

# Installation Procedure

Last Updated: March 2019



## Wabo®SafetyFlex

The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of 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.

Information provided herein, including but not limited to, any drawing, design, photograph, graphic, or statement(s) ("Materials") are proprietary and the property of Watson Bowman Acme Corp. ("Company"). Reproduction, translation, or reduction to any electronic medium or machine readable form, in whole or part, is strictly prohibited, except for the express purpose for which it has been furnished, without prior written consent of Company. All Materials contained herein are provided by Company for information purposes only. Company reserves the right to amend or withdraw any information contained in the Materials without notice. All technical or other advice by Company, whether verbal or written, concerning products, or the use of products in specific situations ("Advice") is given by Company and is used at the User's own risk.

# 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:

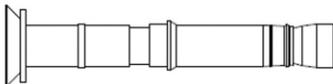
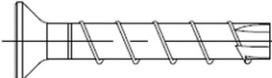
- Proper work clothing
- Safety glasses
- Safety boots
- Gloves
- Hard hat



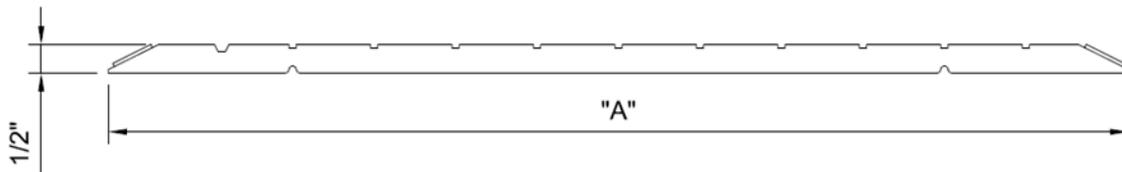
Local rules and regulations regarding safe work environments and health should be followed.

# Product Components

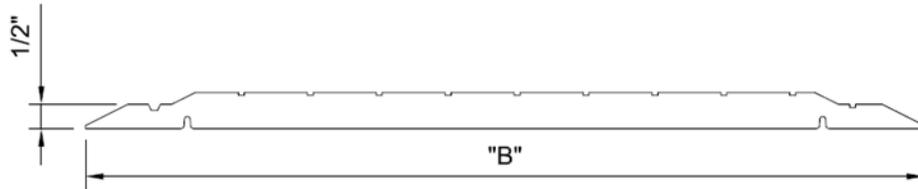
The following components are required for the installation of this product:

 1/4" x 3 7/8" Lg Hilti HSL-3 SK 8/20 H.D. Concrete Anchor (P/N #5717) <u>* California KIts Only *</u>	Or	 T-50 Torx $\frac{3}{8}$ " Drive Bit Socket <u>**BY OTHERS**</u> <u>(Not Included)</u>	 10mm x 70mm Lg. Hilti HUS3-C H.D. Concrete Screw (P/N #7801) <u>Standard Hardware</u>
		And	 10mm Drill Bit (P/N #7805) <u>Standard Hardware</u>

Components below vary in size depending on model of system:

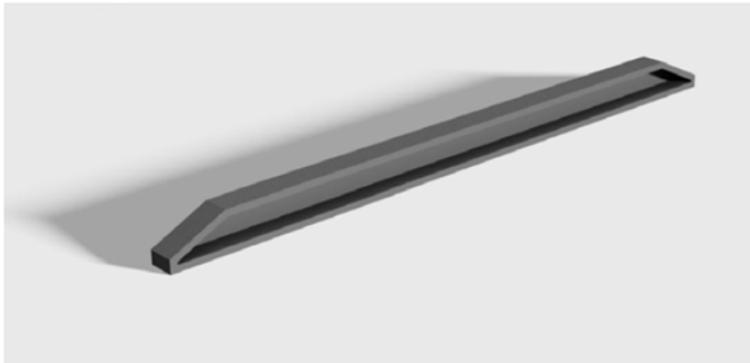


Model #	P/N	"A" dim.	Model #	P/N	"A" dim.
SFP-600 - Black	19960	12"	SFP-600 - Grey	19961	12"
SFP-1000 - Black	19954	18"	SFP-1000 - Grey	19955	18"



Model #	P/N	"B" dim.
SFP-1200 - Black	19980	17 1/2"
SFP-1800 - Black	19970	23 1/2"
SFP-2400 - Black	19990	29 3/4"
SFP-3100 - Black	19940	36 3/4"

