

Wabo®StripSeal

Armored small movement expansion joint system

Features	Benefits
<ul style="list-style-type: none"> • Flexible applications 	Variable steel extrusions provide greater flexibility to accommodate any new construction or repair project condition
<ul style="list-style-type: none"> • Versatile movement 	Accommodates various expansion joint movements and configurations.
<ul style="list-style-type: none"> • Heavy duty 	Accommodates heavy duty loads and bridge deflections.
<ul style="list-style-type: none"> • Watertight 	Continuous sealing element prevents water from leaking through the expansion joint opening



DESCRIPTION:

Wabo®StripSeal expansion joint system consists of an elastomeric gland mechanically locked between two steel edge members providing a superior watertight sealing system. The rugged design of the WaboStripSeal system can easily accommodate the high loads of vehicular traffic while effectively sealing expansion joints in bridges and structures with movements up to five inches. WaboStripSeal systems can be manufactured to accommodate a variety of field configurations along with multidirectional movements. The WaboStripSeal has been engineered so that the neoprene seal can be inserted either prior to or after the securing of the steel shapes to the superstructure. Machined Steel shapes maximize seal installability and minimize manufacturing tolerance associated with overall Steel shape manufacture.

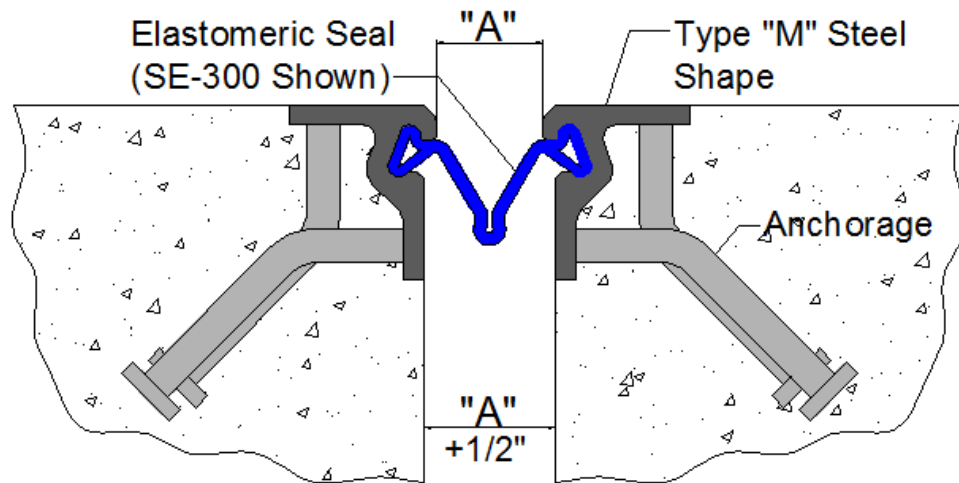
RECOMMENDED FOR:

- Sealing joints on bridges and parking decks
- Skewed joints
- High impact and repetitive loading conditions
- Expansion joint applications with a maximum movement of 5 inches
- New construction or repair and maintenance of existing expansion joint systems

PACKAGING/COVERAGE:

- Steel extrusions are shipped in standard 20 foot lengths. Other lengths available, contact WBA for details.
- Rubber seals are cut to length and shipped on pallets per limitations of shipping methods
- Wabo®PrimaLub – 1 gal container
 - Coverage = lineal ft x 0.00361

TECHNICAL DATA:



Movement Table

Model Number	Movement Range "A"						Min. Install Width	
	Min.		Max.		Total			
	in	mm	in	mm	in	mm	in	mm
SE-300	0.00	0	3.00	76	3.00	76	1.50	38
SE-400	0.00	0	4.00	102	4.00	102	1.50	38
SE-500	0.00	0	5.00	127	5.00	127	2.00	51
EFE-400	0.50	13	4.50	114	4.00	102	2.00	51
SE-800	0.50	13	8.50	216	8.00	203	3.00	50

Consult your WBA Representative for factory molded horizontal changes, severe skews or joint intersections.

Elastomeric Gland

The WaboStripSeal system utilizes two standard glands; SE and EFE series. The elastomeric gland of the WaboStripSeal system can handle movements up to 5 inches (127mm). Several sizes of the elastomeric gland offer solutions to a wide range of field applications. The elastomeric glands can be factory molded for horizontal changes, severe skew, or joint intersections. All glands are produced from neoprene rubber.



