

PVC Schedule 40 Pressure Fittings used in conjunction with Schedule 40 Pressure Pipe are ideal for the transmission of potable water and many chemical solutions not exceeding 130°F. PVC Schedule 40 fittings have a smooth interior surface that minimizes head pressure loss through friction. The smooth interior also minimizes rust and oxidation and makes the fittings generally impervious to scaling or contamination buildup. PVC piping systems are not adversely affected by environmental agents and buried systems are not adversely affected by normal soil contaminants. The life expectancy of Schedule 40 piping systems far exceeds that of metal and required maintenance is simpler and less costly. The inherent insulating qualities provide substantial benefits in temperature control.

Installation costs are minimized through the use of PVC Schedule 40 fittings since the materials are generally lower in cost, lightweight and easier to handle. Joining is accomplished through solvent cementing (threading or flanging using Schedule 80).

**CAUTION:** PVC Schedule 40 Pressure Fittings are not recommended for use in compressed air or gas systems.

**NOTES:**

- See page B-67 for pressure ratings.
- Please refer to the individual manufacturer’s literature for joining and installation recommendations.
- Schedule 40 Pressure Pipe can be found in Section A.
- Valves used with Schedule 40 pipe and fittings can be found in Section C.

**SHORT SPEC:**

PVC Schedule 40 Pressure Fittings shall be moulded or fabricated from PVC compatible with the pipe material (Type 1, Grade 1 PVC conforming to ASTM D1785). Fittings shall be capable of withstanding the burst pressure of the pipe.

All fittings shall be socketed type, manufactured in accordance with ASTM D2466 or ASTM D2467.

PVC pipe and socketed fittings shall be joined by cold welding through the use of solvent-based cements manufactured in accordance with ASTM D2564. Joints shall be made in accordance with the pipe manufacturer’s recommendations and generally in conformity with the recommended practice for making solvent-cemented joints described in ASTM D2855.

**SCHEDULE 40 FITTING ABBREVIATIONS**

- S ..... Socket (slip) Joint (designed to slip over the end of beveled pipe or fitting with spigot end)
- SP ..... Spigot End (beveled end designed to push into a socket or slip joint)
- FEIP ..... Female Iron Pipe Threads
- MIP ..... Male Iron Pipe Threads



**MALE ADAPTOR (S X MIP)**

SIZE	PRODUCT NUMBER
½"	73070
¾"	73127
1"	73194
1¼"	73275
1½"	73360
2"	73460
2½"	73645
3"	73740
4"	73875
6"	74036
8"	74100

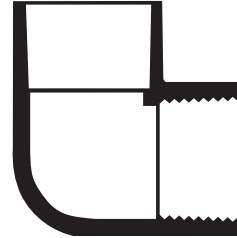


**FEMALE ADAPTOR (S X FEIP)**

SIZE	PRODUCT NUMBER
½"	73074
¾"	73133
1"	73201
1¼"	73281
1½"	73366
2"	73468
2½"	73649
3"	73743
4"	73878
6"	74039
8"	74103

# Water, Sewer & Drain Fittings B-64

# PVC Schedule 40 Pressure Fittings



<b>90° ELBOW (S X S)</b>	SIZE	PRODUCT NUMBER
	½"	73082
	¾"	73139
	1"	73210
	1¼"	73287
	1½"	73373
	2"	73476
	2½"	73657
	3"	73749
	4"	73884
6"	74045	
8"	74109	

<b>90° ELBOW (S X FEIP)</b>	SIZE	PRODUCT NUMBER
	½"	73086
	¾"	73145
	1"	73216
	1¼"	73293
	1½"	73377
	2"	73480
	2½"	NS
	3"	73752
	4"	73887
6"	NS	
8"	NS	

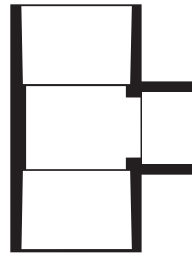


<b>45° ELBOW (S X S)</b>	SIZE	PRODUCT NUMBER
	½"	73098
	¾"	73157
	1"	73226
	1¼"	73302
	1½"	73386
	2"	73488
	2½"	73660
	3"	73755
	4"	73890
6"	74048	
8"	74112	

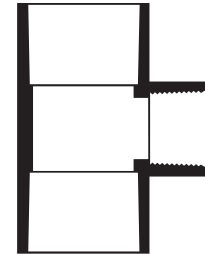
# Water, Sewer & Drain Fittings B-65

# PVC Schedule 40 Pressure Fittings

**B**



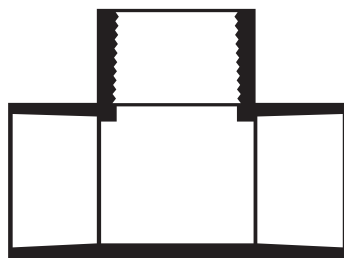
**S x S x S**



**S x S x FEIP**

<b>STRAIGHT TEE (S X S X S)</b>	SIZE	PRODUCT NUMBER
	½"	73106
	¾"	73164
	1"	73232
	1¼"	73311
	1½"	73396
	2"	73500
	2½"	73667
	3"	73770
	4"	73910
6"	74055	
8"	74125	

