



# MM<sup>®</sup> GID Series Expansion Joint

## Galvanized Impact Damping System

SPECIAL DATA  
 MM Systems Corporation • 50 MM Way, Pendergrass, GA 30567 • 866.506.6929 • www.mm-usa.com

### DESCRIPTION

The GID Series expansion joint is designed for wide expansion joint openings with the ability to facilitate heavy loading. Recessed convex curved slide plates allow the system to accommodate vertical deck deflection. Rubber high-density impact damping base shock pads absorb traffic impact loads while accommodating minor deck deflection. The flexible fabric reinforced rubber gutter in conjunction with the rubber base shock pads enhances the GID waterproofing attributes.

### BASIC USE

GID is a traffic bearing expansion joint for parking structures (convention centers, concourse areas, etc.) and other open-air structures requiring a heavy-duty load bearing design. Contact MM Systems for aluminum AID Series and stainless steel SID Series designs.

### FEATURES

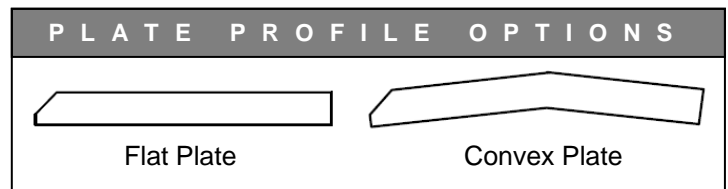
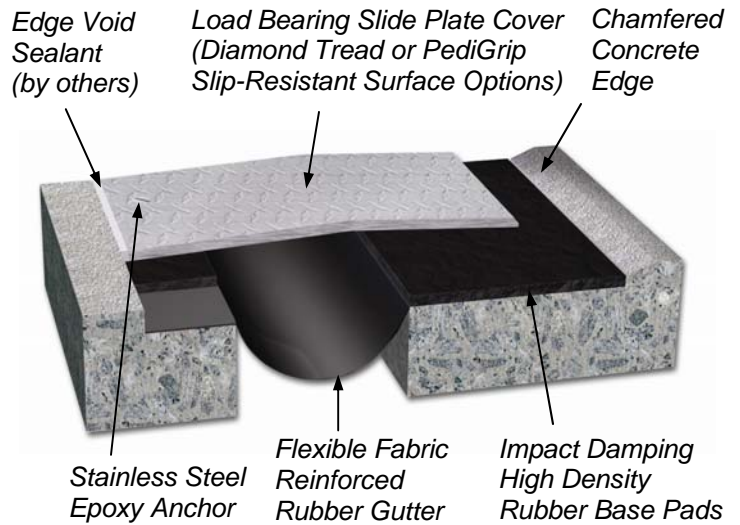
- For wide joints with recessed concrete blockouts.
- Accommodates vertical deck deflection.
- AASHTO HS-20 load carrying capability.
- Convex slide plate also available in stainless steel aluminum and as a flat slide plate cover.
- Complies with ADA guidelines.
- Impact damping rubber base shock pads.
- Integral fabric reinforced puncture resistant continuous rubber gutter.

### SPECIAL FEATURES

- Available with optional flexible train tube assemblies.
- Fire Barriers - MM expansion joint systems are available with 2 to 4 hour fire protection ratings.

### STORAGE

- Store in a dry location prior to use. Read and follow labels and Material Safety Data Sheet before use.



### PACKAGING

Galvanized steel slide plates covers supplied in 10-foot lengths and shipped on wooden pallets.

Hardware and other accessories packaged in cardboard cartons.

Fabric Reinforced Rubber Gutter is supplied in longest possible lengths shipped on pallets or spools.

### PRECAUTIONS

Adhesives - Use splash goggles and chemical resistant gloves to avoid prolonged or repeated skin contact. Use with adequate ventilation. In case of eye contact, immediately flush (low pressure) with lukewarm water. In case of skin contact, immediately wash skin with soap and water. Read and follow labels and Material Safety Data Sheet before use.