Model #	P/N	"B" dim.
SFP-1200 - Grey	19981	17 1/2"
SFP-1800 - Grey	19971	23 1/2"
SFP-2400 - Grey	19991	29 3/4"
SFP-3100 - Grey	19941	36 3/4"



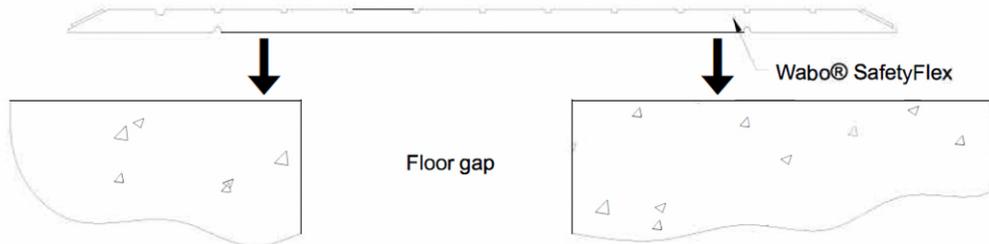
Model #	P/N
SFP-600 - Black	19962
SFP-1000 - Black	19957
SFP-1200 - Black	19982
SFP-1800 - Black	19972
SFP-2400 - Black	19992
SFP-3100 - Black	19942

SafetyFlex End Cap  
(Refer to Chart for P/N)

Model #	P/N
SFP-600 - Grey	19963
SFP-1000 - Grey	19958
SFP-1200 - Grey	19983
SFP-1800 - Grey	19973
SFP-2400 - Grey	19993
SFP-3100 - Grey	19943

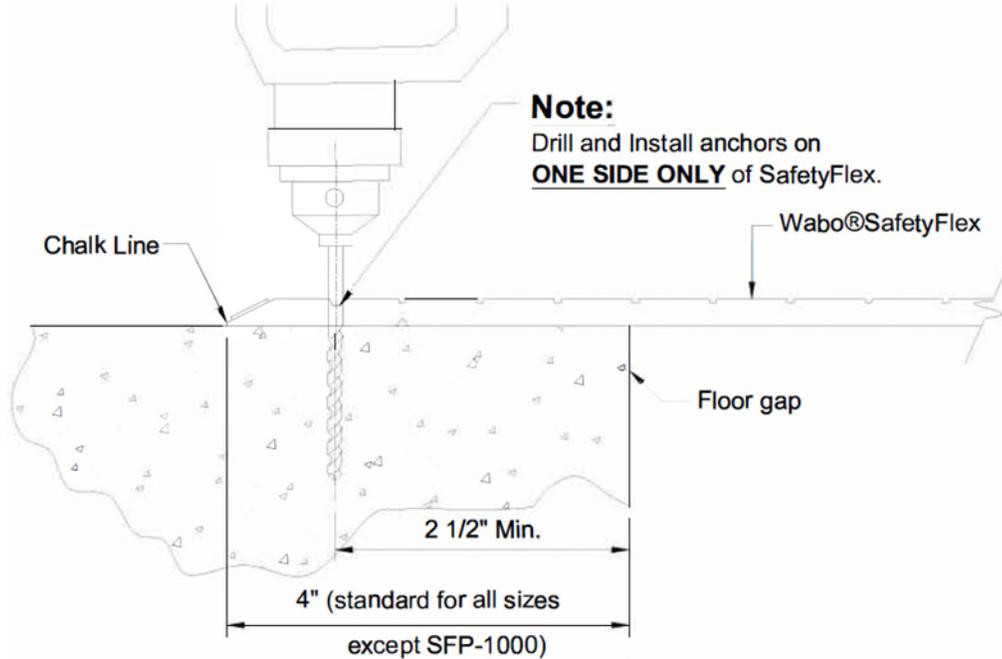
## Installation

- 1 Make sure the floor is level. High spots should be ground down and low spots filled in. If not able to level out joint opening, fasten Wabo® SafetyFlex along high side of the opening. If installing more than one piece, lay out entire run to ensure proper alignment. If a section of Wabo® SafetyFlex has been cut, apply a bead of sealant along the cut edge of Wabo® SafetyFlex to help prevent the steel insert from rusting.

