

**OHD L-23
METHOD OF TEST FOR
DETERMINING LOAD RESISTANCE OF A PAVEMENT MARKER**

Method A

- I. **SCOPE.** This method of test covers the procedure for determining the ability of pavement markers to resist being crushed by a specified load.
- II. **APPARATUS.** The apparatus shall consist of the following:
- A. **Neoprene Bridge Bearing Pad**, cut to the approximate size and shape of the marker. The pad shall meet the following specifications:
- | | |
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| Thickness | 1 ± 1/8 inch (2.54 ± 0.32 cm) |
| Shore A Hardness (Durometer) ASTM D 676 | 70 ± 5 |
| Composition | 100% Virgin Neoprene |
| Tensile Strength ASTM D 412 | 2500 psi (17238 kPa)(minimum) |
- B. **Steel or Aluminum Panels** of any gauge and of sufficient size to hold the markers.
- C. **Adhesive**, as specified.
- D. **Loading Machine** which has a minimum loading capacity of 1000 pounds (454 Kg) over specification requirements.
- E. **Three specimens** from each lot being tested.
- III. **PREPARATION OF TEST SPECIMEN.** Prepare adhesive according to manufacturer's directions. Apply to back of marker using an excess amount of adhesive. Press the marker on to the panel so that adhesive is forced out from under the marker along all edges. Allow the mounted marker to set for a minimum of 16 hours.
- IV. **PROCEDURE.** Place the test specimen on the platen of the loading machine. Center the neoprene pad on the marker and apply the load at a rate of 10,000 pounds (4536 Kg) per minute until it reaches the specified maximum load. Release the load and examine the marker. There will be no evidence of deformation, cracking, chipping, or breaking. Failure of more than one specimen shall be cause for rejection of the lot.

Method B

- I. Method B will be identical to Method A, with the following exceptions:
- A. The Neoprene pad will be 3/8 inch thick and have a Shore A Durometer of 60 ±5.
- B. The Manufacturer must request Method B and supply the necessary Neoprene pads.