

Select Experience

Various factors comprise the loading dock system and contribute to the efficient transfer of goods and materials. Dock bumpers, dock levelers, dock lights, dock height, wheel chocks, and door seals or shelters should all be considered when designing a dock system. Contact us, and we will be happy to help you create the most cost-effective bumper system available.

Dock Bumper Arrangements

Most dock bumper installations should have vertical and horizontal coverage of the dock area for complete dock, truck and cargo protection.

For example, protection for an 8' bay is usually best accomplished with two vertical bumpers and one horizontal bumper of standard length. Our optional overlapping arrangements provide continuous protection and minimize installation costs. An additional row guarantees protection for vehicles of various heights.

When dock seals or shelters are used, extra-length, one-piece bumpers will completely seal trucks to the dock protecting cargo and employees from the elements.

Bumper Heights

standard bumper heights are 6", 10", or 12". The height can be increased by expanding the angle length and "stacking" bumper pads between them to create vertical units—20", 24", and 36".

The primary application for the 6" unit is on lip docks where the dock slab projects beyond the foundation with an impact face of less than 10" high.

The 10" unit is widely used for standard height docks that accommodate standard, or approximately equal-height trucks.

The heavier constructed 12" unit provides greater area and cube of rubber with a stronger steel frame (three connecting rods).

The 20", 24", or 36" vertical heights provide extended depth protection for varying truck heights (Fig. 1) for the lower steel members of trailer bodies. Consider them for docks that accommodate panel and peddle trucks as well as over-the-road trailers.

Vertical units are particularly applicable with truck leveling devices that raise the entire truck to dock level. Combined with horizontal units, (Figs. 3 & 4), vertical units prevent a loaded trailer from prying off the shorter bumpers as the truck bed rises while being unloaded (Fig. 2).

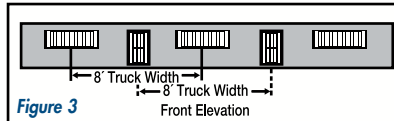
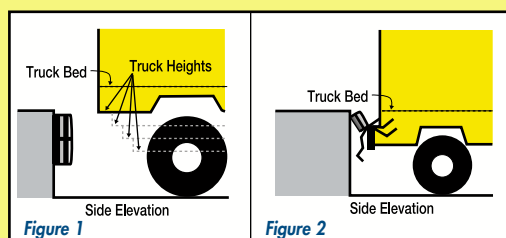


Figure 3

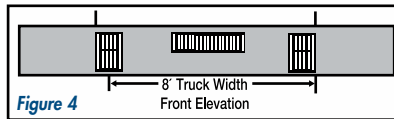


Figure 4

For Open Docks

For open docks with no predetermined truck spots, combination installations provide maximum protection (Fig. 3).

If 36" horizontal length units are used, maximum spacing should be 24" between units—5' on centers (Fig. 6).

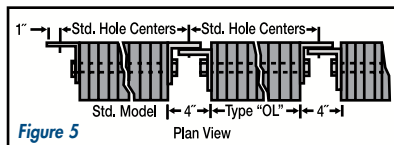


Figure 5

For an angled truck approach, spacing should be reduced to prevent a truck corner from contacting the dock between units.

If continuous bumper protection is needed, overlapping installations on common anchor bolts are recommended and reduce anchor bolt costs by 50% (Fig. 5).

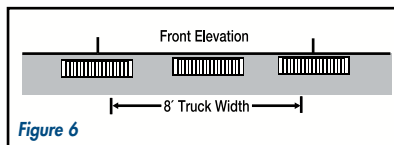


Figure 6

Overlapping reduces the spacing between each bumper to 4", and is applicable to any laminated bumper model.

Overlapping angles on adjacent bumpers cuts installation costs and increases the protected area. To order, specify standard model for first bumper at left, and "OL" construction on successive bumpers. Special-length bumpers to fill out dock spaces are also available.

For open docks or wide bays, extra-length, one-piece bumpers can also be used for maximum coverage and appearance (Fig. 7).

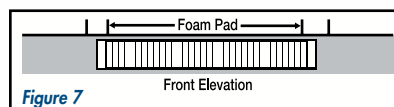


Figure 7

For 8', 9', or 10' Bays

For 8', 9', or 10' bays a variety of combinations exist. We recommend a combination of standard and vertical bumper designs (Fig. 3 & 4) for dock protection.

For Refrigerated Doors

(with or without dock shelters)

Refrigerated doors require 4-1/2" or 6" thick, extra-length, one-piece bumpers to completely seal the truck to the dock or shelter.

The same applies to doors sealed to maintain warm temperatures. With shelters, the rubber surface of the bumper must extend under the vertical members of the shelter pad to complete the all-around seal (Fig. 7).

For Portable Dock Plates

A 36" unit mounted in the center of the dock will automatically allow for dock plate insertion, even if a truck is spotted against the bumpers at the dock. With 3" angles on all bumpers, a 6" space is provided between units for the legs of the dock plate. Continue to fill the width of the bay with standard or vertical units as needed.

