

SCF Series Expansion Joint
Sizes 150 through 600
 (Slab-to-Slab)

* PEDESTRIAN SLIDE PLATE THICKNESS DEPENDANT ON PROJECT SPECIFIC LOADING REQUIREMENTS. OPTIONAL STAINLESS STEEL SLIDE PLATE AVAILABLE UPON REQUEST. CONTACT MM SYSTEMS FOR ALTERNATE ATTACHMENT DESIGN FOR VEHICULAR TRAFFIC.

* PLEASE SEE SSF PRODUCT FAMILY FOR SPLIT SLAB FOAM EXPANSION JOINT SYSTEM LESS THAN 4" WITHOUT A COVER PLATE.



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

www.mm.systems

For Spec-Data, Install Guides, and other data visit www.mm.systems

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Split Slab Membrane with Cover Plate System

SCF Series (150-600)

Drawn by: LRM	Scale: NTS	Drawing Number:
SHT. 1 OF 3	Issue Date: 03/20/2025	10200-01

SCF SERIES EXPANSION JOINT MOVEMENT CHART

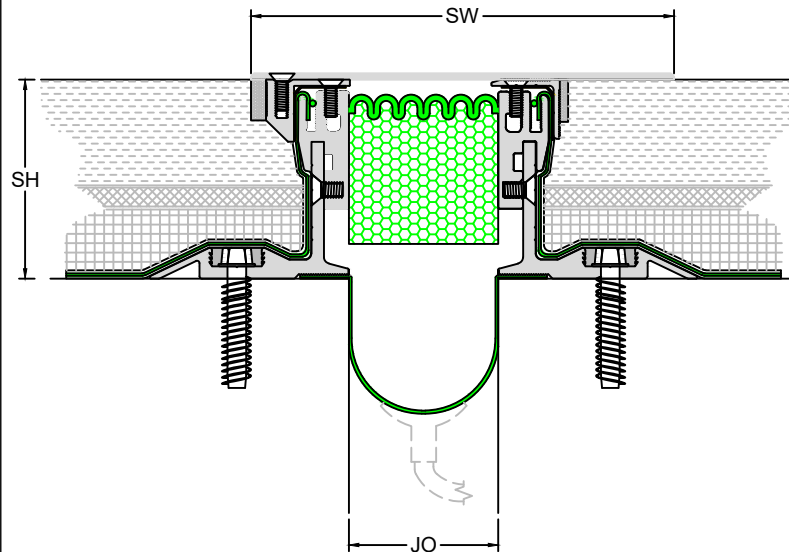
Model Number	Joint Opening (JO ^N)		Sight Line (SL ^N)		Thermal/Seismic Movement (JO ^T)				Total (JO ^A)	
	Nominal		Nominal		Minimum		Maximum		Movement	
SCF-150	1.50	38	7.50	191	0.75	19	2.25	57	1.50	38
SCF-200	2.00	51	8.00	203	1.00	25	3.00	76	2.00	51
SCF-300	3.00	76	9.00	229	1.50	38	4.50	114	3.00	76
SCF-400	4.00	102	10.00	254	2.00	51	6.00	152	4.00	102
SCF-500	5.00	127	11.00	280	2.50	64	7.50	191	5.00	127
SCF-600	6.00	152	12.50	318	3.00	76	9.00	229	6.00	152

Dimension shown in **inches** (bold) and millimeters. Refer to the SCF AutoCAD file for individual system drawings.
Please see SSF product family for split slab foam expansion joint system less than 4" without a cover plate.

LOAD TABLE

	ADA Compliant
	Safe Walking Surface
	Shopping Cart
	Maintenance Cart
	Extreme Weather

Note: The SCF loading capabilities shown above are based upon average 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.



