

VB-SERIES HIGH-IMPACT SENSING BUMPERS

For applications subject to repeated high impacts



The **VB-Series High-Impact Sensing Bumpers** are designed to survive repeated crushing impacts that would destroy conventional bumpers. When deformed by contact or impact, they provide a signal in the form of an electrical contact closure. They are suitable for use on AGVs, mobile platforms, traveling conveyors, and other moving equipment or machinery. Sensitivity is uniform over the entire bumper surface, including any curved areas.

VB-Series Bumpers are available in lengths from 4 inches to 16 feet and in linear, winged, or corner configurations. The VB-125 is 1.25 inches wide at the base and the VB-250 is 2.5 inches wide. Yellow is standard, but other colors can be provided. An optional polyurethane cover is available for added durability. The bumper contact area has a rugged polyurethane cover for added durability.

Features & Benefits

- Survives repeated severe impacts
- Requires no guide wires and no adjustments
- Simple mounting options for easy installation
- Standard and winged versions
- Available in lengths up to 16 feet
- Fail-safe wiring is standard

Applications

- Automatic guided vehicle bumpers
- Protective edging on moving work platforms
- Horizontal or vertical sensing on large moving doors
- Contact detection on large and small mobile conveyors
- Collision detection on telescoping devices
- Position sensing on passenger loaders

Specifications

Exterior Housing	Polyurethane
Actuation Force	4 lbs. (18N) nominal @ 68°F
Dimensions	Length: 4 in. to 16 ft. long Width: 1.25 in. (VB-125) or 2.50 in. (VB-250) Height: 8 in. max
Recommended Voltage & Current	24 VAC or VDC at 1.0 amps max.
Environment	50 to 120°F (10 to 49°C) Waterproof per MIL-STD-810E salt fog
Color	Contact area black, support loops yellow