For Adjustable Dock Boards

If using 14" lengths, height should be minimum 12", (Figs. 8a, 8b). Most dock boards handle 4-1/2" or 6" thick bumpers and will not impair lip penetration into the truck.

If using horizontal bumpers, use similar to 24" units but with steel plate replacing the inboard angle. Fig. 9 shows damage from "short spacing". Fig. 10 shows "lateral safety zone" impact absorption advantage provided by longer bumpers.

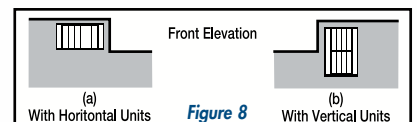


Figure 8

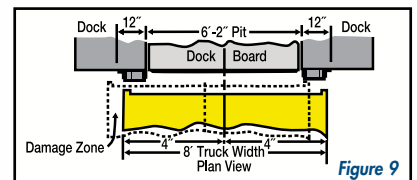


Figure 9

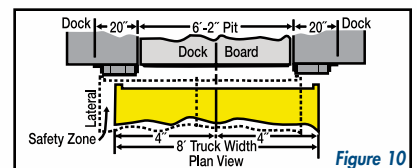


Figure 10

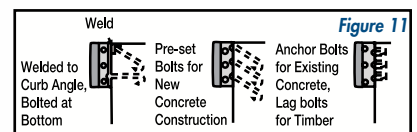
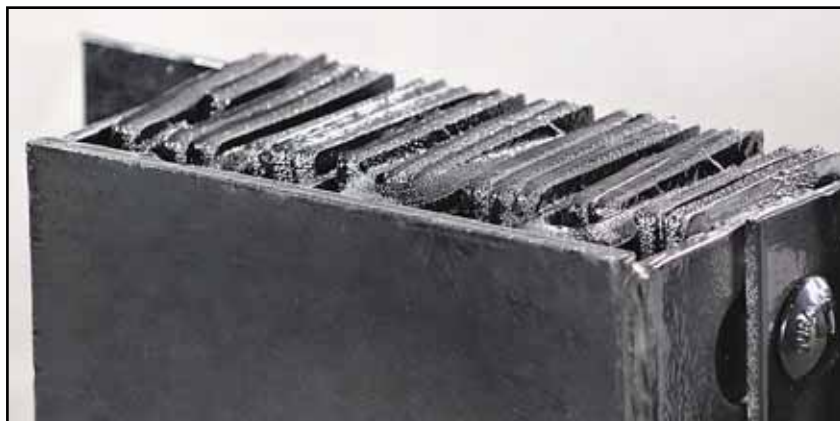


Figure 11

Bumper Installation

Install bumpers (Fig. 11) 1" to 2" below dock level. Use 3/4" or 5/8" lag bolts or sleeve anchors; minimum length 3" and use corresponding shield if required. Use 3/4" "J" bolts with a minimum length of 8" with 1-1/4" projection.

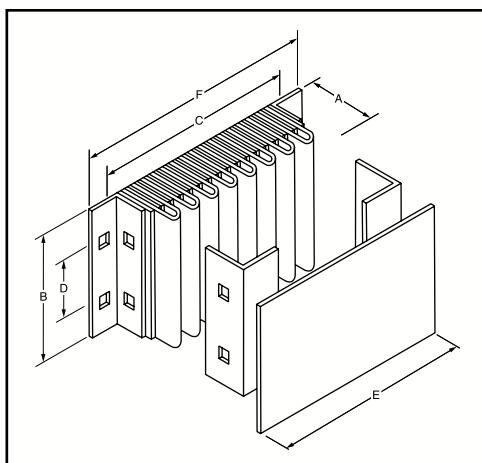


Uses/Applications

- Provides maximum protection with a unique "loop" design of bumper pads—the greatest impact absorption available on the market. Loop-design laminated bumper is a industry innovation.
- patented design has been thoroughly tested to prove that it provides maximum protection while maintaining the high-quality, heavy-duty dock and truck protection expected of a bumper.
- Steel-Face plate makes the Soft Bumper™ ideal for use in docking areas where excessive friction from up-and-down trailer movement occurs.
- Can be used in any material-handling system area where heavy-duty protection is required.

Features

- Unparalleled ability to deflect and absorb shock with loop design laminated bumper beneath a floating steel-face.
- Available in a wide variety of models, and can be mounted in various heights, from flush mount to 12" above dock, depending on highest impact area.



Benefits

- Maximum dock and truck protection available.
- Eliminates wear from up-and-down friction movement of trailer loading and unloading.
- Impervious to weather damage.
- Maintenance free.
- 5 year warranty.
- Cost effective.

Material/Thickness

- Rubber pads 4" thick with loop pad and 3/8" steel-face for overall thickness at 5-1/2".

Installation

- Structural mounting angles permit welded installations or provide bolting through steel.
- No assembly required.

