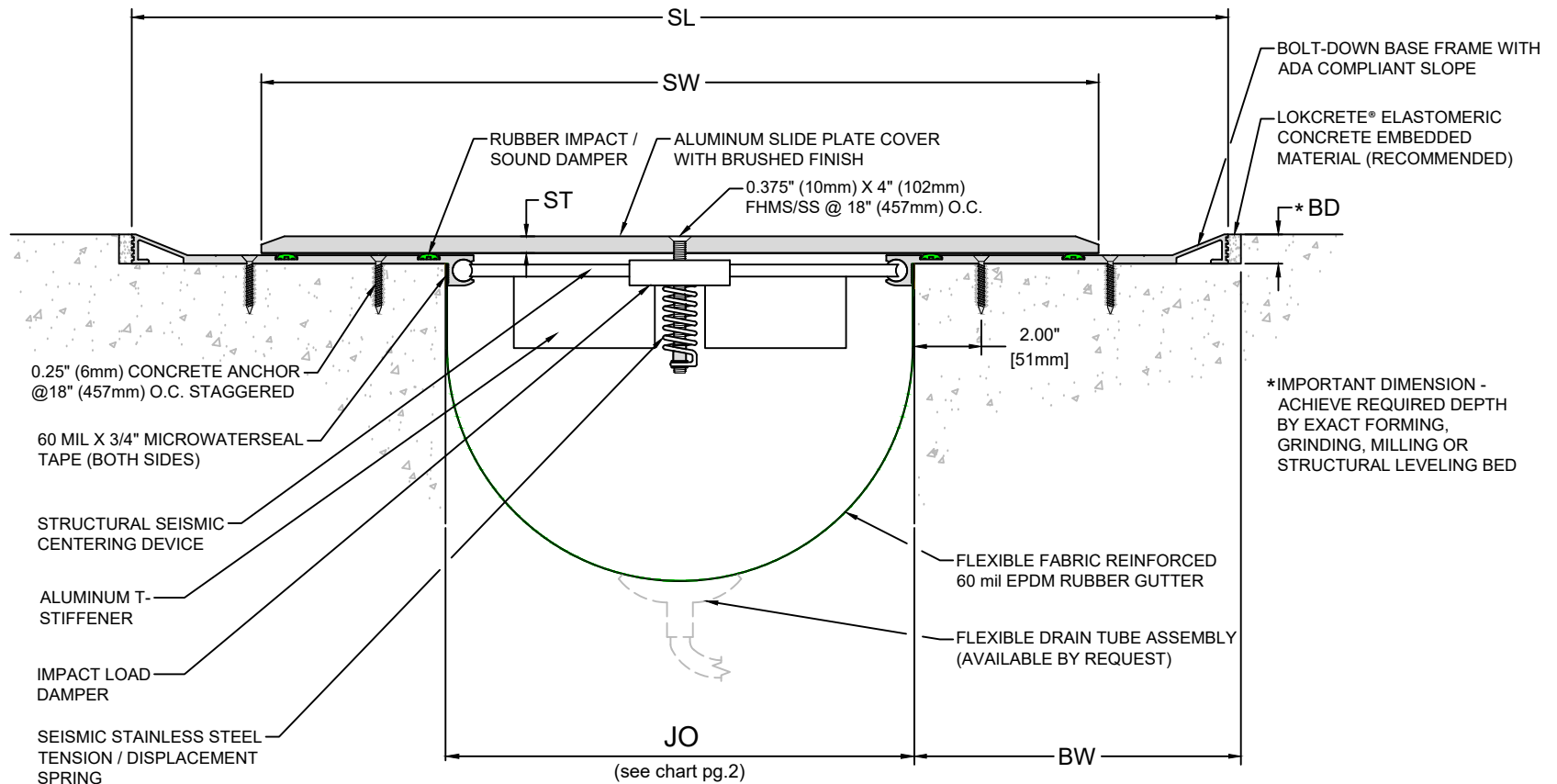




BIS Series Expansion Joint

Sizes 1400 through 2400 (Slab-to-Slab)



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

RIGHTS OF DESIGN

All rights of design, detail, engineering and/or invention contained herein are the property of MM Systems and hereby reserved and are not to be reproduced or provided to any other party. MM Systems reserves the right to amend or withdraw any information contained herein without notice and will not be liable for any inaccuracy or ambiguity of said information.

