

SMP Series Expansion Joint

Series 1400 through 2400

(Slab-to-Slab)



50 MM WAY
PENDERGRASS, GA. 30567
706-824-7500 PHONE

www.mm.systems

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Surface Mount Seismic Cover Expansion Joint

SMP Series (1400-2400)/50% Movement

Drawn by:

LRM

Scale:

NTS

Drawing Number:

SHT. 1 OF 3

Issue Date:
06/10/2025






31200-02

SMP SERIES EXPANSION JOINT MOVEMENT CHART (1400-2400)

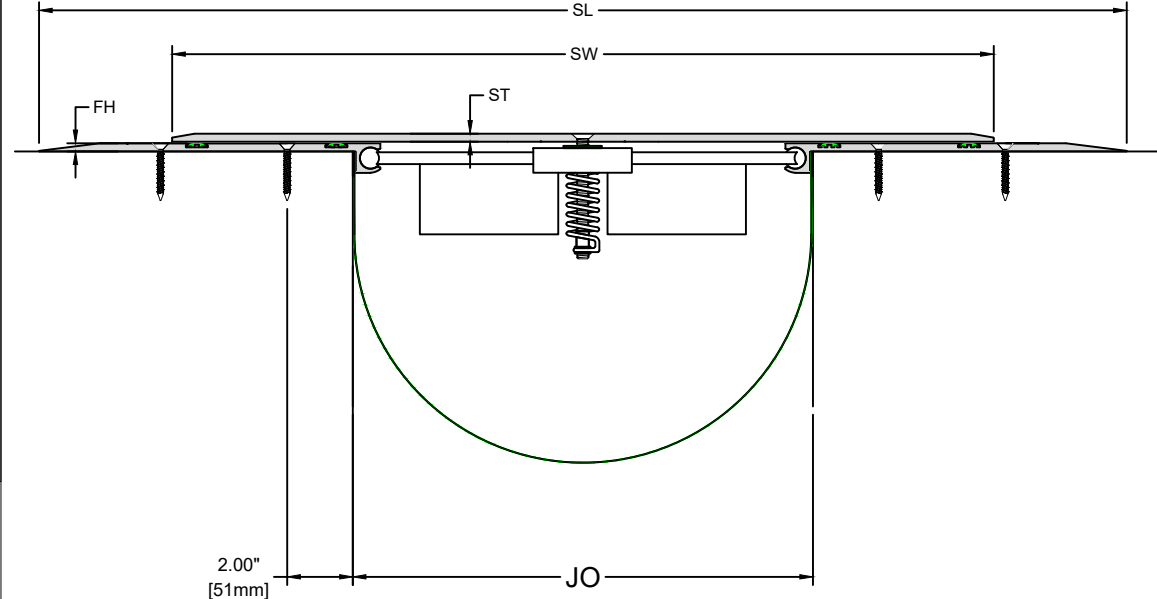
Model Number	Joint Opening (JO ^N)		Sight Line (SL ^N)		Thermal Movement (JO ^T)				Seismic Movement (JO ^S)				Total (JO ^A)		Slide Plate		Slide Plate Width	
	Nominal		Nominal		Minimum		Maximum		Minimum		Maximum		Movement		Thickness (ST)		(SW)	
SMP-1400	14.00	356	33.10	841	12.00	305	16.00	406	2.00	51	21.00	533	18.25	464	0.250	6	25.00	635
SMP-1600	16.00	406	35.10	892	14.00	356	18.00	457	2.00	51	24.00	610	21.25	540	0.250	6	28.00	711
SMP-1800	18.00	457	37.10	942	16.00	406	20.00	508	2.00	51	27.00	686	24.25	616	0.375	10	29.50	749
SMP-2000	20.00	508	39.10	993	18.00	457	22.00	559	2.00	51	30.00	762	27.25	692	0.375	10	31.00	787
SMP-2200	22.00	559	41.10	1044	20.00	508	24.00	610	2.00	51	33.00	838	30.25	768	0.375	10	34.00	864
SMP-2400	24.00	610	43.10	1095	22.00	559	26.00	660	2.00	51	36.00	914	33.25	845	0.375	10	37.00	940

Dimension shown in **inches** (bold) and millimeters. Refer to the SMP AutoCAD file for individual system drawings.

LOAD TABLE

	Passenger Cart
	Maintenance Cart
	Hand Truck
	Safe Walking Surface
	ADA Compliant

Note: The SMP loading capabilities shown above are based upon average vehicular and equipment weights, wheel types and sizes. For project-specific loading capabilities, contact MM Systems with technical data related to wheel type, contact area (footprint), distributed load per wheel, and speed of traffic.



