

D.O.T. BULKHEAD

Important Safety information



OPERATION | Safety Messages

WARNING

READ & FOLLOW THIS WARNING TO AVOID DEATH OR SERIOUS INJURY

The Aero® D.O.T. Bulkhead is limited in its ability to protect persons or property inside the truck's cab in the event of any cargo becoming loose as a result of an accident or failed cargo securement device or system.

The Aero® D.O.T. bulkheads have been tested under 49 CFR 393.114 (c) (1) for heights under 6 feet or 393.114 (c) (2) for heights over 6 feet for static load testing. The Aero® D.O.T. Bulkheads have NOT been designed for the penetration resistance under 49 CFR 393.114 (d).

The rating of each D.O.T. Bulkhead depends on (a) the design and structure of the platform and (b) the attachment of the Bulkhead to the platform. Consult trailer manufacturer to determine if trailer is designed for D.O.T. Bulkhead.

Drivers and Owners are responsible for complying with the regulations issued by the United States Department of Transportation (D.O.T.) and the Federal Motor Carrier Safety Administration (FMCSA) to secure and monitor the cargo load, including proper use and application of tie downs, dunnage, dunnage bags, shoring bars, chocks, wedges, cradles, rails, and other prescribed securement devices. (See 49 CFR 392.9 and 393.100 through 393.136.) The Aero® D.O.T. Bulkhead provides only a portion of the requirements to secure the load under the law.

Use of the Aero® D.O.T. Bulkhead does not change or reduce the load securement requirements imposed by law. **Drivers and Owners are responsible for complying with the specific commodity cargo requirements of the FMCSA** at 49 CFR 393.116 through 393.136, including the securement of logs, dressed lumber, building products, metal coils, paper rolls, concrete pipe, intermodal containers, vehicles, heavy equipment and machinery, crushed vehicles, specified containers, and large boulders.

Bulkhead must be properly installed per the instruction manual. NOT properly installing the bulkhead could result in death or serious injury. Read all manuals and safety information on website before installing.

Bulkhead and vehicle platform must NOT have damaged or weakened components. A damaged or weakened bulkhead could result in death or serious injury. See manual on how to inspect and properly maintain bulkhead.

Modifications to the bulkhead may damage or weaken the bulkhead. A damaged or weakend bulkhead could result in death or serious injury. See manual for what modifications can be made to the bulkhead.

D.O.T. BULKHEAD

Important Safety information



Operation Information

393.114: (a) Applicability. The rules in this section are applicable to commercial motor vehicles transporting articles of cargo that are in contact with the front-end structure of the vehicle. The front-end structure on these cargo-carrying vehicles must meet the performance requirements of this section.

Aero D.O.T. Bulkheads are intended to be used as cargo securement devices and in contact with the cargo and comply with 393.114 (c) (1) or 393.114 (c) (2) of the FMCSA/D.O.T. regulations. Bulkheads have **NOT** been designed for the penetration resistance under 49 CFR 393.114 (d).

Drivers and Owners are responsible for complying with the FMCSA/D.O.T. regulations to secure and monitor the cargo load. **NOT** complying with the regulations to secure and monitor the cargo load could result in death or serious injury.

Specifications & Ratings

Specifications

The rating of this D.O.T. Bulkhead depends on (a) the design and structure of the platform; and (b) the attachment method of the Bulkhead to the platform. Consult trailer manufacturer to determine if trailer is designed for this device.

Trailer Compatibility

The trailer deck is an integral part of the strength of the Aero D.O.T. Bulkhead and must allow for proper attachment and support to ensure that it will comply with FMCSA/D.O.T. regulations.

If you are unsure if the Aero D.O.T. Bulkhead will install properly, read the installation instructions or contact Aero Industries.

Contact [Aero Industries](#) for Bulkhead Rating.

MAINTENANCE | Safety Messages

WARNING

Bulkhead must be properly installed per the instruction manual. **NOT** properly installing the bulkhead could result in death or serious injury.

Read all manuals and safety information before installing.

Bulkhead and platform must **NOT** have damaged or weakened components. A damaged or weakened bulkhead could result in death or serious injury.

Contact [Aero Industries](#) if you have any questions about repairing a damaged bulkhead.

D.O.T. BULKHEAD

Important Safety information



How to Maintain the Wraparound Bulkhead

- 1 / Be sure that all fasteners are tight and torqued to 125 foot-pounds.
- 2 / Inspect for load shift damage and weld cracks. Reweld and grind using proper welding practices.

Installation Information

WARNING

Bulkhead must be properly installed per the instruction manual. **NOT** properly installing the bulkhead could result in death or serious injury.

