

# SPECIFICATION

Roadside Safety Devices

Designator: **TFMM99**

Description: **ECCENTRIC LOADER  
HEAD**



Eccentric Loader Head shall be manufactured from material as follows:

- a) Corrugated steel pipe: nominal 610 mm diameter, 16 gauge (1.52 mm) thick, with annular corrugations as defined in AASHTO M 36M
- b) Structural tube: from a HSS 305 X 102 X 4.8 rectangular hollow section as defined in ASTM A1011 / A1011M, Grade 250 (36), Type 2
- c) Steel plate: from plate steel, 6 mm, thick as defined in ASTM A1011 / A1011M, Grade 250 (36), Type 2
- d) Angle: from a L 127 X 76 X 9.5 as defined in ASTM A1011 / A1011M, Grade 250 (36), Type 2
- e) Steel plate washer: from plate steel, 6 mm, thick as defined in ASTM A1011 / A1011M, Grade 250 (36), Type 2
- f) Lever mechanism: from W Section 150 X 13 as defined in ASTM A1011 / A1011M, Grade 250 (36), Type 2

Welding shall conform to the requirements of ANSI/AASHTO/AWS D1.5. After all punching, drilling, stamping and welding is complete, the section shall be zinc coated according to AASHTO M111 (ASTM A123) unless corrosion resistant steel is desired. Corrosion resistant steel shall conform to AASHTO M270M (ASTM A709M) Grade 50W and should not be zinc coated, painted or otherwise coated.

Steel plate washers shall be affixed to the angle by means of a steel wire (16 gauge) sufficiently long to ensure secure transport and storage of the washers with the rest of the components.

All components for each Eccentric Loader Head shall be shipped inside the corrugated steel pipe. They shall be sufficiently wrapped in clear plastic to contain all parts within the corrugated steel pipe. The plastic shall be of a type that will withstand outdoor weather extremes and environmental conditions of Manitoba, such as UV radiation, for at least 24 months.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices. Eccentric Loader Head may be supplied in the nearest equivalent Imperial, or English, units and/or corresponding manufacturing specification.

Effective Date: January 10, 2013

Revised Date:

