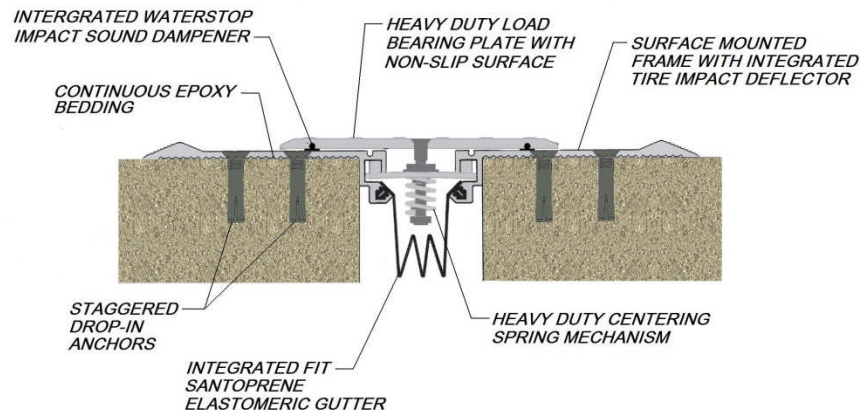


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TECH DATA SHEET

WSM Series

Surface Mount Seismic Parking Joint Cover System



DESCRIPTION:

The WSM Series is designed for joint openings 4" (100mm) and wider, without concrete edge blockouts. The WSM can accommodate parking deck loading and multidirectional seismic movement. The surface mounted aluminum base frames are designed with an integral tire impact deflector and the heavy duty, load bearing slide plate features a non-slip surface finish and integrated impact sound dampeners. The heavy duty centering spring mechanism allows the slide plate to displace and return to its natural position after a seismic occurrence. The integrated impact and sound dampener also acts as a waterstop. The integrated-fit Santoprene elastomeric gutter and continuous epoxy bedding enhance the system's waterproofing capability.

TYPICAL APPLICATIONS:

The W-SM is designed to be used in car park structures requiring seismic movement capabilities in joints without concrete edge blockouts.

FEATURES:

- Heavy duty centering spring mechanism designed to allow multi-directional seismic movement.
- AASHTO HS-20 load carrying capability.
- Heavy duty base frames with integral tire impact deflectors.
- Waterproofing – Integrated-fit Santoprene elastomeric gutter and integrated waterstop impact sound dampener.
- Surface Mount design – Ideal for existing decks without concrete edge blockouts.

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.

PHYSICAL PROPERTIES:

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



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WSM SERIES

Tech Data Sheet - Continued

SELECTION GUIDE:

WSM SERIES - SELECTION GUIDE										
DESIGNATION	JOINT OPENING						TOTAL MOVEMENT		SLIDE PLATE WIDTH	
	MINIMUM		NOMINAL		MAXIMUM					
W40-SM-AL	2.0	51	4.0	102	6.0	152	4.0	102	9.0	229
W60-SM-AL	3.0	76	6.0	152	9.0	229	6.0	152	12.0	305
W80-SM-AL	4.0	102	8.0	203	12.0	305	8.0	203	12.0	305
W100-SM-AL	5.0	127	10.0	254	15.0	381	10.0	254	17.0	432
W120-SM-AL	6.0	152	12.0	305	18.0	457	12.0	305	17.0	432

Bold numbers are in inches. Others are millimeters

INSTALLATION:

- 1) Remove and repair all unsound concrete in and around the joint opening. All spalls must be repaired with compatible patching material.
- 2) Install Integrated-fit Santoprene elastomeric gutter into aluminum base frames.
- 3) Apply epoxy bedding compound (Epoxy or NP-1 or Sikaflex-1a Sealant or equal).
- 4) Install base frames with (staggered) anchors supplied.
- 5) Install seismic centering spring mechanisms at specified spacing.
- 6) Install slide plate with impact dampeners.
- 7) Refer to the WSM installation guidelines for detailed step-by-step instructions.

Limited Warranty

Architectural Art Mfg., a division of Pittcon Architectural Metals, LLC, warrants to its purchaser that all its products will be free of material or manufacturing defects for one (1) year. Extended warranties may be included as required and agreed to by Pittcon Architectural Metals, LLC. Any claim brought to the attention of Architectural Art Mfg., a division of Pittcon Architectural Metals, LLC, by the customer in writing; within one year of substantial completion will be examined.

If the product has failed under the terms of the warranty, it will be replaced or repaired free of charge. Architectural Art Mfg., a division of Pittcon Architectural Metals, LLC, will not be responsible for installation costs involved in such replacement or repair, consequential or other damages of any nature. This is in lieu of all other warranties expressed or implied and is the sole warranty extended.

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