

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.

i 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.



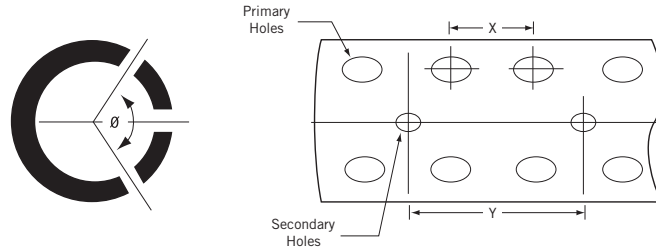
DIMENSIONS

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* Configuration	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

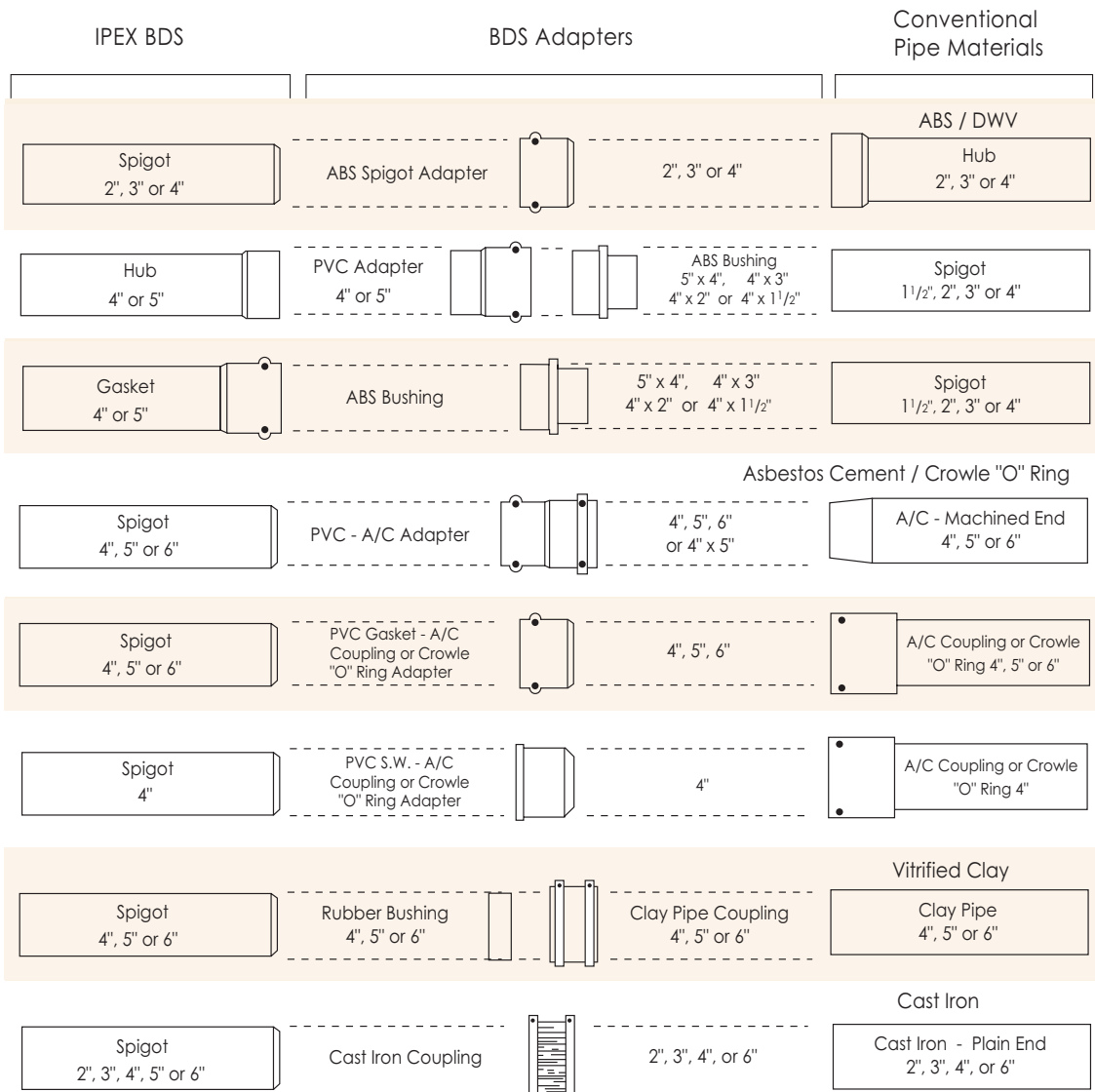
*See table on following page

PERFORATED PIPE HOLE DIMENSIONS



Configuration Type	Primary Hole Size		Secondary Hole Size		Dimension X		Dimension Y		Angle f 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)



3		75	003530
4	White	100	003644
4	Green	100	003645
6	White	150	003560
6	Green	150	003561

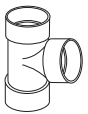
CSA - Eastern
Canada

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



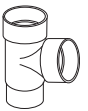
3		75	004530
4		100	004140
6		150	004565

Straight Tee H x H x H



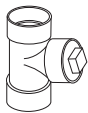
3 x 3 x 3	75 x 75 x 75	040102
4 x 4 x 3	100 x 100 x 75	040109
4 x 4 x 4	100 x 100 x 100	040104
6 x 6 x 4	150 x 150 x 100	040105
6 x 6 x 6	150 x 150 x 150	040106
8 x 8 x 4	200 x 200 x 100	040117
8 x 8 x 6	200 x 200 x 150	040118
8 x 8 x 8	200 x 200 x 200	040108

Straight Tee Sp x H x H



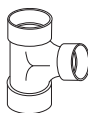
4 x 4 x 4	100 x 100 x 100	040114
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Cleanout Tee H x H x FPT



