



Product Information
Frequently Asked Questions
MOBILE AISLE

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Q1. What styles of Mobile Aisle carriages are available?

- Fixed Carriage: These Carriages are mounted to track and can also be mounted to the floor using raised foot brackets. These units do not move. Fixed Carriages are available in widths of 12", 15", 18", 24", 30", 36" and 48".
- Manual Carriage: These Carriages are moved by pulling on a handle located on the End Panel. They have no mechanical mechanism to aid in Carriage movement. They come in widths of 18", 24", 30", 36", and 48". The length of a Manual Carriage is typically limited to 12' for ease of maneuverability.
- Mechanical Carriage: These Carriages are mechanical-assisted systems with a drive wheel, which utilize a drive shaft/gear chain arrangement to permit easy movement of heavy loads. They come in widths of 18", 24", 30", 36", 48" & 60".
- All Carriages are available in lengths from 3' to 36', in 1' increments.

Q2. What are Drive Columns/End Panels & what types are available?

There are four types of End Panels - Fixed, Manual, Mechanical & Open-style. Each is available in two types of materials - painted steel and laminated plastic. End Panels are normally mounted on the drive end, however they can be mounted to both ends of the Carriage, where Carriages are to be accessed from both sides.

- Fixed End Panels are full height and enhance the security & aesthetics of the Mobile Aisle by enclosing the Shelving ends.
- Manual End Panels are full height and enhance security & aesthetics; they include a handle for manual movement of the Carriage.
- Mechanical Drive Panels are full height and enhance security & aesthetics; they include a drive wheel to mechanically assist in movement of the Carriage with relatively minimal effort.
- Open-style Drive Panels are 55" high (measured from Shelving mounting surface), are shaped like an inverted 'T', and provide greater visibility of items stored in the Mobile Aisle system. Open Drive Panels include a drive wheel to mechanically assist movement of the Carriage with relatively minimal effort. Open Drive Panels are used as the default for quoting unless otherwise specified, since they are the least expensive option. Closed Shelving End Panels or Finishing End Panels can be used with Open Drive Panels for security or aesthetic purposes.

Q3. What is the basic information needed to engineer a Mobile Aisle?

Provide room length, width & height; note any obstructions such as columns, beams, pipes, doors, etc. Provide orientation of the Mobile Aisle within the room. Note Shelving sizes and layout for mounting and Carriage sizing considerations. For each Shelving bay, identify size, style, closed or open, number and type of Shelves, any accessories, etc.



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Q4. What is the recommended minimum open aisle size?

The recommended minimum open aisle size is 30” wide in order to provide access to and maneuverability of stored product. A larger open aisle may be needed for wheelchair access, material handling equipment, for local codes, or to store larger product. For example: if 48” deep boxes are being stored, the open aisle must be greater than 48”.

Q5. What storage products are compatible with the Equipto Mobile Aisle?

Equipto’s Mobile Aisle is designed primarily for V-Grip Shelving, and it has a variety of different storage applications including tires, apparel, medical records, and hardware. It will allow you to significantly improve storage capacity in the same floor space than just using stationary V-grip Shelving, Bulk Rack or Tire Rack.

Q6. What features & accessories are available for a Mobile Aisle?

Accessories are listed on page 77 of the Equipto Catalog.

- Anti-Tip Brackets – required in seismic zones
- MOBLOCK – a keyed panel lock for security; typically installed on the last Carriage so that the Mobile Aisle system can be collapsed and locked
- Track Base Lock or End Panel Lock
- Sprocket options - Heavy Duty or Fast Travel
- Bumper Extensions - 1” for Drawers, 3” for Doors
- Deck Skirting if sides or rear of system are exposed
- Tuffdeck or Plywood Flooring
- End Panels, Drive Panels or Finished End Covers if the rear of the Carriage is exposed
- Raised Foot Brackets for fixed Carriages mounted on floor

Q7. What installation site factors must be considered when designing a Mobile Aisle?

