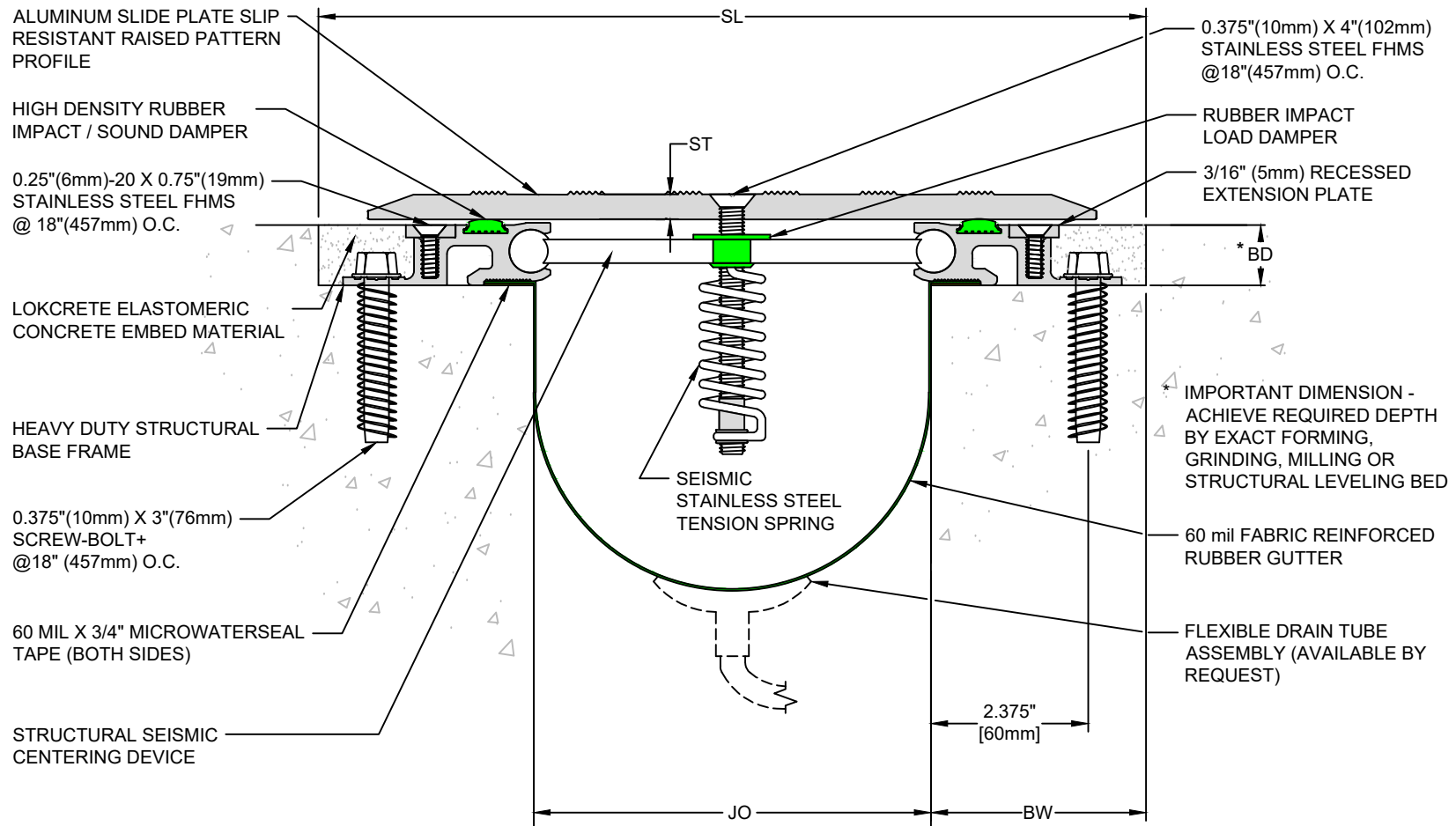




**STS Series Expansion Joint**  
**Sizes 200 through 1200**  
**(Slab-to-Slab)**



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

[www.mm.systems](http://www.mm.systems)

For Spec-Data, Install Guides, and other data visit [www.mm.systems](http://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.

