

Pressure Pipe & Fitting System

This specification covers PVC Schedule 80 pipe fittings for pressure applications. This system is intended for pressure applications where the operating temperature will not exceed 140°F.

Pipe and fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784.

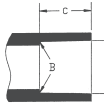
PVC Schedule 80 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785. Injection molded PVC Schedule 80 fittings shall conform to ASTM D 2467. PVC Schedule 80 threaded fittings shall conform to ASTM D 2464. Pipe and fittings shall conform to NSF International Standard 61 or the health-effects portion of NSF Standard 14.

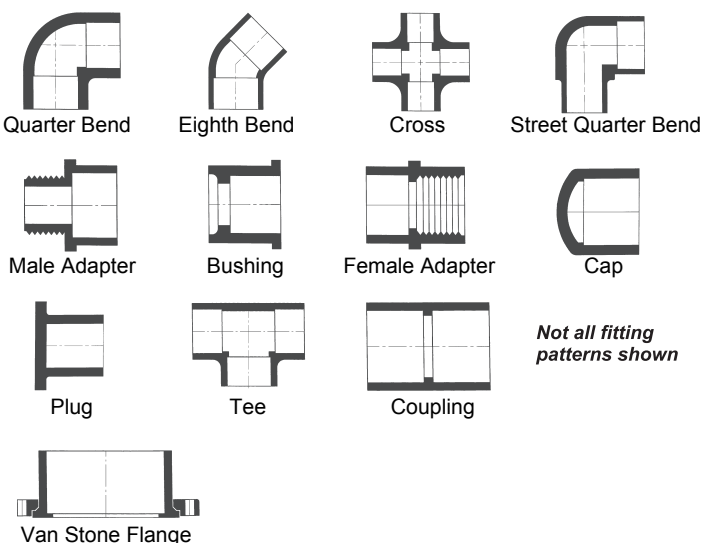
Installation shall comply with the latest installation instructions and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM F 1668 and ASTM D 2774. Solvent cement joints shall be made in a two-step process with primer conforming to ASTM F 656 and a medium- or heavy-bodied solvent cement conforming to ASTM D 2564. The system shall be protected from chemical agents, fire-stopping materials, thread sealant, plasticized-vinyl products or other aggressive chemical agents not compatible with PVC compounds. The system shall be hydrostatically tested after installation.

WARNING! Never test with or transport/store compressed air or gas in PVC pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

ASTM D 1784:	Rigid Vinyl Compounds
ASTM D 1785:	PVC Plastic Pipe, Schedule 80
ASTM D 2464 or D 2467:	PVC Plastic Threaded Fittings, Schedule 80
ASTM D 2467:	PVC Socket Fittings, Schedule 80
ASTM D 2564:	Solvent Cements for PVC Pipe and Fittings
ASTM D 2774:	Underground Installation of Thermoplastic Pressure Piping
ASTM F 1668:	Procedures for Buried Plastic Pipe
NSF Standard 14:	Plastic Piping Components & Related Materials
NSF Standard 61:	Drinking Water System Components - Health Effects

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NSF Standard 14:	Plastic Piping Components & Related Materials
NSF Standard 61:	Drinking Water System Components - Health Effects

Schedule 80 Tapered Socket Dimensions PVC SCHEDULE 80 - ASTM D 2467					
Nominal Size	Schedule 80 and Schedule 40 Socket Diameter			Schedule 80 Socket Length C (Minimum)	Schedule 40 Socket Length C (Minimum)
	Entrance A	Bottom B	Tolerance		
1/2	0.848	0.836	±0.004	0.875	0.688
3/4	1.058	1.046	±0.004	1.000	0.719
1	1.325	1.310	±0.005	1.125	0.875
1-1/4	1.670	1.655	±0.005	1.250	0.938
1-1/2	1.912	1.894	±0.006	1.375	1.094
2	2.387	2.369	±0.006	1.500	1.156
2-1/2	2.889	2.868	±0.007	1.750	1.750
3	3.516	3.492	±0.008	1.875	1.875
4	4.518	6.614	±0.009	2.250	2.000
6	6.647	6.614	±0.011	3.000	3.000
8	8.655	8.610	±0.015	4.000	4.000
10	10.780	10.735	±0.015	5.000	5.000
12	12.780	12.735	±0.015	6.000	6.000



PIPE REFERENCE GUIDE

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