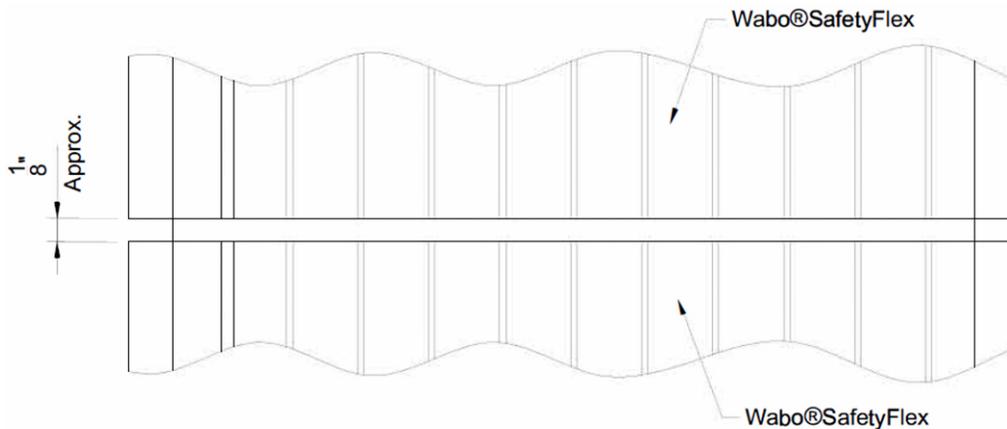


- 2** Drill end holes first. This ensures the expansion joint will not move and alignment with other joints is obtained. Follow anchor manufacturer's recommendations for drilling operation. Drill Ø10mm holes to proper depth and clean out holes.

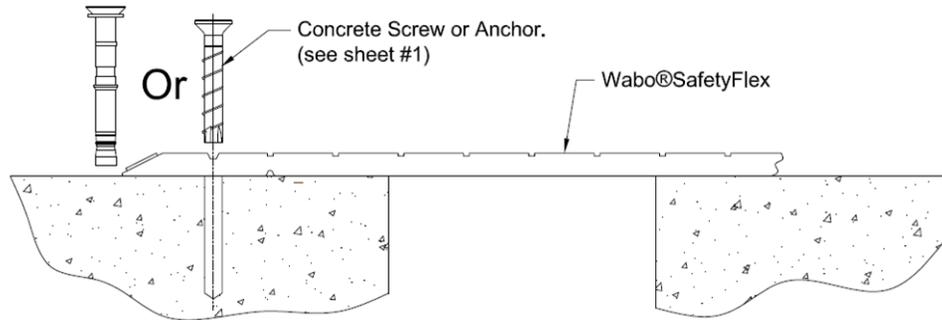
**Notes: Refer to Hilti's website for manufacturer's recommendations for fastening**



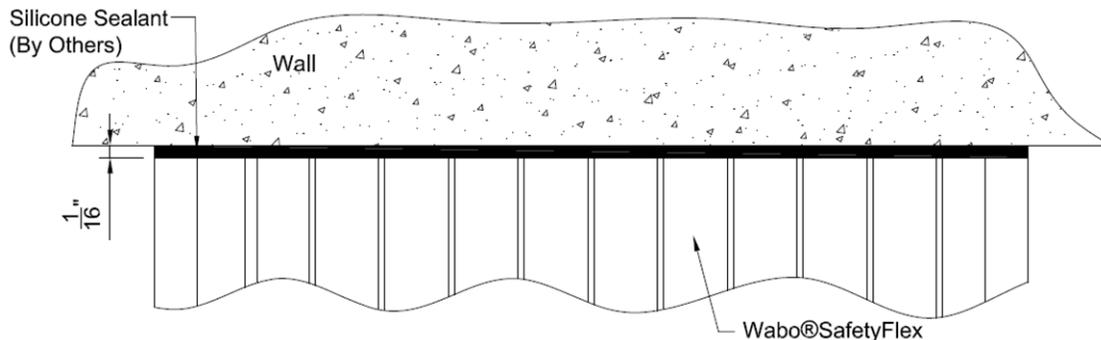
- 3** To allow for thermal expansion of the EPDM Rubber cover, leave a 1/8" approximate gap between Wabo@SafetyFlex sections.