#### Seismic Top-Mount Slide Plate STS Series (200-1200)

|                  |                           |                 |
|------------------|---------------------------|-----------------|
| Drawn by:<br>LRM | Scale:<br>NTS             | Drawing Number: |
| SHT. 1 OF 3      | Issue Date:<br>03/20/2025 | 31325-01        |

# STS SERIES EXPANSION JOINT MOVEMENT CHART (400-1200) / 50% MOVEMENT

| Model Number | Joint Opening (JO <sup>N</sup> ) |     | Sight Line (SL <sup>N</sup> ) |     | Thermal Movement (JO <sup>T</sup> ) |     |              |     | Seismic Movement (JO <sup>S</sup> ) |     |              |     | Total (JO <sup>A</sup> ) |     | Slide Plate Thickness (ST) |    | Slide Plate Width (SW) |     | Blockout Width (BW) |    | Blockout Depth (BD) |    |
|--------------|----------------------------------|-----|-------------------------------|-----|-------------------------------------|-----|--------------|-----|-------------------------------------|-----|--------------|-----|--------------------------|-----|----------------------------|----|------------------------|-----|---------------------|----|---------------------|----|
|              | Nominal                          |     | Nominal                       |     | Minimum                             |     | Maximum      |     | Minimum                             |     | Maximum      |     | Movement                 |     |                            |    |                        |     |                     |    |                     |    |
| STS-200      | <b>2.00</b>                      | 51  | <b>8.50</b>                   | 216 | <b>2.00</b>                         | 51  | <b>3.00</b>  | 76  | <b>2.00</b>                         | 51  | <b>3.00</b>  | 76  | <b>1.00</b>              | 25  | <b>0.250</b>               | 6  | <b>4.50</b>            | 114 | <b>3.25</b>         | 83 | <b>1.00</b>         | 25 |
| STS-400      | <b>4.00</b>                      | 102 | <b>10.50</b>                  | 267 | <b>2.00</b>                         | 51  | <b>6.00</b>  | 152 | <b>2.00</b>                         | 51  | <b>6.00</b>  | 152 | <b>4.00</b>              | 102 | <b>0.250</b>               | 6  | <b>7.50</b>            | 191 | <b>3.25</b>         | 83 | <b>1.00</b>         | 25 |
| STS-600      | <b>6.00</b>                      | 152 | <b>12.50</b>                  | 318 | <b>4.00</b>                         | 102 | <b>8.00</b>  | 203 | <b>3.00</b>                         | 76  | <b>9.00</b>  | 229 | <b>6.00</b>              | 152 | <b>0.375</b>               | 10 | <b>11.00</b>           | 279 | <b>3.25</b>         | 83 | <b>1.00</b>         | 25 |
| STS-800      | <b>8.00</b>                      | 203 | <b>14.50</b>                  | 368 | <b>6.00</b>                         | 152 | <b>10.00</b> | 254 | <b>4.00</b>                         | 102 | <b>12.00</b> | 305 | <b>8.00</b>              | 203 | <b>0.375</b>               | 10 | <b>14.50</b>           | 368 | <b>3.25</b>         | 83 | <b>1.00</b>         | 25 |
| STS-1000     | <b>10.00</b>                     | 254 | <b>17.00</b>                  | 432 | <b>8.00</b>                         | 203 | <b>12.00</b> | 305 | <b>5.00</b>                         | 127 | <b>15.00</b> | 381 | <b>10.00</b>             | 254 | <b>0.375</b>               | 10 | <b>17.00</b>           | 432 | <b>3.25</b>         | 83 | <b>1.00</b>         | 25 |
| STS-1200     | <b>12.00</b>                     | 305 | <b>20.00</b>                  | 508 | <b>10.00</b>                        | 254 | <b>14.00</b> | 356 | <b>6.00</b>                         | 152 | <b>18.00</b> | 457 | <b>12.00</b>             | 305 | <b>0.500</b>               | 13 | <b>20.00</b>           | 508 | <b>3.25</b>         | 83 | <b>1.00</b>         | 25 |