Specifications

- Model No(s) _____. Resilient rubber material of bumpers shall be cut to uni-form size pads 4" thick with overall projection of 5-1/2". Longer, looped pads inserted between standard spacer pads to allow approximately 1/2" flex of looped pads upon impact. Pads punched to receive 3/4" supporting rods.
- Bumper to have 3/8" steel-face plate equal to the rubber surface dimensions. Plate to be welded to slotted steel support plates which extend back to the 3/4" supporting rods. Brackets to be punched with elongated slots to allow steel-face to "float" on impact.
- Finish to be black only.

Model	Projection x Height x Bolt Hole Centers (Length) (A x B x C) Size	D Vertical Bolt Hole Centers	E Rubber Length	F Overall Length	Wt. lbs.
B5510-14-DS	5-1/2" x 10" x 14"	6"	10"	16"	48
B5510-18-DS	5-1/2" x 10" x 18"	6"	14"	20"	58
B5510-24-DS	5-1/2" x 10" x 24"	6"	20"	26"	73
B5510-36-DS	5-1/2" x 10" x 36"	6"	32"	38"	72
B5512-14-DS	5-1/2" x 12" x 14"	4"	10"	16"	35
B5512-18-DS	5-1/2" x 12" x 18"	4"	14"	20"	44
B5512-24-DS	5-1/2" x 12" x 24"	4"	20"	26"	58
B5512-36-DS	5-1/2" x 12" x 36"	4"	32"	38"	84
B5520-11-DS	5-1/2" x 20" x 11"	6"	7"	13"	73
B5524-11-DS	5-1/2" x 24" x 11"	4"	7"	13"	56
B5536-11-DS	5-1/2" x 36" x 11"	4"	7"	13"	85



Steel-Face Dock Bumpers

Benefits

- Eliminates wear from up-and-down friction movement of trailers loading and unloading.
- Cost-effective due to longer wear expectancy and fewer replacement costs.
- Impervious to weather damage.
- Maintenance free.
- 5 year warranty.

Material/Thickness

- Fabric reinforced pads cut from selected recycled truck tires
- Standard pad thickness at 4-1/2" and 6" thick. Heights at 6", 10", and 12".
- Steel-face is 3/8" thick, heavy-duty, high carbon steel that is mounted to standard laminated dock bumper.
- Also available in extra-thick sizes of 9", 10-1/2", and 12" projections.

Installation

- Structural mounting angles permit welded installations or provide bolting through steel.
- No assembly required.

Specifications

- Model No(s)_____. Resilient rubber material cut to uniform size pads 4-1/2" thick with overall projection of 5-1/4" [other pad thicknesses available: 6", 9", 10 1/2", and 12"]. Punched to receive 3/4" supporting rods.
- Bumper to have 3/8" steel-face plate equal to the rubber surface dimensions. Plate to be welded to two slotted steel support plates which extend back to the 3/4" supporting rods. Brackets to be punched with elongated slots to allow steel-face to move impact.
- Finish to be black only.

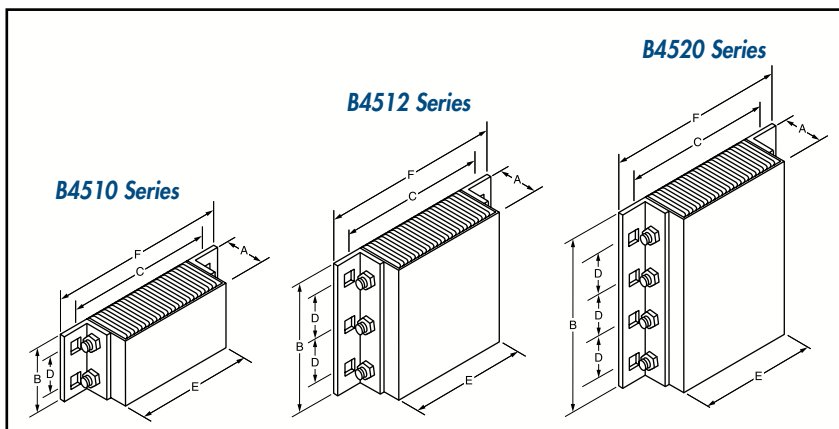


Uses/Applications

- Ideal for use in docking areas where excessive friction from up-and-down trailer movement occurs.
- Can be used in any material-handling system area where heavy-duty protection is required.

Features

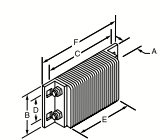
- Available ability to deflect and absorb shock with standard laminated bumper beneath the steel-face.
- Comes in a wide variety of models, and can be mounted in various heights, from flush mount to 12" above dock, depending on highest impact area.



