SPECIFICATIONS

MANHOLE WITH SMOOTH EXTERIOR WALL

SCOPE
These specifications apply to all 600 mm (24 in) to 3300 mm (132 in) diameter manholes with smooth interior and exterior walls used for changes in direction and elevation, inspection and cleaning of storm water sewer networks and retention system pipes.

MANHOLE REQUIREMENTS
The manhole shall be made with smooth interior and exterior walls, manufactured from a single part and meet CL-625 highway loading requirements as defined in standard CAN/CSA-S6, H-25 or HS-25 as defined in standard AASHTO.

PRODUCT COMPONENTS
The manhole components shall be made from high-density polyethylene (HDPE) resin that complies with standard ASTM D3350.

JOINT PERFORMANCE
- 100 mm (4 in) to 250 mm (10 in): double bell with integrated gasket (DBIG). The DBIG 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.
- 300 mm (12 in) to 900 mm (36 in): 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.
- 1050 mm (42 in): bell with gasket (BG) installed by the manufacturer onto the male end, covered by a protective film for shipping. The assembly is certified as per standard CSA B182.8, type 3.
- 1200 mm (48 in): bell with integrated gasket with clips (BIGC). The BIGC and Solflo Max assembly shall comply with standard CSA B182.8.
- 1500 mm (60 in): bell with gasket (BG) installed by the manufacturer onto the male end, covered by a protective film for shipping. The assembly is certified as per standard CSA B182.8, Type 1.
- Gaskets shall comply with table 3 from standard BNQ 3624-120 and table 6 from standard CSA B181.0.

GRATES AND COVERS
- For roadway use, frames and covers shall be made of cast iron and adjustable, allowing transfer of loads to the surrounding soil.
- For non-roadway use, frames and covers shall be made from S series cast iron.

ACCESSORIES
- Ladder made of HDPE.
- Ladder made of galvanized steel (upon request).
- Anchors made of stainless steel.

DIMENSIONS AND QUANTITIES
Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION
Installation shall be carried according to the installation requirements of the concrete manhole specified in standard BNQ 1809-300, and following Soleno's recommendations. Contact the Soleno representative in your region or visit our website at soleno.com for installation recommendations.