



VeloPorter Technical Specification

VeloPorter 2

a. Bicycle Rack

- i. The bicycle rack shall be uniquely designed for use in a public transit environment. The bicycle rack shall carry two bicycles. The trays shall be constructed using resilient polymer materials to reduce damage and injury upon collision or incidental contact. The trays shall be modular in design to allow easy removal and replacement.
- ii. The bicycle rack shall have a latching mechanism to secure the rack in a stowed, vertical, and deployed, horizontal position. Lifting weight to stow the bicycle rack shall be less than 20LB. Deploying and stowing shall be able to be accomplished with one hand while holding the bicycle with the other hand.
- iii. The bicycle rack shall contact the wheels of the bicycle only and carry bicycles up to the following dimensions; 3 inch wide tires, 16 inch to 29 inch wheels, up to 46 inch wheel base. The restraint shall be accomplished using a single sided spring loaded support arm, for each bicycle, that can be operated with one hand. The system shall be easy to use and allow quick loading and unloading of the bicycle.
- iv. The bicycle rack shall be compatible with the TSB system.

VeloPorter 3

b. Bicycle Rack

- i. The bicycle rack shall be uniquely designed for use in a public transit environment. The bicycle rack shall carry three bicycles. The trays shall be constructed using resilient polymer materials to reduce damage and injury upon collision or incidental contact. The trays shall be modular in design to allow easy removal and replacement.
- ii. The bicycle rack shall have a latching mechanism to secure the rack in a stowed, vertical, and deployed, horizontal position. Lifting weight to stow the bicycle rack shall be less than 30LB. Deploying and stowing shall be able to be accomplished with one hand while holding the bicycle with the other hand.
- iii. The bicycle rack shall contact the wheels of the bicycle only and carry bicycles up to the following dimensions; 3 inch wide tires, 16 inch to 29 inch wheels, up to 46 inch wheel base. The restraint shall be accomplished using a single sided spring loaded support arm, for each bicycle, that can be operated with one hand. The system shall be easy to use and allow quick loading and unloading of the bicycle.
- iv. The bicycle rack shall be compatible with the TSB system.