

Wabo® SafetyGuard

Parking Series

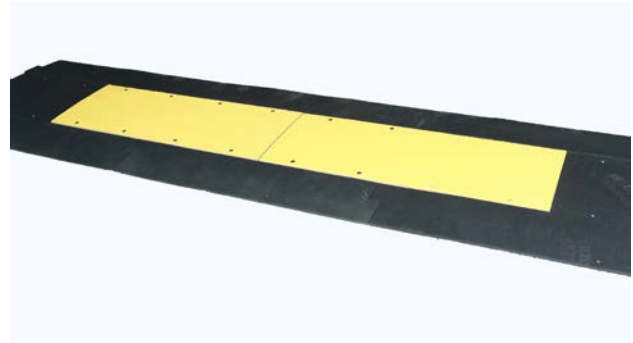
Heavy Duty Expansion Control and Traffic Calming System

Molded panels manufactured using 100% post-consumer passenger and truck tires

Features	Benefits
<ul style="list-style-type: none"> Dual Purpose 	Expansion joint system and speed deterrent in one product
<ul style="list-style-type: none"> Sustainable 	Molded rubber panels made from 100% Post-consumer passenger and truck tires
<ul style="list-style-type: none"> Sound Attenuation 	Engineered to completely eliminate cover plate noise using QuietRide™ technology
<ul style="list-style-type: none"> ADA Compliant 	System in conformance to ADA Guidelines for safe passage of pedestrian traffic
<ul style="list-style-type: none"> Restoration/ Retro-fit Ready 	<ul style="list-style-type: none"> Can be installed at existing expansion joint locations that require speed deterrent feature Can be installed directly on concourse decks or slow speed asphalt roadways to reduce vehicle speeds

DESCRIPTION:

Wabo® SafetyGuard combines expansion joint technology and speed deterrence into one unique product. System is load rated to resist vehicular traffic loads and impact forces at slow speeds within parking structures and stadium concourses. Raised cross section provides a visual warning to motorists to reduce speed. Segmental molded panel and construction staging sized panels allow for rapid installation.



KEY FEATURES:

- Accommodates vehicular loads, and is fully ADA compliant.
- Designed to prevent plate to plate contact noise through use of QuietRide™ technology.
- Molded rubber panels manufactured from 100% post-consumer recycled tires resulting in a product made from recovered materials.
- High coefficient of friction surface finish on steel cover plates for superior performance in all types of environments and conditions
- Maintenance free components and finishes for extremely low maintenance costs
- Optional drain trough available

RECOMMENDED FOR:

- Parking structures where expansion joint locations are near pedestrian entry/exits.
- Parking structures where speed deterrents are desired. Dual purpose design eliminates the need for speed bumps.
- Retro-fit application where existing vehicle speeds require an engineering control to reduce traffic speeds.



