

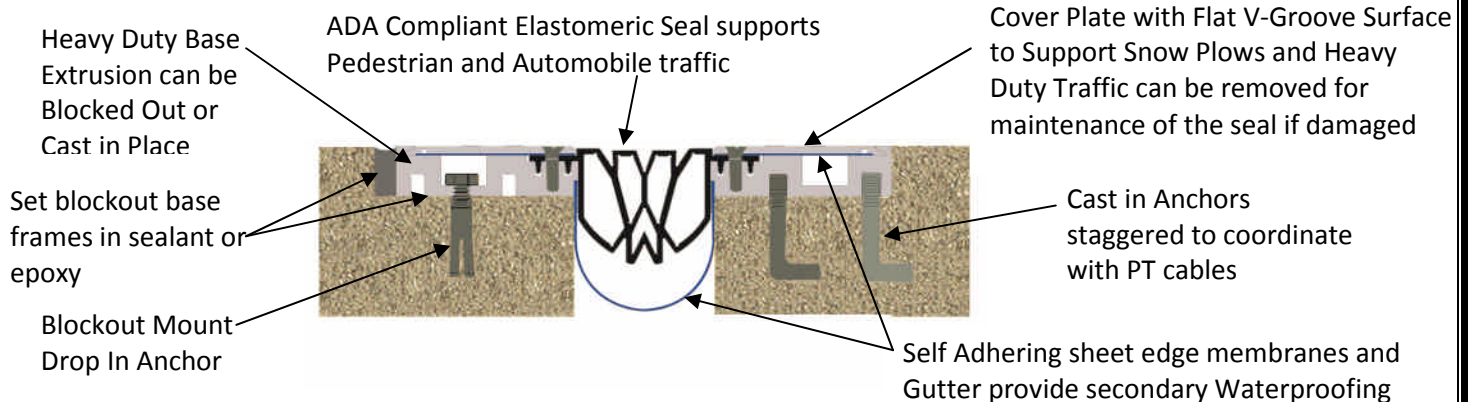


Architectural Art Mfg.
A division of Pittcon Architectural Metals, LLC

TECH DATA SHEET

WHB Series

Heavy Duty and Snow Plow Parking Joint Cover System



DESCRIPTION:

The WHB Series is designed for 3" (75mm) -4" (100mm) joint openings. The WHB can accommodate parking deck loading and vertical displacement of plus or minus 1/2". The Heavy Duty extruded aluminum base frame and cover is designed to support Snow Plows by providing a smooth cover V-Groove connection that allows the plow blades to glide over the surface of the system without snagging the plates or elastomeric seal. The WHB system can be installed in a blockout application or a cast in place application. Self adhering sheets prevent water from migrating around mechanical connections of aluminum and elastomeric extrusions. Flexible waterproof sealant like NP1 from Sonneborn or Sikaflex® should be added at blockout base and edges to prevent water from migrating between the edge of the aluminum and the concrete blockout.

TYPICAL APPLICATIONS:

The WHB system is designed to be used in car parking structures typically at upper decks where Snow Plows are commonly used. The WHB system is suitable for Forklift applications common to Convention Centers and Warehouses as well. Installations are suitable for Cast in Place Concrete and Concrete Blockouts.

FEATURES:

- ADA Compliant elastomeric seal allows thermal joint movement and vertical displacement of 1/2".
- Snow Plow load carrying capability with smooth V-Groove edge connections.
- Heavy duty base frames for cast in or blockout Installations.
- Waterproofing – Self Adhering sheet membranes provide additional protection at mechanical connections.
- Cast In design – Ideal for Post Tension deck construction and poured in place concrete applications.

PACKAGING:

- Expansion joint aluminum components are shipped in standard 10' (3.05 meter) lengths.
- All materials and components are packaged in manufacturer's standard packaging.
- Elastomeric seals shipped in continuous lengths.

PHYSICAL PROPERTIES:

- **Aluminum Extrusions:** Conform to ASTM B221, for alloys 6061-T6, Exposed Finish: Mill.
- **Elastomeric Seal:** Conform to ASTM D412 Santoprene 591-65A



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WHB SERIES

Tech Data Sheet - Continued

SELECTION GUIDE:

WHB SERIES - SELECTION GUIDE										
DESIGNATION	JOINT OPENING						TOTAL MOVEMENT		OVERALL NOM WIDTH	
	MINIMUM		NOMINAL		MAXIMUM					
W30-HB-SA	1.5	38	3.0	75	4.0	100	2.5	63	11.0	280
W40-HB-SA	2.0	51	4.0	102	5.75	146	3.75	95	12.0	305

Bold numbers are in inches. Others are millimeters

INSTALLATION:

- 1) Attach self adhering gutter to aluminum base frame
- 2) Cast In - Attach edge frames to concrete forms being careful to keep the joint size to specifications.
- 3) Block Out – Apply sealant or epoxy to blockout base then place base frames in blockouts.
- 4) Install Tabs on elastomeric seal into slots in aluminum base frames.
- 5) Apply Self Adhering edge membrane strips over aluminum base frame and over elastomeric seal.
- 6) Slide Aluminum surface cover into the V-Grooved edge of the base frame and secure with screws provided.
- 7) Refer to the WHB installation guidelines for detailed step-by-step instructions.

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