

SPECIFICATIONS

CORRUGATED MANHOLE/CATCH BASIN

SCOPE

These specifications apply to all 300 mm (12 in) to 1,200 mm (48 in) diameter corrugated manholes/catch basins used for collecting non-roadway surface runoff.

MANHOLE/CATCH BASIN REQUIREMENTS

The manhole/catch basin shall be made with smooth interior and corrugated exterior walls and manufactured from a single part.

PRODUCT COMPONENTS

- The manhole/catch basin shall be made from a polyethylene resin that complies with properties classification PE 334420C, as defined in standard ASTM D3350.

JOINT PERFORMANCE

- 100 mm (4 in) to 200 mm (8 in): multiaxial gasket welded to the wall of the catch basin allowing insertion and retraction of the PVC pipe at various angles.
- 250 mm (10 in): coupler welded to a catch basin equipped with a double bell with integrated gasket with transition to PVC. The gasket shall be co-injected into the double bell.
- 300 mm (12 in) to 900 mm (36 in): bell with integrated gasket with clips welded to the pipe to ensure proper insertion of the HDPE pipe. The gasket shall be co-injected into the bell.
- 1,050 mm (42 in) to 1,200 mm (48 in): HDPE bell welded to the manhole with gasket installed by the manufacturer onto the male end, covered by a protective film for shipping.
- Fused or glued gaskets will not be permitted.

FRAMES, GRATES AND COVERS

Frames, grates and covers shall be made from S series cast iron.

DIMENSIONS AND QUANTITIES

Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION

Installation of the corrugated manhole/catch basin will be made according to the installation requirements of the concrete manhole/catch basin specified in standard BNQ 1809-300, and following Soleno's recommendations. Contact the Soleno representative in your region or visit our website at www.soleno.com for installation recommendations.