

## Scope

This specification designates the requirements for 18-, 21-, 24-, 30- and 36- inch I.D. Prinsco Meter Pits for use in the production of commercial and residential metered service connections.

## Pipe Requirements

Prinsco Meter Pits shall have annular exterior corrugations with a smooth interior. This will allow backfill to fill between the corrugations, providing added strength to resist movement underground. Meter Pits are produced white in color with a gold stripe. Two pre-fabricated openings are located at the bottom of the basin, spaced 180 degrees apart for connecting lines 1.25 inches in diameter or less.

## Materials

Meter Pits are manufactured using High Density Polyethylene (HDPE) meeting the minimum requirements of cell classification of 435400E. The recycled content shall not be less than 40% post-consumer recycled HDPE. The crack resistant HDPE material delivers a lightweight product that can be installed in many environments year-round.

## Physical Pipe Dimensions

| Nominal ID (in) | Approximate OD (in) | Pre-Fabricated Lengths (in) | Stick Length (ft) | Approximate Weight/foot (lb) | Min. Pipe Stiffness @ 5% Deflection (psi) |
|-----------------|---------------------|-----------------------------|-------------------|------------------------------|---|
| 18              | 21.6                | 24, 30, 36, 42              | 20                | 6.5                          | 40  |
| 21              | 25                  | 30, 36                      | 20                | 8.0                          | 38  |
| 24              | 28.4                | 30, 36, 42, 48              | 20                | 11.0                         | 34  |
| 30              | 35                  | 30, 36                      | 20                | 14.6                         | 29  |
| 36              | 41                  | 42                          | 10, 20            | 19.0                         | 22.5                                      |

## Fabrication

Meter Pits are manufactured to meet a variety of requests such as cut-outs (non-fabricated or special design), custom lengths (not to exceed 60 inches), and bulk 20' sticks. Contact your local Prinsco sales representative for more information.

## Installation

Prinsco Meter Pits should be installed in accordance to local and state codes in addition to ASTM D2321 and Prinsco's published installation guidelines. Minimum bedding and cover height shall be 4" each. For trafficked areas, a concrete collar shall be placed around the basin supporting the lid and loading from above. Visit [www.prinsco.com](http://www.prinsco.com) for the latest installation guidelines.

## Reference Specifications

This specification references the latest edition and revisions of the following standard specifications:

- AASHTO M294 – *Standard Specification for Corrugated Polyethylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter*
- ASTM D3350 – *Standard Specification for Polyethylene Plastics Pipe and Fittings Materials*
- ASTM D2321 – *Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications*
- ASTM D2412 – *Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading*

