

BETWEEN-CAR BARRIER (BCB) PRODUCTS

On-Platform Between-Car Barrier (BCB) Products

Platform barriers are suitable for GoA 2-4 (Grades of Automation) systems. Because they are fully automatic, trains can stop at the same specific location at each station. Mounted stanchions, bollards, or panels that are permanently installed on the platform block the gap between cars and clearly guide travelers to the correct doorways to board the train.



Bollards or Eliminators

- PVC mounted tubes mounted onto the platform.
- Might have some flexibility to absorb light impacts.
- Outdoor-rated materials are weather resistant.
- Bright colored tubes and reflector tape create a safety barrier.

Retractable Belt Barriers

- ADA-compliant dual line, retractable belts can provide safety messages, warning graphics and/or bright colors.
- Stanchions are permanently mounted to platform in various ways, depending on platform construction.
- Outdoor-rated materials are weather resistant.

Aluminum-Framed Rigid Panel Barriers

- Metal framed panels mounted on stanchion posts create a rigid barrier wall.
- Insert materials can vary, from frosted Plexiglas to perforated metal for added durability.
- Custom print inserts with safety messages advertisements to generate additional revenue.

Loop Posts + Chains

- Stainless Steel Loop Post can be mounted onto the platform.
- ADA-compliant 2 or 3-line chains can provide a clear barrier.*
- Outdoor-rated materials are weather resistant.

* Image shows three chains.

Other solutions not shown:
- Tactical Floor Mats
- Fencing

Compliant, On-Car Between-Car Barrier (BCB) Products

Crew-operated rapid rail GoA 0-1 level-boarding systems cannot guarantee alignment with on-platform BCBs. Therefore, the broad solution is to attach barriers onto the rail cars to help travelers avoid the gaps. These barriers can either meet in the middle of the gap or stretch across the gap from one car to another.



Retractable Belt Barriers

- Units are securely mounted on train cars.
- Belts extend and retract easily to accommodate as trains round turns.
- Belts can provide safety messages, warning graphics and/or bright colors.
- Outdoor-rated materials are weather resistant.

Chains

- Chains are affixed to both cars with mounting brackets.
- Enough slack must be considered to accommodate for trains rounding turns, which might render them ineffective to stop a person from falling between cars.
- Outdoor-rated materials are weather resistant.

Bungee Cords

- Bungees are affixed to both cars with mounting brackets.
- Wear on the bungees as trains round turns could stretch them out and create slack, which might render them ineffective to stop a person from falling between cars.
- Outdoor-rated materials are weather resistant.

Integrated Car Design

Rail car manufacturers are beginning to introduce On-Car BCB solutions on new car builds and many are adopting similar proven technology that is being used on the retrofit fleets.

Other solutions not shown:
- Chains & Rubber Barriers
- Pantograph Gates
- Audio Alarms