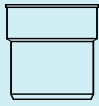
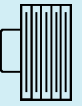
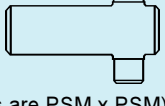



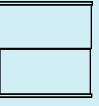

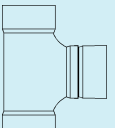
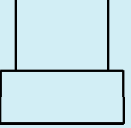


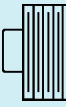
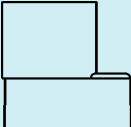




4" - 27" SOLVENT WELD SEWER FITTINGS

Fittings are manufactured to ASTM D 3034 SDR 35, ASTM F 679 and ASTM F 1336 specifications.

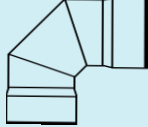
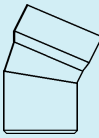
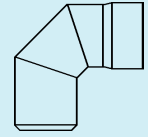

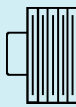
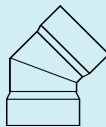
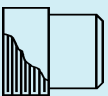
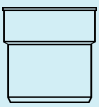
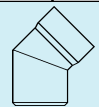
Solvent Weld SDR35 Sewer Fittings

SIZE	PART NUMBER	CTN/ CRATE	LB/100	LIST PRICE	SIZE	PART NUMBER	CTN/ CRATE	LB/100	LIST PRICE	SIZE	PART NUMBER	CTN/ CRATE	LB/100	LIST PRICE		
IPS HUB x SEWER SPIGOT ADAPTER 					SMART PLUG 					INSIDE DROP MANHOLE CROSS PSM x IPS  (Size on Size Drop Crosses are PSM x PSM)						
4*	230-0004	36/600	45	13.46	4*	228-0004DM			on req.	4x3	250-0043	1	614	190.10		
6*	230-0006	24/245	136	23.75	6*	228-0006DM			on req.	5x4	250-0054	1	771	311.33		
8	230-0008	12	376	58.26	8*	228-0008DM			on req.	6x4	250-0064	1	749	355.88		
10	230-0010	6	698	75.49	FIPT x SEWER SPIGOT ADAPTER 					6x6	250-0066	1	775	367.60		
12	230-0012	4	1078	103.81						8x4	250-0084	1	1238	560.25		
4x6*	230-0064	12	116	23.75						8x6	250-0086	1	1360	589.43		
IPS SPIGOT x SEWER HUB ADAPTER 										4*	229-0004	36	66	4.28	10x4	250-0104
					6*	229-0006	13/180	136	27.03	10x6	250-0106	1	1991	1,587.58		
					8	229-0008	6	410	94.37	10x8	250-0108	1	2167	1,700.67		
4*	231-0004	44	20	5.29	COUNTERSUNK MIPT PLUG 					10x10	250-1010	1	2279	2,206.48		
6*	231-0006	18/160	132	22.79						12x4	250-0124	1	2588	1,571.54		
8	231-0008	8	546	62.01						12x6	250-0126	1	2748	1,811.77		
10	231-0010	4	904	76.79						12x8	250-0128	1	2946	1,938.54		
12	231-0012	2	1366	121.03	4*	234-0004	96	20	6.42	12x10	250-1210	1	3174	2,141.59		
IPS HUB x SEWER HUB ADAPTER 					6*	234-0006	40	51	19.92	12x12	250-1212	1	3328	2,545.11		
					EXTRA HEAVY CAST IRON HUB x SEWER HUB ADAPTER  Service Weight Available					TWO WAY CLEANOUT TEE HxHxH 						
4*	232-0004	36/576	37	6.77	4	238-0004	18	76	18.47						4*	293-0444
6*	232-0006	18/168	135	22.25	6	238-0006	15	197	26.34	**DOWNSPOUT ADAPTER 						
8	232-0008	10	403	62.01	With O Ring (must specify)											
10	232-0010	4	734	77.73	4	238-0004			24.55							
12	232-0012	20	1197	107.01	6	238-0006			41.49							
3x4*	232-0034	36	44	5.27	EXTRA HEAVY CAST IRON HUB x SEWERSPIGOT ADAPTER  Service Weight Available					2x3x3*	291-0233	42	27	4.92		
FIPT x SEWER HUB ADAPTER 										4	239-0004	18	76	12.90	2x3x4*	291-0234
					6*	227-0006	13/180	131	26.00	6	239-0006	25	197	26.34	3x4x3*	291-0343
8*	227-0008	6/100	245	82.00	With O Ring (must specify)					3x4x4*	291-0344	24	38	9.04		
RAISED MIPT PLUG 					4	239-0004				22.25	4x6x6*	291-0466	15	110	24.79	
					6	239-0006					39.93	**FLUSH MOUNT DOWNSPOUT ADAPTER 				
										2x3x3*	292-0233					
4*	228-0004	72	23	3.08						2x3x4*	292-0234	30	36	4.31		
6*	228-0006	32	55	14.55						3x4x4*	292-0344	24	39	7.72		
8*	328-0008	15	144	57.60						4x6x6*	292-0466	15	103	24.79		