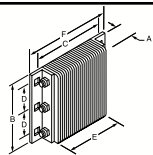
Model	Projection x Height x Bolt Hole Centers (Length) (A x B x C) Size	D Vertical Bolt Hole Centers	E Rubber Length	F Overall Length	Wt. lbs.
B4510-14-SF	5-1/4" x 10" x 14"	6"	10"	16"	48
B4510-18-SF	5-1/4" x 10" x 18"	6"	14"	20"	58
B4510-24-SF	5-1/4" x 10" x 24"	6"	20"	26"	73
B4510-36-SF	5-1/4" x 10" x 36"	6"	32"	38"	72
B4512-14-SF	5-1/4" x 12" x 14"	4"	10"	16"	35
B4512-18-SF	5-1/4" x 12" x 18"	4"	14"	20"	44
B4512-24-SF	5-1/4" x 12" x 24"	4"	20"	26"	58
B4512-36-SF	5-1/4" x 12" x 36"	4"	32"	38"	84
B4520-11-SF	5-1/4" x 20" x 11"	6"	7"	13"	73
B4524-11-SF	5-1/4" x 24" x 11"	4"	7"	13"	56
B4536-11-SF	5-1/4" x 36" x 11"	4"	7"	13"	85
B610-14-SF	6-3/4" x 10" x 14"	6"	10"	16"	33
B610-18-SF	6-3/4" x 10" x 18"	6"	14"	20"	40
B610-24-SF	6-3/4" x 10" x 24"	6"	20"	26"	55
B610-36-SF	6-3/4" x 10" x 36"	6"	32"	38"	82
B612-14-SF	6-3/4" x 12" x 14"	4"	10"	16"	39
B612-18-SF	6-3/4" x 12" x 18"	4"	14"	20"	50
B612-24-SF	6-3/4" x 12" x 24"	4"	20"	26"	72
B612-36-SF	6-3/4" x 12" x 36"	4"	32"	38"	105
B620-11-SF	6-3/4" x 20" x 11"	6"	7"	13"	53
B624-11-SF	6-3/4" x 24" x 11"	4"	7"	13"	64
B636-11-SF	6-3/4" x 36" x 11"	4"	7"	13"	100

NOTE: Available in 9" thick pads with an overall 9 3/4" projection. Other standard sizes available.

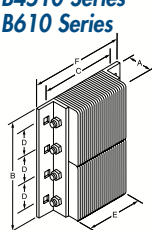
Laminated Rubber Dock Bumpers



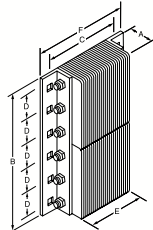
**B4506 Series
B4510 Series
B610 Series**



B4512 Series



**B4520 Series
B620 Series**



**B4524 Series
B624 Series**



- Rub rails at the sides of truck wells.
- Wall bumpers to protect against fork lift trucks.
- Special construction features to accommodate unusual anchoring conditions.

Features

- Tough plies of truck tire material virtually eliminates chipping or abrasion, unlike molded rubber, extruded rubber, conveyor belting or wood plank bumpers.
- Attractive deep black color enhances a neat, professional architectural look.
- Manufactured under pressure exceeding 1,500 lbs. to absorb over 80% of impact force.
- Anchor bolts are protected by at least 3" of rubber to prevent damage.



Benefits

- Provides protection against vehicle damage to docks, buildings and cargo.
- Absorbs over 80% of truck impact and shock to protect dock and building.
- Leading bumper sold in the industry today.
- Standard sizes shipped within 24 hours.
- Eliminates costly repairs from severe shock to docks.
- Constructed to last and provide years of protection.
- Anchored through thick steel angles to provide stability and shape retention.
- Performs on any truck dock under any weather condition or prolonged exposure.
- Maintenance free. 5 year warranty.

Material/Thickness

- Fabric reinforced rubber pads cut from selected recycled truck tires.
- Rubber pads laminated between structural steel angles and secured with 3/4" steel tie rods.
- Rubber pads 4-1/2" or 6" thick.

Uses/Applications

- Available in two models: bumpers with angles for most applications—equipped with 1/4" steel angles on both ends; and bumpers with flat plate for use with dock levelers—optional 1/4" flat steel plate for one or both ends.
- Have unlimited applications in factories, warehouses and docks.
- Vehicle impact protection for loading docks.
- Projecting above low docks.