Maintenance Modifications

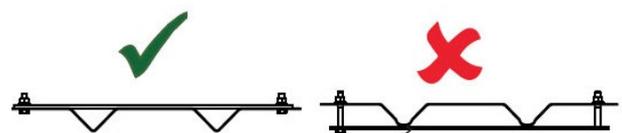
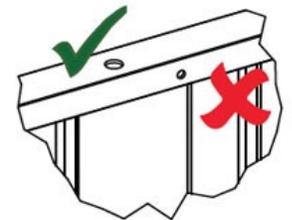
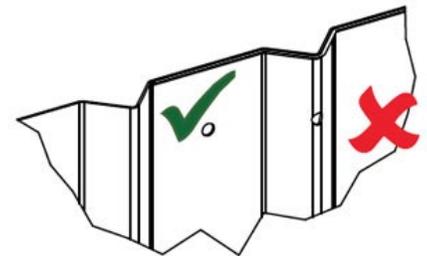
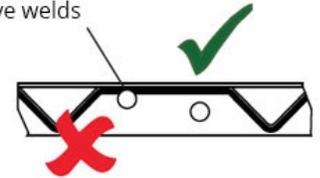
WARNING

Modifications to bulkhead may damage or weaken the bulkhead. A damaged or weakened bulkhead could result in death or serious injury. See manual for what modifications can be made to the bulkhead.

Contact [Aero Industries](#) if you have any questions about repairing a damaged bulkhead.

- 1 / **DO NOT** weld anything to the bulkhead.
- 2 / **DO NOT** cut or remove any welds.
- 3 / Drilled holes are **NOT** allowed in the following areas:
 - The vertical face of the top rail
 - The hatted or V'd portion of the panel
- 4 / Drilled holes are allowed in the following areas:
 - The flat portion of the panel between the hatted or V'd portion of the panel
 - On side panels
 - Holes for a bow are allowed on the horizontal face as long as they don't interfere with welds or the panel
- 5 / Items bolted to the panel should be on the inside to avoid damaging the hatted or V'd portion of the panel

Do NOT cut or remove welds



Do NOT damage hatted or V'd portion of the panel

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Important Safety information



D.O.T. Regulation Links

Federal Motor Carrier Safety Administration (FMCSA)

Regulations issued by FMCSA are published in the Federal Register and compiled in the U.S. Code of Federal Regulations (CFR). Copies of appropriate volumes of the CFR in book format may be purchased from the Superintendent of Documents, [U.S. Government Printing Office](#), or examined at many libraries. The CFR may also be [viewed online](#).

Regulation 49 CFR Part 393 pertains to PARTS AND ACCESSORIES NECESSARY FOR SAFE OPERATION

Section under regulations about Cargo Securement Rules

<http://www.fmcsa.dot.gov/regulations/cargo-securement/cargo-securement-rules>

The regulation that pertains to Aero D.O.T. Bulkheads is 393.114: What are the requirements for front end structures used as part of a cargo securement system?

<http://www.fmcsa.dot.gov/regulations/title49/section/393.114>

Information on General Cargo Securement can be found in 393.100-136

D.O.T. BULKHEAD

Important Safety information



LABELS & SYMBOLS | D.O.T. Bulkhead Explanation

WARNING

Potential D.O.T. Bulkhead Hazards:

- Cargo is improperly loaded and secured.
- Cargo weight exceeds load limit of the bulkhead.
- Bulkhead is improperly installed/modified/maintained.
- Vehicle platform structure to which the bulkhead is mounted is improperly designed and/or maintained.

OPERATIONAL USAGE - D.O.T. Bulkhead

The Aero® D.O.T. Bulkhead provides only a portion of the requirements to secure the load under the law.

Drivers and Owners are responsible for complying with the FMCSA/D.O.T. regulations to secure and monitor the cargo load. NOT complying with the regulations to secure and monitor the cargo load could result in death or serious injury.

The Aero® D.O.T. Bulkhead is limited in its ability to protect persons or property inside the truck's cab in the event of any cargo becoming loose as a result of an accident or failed cargo securement device or system.

See website for more detailed information: www.dotbulkheadoperation.com

INSTALLATION/MAINTENANCE - D.O.T. Bulkhead

The rating of this DOT Bulkhead depends on (a) the design and structure of the platform and (b) the attachment method of the Bulkhead to the platform.

Consult trailer manufacturer to determine if trailer is designed for this bulkhead.

Bulkhead must be properly installed per the instruction manual. NOT properly installing the bulkhead could result in death or serious injury. Read all manuals and safety information on website before installing.

Bulkhead and vehicle platform must NOT have damaged or weakened components. A damaged or weakened bulkhead could result in death or serious injury. See manual on how to inspect and properly maintain bulkhead.

Modifications to bulkhead may damage or weaken the bulkhead. A damaged or weakened bulkhead could result in death or serious injury. See manual for what modifications can be made to the bulkhead.

Label Part# 0920-061001

See website for more detailed information:
www.dotbulkheadmaintenance.com



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Important Safety information



LABELS & SYMBOLS | D.O.T. Bulkhead Explanation



This product meets D.O.T. standard #CFR 393.114 (c) (1) or (c) (2) for loads up to 50,000 pounds when installed in strict accordance with written instructions from Aero Industries.

Aero Industries Inc.
Indianapolis, IN
800-535-9545
www.aeroindustries.com

Label Part# 0920-061004



This product meets D.O.T. standard #CFR 393.114 (c) (1) for loads up to 60,000 pounds when installed in strict accordance with written instructions from Aero Industries.

Aero Industries Inc.
Indianapolis, IN
800-535-9545
www.aeroindustries.com

Label Part# 0920-061003

Explanation of Signal Words



Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



Indicates a hazardous situation which, if not avoided could result in minor or moderate injury.



Used to address practices not related to physical injury.