4" - 24" SOLVENT WELD SCHEDULE 40 DWV FITTINGS

Fittings are manufactured to ASTM F 1866 specification.
To be used for non-pressure drainage applications only.

SIZE	PART NUMBER	CTN/ CRATE	LB/100	LIST PRICE	SIZE	PART NUMBER	CTN/ CRATE	LB/100	LIST PRICE	SIZE	PART NUMBER	CTN/ CRATE	LB/100	LIST PRICE										
30 DEGREE EL HxH					90 DEGREE EL HxH 					46-89 DEGREE FABRICATED EL HxH and SxH (give size and angle when placing order) Non-Returnable														
16	361-0016			544.11						4	340-04			72.11										
18	361-0018			649.30						6	340-06			133.81										
20	361-0020			1,174.29						8	340-08			193.20										
24	361-0024			1,690.78						10	340-10			359.50										
30 DEGREE EL SxH 					12	323-0012	3	2830	329.00	12	340-12			540.98										
4	362-0004			26.12	14	323-0014	1	3720	533.19	14	340-14			776.84										
6	362-0006			59.82	16	323-0016	1	5400	799.51	16	340-16			976.94										
8	362-0008			115.87	18	323-0018	1	11900	989.60	18	340-18			1,209.18										
10	362-0010			186.19	20	323-0020		14800	1,437.63	20	340-20			1,756.63										
12	362-0012			257.00	24	323-0024		22700	1,991.04	24	340-24			1,873.30										
14	362-0014			503.08	90 DEGREE EL SxH 					FIPT x SCH 40 HUB ADAPTER 														
16	362-0016			544.11						4*	324-0004	12/200	176	18.06	4*	327-0004	36	80	9.45					
18	362-0018			649.30						6*	324-0006	7/60	426	41.94	6	327-0006	15	269	30.79					
20	362-0020			1,174.29						8*	324-0008	6/30	819	99.71	8*	327-0008	6/100	296	106.59					
24	362-0024			1,690.78						10**	324-0010	2	1925	213.85	RAISED MIPT PLUG 									
45 DEGREE EL HxH 					12	324-0012	3	2830	329.00															
4*	321-0004	15/250	147	8.54	14	324-0014	1	3720	533.19															
6*	321-0006	12/90	315	39.47	16	324-0016	1	5400	789.99															
8*	321-0008	4/45	580	90.65	18	324-0018	1	11900	980.35															
10**	321-0010	2	1395	179.25	20	324-0020		14600	1,437.63	4*	328-0004	72	40	4.72										
12	321-0012	2	2038	246.65	24	324-0024		22400	1,991.04	6*	228-0006	32	55	14.55										
14	321-0014	1	2720	503.08	1-44 DEGREE FABRICATED EL HxH and SxH (give size and angle when placing order) Non-Returnable					FIPT x SCH 40 SPIGOT ADAPTER 														
16	321-0016	2	3990	544.11											4	319-04			60.08	4*	329-0004	24	95	11.85
18	321-0018	1	8038	741.01											6	319-06			108.79	6	329-0006	15	520	26.59
20	321-0020	1	10092	1,136.63											8	319-08			183.08	8	329-0008	12/13	520	120.21
24	321-0024	1	15596	1,633.07											10	319-10			283.37	IPS HUB x SEWER SPIGOT ADAPTER 				
45 DEGREE EL SxH 					12	319-12			403.54															
4*	322-0004	16/250	139	10.34	14	319-14			614.78															
6*	322-0006	12/100	300	39.47	16	319-16			664.83															
8	322-0008	5/60	833	90.65	18	319-18			793.42															
10**	322-0010	4	1395	179.40	20	319-20			1,434.83	4*	230-0004	36/600	45	13.46										
12	322-0012	2/10	2038	274.92	24	319-24			2,065.94	6*	230-0006	24/245	136	23.75										
14	322-0014	1	2720	491.17						8	230-0008	12	376	58.26										
16	322-0016	2	3990	544.11						10	230-0010	6	698	75.49										
18	322-0018	1	7900	732.92						12	230-0012	4	1078	103.81										
20	322-0020	1	9800	1,136.63						4X6*	230-0064	12	116	23.75										
24	322-0024	1	15300	1,633.07																				

Solvent Weld Schedule 40 Fittings

*DENOTES MOLDED FITTING. ALL OTHERS ARE FABRICATED.
** NEW MOLD ARRIVING 4TH QUARTER OF 2006.