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

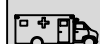
## LOAD TABLE



Safe Walking Surface



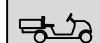
Auto (Low Speed)



Emergency Vehicle (Low Speed)

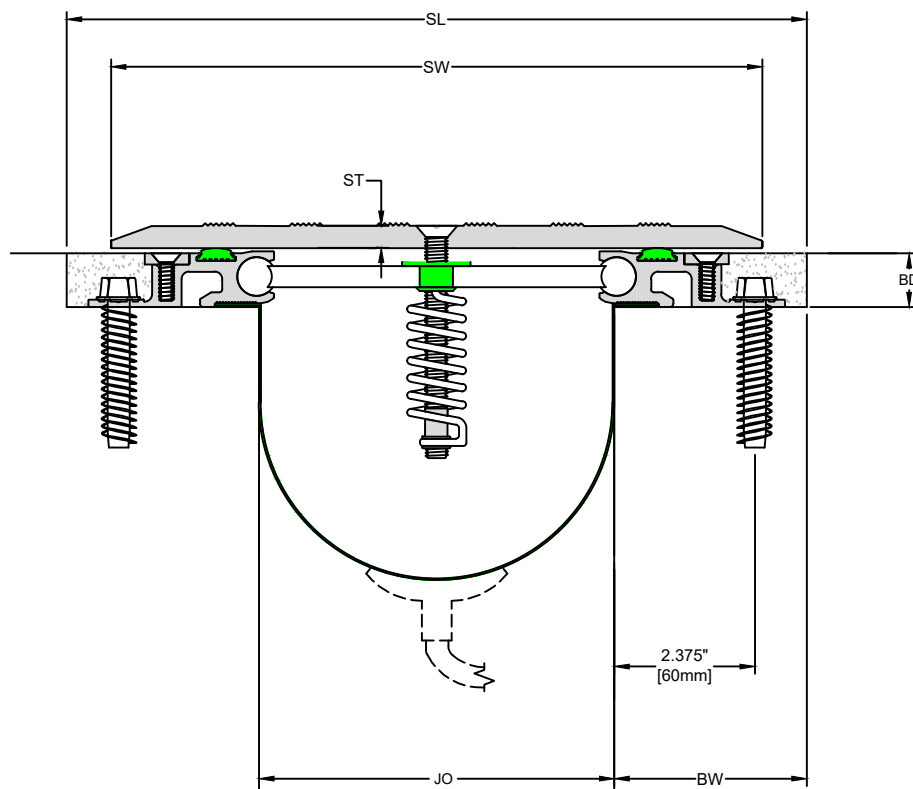


ADA Compliant



Maintenance Cart

Note: The STS 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.



**MM**  
SYSTEMS

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

[www.mm.systems](http://www.mm.systems)

For Spec-Data, Install Guides, and other data visit [www.mm.systems](http://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.

## Seismic Top-Mount Slide Plate

## STS Series (200-1200)

Drawn by:

LRM

Scale:

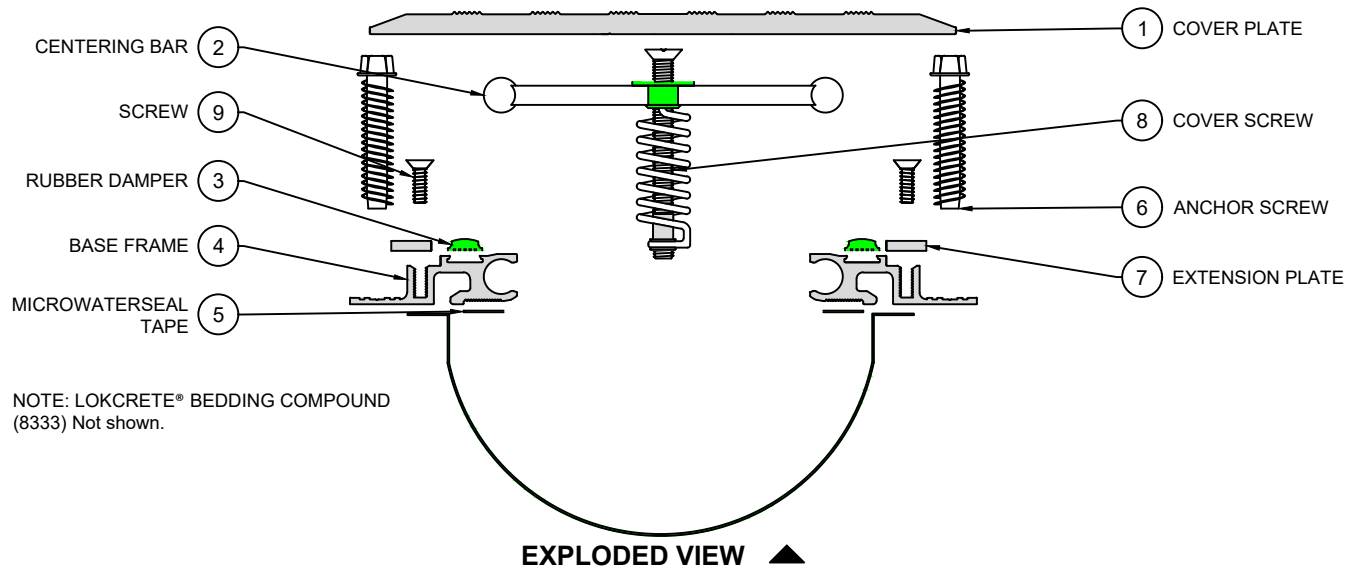
NTS

Drawing Number:

SHT. 2 OF 3

Issue Date:  
03/20/2025

**31325-01**



#### PART NUMBERS ▼

| Locator | Part Component      | STS-200                         | STS-400                         | STS-600                         | STS-800                         | STS-1000                        | STS-1200                        |
|---------|---------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 1       | Cover Plate         | 7145-M-10                       | 7146-M-10                       | 7147-M-10                       | 7148-M-10                       | 7149-M-10                       | 7150-M-10                       |
| 2       | Centering Bar       | ASSY-SCD-1000-v2                | ASSY-SCD-1000-v2                | ASSY-SCD-1400-v2                | ASSY-SCD-1400-v2                | ASSY-SCD-1700-v2                | ASSY-SCD-2000-S001-v2           |
| 3       | Rubber Damper       | 9458                            | 9458                            | 9458                            | 9458                            | 9458                            | 9458                            |
| 4       | Base Frame          | 7130-M-10                       | 7130-M-10                       | 7130-M-10                       | 7130-M-10                       | 7130-M-10                       | 7130-M-10                       |
| 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        | 7420                            | 7420                            | 7420                            | 7420                            | 7420                            | 7420                            |
| 7       | Extension Plate     | BAR-6061-3/16X3/4X144           | BAR-6061-3/16X3/4X144           | BAR-6061-3/16X3/4X144           | BAR-6061-3/16X3/4X144           | BAR-6061-3/16X3/4X144           | BAR-6061-3/16X3/4X144           |
| 8       | Cover Screw         | 9346                            | 9346                            | 9346                            | 9346                            | 9346                            | 9346                            |
| 9       | Screw               | 9382                            | 9382                            | 9382                            | 9382                            | 9382                            | 9382                            |
| 10      | Rubber Gutter       | 9109-09                         | 9109-14                         | 9109-18                         | 9109-24                         | 9109-26                         | 9109-26                         |



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

[www.mm.systems](http://www.mm.systems)

For Spec-Data, Install Guides, and other data visit [www.mm.systems](http://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.

#### Seismic Top-Mount Slide Plate STS Series (200-1200)

Drawn by:  
LRM

SHT. 3 OF 3

Scale:  
NTS

Issue Date:  
03/20/2025

Drawing Number:

31325-01