### LIMITATIONS

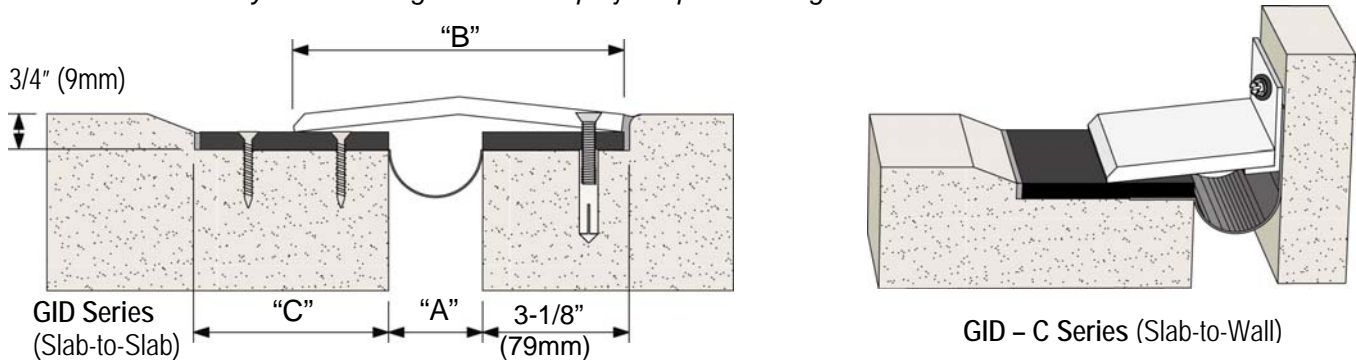
- Concrete blockouts must be properly formed, finished and have sound substrate.
- Joints located in turning lanes or exposed to forklift traffic must be engineered for greater impact loads – contact MM Systems.

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## SELECTION GUIDE

Model Number	Total Movement		Joint Opening "A"						Slide Plate "B"		Blockout "C"	
			Min.		Nominal		Max.					
GID-200	<b>2.0</b>	51	<b>1.0</b>	25	<b>2.0</b>	51	<b>3.0</b>	76	<b>7.0</b>	178	<b>4.125</b>	105
GID-300	<b>3.0</b>	76	<b>1.5</b>	38	<b>3.0</b>	76	<b>4.5</b>	114	<b>8.5</b>	216	<b>5.125</b>	130
GID-400	<b>4.0</b>	102	<b>2.0</b>	51	<b>4.0</b>	102	<b>6.0</b>	152	<b>10.0</b>	254	<b>6.125</b>	156
GID-500	<b>5.0</b>	127	<b>2.5</b>	64	<b>5.0</b>	127	<b>7.5</b>	191	<b>11.5</b>	292	<b>7.125</b>	181
GID-600	<b>6.0</b>	152	<b>3.0</b>	78	<b>6.0</b>	152	<b>9.0</b>	229	<b>13.0</b>	330	<b>8.125</b>	206
GID-700	<b>7.0</b>	178	<b>3.5</b>	89	<b>7.0</b>	178	<b>10.5</b>	267	<b>14.5</b>	368	<b>9.125</b>	232
GID-800	<b>8.0</b>	203	<b>4.0</b>	102	<b>8.0</b>	203	<b>12.0</b>	305	<b>16.0</b>	406	<b>10.125</b>	257
GID-900	<b>9.0</b>	229	<b>4.5</b>	114	<b>9.0</b>	229	<b>13.5</b>	343	<b>17.5</b>	445	<b>11.125</b>	283
GID-1000	<b>10.0</b>	254	<b>5.0</b>	127	<b>10.0</b>	254	<b>15.0</b>	381	<b>19.0</b>	483	<b>12.125</b>	308

Dimensions are shown in **inches** (bold) and millimeters. See web site for GID-C Movement Table. Contact MM Systems for larger sizes and project specific designs.



## LIMITED WARRANTY

MM Systems warrants the Galvanized Impact Damping System to be free of defects in material and conform to technical data listed. We make no warranty as to color or appearance. Since methods of application can affect performance and on site conditions are beyond our control, MM Systems makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MM Systems sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of system proved to be defective. In no event shall MM Systems be liable for any special, incidental, consequential, loss of profits or punitive damages. Other warranties may be available when installed by a MM Certified Contractor.

## INSTALLATION

- 1) Remove and repair all unsound concrete in and around the blockout. All spalls must be repaired with compatible patching material.
- 2) Prepare substrate by sandblasting. The blockout must be clean and dry prior to installation and bonding of rubber base pad.
- 3) Install fabric reinforced rubber gutter with Microsealant Waterproofing tape.
- 4) Apply epoxy bedding compound over entire blockout bottom with a notched trowel.
- 5) Install rubber shock base pad over rubber gutter into bedding compound.
- 6) Install GID slide plate with epoxy insert anchors supplied.
- 7) Mask-off top of deck parallel with edge of blockout on each side of the expansion joint.
- 8) Fill edge voids with sealant supplied by others.
- 9) Torque hardware per the GID Installation Guideline.
- 10) Refer to the GID Installation Guideline for detailed step-by-step instructions.

MM Systems reserves the right to amend or withdraw information contained herein, without notice, and will not be liable for any inaccuracy or ambiguity of said information.

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# Spec Data