easy is the installation process?
Installation is straightforward with provided universal mounting hardware.
- Is the Geobox durable enough for demanding experiments?
Absolutely. It is designed using corrosion-resistant alloys and polymers for high-load dynamic testing.
- Can I use the Geobox with non-QuakeLogic shake tables?
Yes. The Geobox includes standard mounting features for compatibility with most commercial shake tables.