

36" Drain Basin

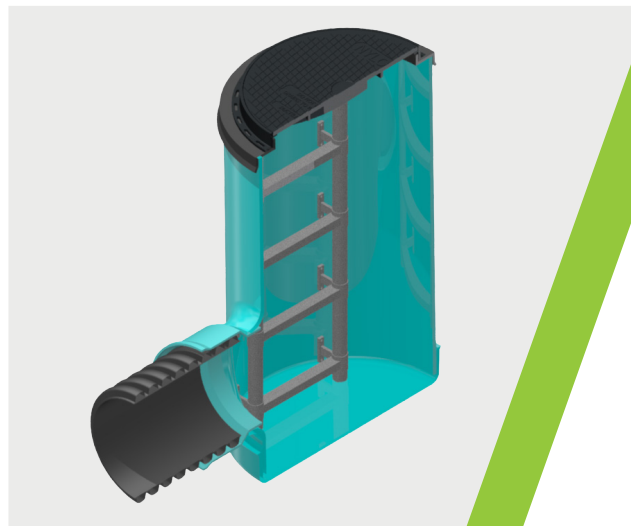
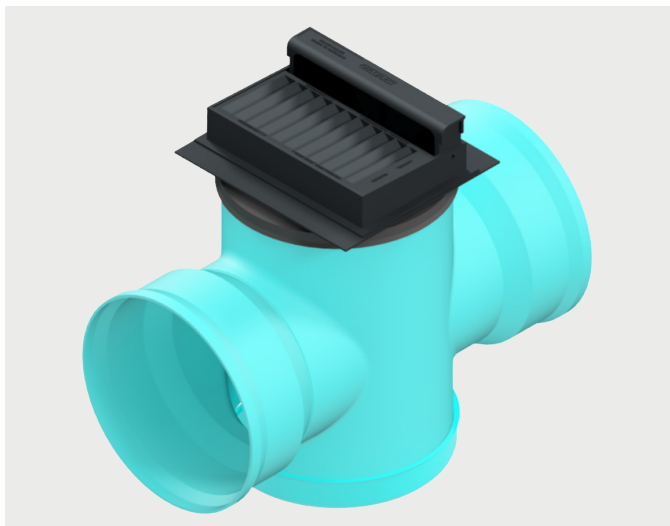
The 36" (900 mm) Drain Basin is the newest member of the Nyloplast family of structures and was developed to handle larger pipe diameters, provide access, and meet structural performance standards for traffic applications. It is constructed with a watertight PVC body, water tight gasketed connections, and accepts a variety of ductile iron inlets and covers. With safety in mind, ease installation and long-term performance where joint integrity and soil migration are concerns, this light weight drain basin provides a cost effective solution to traditional concrete.

Applications

- 36" (900 mm) drain basin can be used in parking lots, roads, and green space applications
- Structures can be used anywhere that junction boxes, storm inlets, catch basins, curb inlets, and drop inlets are specified
- Drain basins are built at plant to project specifications and are ready for field connections
- Drain basins allow access to storm detention and pipe collection systems

Features

- Provides watertight connections for a wide range of pipe connection types and sizes up to 36" (900 mm) diameter. See minimum angle design chart
- Drain basin accepts a variety of 30" (750 mm) diameter drain basin covers and inlet grates
- Structures tested to meet H-20 traffic loading
- Materials provide long-service life, excellent abrasion and corrosion resistance
- Light weight structure constructed from PVC for easy installation
- Provides significant installed cost savings
- Design minimum pipe angles comparable to 60" (1500 mm) precast concrete drain basin
- Ladder option provides access to pipe collection system
- Installs three times faster than traditional precast
- Structures can be factory built with weirs and other flow control devices and deliver to jobsite ready to install



36" (900 mm) Drain Basin Specification

Scope

This specification describes the 36" (900 mm) Drain basin for use in underground stormwater applications.

Joint Properties

36" (900 mm) Drain basins shall be manufactured from PVC pipe stock, utilizing a thermoforming process to reform the pipe stock to the specified configuration. The raw material used to manufacture the pipe stock that is used to manufacture the main body and pipe stubs of the surface drainage inlets shall conform to ASTM D1784 cell class 12454.

Gaskets shall be made from material meeting the requirements of ASTM F477.

Ductile iron used in the manufacture of the castings shall conform to ASTM A536 grade 70-50-05. Grates and covers shall be provided painted black.

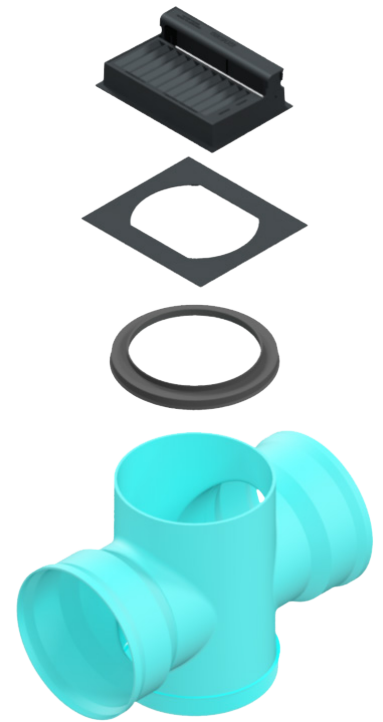
Performance

The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals.

Grates for drain basins shall be capable of supporting various wheel loads as specified by Nyloplast.

Installation

36" Drain basins shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of Class 1, Class 2, or Class 3 materials as defined in ASTM D2321. Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with ASTM D2321. Contact Nyloplast Engineering in Buford, GA for installation recommendations.



36" (900 mm) Drain basin