Base Angle	System	
Size	Height (SH)	
4 x 2	3.25	83
4 x 2.25	3.5	89
4 x 2.5	3.75	95
4 x 2.75	4	102
4 x 3	4.25	108
4 x 3.25	4.5	114
4 x 3.5	4.75	121
4 x 3.75	5	127
4 x 4	5.25	133
4 x 4.25	5.5	140
4 x 4.5	5.75	146
4 x 4.75	6	152

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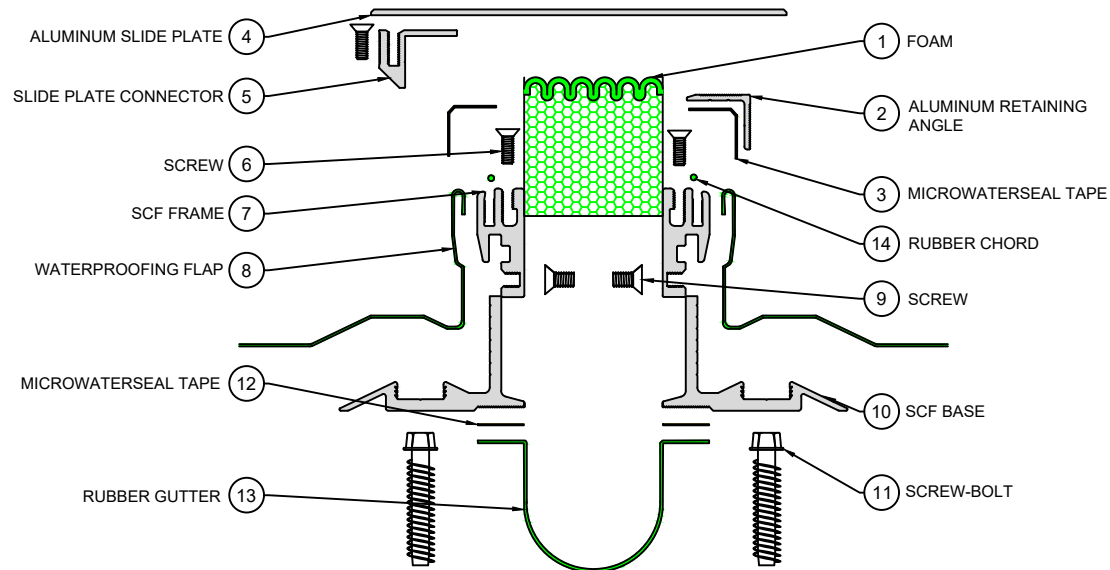
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EXPLODED VIEW ▲

PART NUMBERS ▼

Locator	Part Component	SCF-150	SCF-200	SCF-300	SCF-400	SCF-500	SCF-600
1	Self-Expanding Foam	8470-150	8470-200	8470-300	8470-400	8470-500	8470-600
2	Aluminum Retaining Angle	7025-M-10	7025-M-10	7025-M-10	7025-M-10	7025-M-10	7025-M-10
3	Microwaterseal Tape	Microwaterseal30X2	Microwaterseal30X2	Microwaterseal30X2	Microwaterseal30X2	Microwaterseal30X2	Microwaterseal30X2
4	Aluminum Slide Plate	CPCA-AM-10-0708-00-12	CPCA-AM-10-0708-00-12	CPMC-AM-10-0900-00-12	CPMC-AM-10-1000-00-12	CPMC-AM-10-1100-00-12	CPMC-AM-10-1208-00-12
5	Slide Plate Connector	8415-M-10	8415-M-10	8415-M-10	8415-M-10	8415-M-10	8415-M-10
6	Screw	9382	9382	9382	9382	9382	9382
7	SCF Frame	8436	8436	8436	8436	8436	8436
8	Waterproofing Flap	9118-12	9118-12	9118-12	9118-12	9118-12	9118-12
9	Screw	9348	9348	9348	9348	9348	9348
10	SCF Base	See Base Frame Chart	See Base Frame Chart	See Base Frame Chart	See Base Frame Chart	See Base Frame Chart	See Base Frame Chart
11	Screw-Bolt	7420	7420	7420	7420	7420	7420
12	Microwaterseal Tape	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1
13	Rubber Gutter	9109-12	9109-12	9109-12	9109-12	9109-12	9109-12
14	Rubber Chord	9457	9457	9457	9457	9457	9457

System Height	Base Frame
3.25"	7431#0200
3.50"	7431#0204
3.75"	7431#0208
4.00"	7431#0212
4.25"	7431#0300
4.50"	7431#0304
4.75"	7431#0308
5.00"	7431#0312
5.25"	7431#0400
5.50"	7431#0404
5.75"	7431#0408
6.00"	7431



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