

SOLVENT WELD SEWER & DRAIN PIPING SYSTEMS

3" - 6" (75mm - 150mm)

PVC Solvent Weld

IPEX offers an engineered integral PVC sewer and drainage system. PVC solid sewer pipe is used for the collection of domestic waste and storm water. PVC perforated sewer pipe is used for septic fields and foundation drainage. The solvent weld assembly method offers tight joints, eliminating infiltration, exfiltration and root infestation. A complete line of solvent weld sewer fittings is available for use with our pipe. IPEX PVC solvent weld pipe and fittings are available in nominal sizes from 3" to 6" (75mm to 150mm).

ADVANTAGES

- 1 Costs Less to Operate**

A plastic sewer system costs less to operate and maintain because it has greater flow capacity per given size and fewer joints. The pipe is flexible enough to conform to shifts and setting caused by unstable soil conditions or traffic without cracking, breaking or opening of the joints.
- 2 Greater Hydraulic Efficiency**

PVC has the smoothest flow surface of any piping material today resulting in a Manning flow coefficient, N of .009. As a result, the pipe will not be susceptible to blockages and will maintain a high flow capacity over the life of the pipeline. The BDS piping will outperform corrugated interior tubing products in flow capacity and structural performance, especially in perimeter drain applications.
- 3 Life Cycle**

The economic life cycle of a PVC sewer system is projected at more than 50 years.

APPLICATIONS

- Building sanitary or storm drain lines
- Foundation perimeter drains
- Septic field distribution piping

STANDARDS



BDS sewer pipe is available in Standard Spec or third-party certified to CSA B182.1 or BNQ 3624-050 and conforms to ASTM.

BDS fittings, made to SDR35 wall, are third party certified to CSA B182.2 and BNQ 3624-130 and conform to ASTM D2729.

DID YOU KNOW?

No other pipe approaches BDS plastic pipe in terms of low weight per foot ratio to strength. The light-weight section reduces manpower needs, reduces equipment handling cost, and freight cost.



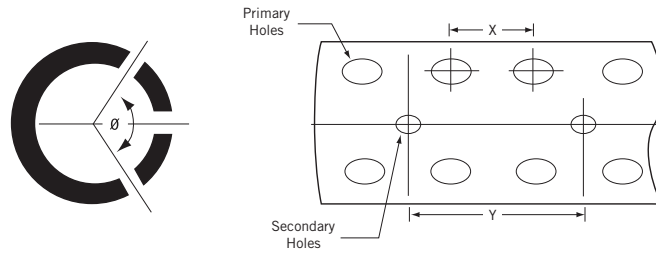
DIMENSIONS

IPEX BDS Solid Wall Sewer Pipe – Dimensions									
Nominal Pipe Size		Average Outside Diameter		Standards	Minimum Wall Thickness		Minimum Stiffness		
inches	mm	inches	mm		inches	mm	psi	kpa	
3	75	3.2	82.5	CSA B182.1 - SDR35	.093	2.36	46	320	
4	100	4.2	107.0	CSA B182.1 - SDR35	.120	3.06	46	320	
6	150	6.3	159.4	CSA B182.1 - SDR35	.179	4.55	46	320	
3	75	3.2	82.5	CSA B182.1 - Western Canada	.093	2.36	46	320	
4	100	4.2	107.0	CSA B182.1 - Western Canada	.115	2.92	46	320	
6	150	6.3	159.4	CSA B182.1 - Western Canada	.171	4.35	46	320	
3	75	3.2	82.5	CSA B182.1-SDR38 (Nova Scotia Spec)	.093	2.36	40	275	
4	100	4.2	107.0	CSA B182.1-SDR38 (Nova Scotia Spec)	.114	2.90	40	275	
6	150	6.3	159.4	CSA B182.1-SDR38 (Nova Scotia Spec)	.165	4.19	40	275	
3	75	3.2	82.5	ASTM D2729	.070	1.78	19	131	
4	100	4.2	107.0	ASTM D2729	.075	1.90	11	76	
6	150	6.3	159.4	ASTM D2729	.100	2.54	8	55	
3	75	3.2	82.5	IPEX Standard	.070	1.78	19	131	
4	100	4.2	107.0	IPEX Standard	.075	1.91	11	76	
6	150	6.3	159.4	IPEX Standard	.123	3.12	14	96	

