



RODENT GUARDS

GENERAL

Rodent guards are intended to keep mice, rats, and other small rodents from entering subdrain outlets, lighting towers, and other areas.

REQUIREMENTS FOR RODENT GUARDS ON SUBDRAIN OUTLETS

1. The rodent guard shall be constructed of hot-dipped, galvanized steel or aluminum or other approved materials.
2. The metal ring shall be a minimum of 0.090 in. (2.30 mm) thickness.
3. The ring shall be a minimum width of 2 in. (50 mm) wide for the guards on double walled, polyethylene pipe and a minimum 3.375 in. (85 mm) wide for guards on corrugated metal pipe.
4. The grate shall be a minimum of 17 gauge; 0.054 in. (1.37 mm) expanded sheet metal. The expanded sheet metal can be either flattened or standard.
5. The grate opening shall be a minimum of 0.15 in.² (95 mm²) and a maximum of 0.25 in.² (160 mm²).
6. The rodent guard shall be secured to the pipe outlet in a manner such that it can easily be removed and reinstalled.

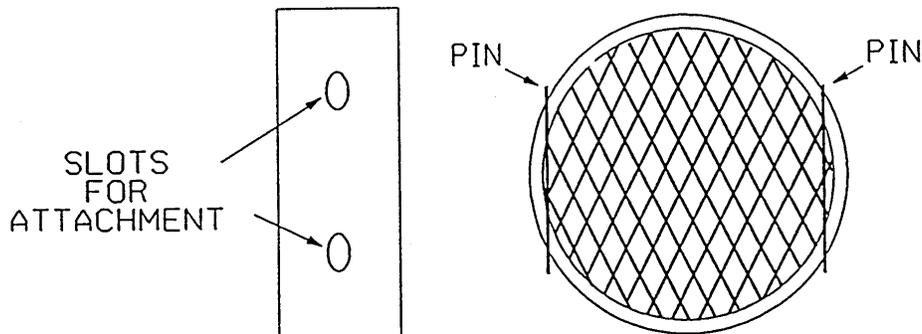


Figure 1: Rodent Guard for Pipe Outlet
(Both double-walled plastic and corrugated metal pipe)

The fastening mechanism may vary from one manufacturer to another. Approved brands of guards for double-walled polyethylene pipe are listed in Appendix A. Approved brands of guards for corrugated metal pipe are listed in Appendix B.

REQUIREMENTS FOR RODENT GUARDS ON LIGHTING TOWERS & OTHER APPLICATIONS

1. The rodent guard grate shall be of the same material and the same opening size as described for subdrain outlets.
2. The method of attachment will be detailed in the plans.

APPROVAL

Requests for product approval shall be made, in writing, to the Office of Materials, Iowa Department of Transportation, 800 Lincoln Way, Ames, Iowa 50010. A finished guard shall accompany the approval request. Approval will be based upon test results of the sample. Approved products are identified in the attached appendixes.

MONITOR SAMPLING & TESTING

Samples may be secured from the project and tested to verify compliance.