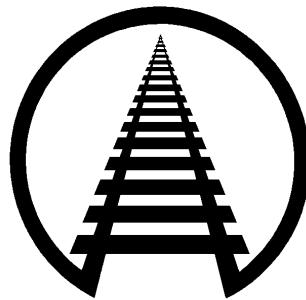


General Information Series No. 824

Case Goods Secured with Stopak Blocker D.I.D. Bags

Intermodal Loading Guide Method F-6 (New)

Approved by
DAMAGE PREVENTION & FREIGHT CLAIM COMMITTEE
Association of American Railroads



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GENERAL RULES

The General Rules relating to personal safety and the safe operation of trains, contained in AAR Circular Nos. 42-N and 43-G or supplements thereto, issued by the Association of American Railroads, **must be observed**.

These loading rules and/or practices apply to shipments transported in the USA, Canada and Mexico.

The loading methods in individual closed car loading publications issued by the Damage Prevention and Loading Services Section of the Association of American Railroads are minimum standards that have been evaluated and approved. These minimum standards offer practical guidelines on the subjects covered. Since these are minimum standards, it may be necessary to supplement these methods in some instances.

Securement standards in AAR closed car loading publications are intended for safe transit of the rail car from origin to destination and prevention of lading and equipment damage. These standards do not address unloading practices.

This approval may be withdrawn if the loads using these methods exhibit consistent load failure during actual shipments.

Loading and bracing methods not presently approved may receive consideration for approval and publication under Section II - Evaluation of New Loading and Bracing Methods and Materials for Closed Cars, Trailers or Containers of General Information Bulletin No. 2, "Rules and Procedures for Testing of New Loading and Bracing Methods or Materials". Submit requests to Director Damage Prevention and Loading Services, AAR/TTCI, 55500 DOT Road, Pueblo, CO 81001.

CAUTION: Trailer/container rocking motion caused by the lift equipment entering and/or exiting may cause unsupported packages or articles with a higher center of gravity to fall to the floor. Minimize access to the trailer or container. Exercise caution when inside a partially loaded trailer or container. Lift operators should stay on lift equipment, whenever possible, while inside a partially loaded trailer or container.

Method F-6—Case Goods Secured with Stopak Blocker D.I.D. Bags

Use this method for case goods unitized on pallets or slip sheets by minimum 90 gauge stretch wrap. Follow manufacturer's instructions regarding the minimum number of wraps to be used, but in all cases use a minimum of three wraps for the top and bottom layers and two wraps for the center layers. The load that was tested weighed 44,000 lb.

1. Cover rough surfaces or projections of the sidewall, including trailer/container tie down hooks, rings, logistics tracks, etc., with fiberboard sheets or other suitable material where Stopak Blocker D.I.D. bags or freight come in contact with the sidewalls of trailer/container. Wall liner must extend a minimum of 36 in. beyond end of the airbags in both directions.
2. Plan the load so crosswise space is minimized. Use appropriate void fillers to prevent crosswise movement.
3. Lading weight in trailers and containers must be evenly distributed both crosswise and lengthwise, and the combined weight of lading must conform to all federal, state, provincial, and local regulations and transportation service requirements used at origin and to final destination.