SDR35 D 3034 / PS46 F 679 FITTING SPECIFICATIONS

- 1.0 **GPVC Sewer Fittings** shall be manufactured in accordance with either ASTM D 3034, F 1336 or F 679. The PVC material shall have a minimum cell classification of 12454, 13343 or 12364 as defined in ASTM D 1784.
- 2.0 The **purpose** of GPK in-line fittings is to convey municipal sanitary and industrial wastes, storm water runoff and many other related applications. They are designed to be used in gravity flow and low pressure applications not to exceed 10.8 psi (74.5 kPa).
- 3.0 **Injection Molded Fittings** are produced in sizes 4" (100mm) through 12" (300mm) diameter. **Fabricated Fittings** are produced in sizes 4" (100mm) through 36" (973mm) diameter. A fabricated fitting is considered any fitting made from pipe or a combination of pipe and molded components.
- 4.0 **Chemical Resistance.** GPK fittings resist attack from certain alcohols, alkalies, salt solutions, acids and other types of chemicals. Refer to chemical resistance chart for suitability.
- 5.0 **Marking.** GPK fittings shall be marked with applicable size, "PVC", company name or logo, PSM and the ASTM specification number (D 3034, F 1336 or F 679). The fittings and/or packaging shall include the manufacturer's date and shift code.
- 6.0 **Testing.** A test after installation of either low pressure air (Uni-B-6) or a water infiltration-exfiltration test is recommended.
- 7.0 **Deflection Test.** The maximum allowable pipe fitting deflection should be 7 1/2% of base ID as shown in Table X1.1 of D 3034, and X2.1 of F 679.
- 8.0 **Backfilling and Tamping.** Backfilling should follow closely after assembly of pipe and fittings.
 - 8.1 **Backfilling** with proper material is important to achieve desired density in haunching area which enables pipe, fitting and soil to work together to meet designed load requirements. This eliminates excess deflection and shear breaks due to heavy loads. Approved material shall be used properly, compacted continuously above and around the pipe and fittings as well as between the fitting and trench wall. A cushion of approved material up to a minimum of 12" (305mm) over the fittings and between the trench walls shall be applied in accordance with the engineers' specifications.
 - 8.2 **Tamping.** This shall be done by hand tamping of the embedment material between the trench wall of the service line fitting and riser connection. Tamping can also be done by mechanical tampers or by using water to consolidate the embedment material. **Extreme unstable ground conditions** may require wider trenches to enable you to compact a larger area around the pipe and fittings to the density consistent of the original ground surface conditions.
- 9.0 **Service Lines.** Normally, service lines from the property line to the collection sewer should be a minimum depth of 3 feet (1 meter) at the property line and should be laid in straight alignment and uniform slope of not less than 1/4" per foot (20.8mm/meter) for 4" (100mm) nominal pipe and 1/8" (10.4mm/meter) per foot for 6" (150mm) pipe. Where collection sewers are deeper than 7 feet (2 meters) a vertical standpipe or stack is permitted but not recommended, consult the project engineer for proper installation details. Deep sewer chimney and risers necessitate extreme care during backfilling. Where surface loading is anticipated the final backfill must be compacted to a density compatible with those surface loads to be encountered.
 - 9.1 **Backfilling around pipe service laterals on slope.** Extra attention should be given on slopes to prevent the newly backfilled trench from becoming a "French Drain." Before backfilling completely there is a tendency for ground and surface water to follow the direction of the looser soil. This flow may wash out soil from under or around pipe and branch line fittings, reducing or eliminating the support needed. To avoid this problem the backfilling should be of greater compaction. Tamping should be done in 4" (100mm) layers and continued in this manner all the way up to ground or surface line of the trench. Concrete collars or other concrete poured around the fitting to stabilize unwanted movement is recommended to prevent water from undercutting the underside of the pipe and fittings.

SUMMARY: Due to various ground conditions and different situations, installation techniques vary widely. We warranty our products to be free of manufacturer's defects. We will not replace the products that are installed or used incorrectly. The design of the systems that our product is used in is a factor that cannot be overlooked.