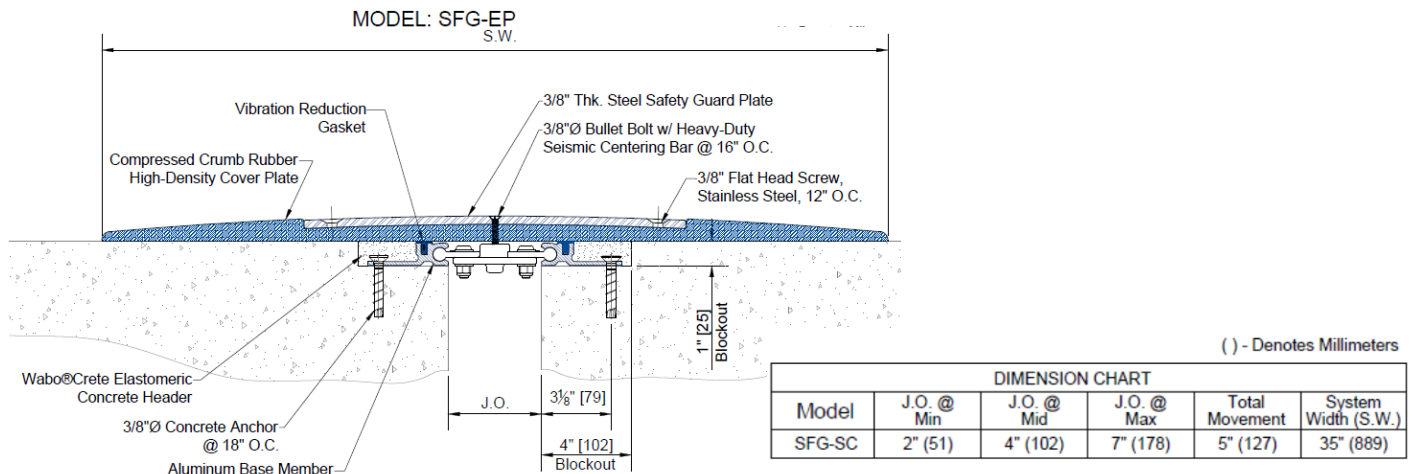
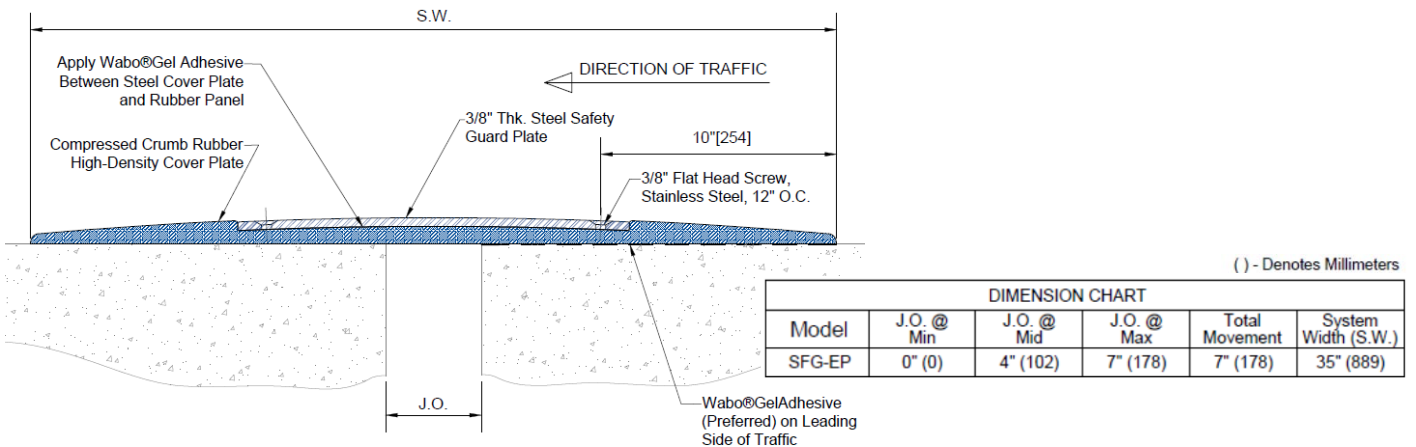
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PACKAGING/COVERAGE:

- Molded panels, steel cover plates and system components packaged as kits for easy installation.
- Optional drain trough can be shipped in continuous lengths up to 50'-0".
- Existing blockout geometry of removed system(s) can be filled with Wabo®Crete II Elastomeric Concrete if self-centering system is not required.

TECHNICAL DATA:

Wabo®SafetyGuard combines state-of-the-art components and manufacturing processes to present a durable, quiet riding expansion joint and functional speed bump product. Rubber panels molded to a very high and stable durometer from recycled vehicle tires. Proprietary molding processes and finishing result in a stable, repeatable molded product that has virtually unrecognizable color and mechanical property variation. A selection of colors is available to coordinate with color schemes of multi-level parking structures, while a safety yellow high solids epoxy paint system on the exposed steel cover plate highlights a speed bump to motorists. When specified, the self-centering system is supplied from components highly resistant to corrosion for maximum design life.



