



ContainAire[®]

Hard Partition



Pictogram User Installation Guide



Introduction

Thank you for choosing a Tate Airflow product. Tate Airflow products are engineered to maximize the efficiency of your data center air handling system by isolating cold supply and hot exhaust airflow. We would be interested in hearing any comments you may have on this installation manual, product, or overall experience. Please call or e-mail our Technical Service Department:

Phone: 410-799-4200

E-mail: TateInfo@tateinc.com

Safety

- 2 or more people are required for the handling and installation of this system.
- Wear personal protective equipment (PPE) when drilling, cutting, or installing. PPE includes gloves, safety eyeglasses, hardhats, etc.
- Do not leave the site unattended until the installation is complete.
- Do not drill into the raised floor or server rack without first ensuring that no electrical wires or cabling are in the area of drilling.

Included Components

- ContainAire Hard Partition
- Floor and rack mounting hardware
- Installation Guide

Required Tools

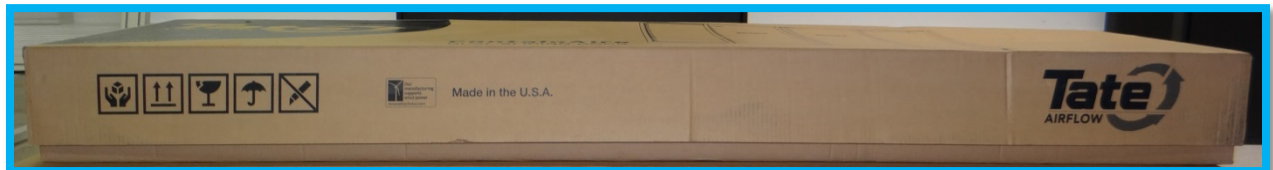
- Level
- Allen Wrench (6mm, 4mm)



Please ensure the installment site is clean and level prior to assembly. Check level of floors and racks.

(!) Check level of floors and racks.

1. Your hard partition unit will arrive in one (1) cardboard box with Tate Airflow logos.



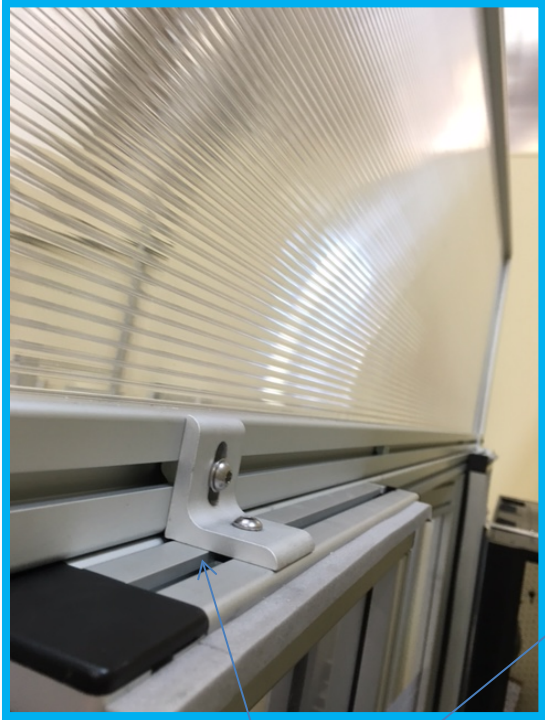
2. Remove the lid and you will find the floor and rack mounting hardware, as well as the hard partition unit itself.



Methods of Installation

1. Hard Partition to Door Installation





T-Bolts + Bracket



Frame extrusions enable virtually limitless mounting positions. In the case of mounting the hard partition to any ContainAire door, the provided brackets and T-bolts enable the partition to be mounted upright on top of the door. Note this position may be useful if the surface of the data center cabinets sit level with the surface of the door.



2. Hard Partition to Cabinet Installation (Ceiling)





To use the hard partition as a ceiling, the partition can be bolted down flat on the surface of both cabinet aisles. With the extrusions facing downwards, a washer and bolt can be drilled upward into the receiving T-bolt. Note, the layout of holes on the surface of the cabinet may dictate the position of the partition.

Bolt and Washer bolted into T-bolt

3. Hard Partition to Cabinet Installation

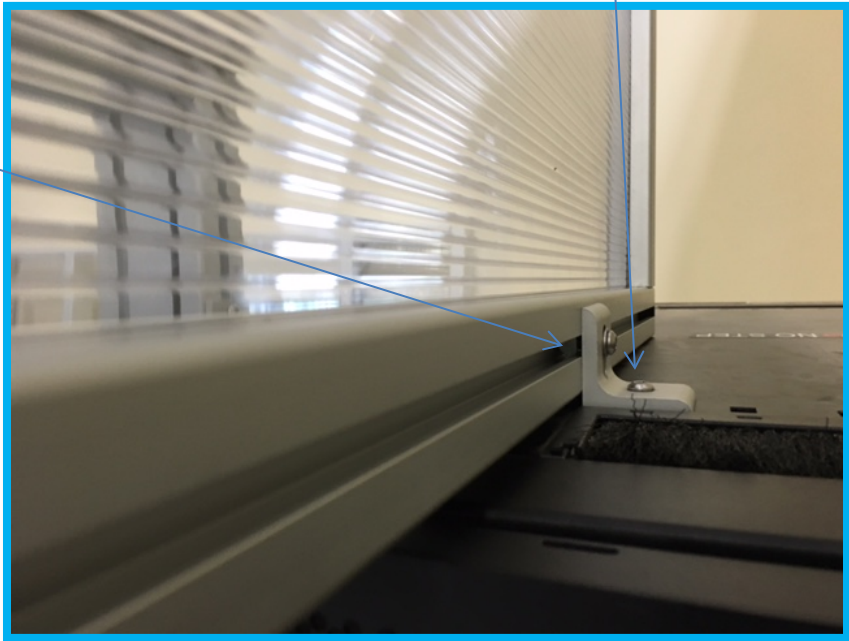




For mounting the hard partition perpendicular to the cabinet, the bracket will be bolted to both the partition and cabinet. The flat surface should face outwards, while the extrusions should face inside the aisle. Note, the layout of holes on the surface of the cabinet may dictate the position of the partition.

Bolt + Nut

T-Bolt



4. Hard Partition to Structural Ceiling Grid



Structural Ceiling Grid

Hard Partition





To secure the hard partition to the structural ceiling grid bolt the bracket to the extruded ceiling grid and then to the hard partition. The ceiling grid is threaded, so only a bolt is needed to secure the bracket to the ceiling.



T-Bolt Bolt