Model	Projection x Height x Bolt Hole Centers (Length) (A x B x C) Size	D Vertical Bolt Hole Centers	E Rubber Length	F Overall Length	Wt. lbs.
B4506-24	4-1/2" x 6" x 24"	3"	20"	26"	28
B4506-36	4-1/2" x 6" x 36"	3"	32"	38"	42
B4510-12	4-1/2" x 10" x 12"	6"	8"	14"	25
B4510-14	4-1/2" x 10" x 14"	6"	10"	16"	26
B4510-18	4-1/2" x 10" x 18"	6"	14"	20"	34
B4510-24	4-1/2" x 10" x 24"	6"	20"	26"	45
B4510-36	4-1/2" x 10" x 36"	6"	32"	38"	66
B4512-12	4-1/2" x 12" x 12"	4"	8"	14"	31
B4512-14	4-1/2" x 12" x 14"	4"	10"	16"	32
B4512-18	4-1/2" x 12" x 18"	4"	14"	20"	41
B4512-24	4-1/2" x 12" x 24"	4"	20"	26"	56
B4512-36	4-1/2" x 12" x 36"	4"	32"	38"	82
B4520-11	4-1/2" x 20" x 11"	6"	7"	13"	42
B4524-11	4-1/2" x 24" x 11"	4"	7"	13"	51
B4536-11	4-1/2" x 36" x 11"	4"	7"	13"	85
B610-12	6" x 10" x 12"	6"	8"	14"	29
B610-14	6" x 10" x 14"	6"	10"	16"	33
B610-18	6" x 10" x 18"	6"	14"	20"	43
B610-24	6" x 10" x 24"	6"	20"	26"	58
B610-36	6" x 10" x 36"	6"	32"	38"	84
B612-12	6" x 12" x 12"	4"	8"	14"	34
B612-14	6" x 12" x 14"	4"	10"	16"	41
B612-18	6" x 12" x 18"	4"	14"	20"	51
B612-24	6" x 12" x 24"	4"	20"	26"	69
B612-36	6" x 12" x 36"	4"	32"	38"	105
B620-11	6" x 20" x 11"	6"	7"	13"	52
B624-11	6" x 24" x 11"	4"	7"	13"	63
B636-11	6" x 36" x 11"	4"	7"	13"	100

Installation

- Structural mounting angles permit welded installations or provide bolting through steel.

Specifications

- Model No(s)_____. Resilient rubber material of bumpers shall be rubberized-fabric truck tires cut to uni-form size pads and punched to receive 3/4" supporting rods.
- All bumpers must be 4-1/2" or 6" thick (projection from dock), and closed with two 1/4" structural angles under approximately 1,500 lbs of pressure.
- The anchor leg of angle extends a minimum of 3" beyond the rubber surface at either end and contains two or three 13/16" anchor bolt holes as required. (Anchor bolts are supplied separately.)
- Black finish.
- Galvanized exposed metal or all metal available upon request, surcharges apply.



Extra-Length Laminated Dock Bumpers

Material/Thickness

- Made of tough rubberized fabric pads, 4-1/2" or 6" thick cut from selected recycled truck tires.
- Rubber pads laminated between heavy structural steel angles and secured with 3/4" steel tie rods.

Installation

- Structural mounting angles permit welded installations or provide bolting through steel.
- Four options for anchorage devices for extra-length bumpers.

Specifications

- Model No(s) _____. Resilient rubber material of bumpers shall be rubberized-fabric truck tires cut to uniform size pads either 4-1/2" x 10", 6" x 10", 4-1/2" x 12", or 6" x 12". Pads punched to receive 3/4" supporting rods.
- All bumpers are closed with two 1/4" structural angles under approximately 1,500 lbs of pressure. The angles are welded to 3/4" rods at one end and closed with threaded rod and nut at the other end. 1/4" flat plates may be substituted for one or both angles.
- The anchor leg of angle extends a minimum of 3" beyond the rubber surface at either end and contains two or three 13/16" anchor bolt holes as required. (Anchor bolts are supplied separately.)
- Black finish.

Uses/Applications

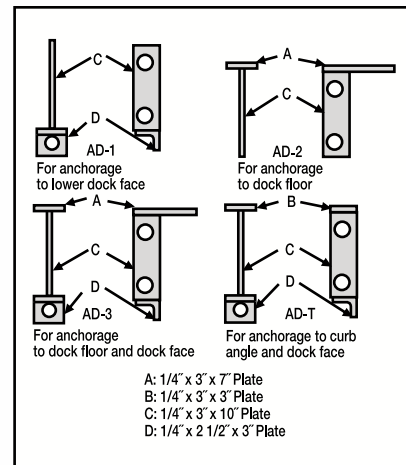
- Primarily used in conjunction with dock-seal.
- Ideal where dock refrigeration or warmth is needed.

Features

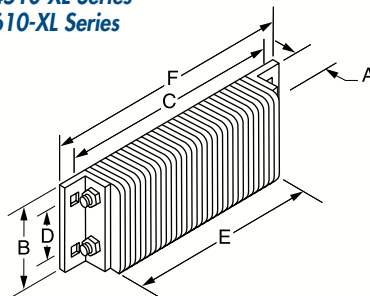
- Dock-seal and bumper interact to totally seal the truck to the dock.
- Provides continuous protection for truck, cargo, dock and shelter to stop wind, snow and rain.
- Custom lengths available.

Benefits

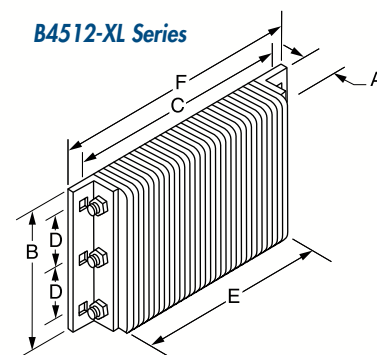
- Prevents loss of refrigeration or warmth.
- Maintenance free—weather resistant.
- Absorbs over 80% of truck impact and shock to protect dock and building.



