

Scope

This specification designates the requirements for 3- through 15-inch I.D. Prinsco GOLDLINE® HD pipe for use in gravity-flow drainage applications.

Pipe Requirements

Prinsco GOLDLINE HD pipe shall have annular interior and exterior corrugations and shall meet the following standards:

- 3- through 15-inch shall meet ASTM F667

Materials

GOLDLINE HD pipe shall be manufactured using High Density Polyethylene (HDPE) having a cell classification of 323410C for 3- through 15-inch diameters as defined and described in ASTM D3350.

Joint Performance

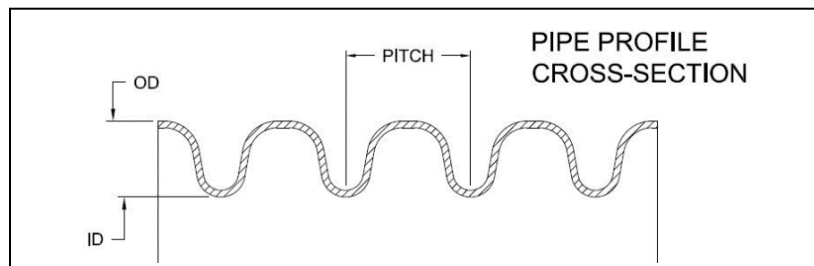
GOLDLINE HD pipe shall be joined using soil tight joints meeting ASTM F667. Gaskets, when used, shall meet the requirements of ASTM D1056 Grade 2A2 and shall be installed by the manufacturer. GOLDLINE HD joints shall be assembled in accordance with the manufacturer's requirements.

Fittings

Fittings shall meet the requirements of ASTM F667. Standard fittings are available as listed in the Prinsco Product Catalog or on Prinsco's website www.prinsco.com.

Physical Pipe Dimensions

Nominal ID (in)	Approximate OD (in)	Available Lengths (ft)	Corrugation Pitch (in)	Approximate Weight/foot (lb)	Min. Pipe Stiffness @ 5% Deflection (psi)
3"	3.6	10, 100, 300, 5300	.67	0.2	30
4"	4.7	10, 100, 250, 3000	.67	0.3	30
5"	5.7	165, 2300	.67	0.5	30
6"	7.0	10, 20, 100, 1450	.80	0.7	30
8"	9.3	20, 390, 825	1.00	1.2	30
10"	11.9	20, 525	1.30	2.0	30
12"	14.5	20, 320	2.00	2.7	30
15"	17.8	20, 150	2.67	4.1	30



Installation

Pipe and fittings shall be installed in accordance with ASTM D2321 or ASTM F449 and Prinsco's published installation guidelines. Minimum cover for AASHTO H-25 loads shall be 12" and shall be measured from the top of the pipe to the bottom of flexible pavement or to the top of rigid pavement. Contact your local Prinsco representative or visit www.prinsco.com for the latest installation guidelines.



Reference Specifications

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

- ASTM F667 – *Standard Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings*
- ASTM D3350 – *Standard Specification for Polyethylene Plastics Pipe and Fittings Materials*
- ASTM D1056 – *Standard Specification for Flexible Cellular Materials – Sponge or Expanded Rubber*
- ASTM D2321 – *Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications*
- ASTM F449 – *Standard Practice for Subsurface Installation of Corrugated Polyethylene Pipe for Agricultural Drainage or Water Table Control*