

## RAISED PAVEMENT MARKER 135

Code: BACI-ES-135

### WHAT'S A 135 PAVEMENT MARKER?

Traffic buttons or cat eyes, planned properly to maintain safety on asphalt layer, due is complemented by a glass sphere that helps to a better luminosity at long distances.

Ideal to confine and delineate lanes to place on all kind of roads.

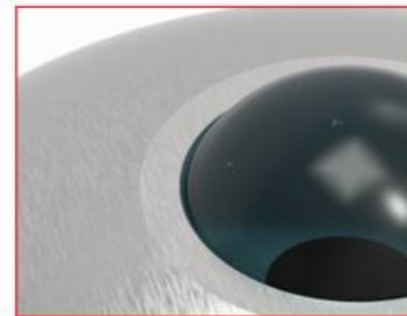
Placed on pavement, work to channelize circulation of vehicles, indicate movements, oblige motorists to reduce their speed, delineate lanes and other functions; useful and convenient due it doesn't distract motorist, but call their attention with the reflective sphere.

Reflectivity is provided by sphere; giving more visibility during night with headlights of vehicles. Great device in pedestrian zones, crossings, turns, etc.



### FEATURES

- Molded in stainless steel in a single piece.
- Body with fill, made of materials that provide high resistance to shocks and impacts.
- Work as speed bump in pedestrian crossings, school zones and delineate lanes.
- Glass sphere with thermal type tempering, is 100% safe; harmless pieces, if breaks.
- Thanks to their manufacturing materials and methods, has a long durability.
- Option to include a bolt on lower part for an optimal fastening on asphalt surface.
- ABS bolt doesn't break if detached from the device, just deteriorates.
- Easy to install, it doesn't need subsequent maintenance.
- Usually, the installation of the device requires epoxy glue; this distinguishes for its high resistance to temperature, physical and chemical agents, excellent adhesion and long durability result.

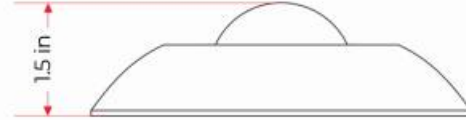


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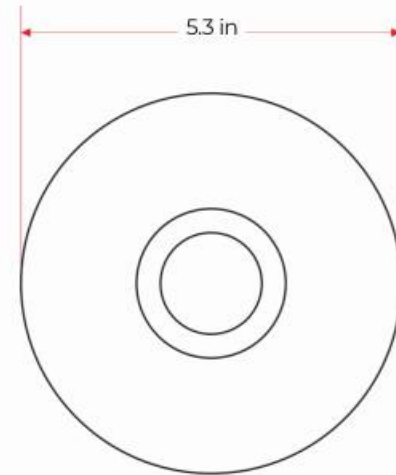
## MEASUREMENTS

Dimensions and other measures are nominal and may vary by +/- 2%.



### RAISED PAVEMENT MARKER

<b>Die-Cut in</b>	<ul style="list-style-type: none"> <li>Stainless Steel Type 430</li> <li>Nikel-Chromium alloy</li> </ul>
<b>Sheet Gauge Size</b>	<ul style="list-style-type: none"> <li>18</li> </ul>
<b>Finish</b>	<ul style="list-style-type: none"> <li>2b finish</li> </ul>
<b>Measures</b>	<ul style="list-style-type: none"> <li>Diameter: 5.3 in</li> <li>Height: 1.5 in</li> </ul>
<b>Approx. Weight</b>	<ul style="list-style-type: none"> <li>550 gr (19.4 oz)</li> </ul>
<b>Color</b>	<ul style="list-style-type: none"> <li>Natural</li> </ul>
<b>Pressure Resistance</b>	<ul style="list-style-type: none"> <li>+ 7,500 kg/cm<sup>2</sup> (106,675 lb/in<sup>2</sup>)</li> </ul>
<b>Steel</b>	<ul style="list-style-type: none"> <li>450 mega pascals</li> </ul>
<b>Optional Bolt</b>	<ul style="list-style-type: none"> <li>A36 Steel with 3 spaces</li> </ul>



### SPHERE

<b>Manufactured in</b>	<ul style="list-style-type: none"> <li>Silicon glass with thermal type tempering</li> </ul>	<b>Hardness</b>	<ul style="list-style-type: none"> <li>6 or 7 mohs scale</li> </ul>
<b>Measures</b>	<ul style="list-style-type: none"> <li>Diameter 2.0 in</li> <li>Height: 0.3 in</li> </ul>	<b>Poisson's coefficient</b>	<ul style="list-style-type: none"> <li>Vary between 0.22 and 0.23</li> </ul>
<b>Color of presentation</b>	<ul style="list-style-type: none"> <li>Natural</li> </ul>	<b>Compressive Strength</b>	<ul style="list-style-type: none"> <li>Greater than 10,000 kg/cm<sup>2</sup> (142,233 lb/in<sup>2</sup>)</li> </ul>
<b>Density</b>	<ul style="list-style-type: none"> <li>2500 kg /m<sup>3</sup> (156 lb/ft<sup>3</sup>)</li> </ul>	<b>Working Modulus</b>	<ul style="list-style-type: none"> <li>500 kg/cm<sup>2</sup> (7,111 lb/in<sup>2</sup>)</li> </ul>
<b>Softening Point</b>	<ul style="list-style-type: none"> <li>Approx .730 °C. (1346 °F)</li> </ul>	<b>Modulus of Rupture</b>	<ul style="list-style-type: none"> <li>850 kg/cm<sup>2</sup> (12,089 lb/in<sup>2</sup>)</li> </ul>
<b>Thermal conductivity</b>	<ul style="list-style-type: none"> <li>1.05 W/mK</li> </ul>	<b>Tensile Strength</b>	<ul style="list-style-type: none"> <li>300 &amp; 700 k/cm<sup>2</sup></li> </ul>

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### INSTALLATION

Installation of devices must be with hands, using epoxy glue:

1. Prepare the surface, which must be dry and clean; mark the distribution of each device (9.8 in from center, in staggered formation).
2. Apply epoxy resin on the other side of the device, make sure is totally covered by the glue, specially in corners (approx. 3.5 oz.).
3. Place road stud and exert pressure, it doesn't matter glue comes out from the device, this will help to a better fastening.
4. In case of include bolt, drill a borehole with a 1/2" drill bit to a 3" depth, remove the dust and start from step 2.
5. Let it dry for approximately 2 hours.

#### How to prepare epoxy resin:

1. Compound equal amounts of "a" + "b" substances.
2. Stir until a homogeneous mixture is obtained.
3. Once you are done, dispose of the epoxy resin residuals (it is for single-use only).