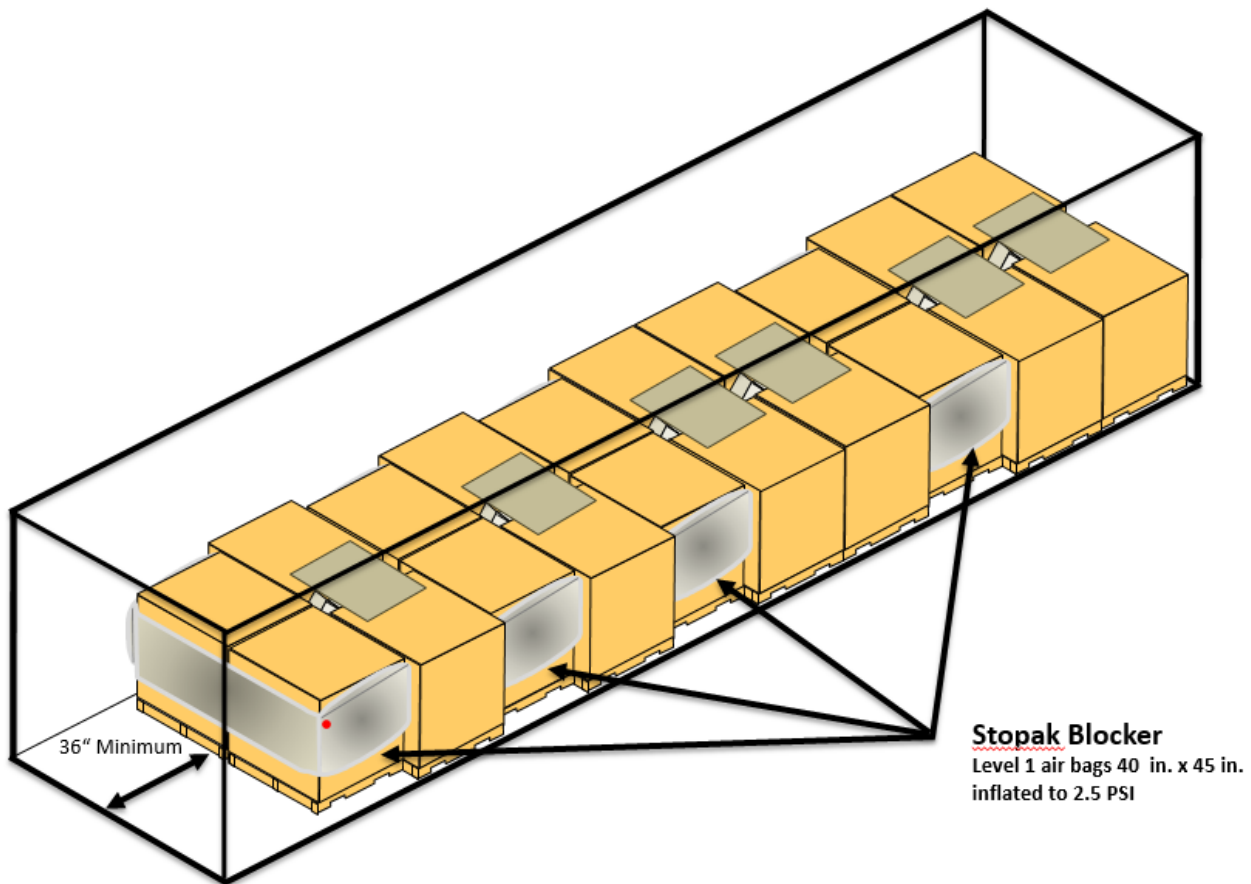
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4. Use Stopak Blocker D.I.D. bags to control lengthwise load movement as shown in the figure below. Stopak Blocker D.I.D. bags may be used to fill cumulative crosswise void space from 12 in. to 24 in. distributed equally at either side wall to control lengthwise movement. This method was tested with the lading positioned against the front-end wall.

5. Use Stopak Blocker D.I.D. bags at four locations in the load: at the third, sixth, eighth and tenth stacks. The figure shows ten units in two rows. Depending on trailer/container size and unit weight, varying numbers of units may also be loaded, but a Stopak Blocker should be used on the last row of any load. In any case, the Stopak Blocker D.I.D. bags at the third and sixth stacks restrains approximately one half the load, up to 22,000 lbs (9,980 kgs). For loads weighing more than 44,000 lbs (19,960 kgs), divide the load into approximately five equal sections using five Stopak Blocker D.I.D. bags. Use Stopak Blocker D.I.D. bags wide enough to extend from 4 in. above the floor to the top of the lading. The length of the Stopak Blocker bags should be equal to one pallet length. All bags should be equally inflated to 2.5 psi.

6. Place units in the trailer/container against the side walls except where the Stopak Blocker D.I.D. bags are installed. These pallets are centered in the trailer/container, leaving equal space on each side of the Stopak Blocker D.I.D. bags. Leave a 36 in. (minimum) space between the rear of the load and the trailer/container doors. Use hanging honeycomb void fillers or equivalent to fill the center void in each stack not filled by air bags.



Method F-6
Palletized Cased Goods Secured with Stopak Blocker Load Securement System