MODEL: SFG-SC

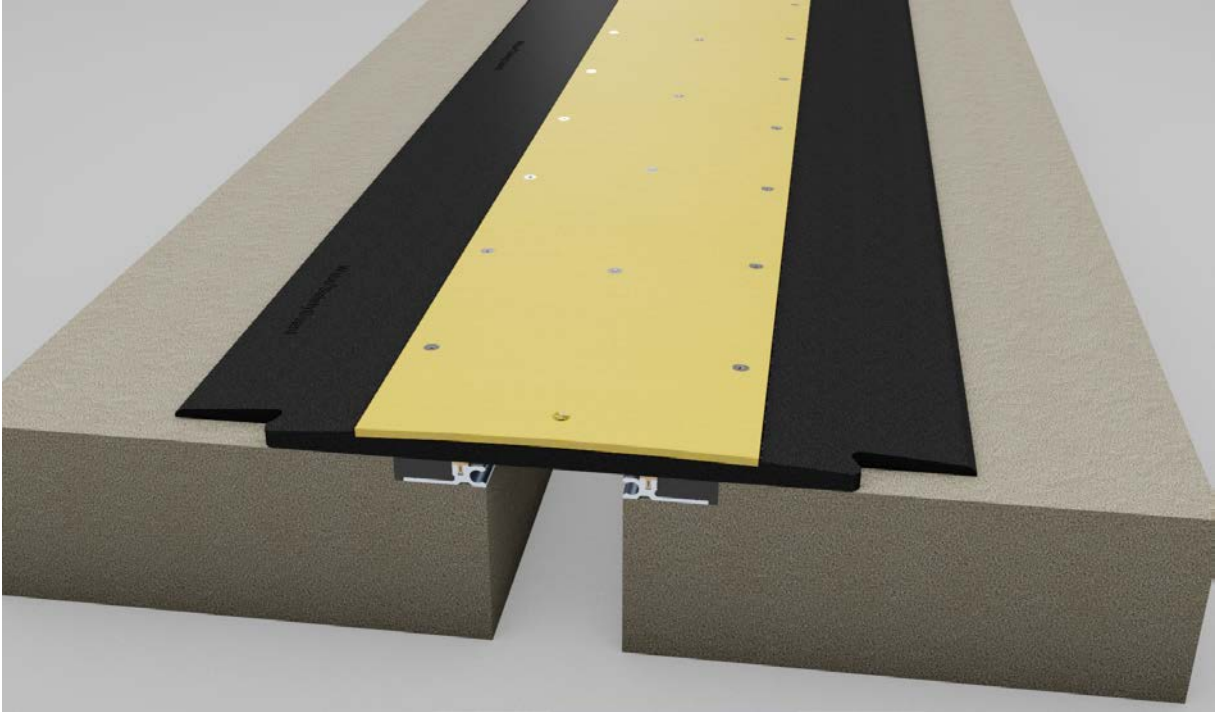
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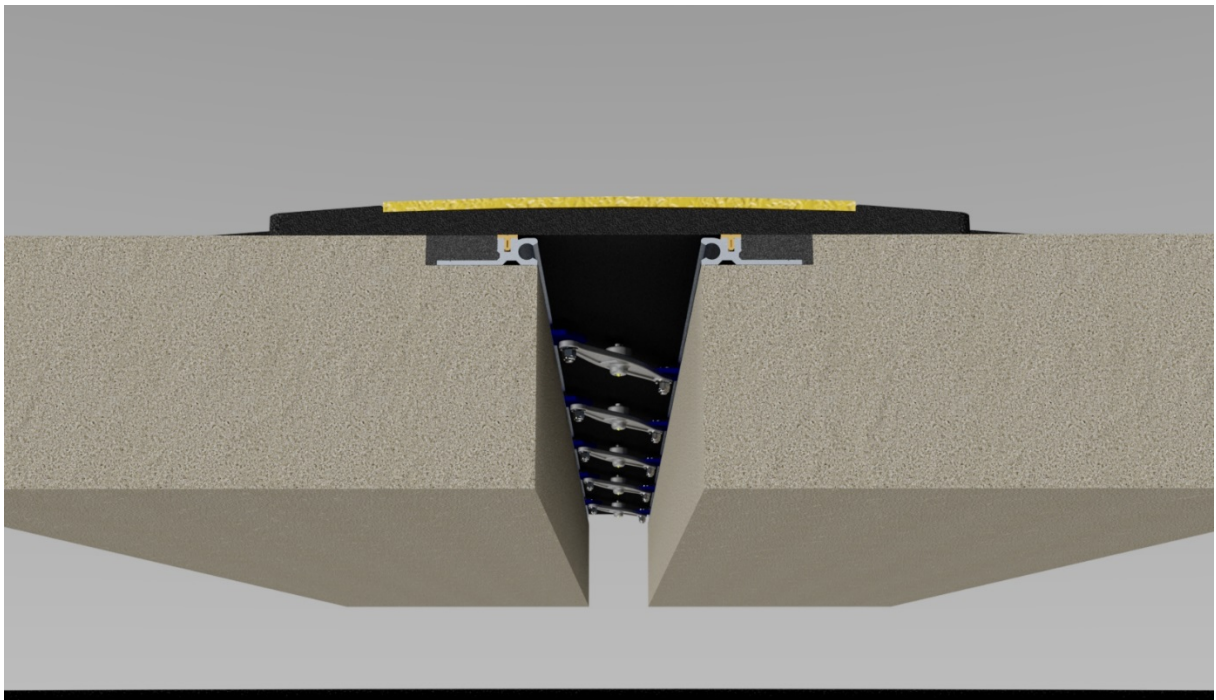




