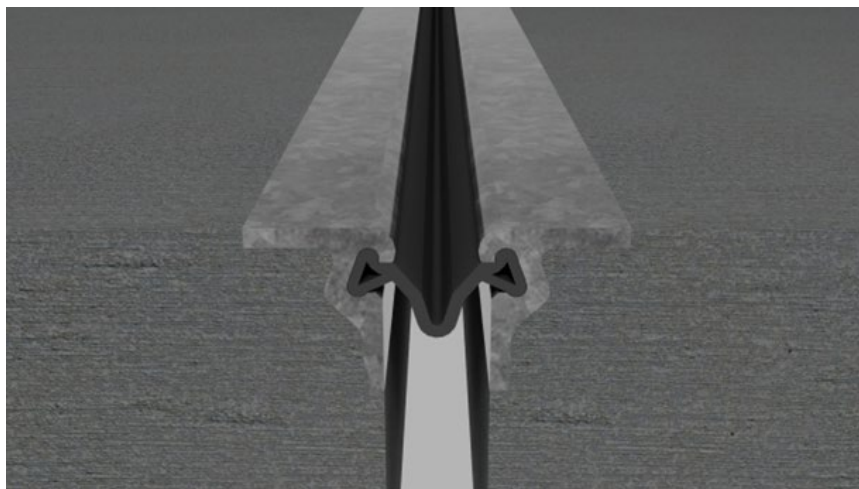


Installation Procedure

Last Updated: February 2026



Wabo® StripSeal Joint System

Armored Small Movement Expansion Joint System for Bridge & Highway Applications

The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of the expansion joint system the following actions must be completed by the installing contractor. **Failure to do so will affect product warranty.**

- 1) Carefully read and understand installation procedure. Contact WBA's Technical Service Department at (800) 677-4922 for product assistance.
- 2) Inspect all shipments and materials for missing or damaged components and hardware. Contact Customer Service at (800) 677-4922 with WBA's order number and invoice for prompt assistance.
- 3) Inspect substrate or adjacent construction, for acceptance before beginning work. Report unacceptable construction to the project manager for scheduled repair work.
- 4) Review WBA shop drawings for project specific detailed information if Engineering services were purchased at time of order

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Health & Safety

During the installation of any Watson Bowman Acme product, appropriate personal protective items should be worn at all times, including but not limited to the following:

- Proper work clothing
- Safety glasses
- Safety boots
- Gloves
- Hard hat



Local rules and regulations regarding safe work environments and health should be followed.

Standard Component

The following components are required for the installation of this product:

- Steel Edge Members
- Elastomeric Gland
- Prima Lub

Recommended Equipment

This product requires the following additional equipment for an easy and successful installation:

- Elastomeric Gland Installation Tool
- Welder
- Leveling Devices

Pre-Installation Notes

General Notes

- Review shop drawings and specification requirements prior to beginning installation of Wabo®StripSeal joint system.
- Using the leveling devices (shipped with the system) set the joint opening width and adjust for grade, correspond to the dimensions as shown on the shop drawings.

Form work should be placed prior to concrete installation. Care should be taken to prevent concrete from penetrating seal cavities.

Field Preparation Casting In Place



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- The joint interface must be clean, sound, and durable (free of dirt, coatings, rust, grease, oil, and other contaminants).
- Newly placed concrete must be cured a minimum of 14 days.
- Any spalling or cracking concrete must be removed to sound concrete and repaired prior to installation of Wabo®StripSeal joint system.
- Prepare blockouts to proper dimensions and grades per the shop drawings.
- The joint opening must be blown clean using compressed air (>90psi).
- The bottom surface of the blockout shall be parallel with the plane of the roadway (true and flat).
- Form work should be placed prior to concrete installation. Care should be taken to prevent concrete from penetrating seal cavities.

Steel Extrusion Field Welding

- All steel extrusion come in a maximum 20 foot length. For any joint longer than 20 feet welding will be required unless otherwise stated in drawings.
- If the system is to be installed in stages, the manufacturer will ship the joint according to the drawings with the appropriate ends beveled for field welding.

Final Joint Placement

- Properly place formwork ensuring that header material does not enter the lug cavities of the joint extrusion.
- When casting the joint system into the structure, care should be taken so that proper compaction of header material around the system is achieved.
- Leveling devices on top of the joint are used for setting joint opening and leveling to grade. Levels shall remain in place until header material is fully cured.
- After joint is cast in place and material takes its initial set, loosen the leveling devices to allow joint to move and function till casting material fully cures.
- Once header material is fully cured, remove formwork, leveling devices and hardware associated with the leveling devices, then grid flush.
- Special Note for Stage Construction”
 - After the first joint section is installed and header material is placed, the adjacent joint extrusion is field welded.
 - Refer to the manufacturer’s shop drawing for the filed welding details.

Seal Installation



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(Applies to seal models – SE, ES, EFE)

- Inspect joint cavities for any debris or header material and remove. (FIGURE 1)
- For best results seals should be installed in continuous lengths spanning the entire roadway.
- Roll out seal along joint line. Seal is marked Top (FIGURE 1)
- Apply Wabo®PrimaLub to the lug cavity with a paint brush. (FIGURE 1)
- Fold the seal and place in joint opening allowing the lug to seed into the extrusion cavity (working in 5 foot increments) (FIGURE 2)
 - If Wabo®PrimaLub cures before seal is installed (color changes from gray to tan) ,additional Wabo®PrimaLub should be applied
 - Using the Wabo®PrimaLub apply to the top of the seal lug
 - Using installation tool pry lug into extrusion cavity. (FIGURE 3 & 4)
 - Clean up any excess Wabo®PrimaLub

