



# SPECIFICATIONS

## SLUICE PIPE

### SCOPE

These specifications apply to all 300 mm (12 in) to 1500 mm (60 in) diameter sluice pipes used for surface evacuation of surface runoff.

### PIPE REQUIREMENTS

Each sluice pipe is made from a half-section of Solflo Max pipe built with smooth interior and corrugated exterior walls, and steel anchors.

- 300 mm (12 in) to 900 mm (36 in) pipes shall be certified as per standard BNQ 3624-120 Class A. They shall have minimum stiffness of 320 kPa and be 6 m (19.7 ft) long.
- 1050 mm (42 in) pipes shall be certified as per standard BNQ 3624-120 Class A. They shall have minimum stiffness of 140 kPa and be 3.3 m (10.8 ft) long.
- 1200 mm (48 in) pipes shall be certified as per standard BNQ 3624-120 Class A. They shall have minimum stiffness of 125 kPa and be 6 m (19.7 ft) long.
- 1500 mm (60 in) pipes shall comply to standard ASTM 2648, AASHTO M294 (R105) and standard BNQ 3624-120 Class A (R95). They shall be 6 m (19.7 ft) long.

### RAW MATERIALS

- The sluice pipe shall be made from a polyethylene resin that complies with properties classification as defined in standard ASTM D3350 Class A: PE 435400
- Anchors are manufactured from steel complying with standard ASTM A370.

### JOINT PERFORMANCE

Locking half-bell welded to the sluice pipe, allowing for proper insertion between sections, with steel anchors ensuring a stable pipe/soil interface.

### 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](http://soleno.com) for installation recommendations.