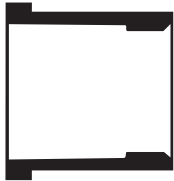
<b>REDUCING TEES</b>		
SIZE (inches)	PRODUCT NUMBER	
	S X S X S	S X S X FEIP
¾ x ½	73167	73173
1 x ½	73192	73193
1 x ¾	73235	73241
1¼ x ¾	73317	73326
1¼ x 1	73314	73323
1½ x ¾	37405	73415
1½ x 1	73402	73412
1½ x 1¼	73399	73400
2 x ¾	73583	73584
2 x 1	73580 1	73580
2 x 1¼	73564	73565
2 x 1½	73560	73576
2½ x ¾	73693	73692
2½ x 1	73680	73681
2½ x 1¼	73676	73677
2½ x 1½	73673	NS
2½ x 2	73670	NS
3 x ¾	73809	73810
3 x 1	73787	73788
3 x 1¼	73785	73786
3 x 1½	73780	73781
3 x 2	73776	73777
3 x 2½	NS	NS
4 x ¾	NS	NS
4 x 1	73918 1	73918
4 x 1¼	NS	NS
4 x 1½	73920	73921
4 x 2	73919	73919 1
4 x 2½	NS	NS
4 x 3	73913	73914
6 x 2	74064	74065
6 x 3	74062	74063
6 x 4	74060	74061
8 x 3	74126	NS
8 x 4	74130	74131
8 x 6	NS	NS



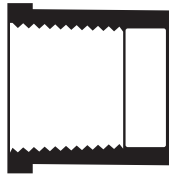
<b>STRAIGHT TEE (S X S X FEIP)</b>	SIZE	PRODUCT NUMBER
	½"	73110
	¾"	73170
	1"	73238
	1¼"	73320
	1½"	73408
	2"	73572
	2½"	NS
	3"	73790
	4"	73911
6"	NS	
8"	NS	

# Water, Sewer & Drain Fittings B-66

# PVC Schedule 40 Pressure Fittings



**SP x S**



**SP x FEIP**



REDUCING BUSHINGS		
SIZE	PRODUCT NUMBER	
	SP X S	SP X FEIP
3/4 x 1/2	73185	73188
1 x 1/2	73257	73263
1 x 3/4	73254	73260
1 1/4 x 1/2	73342	73343
1 1/4 x 3/4	73341	73348
1 1/4 x 1	73338	73345
1 1/2 x 3/4	73433	73442
1 1/2 x 1	73430	73439
1 1/2 x 1 1/4	73427	73436
2 x 1/2	73628	73627
2 x 3/4	73610	73626
2 x 1	73606	73622
2 x 1 1/4	73602	73618
2 x 1 1/2	73598	73614
2 1/2 x 1 1/4	73707	73721
2 1/2 x 1 1/2	73704	73718
2 1/2 x 2	73701	73715
3 x 3/4	73855	73856
3 x 1	73854	73853
3 x 1 1/4	73845	73845 1
3 x 1 1/2	73827	73846
3 x 2	73824	73843
3 x 2 1/2	73821	73840
4 x 1 1/2	73958	NS
4 x 2	73957	73971
4 x 2 1/2	73954	73955
4 x 3	73951	73965
6 x 2	NS	NS
6 x 3	NS	NS
6 x 4	74090	74095
8 x 4	74148	NS
8 x 6	74145	NS

COUPLING (S X S)	SIZE	PRODUCT NUMBER
	1/2"	73078
	3/4"	73136
	1"	73207
	1 1/4"	73284
	1 1/2"	73370
	2"	73472
	2 1/2"	73653
	3"	73746
	4"	73881
6"	74042	
8"	74106	



CROSS (S x S x S x S)	SIZE	PRODUCT NUMBER
	1/2"	73102
	3/4"	73161
	1"	73229
	1 1/4"	73305
	1 1/2"	73389
	2"	73492
	2 1/2"	73699
	3"	73759
	4"	73893
6"	NS	
8"	NS	

NS – Non-stock items are available by special order.

# Water, Sewer & Drain Fittings B-67

# PVC Schedule 40 Pressure Fittings

**B**



<b>CAP (Socket)</b>	SIZE	PRODUCT NUMBER
	½"	73114
	¾"	73176
	1"	73245
	1¼"	73329
	1½"	73418
	2"	73588
	2½"	73695
	3"	73814
	4"	73945
6"	74080	
8"	74140	

<b>PLUG (MIP)</b>	SIZE	PRODUCT NUMBER
	½"	73122
	¾"	73182
	1"	73251
	1¼"	73335
	1½"	73424
	2"	73595
	2½"	73698
	3"	73818
	4"	73948
6"	74085	
8"	74141	



<b>CAP (FEIP)</b>	SIZE	PRODUCT NUMBER
	½"	73118
	¾"	73179
	1"	73248
	1¼"	73332
	1½"	73421
	2"	73592
	2½"	NS
	3"	73815
	4"	73946
	6"	NS
	8"	NS

## Schedule 40 Pressure Ratings

Maximum water pressure ratings for PVC Schedule 40 fittings at 73°F are listed in the following chart.

<b>SCHEDULE 40 PRESSURE RATINGS</b>	PRESSURE RATING (psi) @ 73°F		
	SIZE	SOCKET FITTINGS	THREADED FITTINGS
	½"	600	300
	¾"	480	240
	1"	450	225
	1¼"	370	185
	1½"	330	165
	2"	280	140
	2½"	300	150
	3"	260	130
	4"	220	110
	6"	180	90
8"*	150	80	
10"*	120	—	
12"*	100	—	

- \* 8" Socket caps 120 psi
- \* 10" Socket caps 100 psi
- \* 12" Socket caps 60 psi