



# RIDG-U-RAK®

## **SEISMIC** System

Featuring Base Isolation Technology

A new, high-tech base isolated rack storage system ideal for retail warehouse clubs and big box retailers using steel storage racks located in moderate to high seismic areas.



*RIDG-U-RAK's patent pending base isolation system*



*Identically configured fixed base rack system*

During intense earthquake simulations, RIDG-U-RAK's patent pending base isolation system held its shrink wrapped and banded merchandise while an identically configured fixed base rack system proved very dangerous...shedding nearly its entire load!

**Whether your concerns are for product loss, operating efficiencies or reducing risk... during a major earthquake, no other storage rack can offer the proven performance of RIDG-U-RAK's Base Isolation System.**



# RIDG-U-RAK



**RIDG-U-RAK's Base Isolated storage system was tested at a full 200% of seismic qualification with little or no merchandise shedding or rack damage.**

**Positioned under the rack's columns, these high tech base isolators reduce the effects of violent ground forces created during an earthquake.**



**Conventional Fixed Rack during a 30 second AC156 200% Earthquake Simulation**

**RIDG-U-RAK's Base Isolated System during the same 30 second AC156 200% Earthquake Simulation**



**Growing Concern of Rack Performance in Seismic Areas**

- Dramatic growth in retail warehouse clubs and big box retailers using high cube steel storage racks.
- Possible falling merchandise and rack failures creates increased risk of personal injury or loss of life
- Concerns lead FEMA to create new guidelines for rack structures used in these stores

**Seismic Simulations and Test Protocols**

- RIDG-U-RAK conducted 5 weeks of shake table testing at the Structural Engineering Earthquake Simulation Laboratory at the State University of New York at Buffalo
- More than 100 earthquake simulations were performed on fixed base and base isolated rack structures
- Followed AC156 *Accepted Criteria For Seismic Qualification by Shake-Table Testing of Nonstructural Components and Systems* to achieve performance levels as outlined in FEMA 460 *Seismic Considerations for Steel Storage Racks Located in Areas Accessible to the Public.*

**RIDG-U-RAK's Base Isolation System**

- Applies proven base isolation technology to reduce the violent ground forces exerted on racks during an earthquake
- Does not obstruct daily operations in any way
- Does not impede stocking racks
- Can be moved during warehouse reconfiguring
- Is a one time investment to reduce risk of product loss and personal injury during an earthquake

**See it in action!**  
**FREE Video & Brochure**

**Reduce your company's risk...  
 install Base Isolated rack only from Ridg-U-Rak**



**RIDG-U-RAK**

**Call 1.866.479.7225**  
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