General Information Series No. 824

Cased Goods Secured by Stopak Blocker D.I.D. Bags

General Information Series Publications

- 749** 50 in. Diameter Roll Paperboard in 50 ft. Cushioned Boxcars with Horizontal Airbags (8/16)
- 752** Large Diameter Paper Rolls in 60 ft. Cushioned Boxcars with Anchored Straps (10/16)
- 753** 60 in. Diameter Roll Paperboard in 60 ft. Boxcars with Doorway Stacks on Risers (10/16)
- 754** Wood Bins Braced by Disposable Inflatable Dunnage Bags and Lengthwise Fillers (CCLG Part 7, Section 6.3 Revised 10/16)
- 755** 55-Gallon Steel Drums on Pallets Secured with Cordstrap® Barriers in 40-ft ISO Containers (Nonhazardous Materials only) (Intermodal Loading Guide Method I-6) (new 11/16)
- 758** 58 in. Diameter Roll Pulpboard with an Incomplete Second Layer Loaded On End (Former Pamphlet No. 39, Method 11) (2/17)
- 759** Revision to Paragraph 2.5, Distribution of Weight Crosswise in Cars, CCLG Part 10, Primary Metals (2/17)
- 760** Incomplete Layers of Plywood Secured in Boxcars with Nonmetallic Straps, CCLG Part 3, Plywood (2/17)
- 761** 37 in. Diameter Plastic Stretch Wrapped Kraft Rolls Loaded in a Single Layer in 60 ft. Cushioned Boxcars Using Rubber Mats and Lengthwise Filler Panels (3/17)
- 765** Wood Bins Braced by Disposable Inflatable Dunnage Bags and Shock-Gard® Lengthwise Void Fillers (7/17)
- 766** 45 in. Diameter Roll Paper in 60 ft. Cushioned Boxcars with Double Plug Doors (8/17)
- 768** Gearboxes Mounted on Sleds in 20 ft. Long ISO Containers (9/17)
- 769** 42 in. Diameter Roll Paper in 60 ft. Cushioned Boxcars Using Rubber Mats and Airbags (CCLG Part 2, 8.3.2.6) (9/17)
- 771** 50 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars Using Sidewall Fillers and Horizontal Airbags (CCLG, Part 2, Sections 5.6.10 & 8.2.4.4 Revised) (10/17)
- 772** 81 in. Diameter Roll Paperboard in 50 ft. Standard Draft Gear Boxcars with Sliding Doors (CCLG Part 2, Section 8.2.8.1) (10/17)
- 773** 42 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars with 12 ft. Doors (CCLG Part 2, Section 8.2.2.5) (12/17)
- 774** 48 in. Diameter Roll Paper in 60 ft. Cushioned Boxcars with 16 ft. Double Doors (CCLG Part 2, Section 8.3.4.5) (12/17)
- 776** 45 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars with 12 ft. Doors (CCLG Part 2, Section 8.2.3.8) (2/18)
- 778** Split Loads of 58 in. Diameter Roll Pulpboard on End Using Rubber Mats when Stowed in Trailers Having Large Metal Plates Approximately 9 ft. in Length at the Nose (Intermodal Loading Guide Method E-23) (3/18)
- 781** Wood Bins Braced by Disposable Inflatable Dunnage Bags and BIN-PAK or M-PAK Lengthwise Void Fillers (4/18)
- 782** Plastic Intermediate Bulk Containers with Disposable Inflatable Dunnage Bags and Lengthwise Void Fillers – Schoeller Allibert (CCLG Part 7, Section 6.2) (4/18)
- 783** Cased Goods Secured by Tuff Wrap™ D.I.D. Bags (Intermodal Loading Guide Method F-4 New) (4/18)
- 784** Cased Goods Secured by S.A.M. D.I.D. Bags (Intermodal Loading Guide Method F-4 New) (5/18)
- 786** Aluminum Coils on Platforms/Skids Loaded on Rubber Mats & Secured by Two Floor Anchored Web Straps & Supplemental Securement Straps (CCLG Part 9, Section 8.6) (6/18)
- 787** Universal Storage Containers Loaded in 53 ft. Intermodal Containers (ILG Method H-15 New) (6/18)
- 788** 60 in. Diameter Roll Paperboard in 60 ft. Cushioned Boxcars with 12 ft. Wide Plug Doors (CCLG Part 2, 8.3.7.2) (6/18)
- 790** 58 in. Diameter Roll Paperboard in 50 ft. Cushioned Boxcars with 12 ft. Wide Plug Doors (CCLG Part 2, 8.2.5.8 Revised) (6/18)
- 791** DRUM-PAK® Dunnage for Open Head Drums in Cushioned Boxcars (CCLG Part 7, Section 6.9) (6/18)
- 792** Double Layer Loads of Hazardous or Nonhazardous Materials Secured with Cordstrap® Barriers in a 20-ft Container (ILG Method I-4) (7/18) (Cancels GIS 779)
- 793** Hazardous or Nonhazardous Loads Secured with Cordstrap® Barriers in 40-ft Containers (ILG Method I-5HM) (8/18) (Cancels GIS 780)
- 794** Peat Moss, Bagged or Baled, in Cushioned Boxcars (CCLG Part 8, Section 6.6, New) (8/18)
- 795** Coiled Metal on Platforms/Skids in Boxcars (CCLT Part 9, Section 3.2, New) (8/18)
- 796** 58 in. Diameter Roll Pulpboard with an Incomplete Layer (CCLG Part 2, Section 5.8 New) (8/18)
- 797** Split Loads of 58 in. Diameter Roll Pulpboard on End Using Rubber Mats when Stowed in Trailers Having Large Metal Plates Approximately 9 ft in Length at the Nose (ILG Method E-19, Revised) (11/18)
- 798** Intermodal Loads Secured with TyGard DS™ (Intermodal Loading Guide Method B-9, Revised) (11/18)
- 799** 46 in. to 57 in. Diameter Roll Paper on End Using Rubber Mats (Intermodal Loading Guide Method E-21, Revised) (12/18)
- 800** 54 in. Diameter Paperboard on End Using Rubber Mats (Intermodal Loading Guide Method E-22) (12/18)
- 801** 49 in. Diameter Roll Paper in 52 ft. Cushioned Boxcars with 12 ft. Wide Plug Doors (12/18) (New)
- 803** Stretch Film Roping of Steel Coils and Coil Loading Methods for Railroad Shipments (CCLG Part 9, Section 4.4. Revised; (12/18)
- 804** Lengthwise Void Filler Panels in Rigidly Braced Roll Paper Load Securement (CCLG Part 2, Section 5.7.2, 7.10.1, 7.10.5, 7.10.6 & 7.10.7 Revised) (2/19)
- 807** 54 in. Diameter Roll Paper in 60 ft. Cushioned Boxcars with 16 ft. Wide Plug Doors. (CCLG Part 2, 7.10.8; Section 8, 60 ft Cars – 54 in. Diameter Rolls) (New) (4/19)
- 808** 45 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars Using Horizontal Airbags (CCLG Part 2, 8.2.3.9, New) (4/19)
- 809** Metal Intermediate Bulk Containers with Disposable Inflatable Dunnage Bags and Lengthwise Void Fillers – Goodpack USA (CCLG Part 7, Section 6.10-New) (4/19)
- 810** Reinforced Longitudinal Void Fillers for Plastic, Metal or Wood Intermediate Bulk Containers with Tomato Products (CCLG Part 7, 6.1.6, 6.2.10.6, 6.3.6, 6.10.6 (revised) (4/19)