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Surface Mount Seismic Cover Expansion Joint

SMP Series (1400-2400)/50% Movement

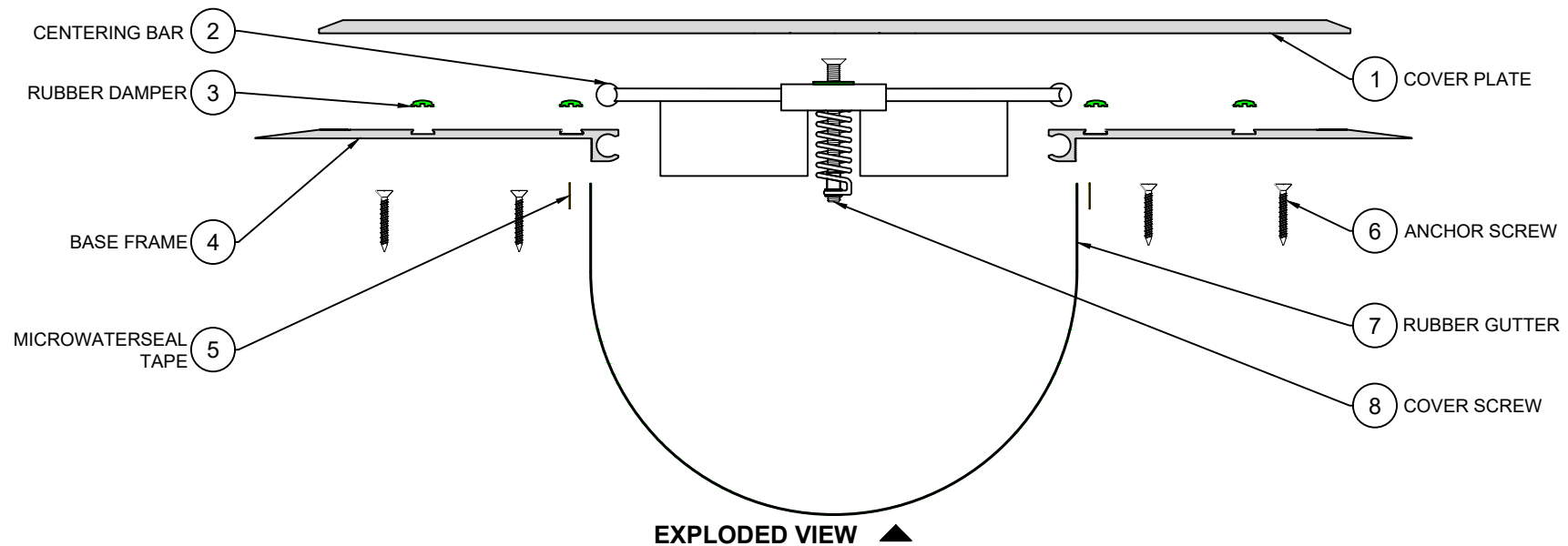
Drawn by: JPS	Scale: NTS	Drawing Number:
SHT. 2 OF 3	Issue Date: 09/06/2022	31200-02



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PART NUMBERS ▼

Locator	Part Component	SMP-1400	SMP-1600	SMP-1800	SMP-2000	SMP-2200	SMP-2400
1	Cover Plate	CPEC-AT-10-2500-00-24	CPEC-AT-10-2800-02-18	CPEC-AT-05-2908-02-12	CPEC-AT-05-3100-02-12	CPEC-AT-05-3400-02-12	CPEC-AT-05-3700-02-12
2	Centering Bar	ASSY-SCD-2400-S001-v2	ASSY-SCD-2600-S001-v2	ASSY-SCD-2800-S001-v2	ASSY-SCD-3300-S001-v2	ASSY-SCD-3600-S001-v2	ASSY-SCD-4100-S001-v2
3	Rubber Damper	8461-65	8461-65	8461-65	8461-65	8461-65	8461-65
4	Base Frame	ASSY-71397143-M-10-00-18	ASSY-71397143-M-10-00-18	ASSY-71387143-M-10-00-18	ASSY-71387143-M-10-00-18	ASSY-71387143-M-10-00-18	ASSY-71387143-M-10-00-18
5	Microwaterseal Tape	Microwaterseal60X3/4	Microwaterseal60X3/4	Microwaterseal60X3/4	Microwaterseal60X3/4	Microwaterseal60X3/4	Microwaterseal60X3/4
6	Anchor Screw	9377	9377	9377	9377	9377	9377
7	Rubber Gutter	9109-30	9109-30	9109-35	9109-35	9109-40	9109-40
8	Cover Screw	8325	8325	8325	8325	8325	8325



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SHT. 3 OF 3	Issue Date: 06/10/2025	31200-02