

M.A. MANHOLE STEP

• Long Life in Corrosive Environments

Has polypropylene's superior resistance to all types of corrosive environments found in manholes. Tests show polypropylene resists even 50% hydrogen sulfide or sulfuric acid up to 120°F. Accelerated aging tests on polypropylene indicate a life expectancy as long as the manhole you install in it.

• M.A. Step

The manhole step most widely specified in the industry. Injection molded of tough copolymer polypropylene that encapsulates a 1/2" grade 60 steel reinforced rod. This combination is the best solution for a dependable manhole step.

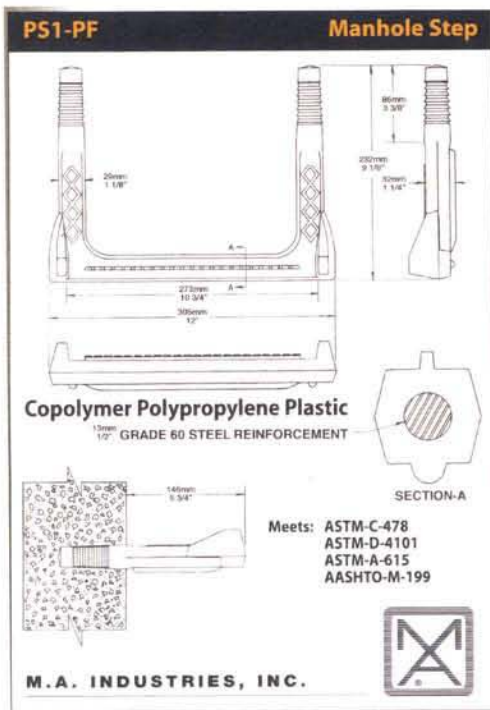
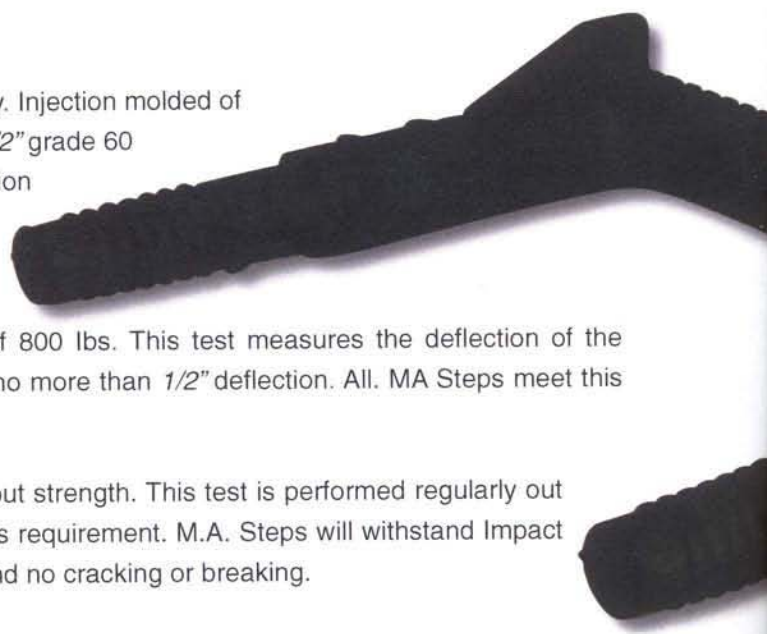
• Vertical Load and Pullout Strength

Manhole steps must withstand a vertical load test of 800 lbs. This test measures the deflection of the step after a load of 800 lbs is applied. There can be no more than 1/2" deflection. All MA Steps meet this requirement.

Manhole steps must have a minimum of 400 lbs pullout strength. This test is performed regularly out in the field by our sales force. All M.A. Steps meet this requirement. M.A. Steps will withstand Impact Testing of up to 300 ft.lbs with only minor deflection and no cracking or breaking.

• Consistently Tight Installations

The M.A. Press Fit step is simply driven into preformed holes in the cured concrete. No grout or epoxy is necessary. The locking Rings create a positive friction lock when the step is driven into the hole. This creates the excellent pullout strength.



Installing Steps by drilling:

- 1.) Drill two parallel 1" dia. holes x 3 3/4" deep on 10" centers
- 2.) Have concrete cured to a min. strength of 3000 PSI.
- 3.) Drive step with a sledge hammer to full depth, a minimum of 3 inches.
- 4.) Use form lubricants only.

CAUTION: DO NOT USE GREASE.