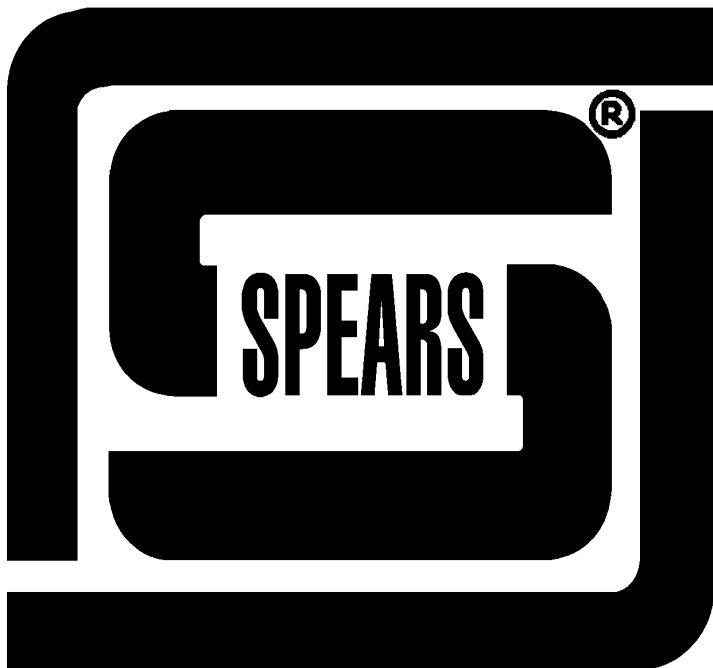


Discount Codes: 310 PVC 80 PSI PIP Fabricated Fittings _____
320 PVC 100 PSI PIP Fabricated Fittings _____
330 PVC 125 PSI PIP Fabricated Fittings _____



**PVC
80, 100 & 125 PSI
PIP
FABRICATED
FITTINGS**



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PRICE SCHEDULE PIP-1-0200
Effective February 28, 2000
Supersedes PIP-1-0699