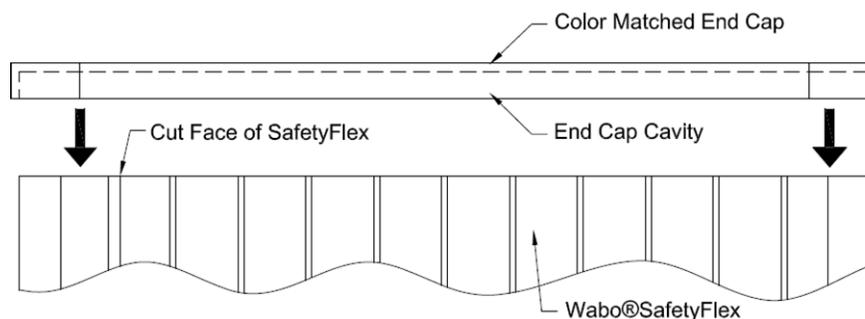
- 4** Follow anchor manufacturer's recommendations for proper anchor installation. Once anchors are in the end holes, drill remaining holes 16" O.C. and install anchors. Slight compression of EPDM cover will occur when threaded concrete anchor is tightened down.



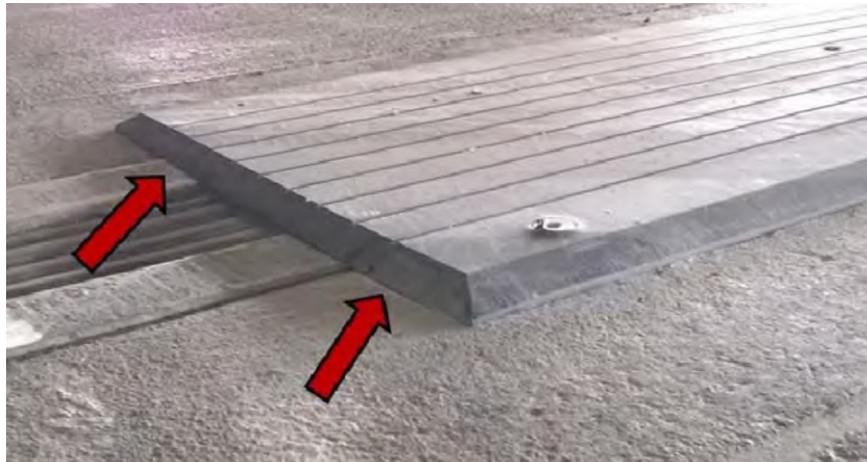
- 5A** For a wall termination, use a Heavy Duty saw (Worm Gear type recommended) with cutting blade for Steel to cut Wabo@SafetyFlex. Leave about a 1/16" gap between Wabo@SafetyFlex and the wall. Fill in the 1/16" gap with a bead of silicone sealant (By Others).



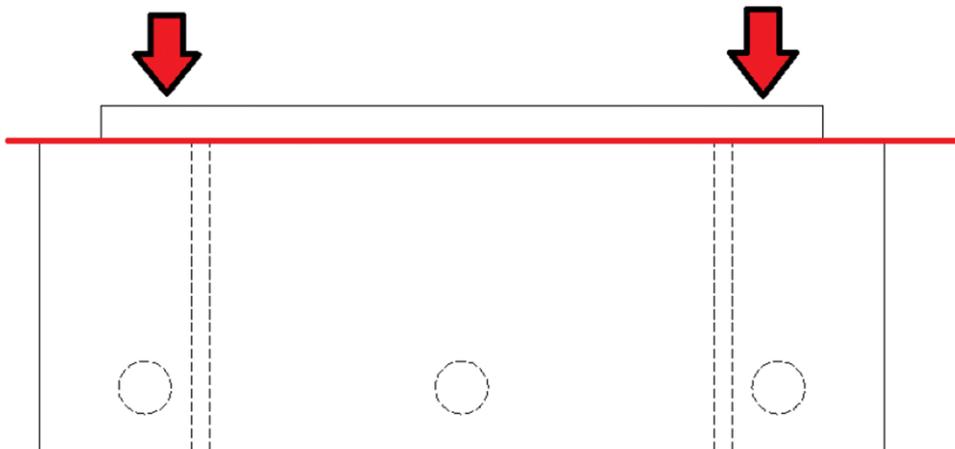
- 5B** **For End Cap use (Optional)** – Apply a bead of clear silicone (By Others) in the End Cap cavity and squeeze the end cap onto the cut face of the Wabo@SafetyFlex.



**6** **Finished Edges** – Every Wabo®SafetyFlex coverplate comes with a “tongue” on one end and a “groove” on the other. The steps for having a “finished edge” (as shown below) are as follows.



**7** **Finished Edges** – Using a sliding compound miter / tile saw, cut off the tongue end (area shown above red line) at required bevel angle. Lubricate if necessary. End result should be as shown in the photo in step 6, above.



*Watson Bowman Acme is your Strongest Partner for Expansion Joint Systems & Responsible Solutions.  
Follow us on social media for industry news, new product announcements & more:*

