



**Angle Angle Bumpers**  
Designed to have both sides bolted to the wall



**Angle Flat Bumpers**  
Designed to have one side welded to the vertical curb angle and the other side bolted to the wall



**Flat Flat Bumpers**  
Designed to have both sides welded to an imbedded wall plate

# LOADING DOCK BUMPERS

## PROTECTIVE SYSTEMS

Since every dock is different, Allied Solutions can provide you with a dock bumper to match your application needs. Allied Solutions offers three varieties of bumpers: steel face, laminated, and molded. Each is designed with different benefits to provide the best protection at any dock.

Dock bumpers help absorb the impact of a backing truck on a building and protect against structural damage to building walls during loading and unloading. As a trailer is being loaded and unloaded, the trailer bed moves up and down, which can cause severe damage to building walls if dock bumpers are not present. Dock bumpers will help cut maintenance costs and expensive repairs. In addition, if properly selected and installed, bumpers can help with proper vehicle restraint engagement, effective dock seal enclosure, and keep levelers from damage.

When selecting dock bumpers, there are several considerations to keep in mind:

**Dock approach.** Generally a thicker bumper will be necessary with a declined approach, and thinner with an inclined approach.

**Dock height.** The dock's height determines the length or quantity of dock bumpers required.

**Mounting face conditions.** The condition and type of the mounting surface will influence the kind of bumper used and how it is mounted and installed.

**Types of trucks.** Depending on the variety, varying truck heights may require multiple rows of bumpers.

**Typical truck suspension.** Air-ride trailers use a suspension system; this allows trailers to shift towards and away from the dock during loading and unloading, potentially causing damage.

**Traffic.** Take into account the quantity and frequency of trailers and choose a durable bumper to handle the traffic.

### Laminated Bumpers

- Absorbs over 80% of truck impact and shock to protect the dock and building
- Constructed to last and provide years of protection
- Performs under any weather condition or prolonged exposure
- Eliminates costly repairs from severe shock to the docks



### Steel Face Bumpers

- Ideal for heavy usage loading docks
- Eliminates wear from excessive friction caused by the up and down movement of the trailer bed
- Performs under any weather condition or prolonged exposure
- Cost-effective due to longer wear expectancy requiring fewer replacements
- Maintenance free



### Molded Bumpers

- Low traffic docks
- Will not warp, rust, rot or harden
- Molded in one piece
- Offers the correct amount of resiliency to absorb pressure and impact shock without damage to the truck or dock
- Standard for edge-of-dock applications



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