IPEX Perforated Sewer Pipe – Dimensions									
Nominal Pipe Size		Average Outside Diameter		Standards	Minimum Wall Thickness		Perforation* Configuratio	Minimum Stiffness	
inches	mm	inches	mm		inches	mm		psi	kpa
3	75	3.3	82.5	CSA B182.1 Eastern Canada	.085	2.16	A	29	200
4	100	4.2	107.0	CSA B182.1 Eastern Canada	.093	2.36	A	29	200
6	150	6.3	159.4	CSA B182.1 Eastern Canada	.130	3.30	A	29	200
3	75	3.3	82.5	CSA B182.1 Western Canada	.079	2.02	B	29	200
4	100	4.2	107.0	CSA B182.1 Western Canada	.088	2.24	B	29	200
6	150	6.3	159.4	CSA B182.1 Western Canada	.114	2.90	B	29	200
4	100	4.2	107.0	CSA B182.1 Nova Scotia Spec	.104	2.63	C	29	200
3	75	3.3	82.5	BNQ 3624-050	.085	2.15	D	29	200
4	100	4.2	107.0	BNQ 3624-050	.143	3.63	D	29	200
6	150	6.3	159.4	BNQ 3624-050	.139	3.52	D	29	200
3	75	3.3	82.5	ASTM D2729	.070	1.78	E	19	131
4	100	4.2	107.0	ASTM D2729	.075	1.90	E	11	76
6	150	6.3	159.4	ASTM D2729	.100	2.54	E	8	55
3	75	3.3	82.5	IPEX Standard	.070	1.78	F	19	131
4	100	4.2	107.0	IPEX Standard	.075	1.91	F	11	76
6	150	6.3	159.4	IPEX Standard	.123	3.12	F	14	96

