



BRINGING YOU THE BEST IN CARGO SAFETY AND SECURITY

Walnut Industries has been developing and manufacturing unique and innovative solutions for the transportation industry since 1981. We strive to deliver high quality, dependable and cost-effective approved cargo restraint technologies to intermodal shippers. We utilize the world's finest raw materials and high tenacity fibers and continuously seek to improve our ISO 9001 accredited process.

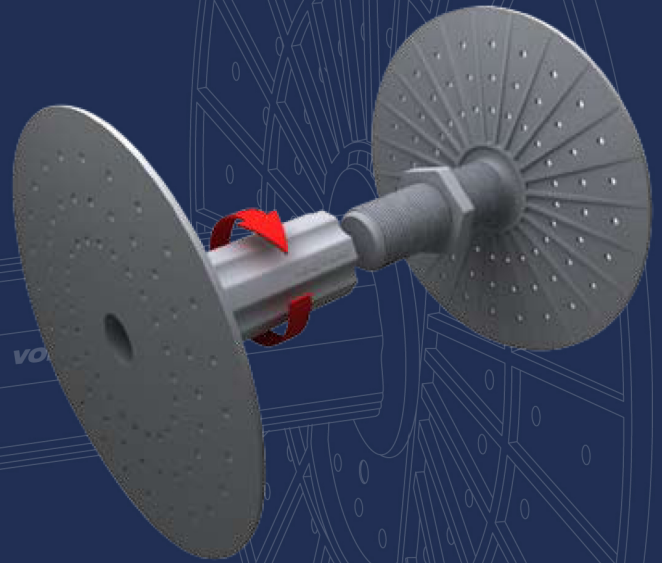
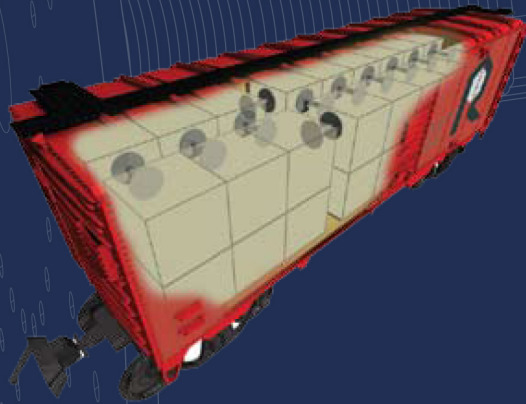
Our portfolio of products is specifically designed to provide lateral and longitudinal cargo securement, enabling shippers to transport general cargo and hazardous materials safely in multi-model shipping environments. **Walnut Industries** offers you strong, simple-to-install solutions that help save time and lower costs.



VOID/GARD®

A BETTER SPIN ON VOID FILLING

Void-Gard® is a revolutionary new lateral cargo restraint device that is also safe and simple to use. While Ty-Gard 2000® prevents longitudinal cargo shifting, Void-Gard® prevents lateral shifting by filling the exact horizontal voids between columns of cargo. Void-Gard® is made of rugged, reusable resin offering AAR-approved compression strength.



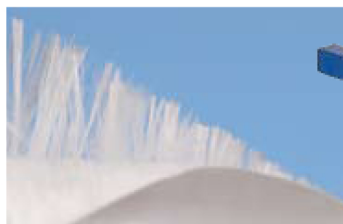
TY-GARD 2000® FLEXIBLE FIBER CARGO RESTRAINT SYSTEM

Engineered in a 16"-wide flexible band, Ty-Gard 2000® is laminated with a high-strength pressure-sensitive acrylic adhesive offering high shear strength on container walls, yet peels and removes easily and leaves no surface residue. Ty-Gard 2000® can be applied to drums, flexible bags, palletized products and paper rolls. It exhibits excellent adhesion throughout a wide range of temperatures.

The complete restraint assembly consists of Ty-Gard 2000®, Ty-Patch® and the Ty-Tool kit®. Installation is easy and takes only minutes. For a video demonstration visit us at:

www.ty-gard2000.com

Our patented process applies 7800 fiber filaments per band. This high-denier formula provides high tensile strength while maintaining a flexible surface that conforms to the cargo.





MARITIME WEATHER

Container vessels can be subjected to extremely rough swells. Here "PONL Barcelona" is forced to navigate through a severe North Atlantic maritime winter storm. This environment subjects the vessel and the cargo to multiple G forces, which must be absorbed by the cargo restraint system.

*Actual pictures taken by a crew member

TESTED AND APPROVED

Ty-Gard 2000® has been tested and approved by the Association of American Railroads (AAR) and the North American Bureau of Explosives for the safe transport of hazardous materials. Ty-Gard 2000® also meets FMCSA, USCG, DOT AND IMDG performance-based guidelines for cargo securement.



Association of American Railroads





THE INTERMODAL ENVIRONMENT

The goal of a securement system is to prevent load shift, damage, product release incidents and safety hazards on board a vessel, railcar or trailer. DOT rules and International Maritime Dangerous Goods Code (IMDG) require cargo to be secured against movement.

Ty-Gard's flexible restraint system design prevents load shift by absorbing and dissipating the energy of transportation forces without incurring damage to packaging or equipment. Trains can subject cargo to severe impacts in the longitudinal direction, and ocean vessels are free to move on six axes. AAR impact testing requires the restraint system to prevent a load from shifting when subjected to almost 4 Gs of force.

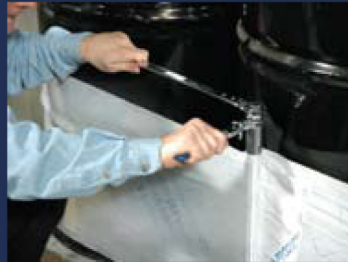
Ty-Gard 2000® has been impact tested and approved by the AAR and proven in the field since 1986. Additionally, the railroads approve and recommend Ty-Gard 2000® for hazardous materials shipments.

Ty-Gard 2000®



APPLICATION GALLERY

Ty-Gard 2000® is the most versatile securement system in the marketplace today. Please see picture gallery below illustrating examples of applications to Drums (steel, plastic & fiber), FIBCs (aka Supersacks), Palletized cargo, Tote Bins and Paper Rolls. The surface area and flexibility provided by Ty-Gard prevents damage to packaging and allows Ty-Gard® to conform to the package geometry.





WALNUT INDUSTRIES offers you strong, simple-to-install solutions



Contact your nearest **Walnut Industries** location as listed on back of this brochure. A representative will be pleased to come to your facility with free samples.

Experience the economy and reliability of our cargo restraint systems, firsthand. Call or visit us right now at: www.walnutind.com

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INDUSTRIES

Visit our website for a list of distributors.

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TY-GARD2000®

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