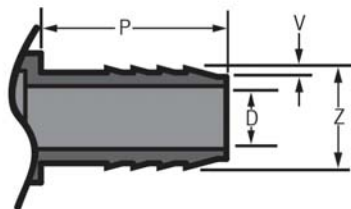


**Barbed Insert Fittings Weights & Dimensions****Dimensions of Insert Ends
ASTM D 2609**

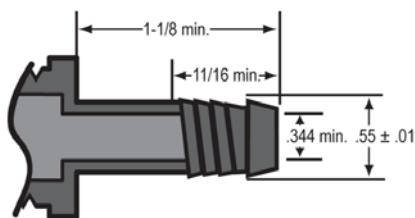
Nominal Size in.	Insert Length "P" min.	Barb O.D. "Z" max. min.		Barb Depth "V" min.	Inside Diameter "D" min.
1/2	1-1/4	.665	.635	.015	.406
3/4	1-1/4	.865	.835	.015	.562
1	1-1/4	1.095	1.065	.020	.750
1-1/4	1-1/4	1.425	1.395	.025	.995
1-1/2	1-1/2	1.665	1.630	.030	1.125
2	1-1/2	2.125	2.085	.030	1.656
2-1/2	2	2.520	2.487	.030	2.062
3	2-1/8	3.125	3.086	.030	2.600
4	3	4.090	4.044	.030	3.525

**Dimensions of Polyethylene Pipe
ASTM D 2104 and D 2239**

Nominal Size in.	Average I.D. in.	Tolerance in.
1/2	.622	+.010 - .010
3/4	.824	+.010 - .015
1	1.049	+.010 - .020
1-1/4	1.380	+.010 - .020
1-1/2	1.610	+.015 - .020
2	2.067	+.015 - .020
2-1/2	2.469	+.015 - .025
3	3.068	+.015 - .030
4	4.026	+.015 - .035

Insert Fittings Dimensions

- G** = (LAYING LENGTH) Intersection of center lines to insert bottom or thread bottom; 90° elbows, tees & crosses; $\pm 1/32$ inch.
- H** = Intersection of center lines to end of insert or face of fitting; 90° elbows, tees & crosses; $\pm 1/32$ inch.
- L** = Overall length of fittings; $\pm 1/16$ inch.
- N** = (LAYING LENGTH) Insert bottom to insert bottom or thread bottom; couplings & straight adapters; $\pm 1/16$ inch.

Dimensions of Spiral Barb Ends**STANDARDS & SPECIFICATIONS****• ASTM D 2609**

Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe.



National Sanitation Foundation (NSF®)

Standard 14 Plastic Fittings for Potable Water.

• Material

Spears® Insert Fittings are produced from PVC Type 1, Minimum Cell Classification 12454. CPVC Minimum Cell Classification 23447.

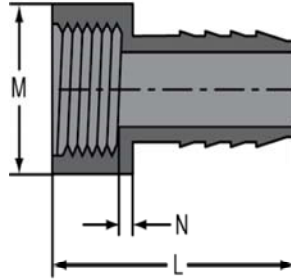
It is the users responsibility to determine the suitability for the intended service application.



Female Adapter - PVC

Fipt x Insert

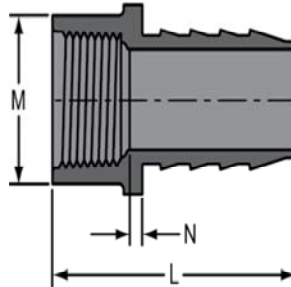
Dimensions Also Applicable to
1435-XXXX CPVC Adapters



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
1435-005	1/2	2-3/8	1-3/16	3/16	.03
1435-007	3/4	2-7/16	1-13/32	1/4	.05
1435-010	1	2-9/16	1-21/32	3/16	.08
1435-012	1-1/4	2-11/16	2-1/8	5/32	.11
1435-015	1-1/2	3-1/16	2-5/16	3/16	.15
1435-020	2	3	2-13/16	3/16	.19

Female Adapter, Reducing - PVC

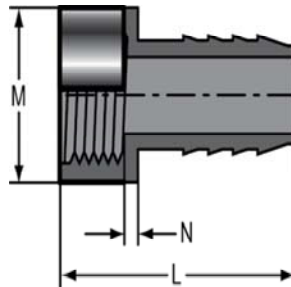
Fipt x Insert



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
1435-074	1/2X3/4	2-3/8	1-1/8	5/32	.03
1435-101	3/4X1/2	2-3/8	1-11/32	5/32	.04
1435-102	3/4X1	2-3/8	1-5/16	5/32	.05
1435-131*	1X3/4	3-25/32	1-5/8	1-11/32	.11

Female Adapter, Special Reinforced - PVC

SR Fipt x Insert



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
1435-005SR	1/2	2-7/16	1-3/32	9/32	.05
1435-007SR	3/4	2-7/16	1-13/32	1/4	.06
1435-010SR	1	2-5/8	1-23/32	1/4	.10