



SPECIFICATIONS

LINEAR CATCH BASIN

SCOPE

These specifications apply to all 300 mm (12 in) to 600 mm (24 in) diameter linear catch basins used to collect surface runoff.

LINEAR CATH BASIN REQUIREMENTS

Each linear catch basin is composed of a galvanized steel grate supported by a stainless steel frame/funnel, which is attached to a Solflo Max pipe with smooth interior and corrugated exterior walls.

- Grate: at least 160 mm (6.3 in) wide with maximum openings of 25 mm (1 in) per 100 mm (4 in). Can support CL-625, H-25 or HS-25 loads.
- Frame/Funnel: attached to the pipe with stainless steel screws and wedged in heated HDPE to keep everything in place.
- Pipe: the pipe shall be certified as per standards BNQ 3624-120 (Class A) and CSA B182.8. They shall have minimum stiffness of 320 kPa and be 2 m (6.6 ft) long.

RAW MATERIALS

- Grate: manufactured from steel complying with standard ASTM A36 and hot dip galvanized according to standard ASTM A123 and/or CSA G164 M92. The galvanized coating weight shall be at least 260 g/m² (0.858 oz/ft²).
- Frame/Funnel: manufactured from 304 stainless steel with 16 gauge (1.29 mm) minimum thickness and shall comply with Stainless steel standard AISI 304 (UNS S30400).
- Pipe: shall be made from a polyethylene resin that complies with properties classification defined in standard ASTM D3350 Class A PE 435400.

JOINT PERFORMANCE

- Bell with integrated gasket with clips(BIGC). The BIGC and Solflo Max assembly is certified as per standard CSA B182.8, Type 1. The gasket shall be co-injected into the bell and shall overlap two corrugations.
- Fused and/or glued gaskets will not be permitted.

ACCESSORIES

- **Connections, service connections:**
Service connections for 100 mm (4 in), 150 mm (6 in) and 200 mm (8 in) diameter PVC pipes shall be monolithic (factory welded), as required by standard BNQ 1809-300, and equipped with an integrated O-ring gasket.
Each connection to a concrete structure shall be made with a monolithic HDPE adapter with smooth exterior wall and an end bell with integrated gasket, as required by standard BNQ 1809-300. PVC and urethane adapters will not be permitted.
- **End caps:**
Each series of linear catch basins should be equipped with an end cap with gasket (CG).

DIMENSIONS AND QUANTITIES

Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION

Installation shall be carried out following Soleno's recommendations. Contact the Soleno representative in your region or visit our website at soleno.com for installation recommendations.