PVC Schedule 40
Pressure Pipe & Fitting System

SCOPE
This specification covers PVC Schedule 40 pipe fittings for pressure applications. This system is intended for pressure applications where the operating temperature will not exceed 140°F.

SPECIFICATION
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 40 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785. Injection molded PVC Schedule 40 fittings shall conform to ASTM D 2466. Pipe and fittings shall conform to NSF International Standard 61 or the health-effects portion of NSF Standard 14.

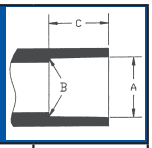
INSTALLATION
Installation shall comply with the latest installation instructions and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM F 1668 or ASTM D 2321. Solvent cement joints shall be made in a two-step process with primer conforming to ASTM F 656 and 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.

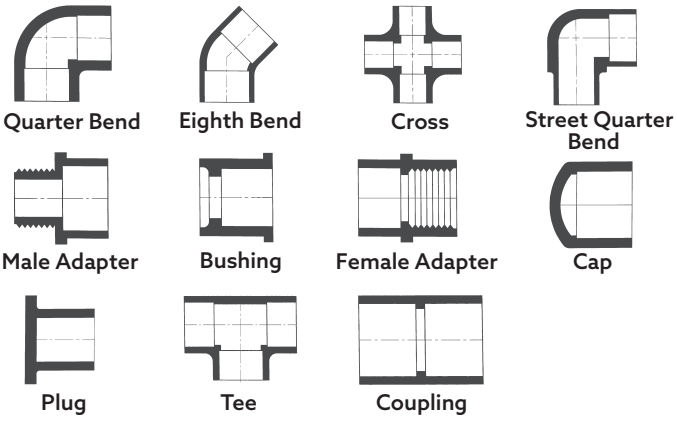
REFERENCED STANDARDS
ASTM D1784: Rigid Vinyl Compounds
ASTM D1785: PVC Plastic Pipe, Schedule 40
ASTM D2466: PVC Plastic Fittings, Schedule 40
ASTM D2564: Solvent Cements for PVC Pipe and Fittings
ASTM F1668: Procedures for Buried Plastic Pipe
ASTM D2665: PVC Drain, Waste and Vent Fittings (DWV)

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

Schedule 40 Tapered Socket Dimensions
PVC SCHEDULE 40 - ASTM D 2466



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



Not all fitting patterns shown

PIPE REFERENCE GUIDE

	Sizes Available														
Product	1/2	3/4	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16
PVC Schedule 40	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•