- Mobile Aisles cannot be mounted on Platforms due to Platform load capacities.
- Is there ample room for foot travel in and around the Mobile Aisle?
- Are there obstructions that would prevent normal operation of a Mobile Aisle?
- Are there any height restrictions? (fire codes typically require 18” clearance between the top of shelving and the lowest hanging item from ceiling; check your local codes for requirements).
- What are the existing floor loading capacities?

Q8. Can different length Carriages be used in the same system?

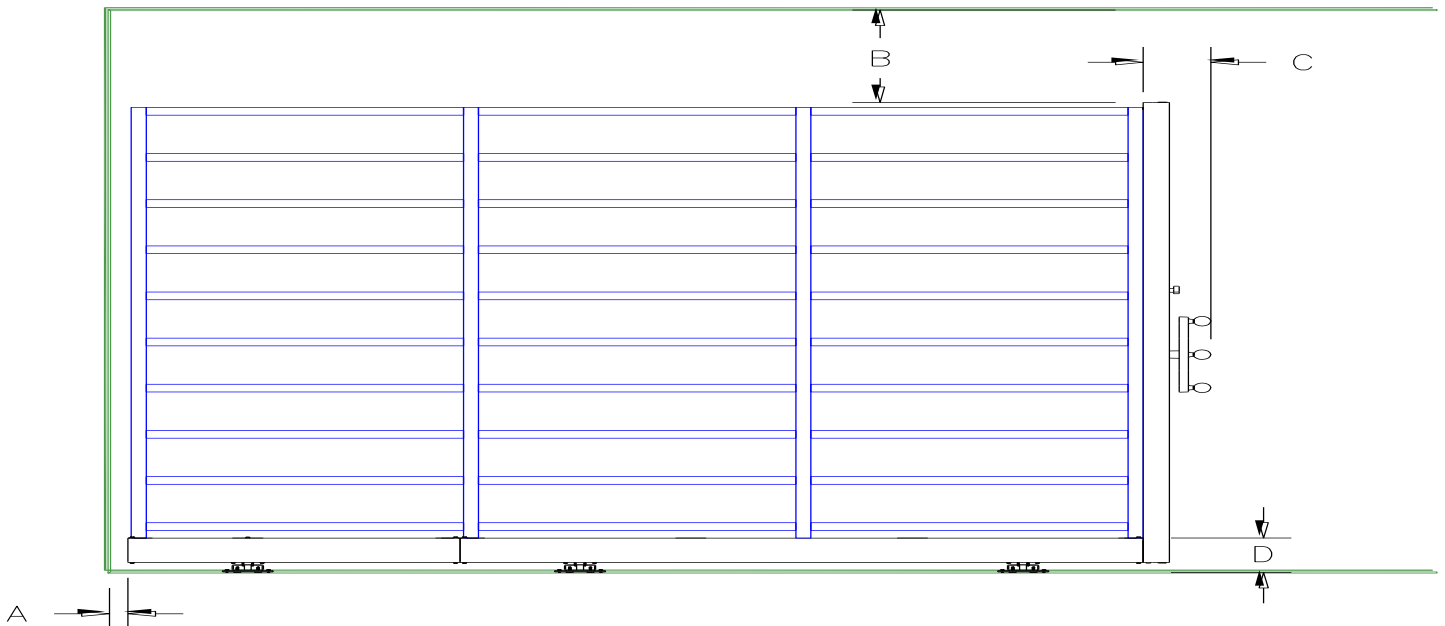
Yes, adjacent Carriages can have different lengths, but function as one Mobile Aisle.



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Q9. What dimensions do Mobile Aisle components add to the Shelving footprint?

- A. Allow at least 2” between walls and the end of Carriages as clearance for outlets, switches, etc. This dimension becomes 4” with a Finished End Cover, or 5” with an End Panel.
- B. Allow 18” between the top of the unit and the lowest hanging obstruction from the ceiling to meet fire codes (typical – check local codes).
- C. The End Panel and Handle add 7” to the nominal overall Shelving length.
- D. The Track, Deck and Carriage add 8” to the nominal Shelving height.