General Information Series No. 824

Cased Goods Secured by Stopak Blocker D.I.D. Bags

General Information Series Publications

- 811** Plastic Intermediate Bulk Containers with Disposable Inflatable Dunnage Bags - Horen (CCLG Part 7, Section 6.11-New) (6/19)
- 812** 49 in. Diameter Roll Paper in 50 ft. and 60 ft. Cushioned Boxcars Using Horizontal Airbags (CCLG Part 2, Section 8, 50 ft. & 60 ft. Cars – 49 in. Diameter Rolls) (6/19)
- 813** Roll Paperboard in Boxcars with Doorway Stacks on Risers and Rubber Mats (6/19) (Cancels GIS 763)
- 814** Bales of Wood Pulp in Boxcars (CCLG Part 8 Section 6.5.1 (revised) and Section 6.5.5 (new) (6/19) (Cancels GIS 805)
- 815** Doorway Protection for Baled Paper and Wood Pulp Products in Boxcars (cancels GIS 806; CCLG Part 8, Section 8.4 (revised) (6/19)
- 816** Pallet Grip® Stretch Wrap (CCLG Part 1 Section 5.4.3; CCLG Part 6 Section 4.6.3 – New) (6/19)
- 817** Case Goods Secured by Stopack Max Blocker D.I.D Bags (Intermodal Loading Guide Method F-5 - New) Revised (9/19)
- 818** 51 in. Diameter Roll Paper in 50 ft. and 60 ft. Cushioned Boxcars using Horizontal Airbags (CCLG Part 2 – Section 8, 50 ft. & 60 ft. boxcars, 51 in. Diameter Rolls – New) (7/19)
- 819** 48 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars using Horizontal Airbags (CCLG Part 2 – Section 8, 50 ft. boxcars 48 in. Diameter Rolls – Cancels GIS 770) (7/19)
- 820** 54 in. Diameter Roll Paper in 50 ft. Cushioned Boxcars with 20 Floor-Spots (CCLG Part 2 – Section 8, 50 ft. boxcars, 54 in. Roll Paper – New) (7/19)
- 821** 58 in. Diameter Paper Rolls T-Loaded in 60 ft. boxcars with 16 ft. Wide Double Plug Doors Using Lengthwise Filler Panels (CCLG Part 2, Section 6.6.16.1.7 (T-Loading); 8.3.6.8 (Pattern); 5.7.12.1 (Risers); Cancels GIS 802)
- 822** Palletized or Crated Auto Parts Secured by Web Strap Assemblies in 53 ft. Containers (Intermodal Loading Guide Method H-16 – New) (9/19)
- 823** Plywood and Similar Panels Products – Loading Doorway Areas (CCLG Part 3 – Section 7.3.1; 7.3.2; 7.3.3; and 7.4.3 (revised)) (10/19)
- 824** Case Goods Secured by Stopak Blocker D.I.D Bags (Intermodal Loading Guide Method F-6 – New) (10/19)