SE Series



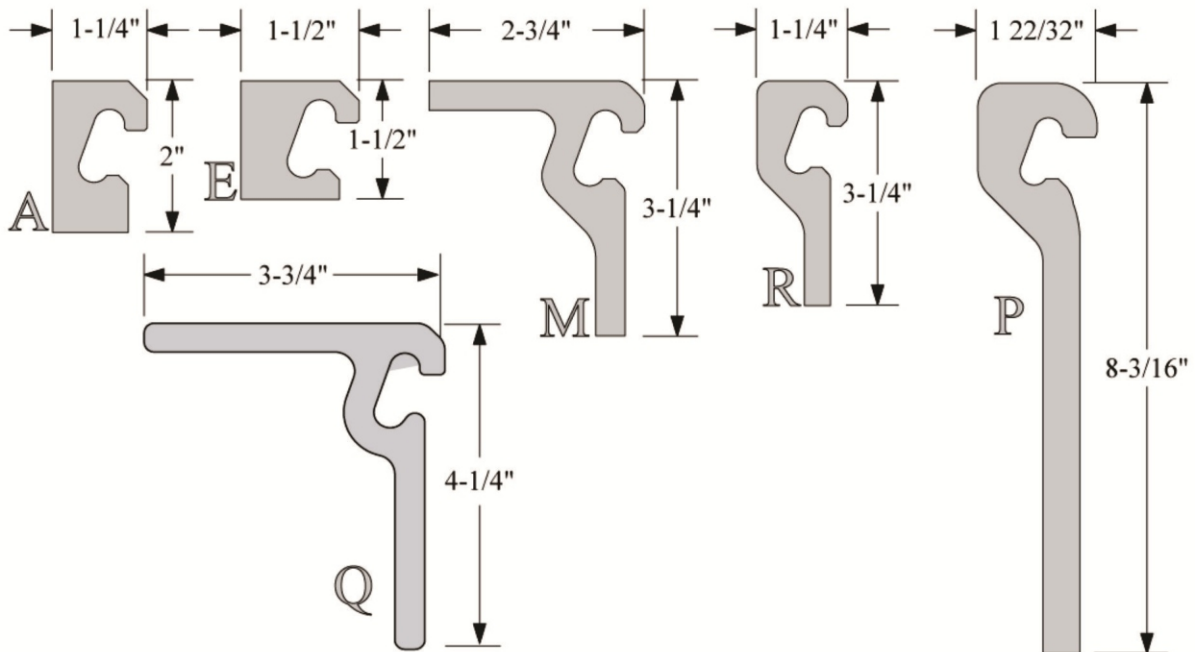
EFE Series





Steel Edge Members

The WaboStripSeal system incorporates the use of six standard profile configurations. See details for profile configurations. All steel edge members are machined from ASTM A588 or A36 grade steel. Available in coated or uncoated finishes. Customers need to specify options when ordering.



Physical Properties (Elastomeric Gland)

PHYSICAL PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Tensile Strength, min	D 412	2,000 psi (13.8 Mpa)
Elongation at Break, min	D 412	250%
Hardness, Shore A	D 2240	60 +/- 5
Oven Aging, 70 hrs. @		
Tensile, max loss	D 573	20%
Elongation, max loss		20%
Change in Hardness		0 to 10 pts.
Oil Swell, 70 hrs. @212°F(100°C)	D 471	
Weight Change, max		45%
Ozone Resistance	D 1149	no cracks
70 hrs. @104°F(40°C)		
Low Temperature Stiffening	D 2240	0 to +15



Installation Summary:

- If the system is to be installed in sections, special care should be taken to the field weld details on shop drawings.
- The WaboStripSeal joint system is lifted and lowered into final position. The steel edge members are suspended into the blockout utilizing adjustable leveling devices.
- Before securing or casting the system to the structure, the joint opening of the system should be adjusted to the proper ambient temperature.
- Complete all bolted or welded connections to the superstructure. When casting the joint into the structure, proper compaction of concrete around the system is required.
- The neoprene elastomeric gland should be field installed in continuous lengths spanning the entire roadway width. WaboPrimaLub adhesive is brushed into the full perimeter of the gland cavity on the steel edge member prior to actual gland installation.
- Clean all excess adhesive from the edges of the joint opening and from the top of the seal as soon as possible.

Options/Equipment:

- Elastomeric gland installation tool, contact WBA for details.
- Certified welder to be utilized for field welding of sections.

For Best Results:

- Install when concrete substrate is clean, sound, dry, and cured (14 day minimum).
- Do not install if the joint's anticipated movement will exceed the system's movement range.
- Protect the work area with appropriate plastic sheeting.
- Minimize splice points by installing seals in longest possible continuous lengths.
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50°F and 90°F.
- Shelf life of chemical components is 1 year.
- Periodically inspect the applied material 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.
- 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.

Related Documents:

- Material Safety Data Sheets
- WaboStripSeal Specification
- WaboStripSeal Sales Drawings
- WaboStripSeal Installation Procedure

For further information, Contact :



PT. MAGDATAMA MULTI USAHA

Plaza Ciputat mas Blok C Kav. A & B, Jl. Ir. H. Juanda No 5A, Ciputat 15412, Tangerang
Phone: 62 - 21 - 742 3029, email: sales@magdatama.com

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