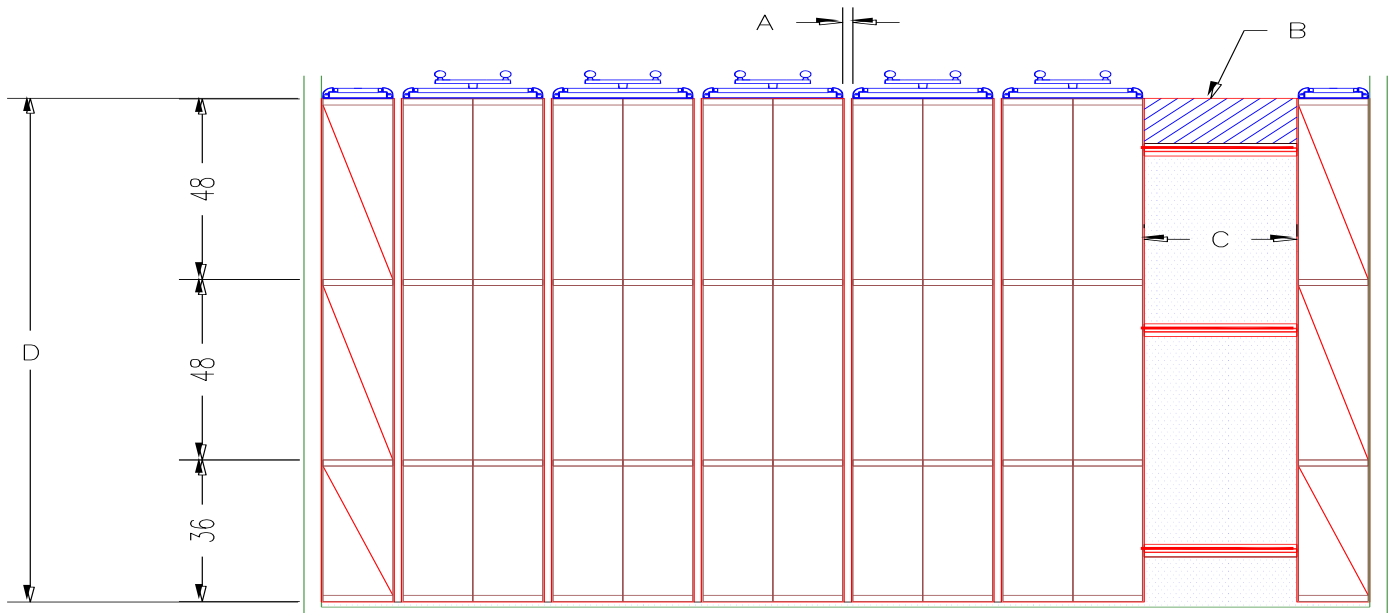


Q10. What should be included on the sketch when submitting a Mobile Aisle Request for Quote?

Please sketch an overhead view including all Carriages and Shelving layout. Note aisle opening required. List all specifications for the Shelving, including height, style, open/closed panels, # of shelves, accessories, etc. Include Shelving unit elevations, if possible.



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Q11. Project request sketch guidelines:

- A. Actual Carriage size and Bumpers require allowance for an additional 1-3/4" over nominal Shelving depths. Include this in your calculation for overall system size. Add another 1" for each Shelving side with Drawers, or another 3" for each Shelving side with Doors.
- B. Carriages may not be flush with the ramp, depending on application and configuration. Carriages may overhang a 12" ramp, or run shorter than a 24" ADA ramp.
- C. The open aisle should be minimum 30" wide. It should be wider if the items stored are larger, or if code or access requirements dictate.
- D. It is usually better to place fixed units at either end of the system to reduce overall system cost and provide greater security.
- E. Systems that are configured with a few longer Carriages may be less expensive than systems with many shorter Carriages.