**B4506-XL Series
B4510-XL Series
B610-XL Series**



B4512-XL Series



Model	Projection x Height x Bolt Hole Centers (Length) (A x B x C) Size	D Vertical Bolt Hole Centers	E Rubber Length	F Overall Length	Wt. lbs.
B4506-87-A*	4-1/2" x 6" x 7'-3"	3"	6'-11"	7'-5"	98
B4506-99-A*	4-1/2" x 6" x 8'-3"	3"	7'-11"	8'-5"	121
B4510-51-A*	4-1/2" x 10" x 4'-3"	6"	3'-11"	4'-5"	101
B4510-63-A*	4-1/2" x 10" x 5'-3"	6"	4'-11"	5'-5"	124
B4510-75-A*	4-1/2" x 10" x 6'-3"	6"	5'-11"	6'-5"	147
B4510-87-A*	4-1/2" x 10" x 7'-3"	6"	6'-11"	7'-5"	172
B4510-99-A*	4-1/2" x 10" x 8'-3"	6"	7'-11"	8'-5"	193
B4510-111-A*	4-1/2" x 10" x 9'-3"	6"	8'-11"	9'-5"	218
B4510-123-A*	4-1/2" x 10" x 10'-3"	6"	9'-11"	10'-5"	238
B4512-51-A*	4-1/2" x 12" x 4'-3"	4"	3'-11"	4'-5"	120
B4512-63-A*	4-1/2" x 12" x 5'-3"	4"	4'-11"	5'-5"	148
B4512-75-A*	4-1/2" x 12" x 6'-3"	4"	5'-11"	6'-5"	175
B4512-87-A*	4-1/2" x 12" x 7'-3"	4"	6'-11"	7'-5"	202
B4512-99-A*	4-1/2" x 12" x 8'-3"	4"	7'-11"	8'-5"	230
B4512-111-A*	4-1/2" x 12" x 9'-3"	4"	8'-11"	9'-5"	258
B4512-123-A*	4-1/2" x 12" x 10'-3"	4"	9'-11"	10'-5"	284

*Refer to illustration AD-1, AD-2, AD-3 or AD-T for type of anchorage device. AD-3 is standard unless otherwise specified.
NOTE: 6" projection also available in standard sizes.

Extra-Thick Laminated Dock Bumpers

Uses/Applications

- Where greater "stand out" distance from dock sills is required due to steep ramps, canopied docks, overhangs or other architectural features.

Features

- Consists of tough plies of truck tire fabric which virtually eliminates chipping or abrasion.

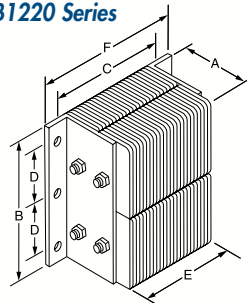
Benefits

- Maintenance free, weather resistant.
- Prevents damage to trucks, loading docks and buildings by providing greater stand-out distance from dock sills on steep ramps.
- Protects dock seals from over-compression.

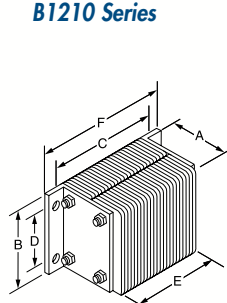
Special Notes

- Refer to stand-out distance planner to choose proper thickness for incline docks.
- Extra-Thick bumpers are not warranted due to specialty applications where they are used.

**B920 Series
B10520 Series
B1220 Series**



**B910 Series
B10510 Series
B1210 Series**



Material/Thickness

- Uniform size, fabric reinforced rubber pads cut from selected recycled truck tires in 9", 10-1/2", and 12" projections.

Installation

- Structural mounting angles permit welded installations or provide bolting through steel (as opposed to bolting through rubber).
- No assembly required.

Specifications

- Model No(s) _____. Resilient rubber material of bumpers shall be rubberized truck tires cut to uniform size pads, in stand-out thicknesses of 9", 10-1/2" or 12", punched to receive 3/4" steel tie rods.
- All bumpers are closed with two 1/4" steel formed angles under approximately 1,500 lbs of pressure. 1/4" flat plates may be substituted for one or both angles.
- Anchor leg of angle extends a minimum of 3" beyond the rubber surface at either end and contains two or three 13/16" anchor bolt holes as required. (Anchor bolts are supplied separately). Finish for exposed metal parts is either chrome aluminum lead-free enamel, or hot-dipped galvanized.