Pipe Dimension Reference Chart

Pipe Type O.D. Size SDR		LH PIP 91	80 PIP 51	100 PIP 41	125 PIP 32.5	CL 63 IPS 64	CL 100 IPS 41	SEWER PSM 35	CL 125 IPS 32.5	CL 160 IPS 26	CL 200 IPS 21	40 DWV IPS —	80 DWV IPS —	SCH 40 IPS —	SCH 80 IPS —	C-900 CI DR 18
4"	O.D.	4.130	4.130	4.130	4.130	4.500	4.500	4.215	4.500	4.500	4.500	4.500	4.500	4.500	4.500	4.800
	I.D.	4.000	3.968	3.928	3.876	4.360	4.280	3.89	4.224	4.154	4.072	3.998	3.786	3.998	3.786	4.416
	Wall	.065	.081	.101	.127	.070	.110	0.125	.138	.173	.214	.237	.337	.237	.337	.192
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	220	320	150
6"	O.D.	6.140	6.140	6.140	6.140	6.625	6.625	6.275	6.625	6.625	6.625	6.625	6.625	6.625	6.625	6.900
	I.D.	6.000	5.898	5.840	5.762	6.417	6.301	5.742	6.217	6.115	5.993	6.031	5.709	6.031	5.709	6.348
	Wall	.070	.121	.150	.189	.104	.162	0.18	.204	.255	.316	.280	.432	.280	.432	.276
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	180	280	150
8"	O.D.	8.160	8.160	8.160	8.160	8.625	8.625	8.4	8.625	8.625	8.625	8.625	8.625	8.625	8.625	9.050
	I.D.	7.984	7.840	7.762	7.658	8.355	8.205	7.665	8.095	7.961	7.805	7.943	7.565	7.943	7.565	8.326
	Wall	.088	.160	.199	.251	.135	.210	.024	.265	.332	.410	.322	.500	.322	.500	.362
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	160	250	150
10"	O.D.	10.200	10.200	10.200	10.200	10.750	10.750	10.5	10.750	10.750	10.750	10.750	10.750	10.750	10.750	11.100
	I.D.	9.980	9.800	9.702	9.572	10.414	10.226	9.563	10.088	9.924	9.748	9.976	9.492	9.976	9.492	10.212
	Wall	.110	.200	.249	.314	.168	.262	0.3	.331	.413	.511	.365	.593	.365	.593	.444
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	140	230	150
12"	O.D.	12.240	12.240	12.240	12.240	12.750	12.750	12.5	12.750	12.750	12.750	12.750	12.750	12.750	12.750	13.200
	I.D.	11.975	11.760	11.642	11.486	12.352	12.128	11.361	11.966	11.770	11.538	11.890	11.294	11.890	11.294	12.144
	Wall	.132	.240	.299	.377	.199	.311	0.36	.392	.490	.606	.406	.687	.406	.687	.528
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	130	230	150
14"	O.D.	14.280	14.280	14.280	14.280	*	*	*	*	14	*	14.000	14.000	14.000	14.000	15.3
	I.D.	14.000	13.720	13.584	13.402	*	*	*	*	12.86	*	13.072	12.410	13.072	12.410	13.5
	Wall	.140	.280	.348	.439	*	*	*	*	0.538	*	.438	.750	.438	.750	0.85
	PSI	43	80	100	125	*	*	*	*	160	*	100	100	130	220	150
15"	O.D.	15.300	15.300	15.300	15.300	*	*	15.3	*	*	*	*	*	*	*	*
	I.D.	14.970	14.700	14.550	14.358	*	*	13.898	*	*	*	*	*	*	*	*
	Wall	.165	.300	.375	.471	*	*	0.44	*	*	*	*	*	*	*	*
	PSI	43	80	100	125	*	*	117.5	*	*	*	*	*	*	*	*
16"	O.D.	*	*	*	*	*	*	*	*	16	*	16.000	16.000	16.000	16.000	17.4
	I.D.	*	*	*	*	*	*	*	*	14.696	*	14.940	14.214	14.940	14.214	15.36
	Wall	*	*	*	*	*	*	*	*	0.615	*	.500	.843	.500	.843	0.967
	PSI	*	*	*	*	*	*	*	*	160	*	100	100	130	220	150
18"	O.D.	18.360	18.701	18.701	18.701	*	18.000	18.701	*	18.000	*	18	18.000	18	18.000	19.5
	I.D.	17.964	17.967	17.789	17.551	*	17.122	17.629	*	16.616	*	16.808	16.014	16.808	16.014	17.2
	Wall	.198	.367	.456	.575	*	.439	0.536	*	.692	*	0.562	.937	0.582	.937	1.083
	PSI	43	80	100	125	*	100	117.5	*	160	*	100	100	120	220	150
20"	O.D.	20.400	*	*	*	*	20.000	*	*	20.000	*	20	20	20	20	21.6
	I.D.	19.962	*	*	*	*	19.026	*	*	18.462	*	18.863	17.814	18.863	17.614	19.06
	Wall	.219	*	*	*	*	.487	*	*	.769	*	0.533	1.031	0.533	1.031	1.2
	PSI	43	*	*	*	*	100	*	*	160	*	100	100	120	220	150
21"	O.D.	*	22.047	22.047	22.047	*	*	22.047	*	*	*	*	*	*	*	*
	I.D.	*	21.183	20.971	20.691	*	*	20.783	*	*	*	*	*	*	*	*
	Wall	*	.432	.538	.678	*	*	0.632	*	*	*	*	*	*	*	*
	PSI	*	80	100	125	*	*	117.5	*	*	*	*	*	*	*	*
24"	O.D.	*	24.803	24.803	24.803	*	24.000	24.8	*	24	*	24	24	24	24	*
	I.D.	*	23.831	23.593	23.277	*	22.748	23.381	*	22.043	*	22.54	21.418	22.54	21.418	*
	Wall	*	.486	.605	.763	*	.585	0.711	*	0.923	*	0.687	1.218	0.687	1.218	*
	PSI	*	80	100	125	*	100	117.5	*	160	*	100	100	120	210	*

* Information Not Available

— PLEASE NOTE —

Not all of the Fabricated Fittings listed in this price schedule are carried in Spears Distribution Center inventories. When ordering Fabricated Fittings, please check with your servicing Distribution Center for availability. ALL ORDERS FOR NON-STOCKED Fabricated Fittings are NON-CANCELABLE and NON-RETURNABLE.

Part Numbers ending with: **PXI** = PIP x IPS Dimensions
P = PIP Dimensions

All PIP fabricated fittings showing dimensions of 4" or under have IPS Dimensions.

Prices subject to change without notice. Possession of this price schedule shall not be construed as an offer to sell the products listed.
 Product drawings are representative and may not fully reflect product configurations.

INSTALLATION INFORMATION

RECOMMENDATIONS FOR INSTALLERS AND USERS:

Plastic piping systems should be **ENGINEERED, INSTALLED, and OPERATED** in accordance with **ESTABLISHED DESIGN AND ENGINEERING STANDARDS AND PROCEDURES** for plastic piping systems. Suitability for the intended service application should be determined by the installer and/or user prior to installation of a plastic piping system. **PRIOR TO ASSEMBLY**, all piping system components should be inspected for damage or irregularities. Mating components should be checked to assure that tolerances and engagements are compatible. Do not use any components that appear irregular or do not fit properly. Contact the appropriate manufacturer of the component product in question to determine usability.

SOLVENT WELD CONNECTIONS—Use a quality grade of primer and solvent cement formulated for the type of connection, with the **CORRECT SIZE APPLICATOR**. Read and follow all of the solvent cement **MANUFACTURER'S APPLICATION AND CURE TIME INSTRUCTIONS THOROUGHLY**.

BEFORE APPLYING PRIMER AND CEMENT, appropriate safety precautions should be taken. Primer and Cement should be stored in the shade between 40°F and 110°F. Eliminate all ignition sources. Avoid breathing of vapors. Use only with adequate ventilation; explosion-proof general mechanical ventilation or local exhaust is recommended to maintain vapor concentrations below recommended exposure limits. In confined or partially enclosed areas, a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. Containers should be kept tightly closed when not in use, and covered as much as possible when in use. Avoid frequent contact with skin; wearing PVA coated protective gloves and impervious apron are recommended. Avoid any contact with eyes; splash-proof chemical goggles are recommended.

THREADED CONNECTIONS — Use a quality grade thread sealant. **WARNING: SOME PIPE JOINT COMPOUNDS OR TEFLON PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC.** Spears Manufacturing Company recommends the use of **Spears BLUE 75** thread sealant which has been tested for compatibility with Spears products. Please follow the sealant manufacturers' application/ installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond **FINGER TIGHT** is generally all that is required to make a sound plastic threaded connection. Unnecessary **OVERTIGHTENING** will cause **DAMAGE TO BOTH PIPE AND FITTING**.

IMPORTANT

WATER HAMMER — Spears Manufacturing Company, Inc., recommends that all PVC and CPVC plastic piping systems be designed and constructed to **AVOID EXCESSIVE WATER HAMMER**. Water hammer can cause damage, and failure to pipe, valves, and fittings within the piping system.

CAUTION — Spears Manufacturing Company **DOES NOT RECOMMEND** the use of thermoplastic piping products for systems to transport or store compressed air or gases, or the testing of thermoplastic piping systems with compressed air or gases in above and below ground locations. The use of Spears products in compressed air or gas systems automatically voids Spears warranty for such products, and their use against our recommendation is entirely the responsibility and liability of the installer. Spears Manufacturing Company will not accept responsibility for damage or impairment of its products, or other consequential or incidental damages caused by misapplication, incorrect assembly, and/or exposure to harmful substances or conditions.

PLEASE NOTE — When temperatures rise above 73°F, the tensile strength of thermoplastics decreases, thereby derating the pipe or fitting Maximum Internal Pressure. When temperatures fall below 73°F, the tensile strength of thermoplastics increases, however, the impact strength decreases. Maximum operating temperatures for PVC piping systems should not exceed 140°F. Maximum operating temperatures for CPVC piping systems should not exceed 200°F .

NOT FOR USE WITH COMPRESSED AIR OR GAS.

WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING AND COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY.

THIS PRODUCT IS ONLY TO BE USED FOR IT'S INTENDED PURPOSE.

