



### Scope

This specification designates the requirements for 3- through 24- 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 6- inch shall meet ASTM F405
- 8- through 24- inch shall meet ASTM F667

### Materials

GOLDLINE HD pipe shall be manufactured using High Density Polyethylene (HDPE) meeting the minimum requirements of ASTM D1248 Type III, Class C Category 4, Grade P33 for 3- through 6- inch diameters and cell classification of 423410C for 8- through 24- inch diameters as defined and described in ASTM D3350.

### Joint Performance

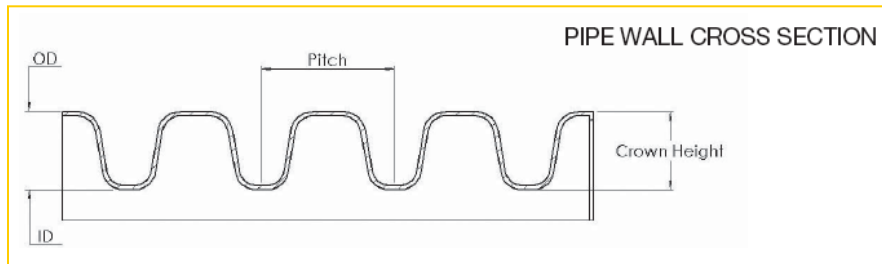
GOLDLINE HD pipe shall be joined using soil tight joints meeting ASTM F405 or F667. Gaskets, when used, shall meet the requirements of ASTM D1056 Grade 2A2 and shall be installed by the manufacturer. GOLDLINE HD joints shall be assembled in accordance with the manufacturer's requirements.

### Fittings

Fittings shall meet the requirements of ASTM F405 or F667. Standard fittings are available as listed in the Prinsco Product Catalog.

### 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	100, 300, 5300	.67	0.2	35
4"	4.6	10, 100, 250, 3000	.67	0.3	35
5"	5.7	165, 2300	.67	0.5	35
6"	7.1	100, 1450	.80	0.7	35
8"	9.5	825	1.00	1.3	35
10"	11.6	525	1.30	1.8	35
12"	14.2	10, 20, 320	2.00	3.0	50
15"	17.7	10, 20	2.67	4.3	42
18"	21.6	11, 20	3.00	5.8	40
24"	28.4	11, 20	4.00	11.0	34





## ***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" to sub-grade in trafficked areas where flexible pavement is installed and shall be 12" to the surface of rigid pavement. Contact your local Prinsco representative or 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:

- ASTM F405 – *Standard Specification for Corrugated Polyethylene (PE) Pipe and Fittings*
- ASTM F667 – *Standard Specification for Large Diameter Corrugated Polyethylene Pipe and Fittings*
- ASTM D1248 – *Standard Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable*
- 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 F449 – *Standard Practice for Subsurface Installation of Corrugated Polyethylene Pipe for Agricultural Drainage or Water Table Control*
- ASTM D1056 – *Standard Specification for Flexible Cellular Materials – Sponge or Expanded Rubber*