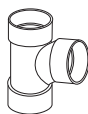
4	100	040922
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2 Way Cleanout H x H x H



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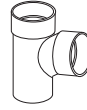
Sanitary Tee H x H x H



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



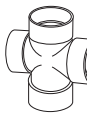
3 x 3 x 2	75 x 75 x 50	040303
3 x 3 x 3	75 x 75 x 75	040302
4 x 4 x 2	100 x 100 x 50	040308
4 x 4 x 3	100 x 100 x 75	040309
4 x 4 x 4	100 x 100 x 100	040304
6 x 6 x 4	150 x 150 x 100	040307
6 x 6 x 6	150 x 150 x 150	040306
8 x 8 x 4	200 x 200 x 100	040310
8 x 8 x 6	200 x 200 x 150	040312
8 x 8 x 8	200 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)

PRODUCT SELECTION CHART

	Dimension		Product Code
	inches	mm	

45° Elbow (1/8 Bend) H x H



2	50	040500
3	75	040502
4	100	040504
6	150	040506
8	200	040508
10	250	040407

45° Elbow (1/8 Bend) Sp x H



2	50	040400
3	75	040402
4	100	040404
6	150	040406
8	200	040408

22-1/2° Elbow (1/16 Bend) H x H



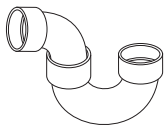
3	75	040963
4	100	040964
6	150	040969

22-1/2° Elbow (1/16 Bend) Sp x H



4	100	040864
6	150	040866

P Trap H x H



2	50	040978
3	75	040979
4	100	040980

Coupling with Pipe Stop H x H



2	50	040600
3	75	040602
4	100	040604
6	150	040606
8	200	040631

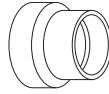
Repair Coupling without Pipe Stop H x H



4	100	040624
6	150	040626

	Dimension		Product Code
	inches	mm	

Reducer Coupling with Pipe Stop H x H



4 x 2	100 x 50	040656
4 x 3	100 x 75	040654
6 x 4	150 x 100	040661

Cap H



3	75	040986
4	100	040959
6	150	040988
8	200	040990

Cleanout Plug MPT



3	75	040923
4	100	040924
6	150	040926
8	200	040927
12	300	040929

Closet Flange H



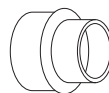
4	100	040965
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Reducer Bushing Sp x H



3 x 2	75 x 50	040930
4 x 3	100 x 75	040933
6 x 4	150 x 100	040896

Extended Bushing Sp x H



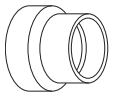
5 x 4	125 x 100	040994
6 x 4	150 x 100	040939
8 x 4	200 x 100	040897
8 x 6	200 x 150	040940

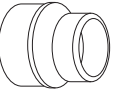
Reducer Bushing S/D to ABS/DWV Sp x H





3 x 1-1/2	75 x 38	040932
3 x 2	75 x 50	040341
4 x 1-1/2	100 x 38	040415
4 x 2	100 x 50	040935


PRODUCT SELECTION CHART


	Dimension		Product Code
	inches	mm	
	S/D to ABS/DWV	H x H	
	4 x 3	100 x 75	040655
	4 x 4	100 x 100	040725
	6 x 4	150 x 100	040727
	6 x 6	150 x 150	040756


	Dimension		Product Code
	inches	mm	
	S/D to ABS/DWV	Sp x H	
	4 x 3	100 x 75	040934
	5 x 4	125 x 100	040895
	6 x 4	150 x 100	040941


	Dimension		Product Code
	inches	mm	
	S/D to Female IPS	Sp x FIP Thread	
	4 x 1-1/2	100 x 40	040416


	Dimension		Product Code
	inches	mm	
	MPT		
	4	100	040992


	Dimension		Product Code
	inches	mm	
	Plugs / Covers		
	6	150	040024
	8	200	040025
	10	250	040026


	Dimension		Product Code
	inches	mm	
	Sp		
	3	75	040811
	4	100	040911
	6	150	040912


	Dimension		Product Code
	inches	mm	
	Floor Grate (pp) Sp		
	3	75	040032
	4	100	040033
	3	75	040034
	4	100	040035


	Dimension		Product Code
	inches	mm	
	Grates		
	6	150	040027
	8	200	040028
	10	250	040029

	Dimension		Product Code
	inches	mm	
	ABS/DWV Hub to S/D	H x Sp	
	4	100	040342

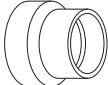
	Dimension		Product Code
	inches	mm	
	Male Adapter H x MPT		
	3	75	040720
	4	100	040723


	Dimension		Product Code
	inches	mm	
	S/D to Female IPS	H x FIP Threads	
	3	75	040948
	4	100	040949
	6	150	040952
	8	200	040945


	Dimension		Product Code
	inches	mm	
	S/D to AC Coupling. Or	Crowle G x Sp	
	4	100	040724


	Dimension		Product Code
	inches	mm	
	S/D to Cast Iron S/D to CI Spigot	H x H	
	4	100	040704

Caulk with Oakum & Mortar

	Dimension		Product Code
	inches	mm	
	DWV Hub x Sewer Spigot 10" Long		
	4	100	040808

	Dimension		Product Code
	inches	mm	
	Cleanout Adapter Sp x FIP Thread		
	3	75	040953
	4	100	040954
	6	150	040956

	Dimension		Product Code
	inches	mm	
	ABS/DWV to S.W.	Sp x G	
	4 (ABS)	100	043150

	Dimension		Product Code
	inches	mm	
	Rectangular Down Spout Adapter to BDS		
	4	100	040960

Down spout to corrugated