Model	Projection x Height x Bolt Hole Centers (Length) (A x B x C) Size	D Vertical Bolt Hole Centers	E Rubber Length	F Overall Length	Wt. lbs.
B910-14	9" x 10" x 14"	6"	10"	16"	63
B910-24	9" x 10" x 24"	6"	20"	26"	98
B910-36-A3*	9" x 10" x 36"	6"	32"	38"	152
B920-11	9" x 20" x 11"	6"	7"	13"	103
B10510-14	10-1/2" x 10" x 14"	6"	10"	16"	71
B10510-24	10-1/2" x 10" x 24"	6"	20"	26"	109
B10510-36-A3*	10-1/2" x 10" x 36"	6"	32"	38"	167
B10520-11	10-1/2" x 20" x 14"	6"	7"	13"	109
B1210-14	12" x 10" x 14"	6"	10"	16"	76
B1210-24	12" x 10" x 24"	6"	20"	26"	120
B1210-36-A3*	12" x 10" x 36"	6"	32"	38"	195
B11210-11	12" x 20" x 11"	6"	7"	13"	134

*Center anchorage device recommended for 36" long bumpers. A3 standard unless otherwise specified. See illustration on page 7.

Molded Dock Bumpers

Material/Thickness

- Manufactured from fiber reinforced prime rubber containing nylon and polyester.
- Comes in models varying in thickness from 2" to 6".
- All bumpers have impact recovery (ASTM 1170) of 95% with a durometer reading of 80 plus or minus 5.
- Tensile strength: 950-1505 PSI.
- All models have pre-drilled, countersunk mounting holes for easy installation, and are drilled to accept 3/4" anchor bolts.

Installation

- Installation is easy—3/4" anchor bolts are mounted through pre-drilled holes into dock.

Specifications

- Model No(s)_____. Molded in one piece of all new nylon and new polyester rein-forced rubber.
- Bumper to have a durometer reading of 80 plus or minus 5, tensile strength of 950-1050 PSI, and an impact recovery (ASTM 1170) of 95%.

Uses/Applications

- Perfect protection for any low traffic truck dock.
- In-plant wall protection from forklifts and other material handling vehicles.

Features

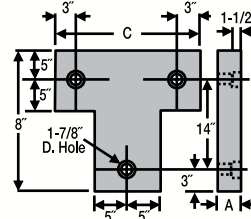
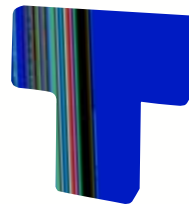
- Makes for a clean, neat, attractive dock area.
- Molded in one piece.
- Will not warp, rust, rot or harden.
- Compact size.
- Spectra-Shield Dock Bumper face constructed of Ultra High Molecular

Weight (UHMW) polyethylene recessed into reinforced molded rubber. Call for information and specifications.

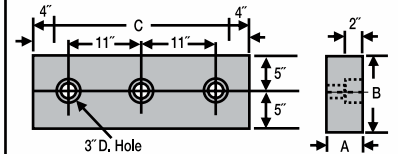
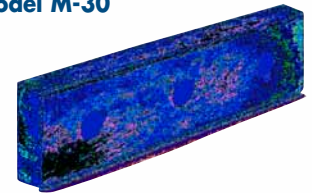
Benefits

- Unique design and construction achieves high impact resistance and long life.
- Immune to all weather conditions.
- Maintenance-free.
- Offers the correct amount of resiliency to absorb pressure and impact shock without damage to truck or dock.
- One year warranty

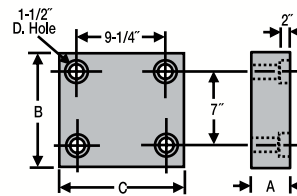
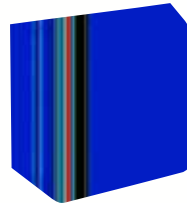
Model T



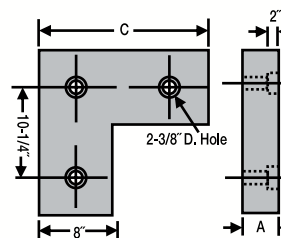
Model M-30



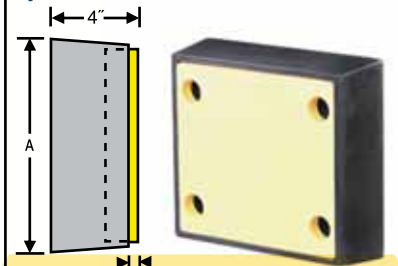
Model R



Model L

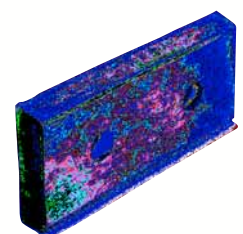
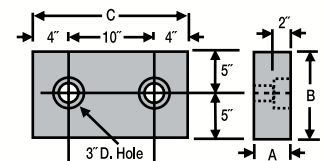