Bolt-In Seismic Expansion Joint

BIS Series (1400-2400) / 50% Movement

Drawn by:

JRC

Scale:

NTS

Drawing Number:

SHT. 1 OF 3

Issue Date:
12/21/23

30250-02A

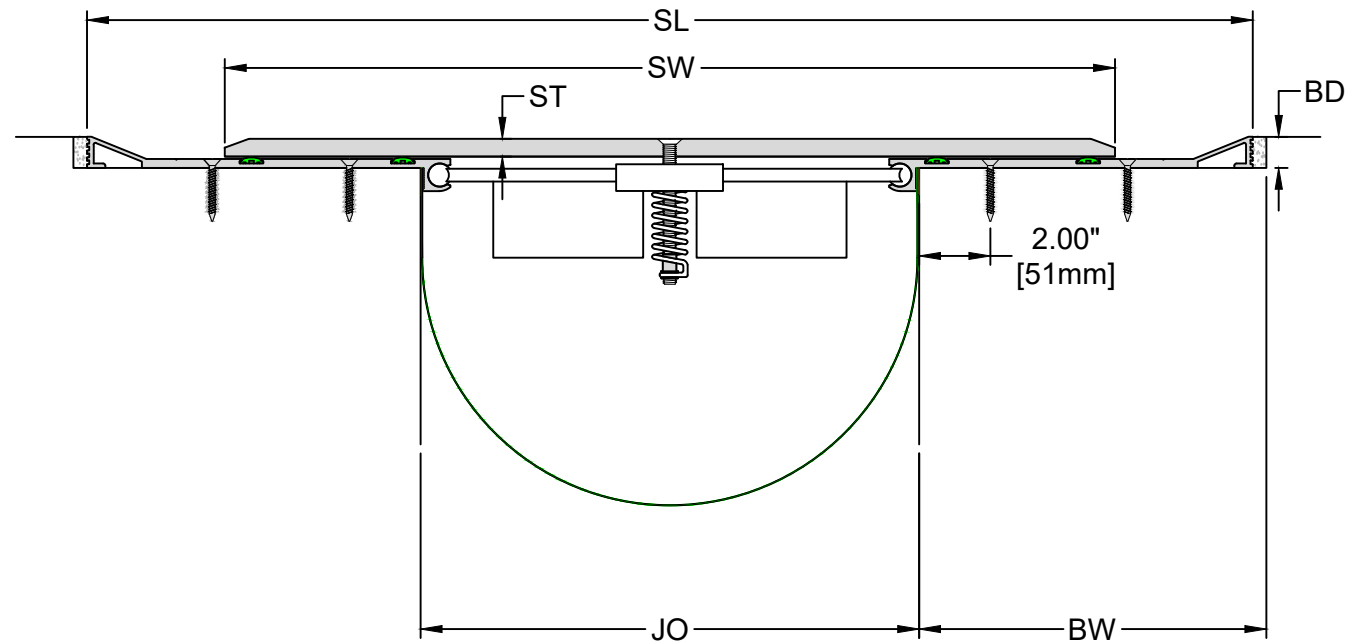
BIS SERIES EXPANSION JOINT MOVEMENT CHART (1400-2400) / 50% MOVEMENT

Model Number	Joint Opening (JO ^N)		Sight Line (SL ^N)		Thermal Movement (JO ^T)				Seismic Movement (JO ^S)				Total (JO ^A)		Slide Plate Thickness (ST)		Slide Plate Width (SW)		Blockout Width (BW)		Blockout Depth (BD)	
	Nominal		Nominal		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
BIS-1400	14.00	356	32.74	832	12.00	305	16.00	406	7.00	178	21.00	533	14.00	356	0.500	13	25.00	635	9.75	248	0.875	22
BIS-1600	16.00	406	34.74	882	14.00	356	18.00	457	8.00	203	24.00	610	16.00	406	0.500	13	28.00	711	9.75	248	0.875	22
BIS-1800	18.00	457	36.74	933	16.00	406	20.00	508	9.00	229	27.00	686	18.00	457	0.625	16	29.50	749	9.75	248	1.000	25
BIS-2000	20.00	508	38.74	984	18.00	457	22.00	559	10.00	254	30.00	762	20.00	508	0.625	16	31.00	787	9.75	248	1.000	25
BIS-2200	22.00	559	40.74	1035	20.00	508	24.00	610	11.00	280	33.00	838	22.00	559	0.625	16	34.00	864	9.75	248	1.000	25
BIS-2400	24.00	610	42.74	1086	22.00	559	26.00	660	12.00	305	36.00	914	24.00	610	0.625	16	37.00	940	9.75	248	1.000	25

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

LOAD TABLE	
	Auto (Low Speed)
	Maintenance Cart
	Bus (Low Speed)
	AASHTO HS20 (Low Speed)
	Safe Walking Surface

Note: The BIS 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.



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

RIGHTS OF DESIGN

All rights of design, detail, engineering and/or invention contained herein are the property of MM Systems and hereby reserved and are not to be reproduced or provided to any other party. MM Systems reserves the right to amend or withdraw any information contained herein without notice and will not be liable for any inaccuracy or ambiguity of said information.