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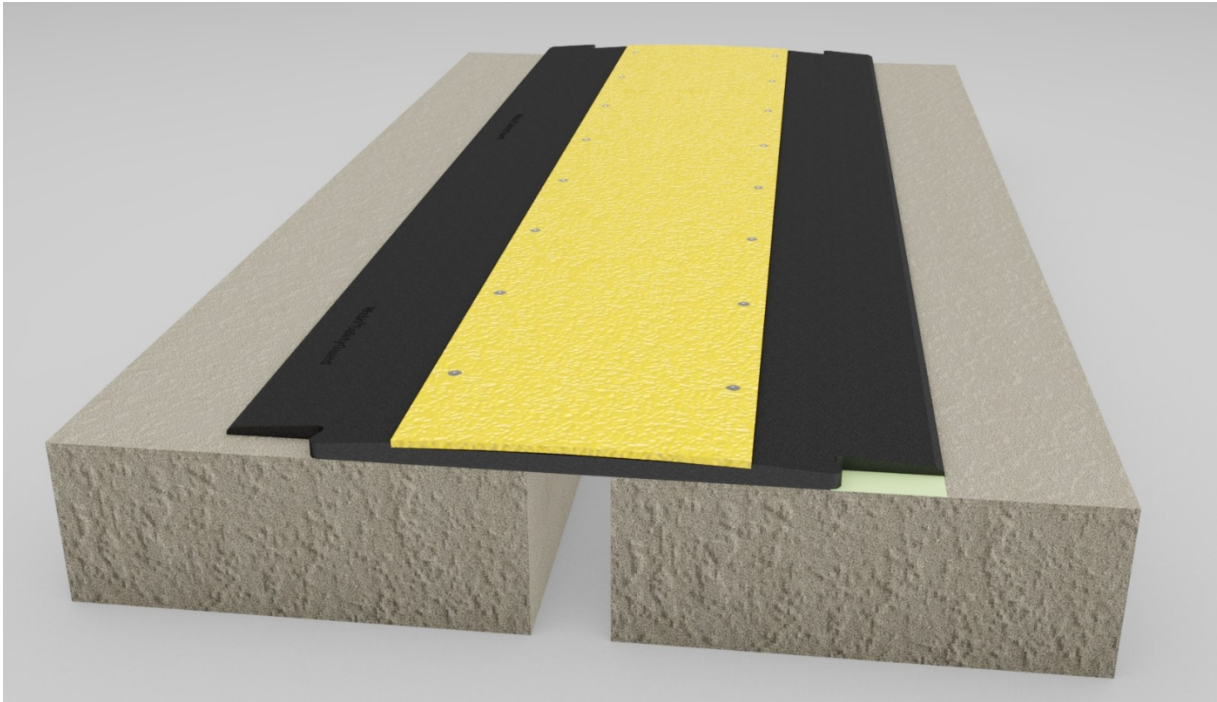
Self-Centering Attachment "SC" version