Spectra Shield

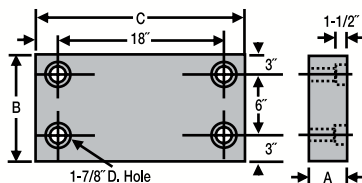
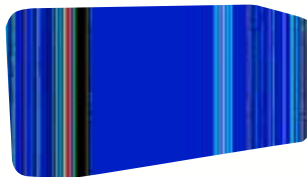


DISCONTINUED

Model M-18



Model B Series



Model	A Thickness	B Height	C Width	Bolt Size	No. of Bolts	Wt. lbs.
T	3"	22"	22"	3/4" x 4"	3	35
L	4"	18"	18"	3/4" x 6"	3	33
R	4"	12"	13"	3/4" x 6"	4	23
M-18	4"	10"	18"	3/4" x 6"	2	27
Spectra Shield SS1213	4"	12"	12"	3/4" x 6"	4	24
B	3"	12"	24"	3/4" x 4"	4	29
BB	4"	12"	24"	3/4" x 6"	4	38
BBB*	6"	12"	24"	3/4" x 6"	4	67
M-30	4"	10"	30"	3/4" x 6"	3	43
DB-13	4"	10"	13"	5" x 6"	2	18

Extruded Dock Bumpers

Model	A Thickness	B Height	Length	Bolt Size	Wt. lbs.	Color
D-2	1-3/4"	2"	Up to 10'	1/4" x 2"	1.4 lbs/ft	Black
D-4	4"	4-1/4"	Up to 10'	1/2" x 3"	3 lbs/ft	Black
D-6	6"	6"	Up to 10'	1/2" x 3"	8.5 lbs/ft	Black
E 1 1/2" (38.1mm)	1-1/2"	8"	Up to 10'	3/8" x 3-3/4"	6.5 lbs/ft	Black

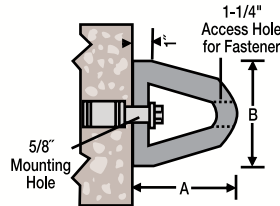
NOTE: All dimensions are approximate.

Uses/Applications

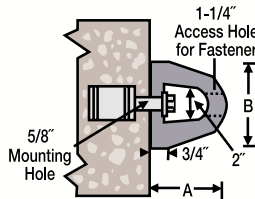
- Appropriate for outdoor or indoor protection.
- For commercial loading docks, parking garages, and marinas.
- For vehicles such as tow trucks, trailers and heavy duty construction equipment.
- In-plant wall protection from forklifts and other material handling vehicles.

Features

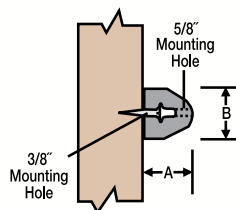
- Variety of styles available for greater flexibility.
- Can be pre-drilled for immediate installation.



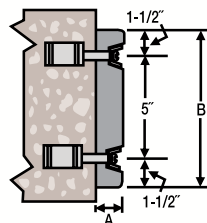
Model D-6



Model D-4



Model D-2



Model E

Benefits

- Installs easily.
- Eliminates costly and unsightly damage to equipment, vehicles and structures.
- Resistant to all types of weather.
- One piece construction.
- One year warranty.

Material/Thickness

- Made of solid rubber for medium and heavy-duty protection.
- All bumpers have impact resistance (ASTM 2632) of 75% with a durometer reading of 70 plus or minus 5.
- D-4 and D-6 available with steel mounting bars.

Installation

- Anchor bolts easily installed through pre-drilled holes into dock.

Specifications

- Model No(s) _____. Resilient molded nylon and polyester reinforced rubber as well as rubber bumpers.
- Bumpers are made of rubber with a durometer reading of 70 plus or minus 5. Tensile strength of 1,850 PSI with an elongation of 220%. The tear strength (ASTM 624) is 229 pounds per inch with impact resistance (ASTM 2632) of 75%.

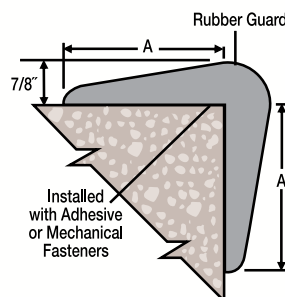
Corner Guards

Uses/Applications

- Wide variety of uses in industrial and commercial applications to withstand abrasion and jolts.
- Provide maximum protection in storage spaces, parking garages and loading docks.

Features

- Mounted vertically or horizontally along the corners of walls or beams to prevent damage.
- Heavy-duty flexible compound prevents damage to equipment and vehicles to save money.



Benefits

- Easy installation.
- Maintenance free.
- Tough and long-lasting in severe weather.
- One year warranty.

Material/Thickness

- Made of all natural rubber.
- 7/8" thick at corner.

Installation

- Adhesive and/or mechanical fasteners for permanent protection.

Model	Thickness	A Width	Length	Weight lbs.	Color
CG-1	7/8"	4"	Up to 10'	2.6 lbs/ft	Gray
CG-2	7/8"	4"	Up to 10'	2.6 lbs/ft	Black