Bolt-In Seismic Expansion Joint

BIS Series (1400-2400) / 50% Movement

Drawn by:

JRC

Scale:

NTS

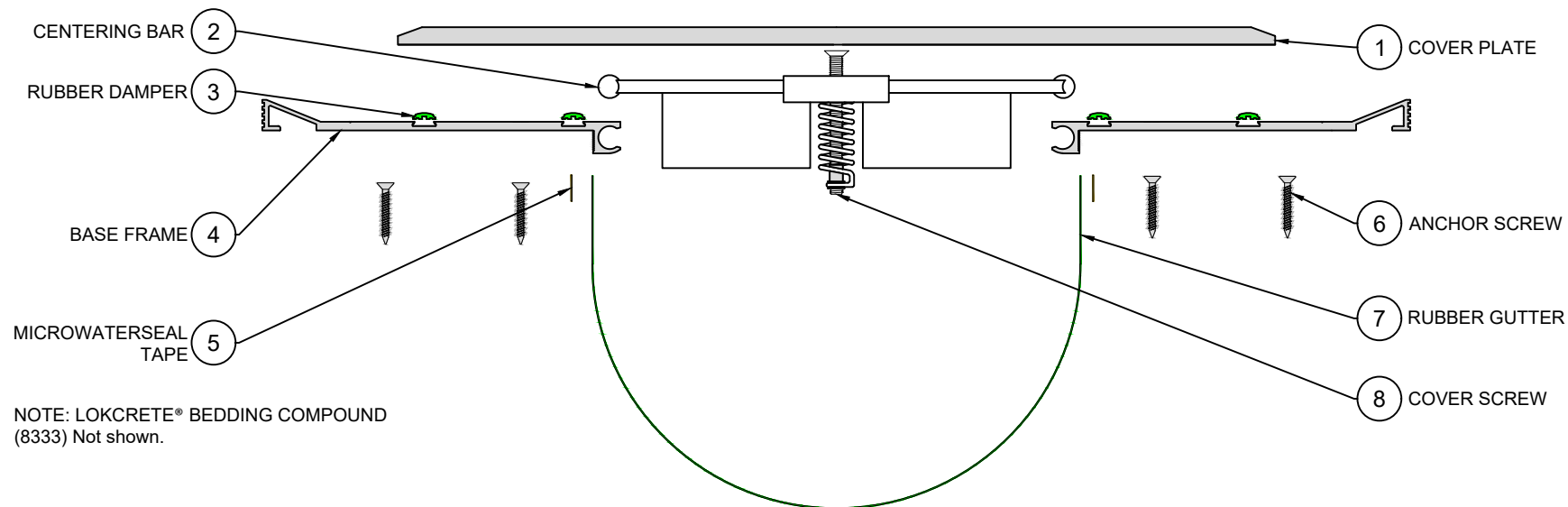
Drawing Number:

SHT. 2 OF 3

Issue Date:

12/21/23

30250-02A



EXPLODED VIEW ▲

PART NUMBERS ▼

Locator	Part Component	BIS-1400	BIS-1600	BIS-1800	BIS-2000	BIS-2200	BIS-2400
1	Cover Plate	CPEF-AT-10-2500-02-18	CPEF-AT-10-2800-02-18	CPEG-AT-05-2950-02-12	CPEG-AT-05-3100-02-12	CPEG-AT-05-3400-02-12	CPEG-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-71377140-M-10-00-18	ASSY-71377140-M-10-00-18	ASSY-71377140-M-10-00-18	ASSY-71377140-M-10-00-18	ASSY-71377140-M-10-00-18	ASSY-71377140-M-10-00-18
5	Microwaterseal Tape	Microwaterseal60X $\frac{3}{4}$	Microwaterseal60X $\frac{3}{4}$	Microwaterseal60X $\frac{3}{4}$	Microwaterseal60X $\frac{3}{4}$	Microwaterseal60X $\frac{3}{4}$	Microwaterseal60X $\frac{3}{4}$
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



MM[®]
SYSTEMS

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

RIGHTS OF DESIGN

All rights of design, detail, engineering and/or invention contained herein are the property of MM Systems and hereby reserved and are not to be reproduced or provided to any other party. MM Systems reserves the right to amend or withdraw any information contained herein without notice and will not be liable for any inaccuracy or ambiguity of said information.

Bolt-In Seismic Expansion Joint

BIS Series (1400-2400) / 50% Movement

Drawn by:

JRC

Scale:

NTS

Drawing Number:

SHT. 3 OF 3

Issue Date:

12/21/23

30250-02A