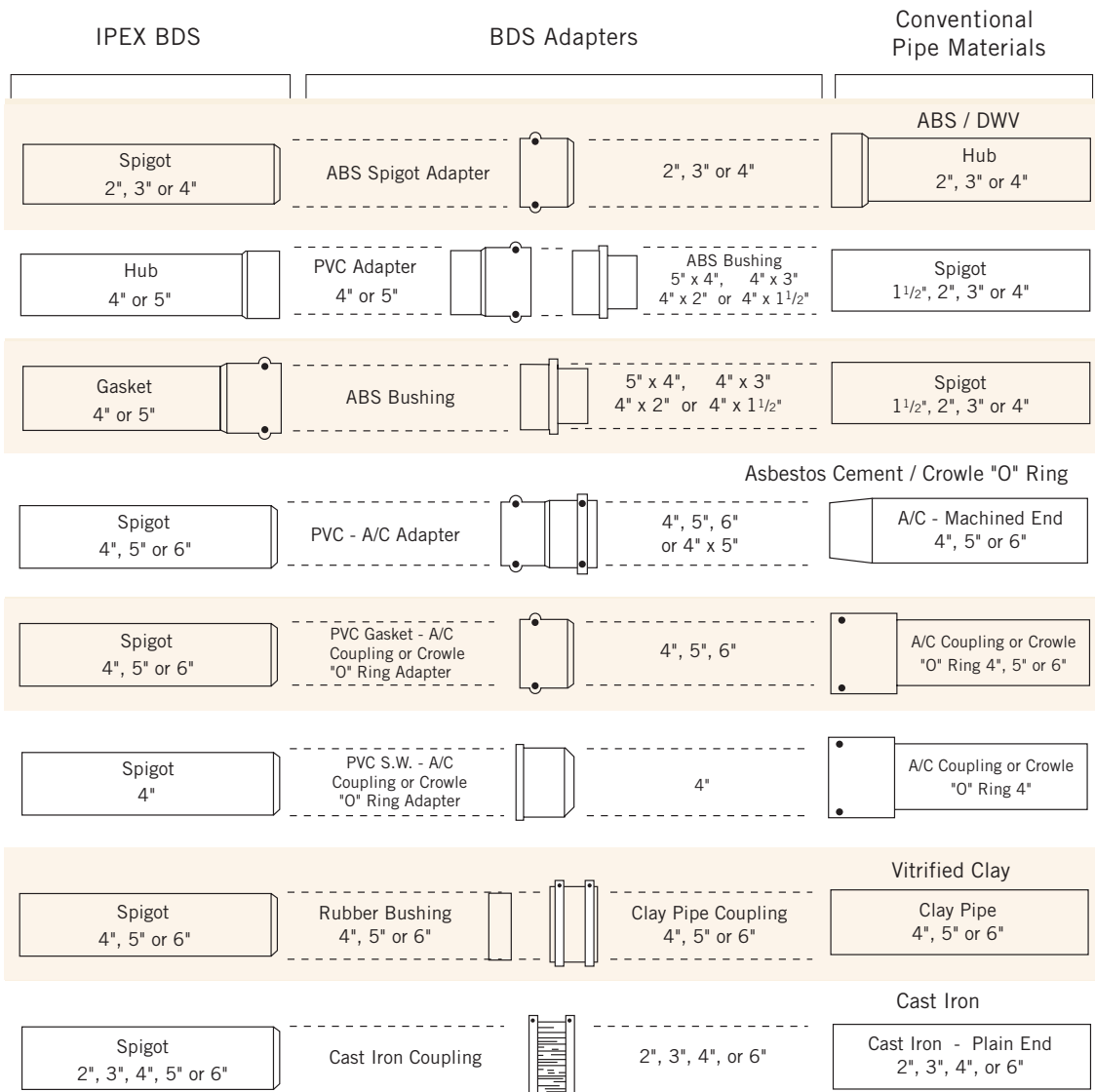
*See table on following page

PERFORATED PIPE HOLE DIMENSIONS



Configuration Type	Primary Hole Size		Secondary Hole Size		Dimension X		Dimension Y		Angle θ degree
	inches	mm	inches	mm	inches	mm	inches	mm	
A	.63	16	.51	13	5.00	127	28.8	732	120
B	.63	16	none	none	5.00	127	n/a	n/a	120
C	.63	16	.51	13	5.00	127	138.8	3525	120
D	.51	13	.35	9	5.00	127	60.0	1524	120
E	.51	13	.39	10	5.00	127	30.0	762	120
F	.63	16	.51	13	4.65	118	30.0	763	120

ADAPTER CHART TO CONVENTIONAL MATERIALS



PRODUCT SELECTION CHART

	Dimension		Product Code
	inches	mm	

BDS Solvent Weld Sewer Pipe - Solid (10 ft lengths)



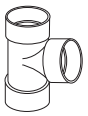
	2	50	003520
	3	75	003530
	4	White 100	003644
	4	Green 100	003645
	6	White 150	003560
CSA - Eastern Canada	6	Green 150	003561

BDS Solvent Weld Sewer Pipe - Perforated (10 ft lengths)



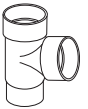
	3	75	004530
	4	100	004140
	6	150	004565

Straight Tee H x H x H



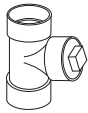
	3 x 3 x 3	75 x 75 x 75	040102
	4 x 4 x 3	100 x 100 x 75	040109
	4 x 4 x 4	100 x 100 x 100	040104
	6 x 6 x 4	150 x 150 x 100	040105
	6 x 6 x 6	150 x 150 x 150	040106
	8 x 8 x 4	200 x 200 x 100	040117
	8 x 8 x 6	200 x 200 x 150	040118
	8 x 8 x 8	200 x 200 x 200	040108

Straight Tee Sp x H x H



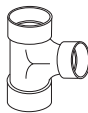
	4 x 4 x 4	100 x 100 x 100	040114
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Cleanout Tee H x H x FPT



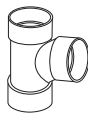
	4	100	040922
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2 Way Cleanout H x H x H



	4 x 4 x 4	100 x 100 x 100	040350
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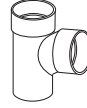
Sanitary Tee H x H x H



	3 x 3 x 3	75 x 75 x 75	040155
	4 x 4 x 4	100 x 100 x 100	040156
	6 x 6 x 4	150 x 150 x 100	040158
	6 x 6 x 6	150 x 150 x 150	040159

	Dimension		Product Code
	inches	mm	

Sanitary Tee Sp x H x H



	4 x 4 x 4	100 x 100 x 100	040157
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45° Wye H x H x H



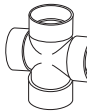
	3 x 3 x 2	75 x 75 x 50	040303
	3 x 3 x 3	75 x 75 x 75	040302
	4 x 4 x 2	100 x 100 x 50	040308
	4 x 4 x 3	100 x 100 x 75	040309
	4 x 4 x 4	100 x 100 x 100	040304
	6 x 6 x 4	150 x 150 x 100	040307
	6 x 6 x 6	150 x 150 x 150	040306
	8 x 8 x 4	200 x 200 x 100	040310
	8 x 8 x 6	200 x 200 x 150	040312
	8 x 8 x 8	200 x 200 x 200	040311
	10 x 10 x 10	250 x 250 x 250	040313
	12 x 12 x 12	300 x 300 x 300	040314

45° Wye Sp x H x H



	3 x 3 x 3	75 x 75 x 75	040332
	4 x 4 x 4	100 x 100 x 100	040334
	6 x 6 x 6	150 x 150 x 150	040338

Cross H x H x H x H



	3	75	040975
	4	100	040976

90° Elbow (1/4 Bend) H x H



	2	50	040254
	3	75	040255
	4	100	040214
	4 x 3	100 x 75	040259
	6	150	040206
	8	200	040208
	* 4	100	040256

*Short Radius (BNQ ONLY)

90° Elbow (1/4 Bend) Sp x H



	2	50	040270
	3	75	040272
	4	100	040234
	6	150	040236
	* 4	100	040274

*Short Radius (BNQ ONLY)