Self-Centering Attachment "SC" version

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Surface Mount Epoxy Attachment “EP” version

PHYSICAL PROPERTIES:

Steel Cover Plates – All steel members and cover plates are manufactured from structural steel, and are designed by WBA Engineering staff to properly carry loads, limit deflection, and account for infinite fatigue life.

QuietRide™ Technology – Molded rubber panels are in direct contact with adjacent parking deck to eliminate noise. Specialty designed non-metallic self-centering bars assist in keeping the system centered over the joint opening without noise during service if specified.

Slip Resistant Coating – High coefficient of friction slip resistant epoxy coating factory applied to ensure years of service under the most aggressive environments. Finish color can be supplied in safety yellow for increased visibility for speed deterrent applications.

Wabo® Crete II Elastomeric Concrete – Refer to Wabo® Crete II data sheet for details on physical properties.

Optional: Wabo® GutterFlex Drain Trough

PROPERTY	REQUIREMENTS
Fabric Type	4 ounce polyester cloth
Temperature Range	- 30° F + 200° F
Hardness Shore A	70 +/-5
Tensile, PSI	1000
Elongation, %	250
Tear, Die C, PPI	150

INSTALLATION SUMMARY (Surface mount EP system):

- **Concrete** - Concrete interface must be dry and clean (free of dirt, coatings, rust, greases, oil and other contaminants), sound and durable. Loose, contaminated, spalled, deteriorated and/or delaminated concrete must be removed to sound concrete and repaired prior to placement of the expansion control system. New concrete must be cured (minimum of 14 days recommended).
- Install gutter per installation guidelines (if required).
- Align and attach molded panels to supporting structure using Manufacturer recommended adhesive on traffic approaching side of system location.
- Interlock molded panels.
- Install steel cover plates onto molded rubber panels.

INSTALLATION SUMMARY (Self-centering SC system mounted):

- **Concrete** – See above.
- Prepare blockout to proper dimensions and grade as shown on contract plans or shop drawings. The bottom of the blockout shall be parallel with the plane of the roadway (true and flat).

- Install gutter per installation guidelines (if required).
- Install self-centering components.
- Align molded panels on supporting structure.
- Interlock molded panels.
- Install steel cover plates onto molded rubber panels and use center holes in cover plates to attach system to self-centering system.

ADDITIONAL REQUIREMENTS/EQUIPMENT:

- 3/16 inch notched trowel
- Nylon bristle brush
- Circular saw & portable band saw if cutting

FOR BEST RESULTS:

- Install when concrete substrate is clean, sound, dry, and cured (14 day minimum).
- Minimize gutter splice points by installing the optional drain trough in longest possible continuous length.
- Do not allow any Wabo®Crete II elastomeric concrete components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50°F (10°C) and 90°F (32°C).
- Shelf life of chemical components is 1 year.
- Periodically inspect bolts for tightness, and repair localized areas as needed. Consult a Watson Bowman Acme representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website (www.wbacorp.com) or contact a customer service representative at 1-800-677-4922.
- Proper application is the responsibility of the user. Field visits by Watson Bowman Acme personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.



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RELATED DOCUMENTS

- Material Safety Data Sheets
- Wabo®SafetyGuard Specifications
- Wabo®SafetyGuard Sales Drawings

LIMITED WARRANTY:

Watson Bowman Acme Corp. warrants that this product conforms to its current applicable specifications. WATSON BOWMAN ACME CORP. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Watson Bowman Acme Corp. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL WATSON BOWMAN ACME CORP. BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Other warranties may be available when the product is installed by a factory trained installer. Contact your local Watson Bowman Acme representative for details. The data expressed herein is true and accurate to the best of our knowledge at the time published; it is, however, subject to change without notice.

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