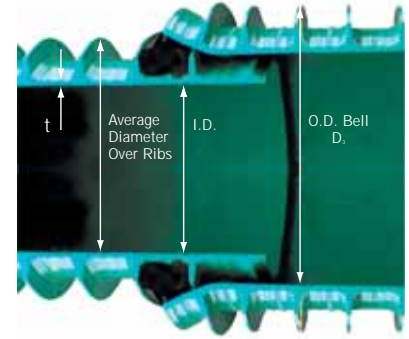


DIMENSIONS

Pipe Size		Average I.D. d		Average Diameter Over Ribs D		O.D. at Bell D ₃		Waterway Wall t	
in	mm	in	mm	in	mm	in	mm	in	mm
8	200	7.89	200	8.80	224	9.78	248	0.087	2.20
10	250	9.86	251	11.00	280	12.22	311	0.091	2.30
12	300	11.74	298	13.10	333	14.59	371	0.102	2.60
15	375	14.37	365	16.04	408	17.82	453	0.110	2.80
18	450	17.65	448	19.57	497	21.77	553	0.130	3.30
21	525	20.75	527	22.80	579	25.14	638	0.160	4.06
24	600	23.50	597	25.61	650	28.24	717	0.180	4.58



SHORT FORM SPECIFICATIONS

GENERAL

IPEX Ultra-Rib PVC Pipe is available in sizes 8, 10, 12, 15, 18, 21 and 24 inch (200mm - 600mm)

MATERIAL

Ultra-Rib PVC Pipe shall be made of PVC compound having a cell classification of 12454B as defined in ASTM D1784B.

PRODUCT

The pipe shall be extruded with a smooth interior and with solid reinforcing ribs on the exterior at right angles to the pipe. The space between any two ribs serves as a gasket race.

Ultra-Rib PVC pipe and fittings shall be certified to CSA B182.4 "Profile (Ribbed) PVC Sewer Pipe and Fittings", and shall meet the requirements of ASTM F794 "Standard Specification for Poly (Vinyl Chloride) (PVC) Ribbed Gravity Sanitary Pipe and Fittings Based on Controlled Inside Diameter".

PIPE STIFFNESS

Pipe stiffness must be 46 lbs/in of sample length/inch of deflection at 5% vertical deflection when tested according to ASTM D2412.

JOINTS

Gaskets for use with Ultra-Rib pipe are manufactured from EPDM and are designed specifically for use with Ultra-Rib pipe. This unique design is also available in Nitrile.

Sealing gaskets shall meet the requirements of CSA B182.4 and ASTM F477, with the additional requirement that joints shall be able to withstand 345 kPa (50 psi) hydrostatic pressure.

The joint will not leak at 10.8 psi or 25' of head with 22" Hg vacuum with spigot under 5% ring deflection and joint at full axial deflection.

MOLDED FITTINGS

Injection-molded gasketed PVC fittings of ribbed construction shall be certified to CSA B182.1 or CSA B182.2 and used for direct connection to Ultra-Rib pipes in available sizes.

FABRICATED FITTINGS

Fittings fabricated for use with Ultra-Rib pipe shall be certified to CSA B182.4 or ASTM F794 and may include legs of PVC pipe meeting CSA B182.1, B182.2 or ASTM D3034 or F679.

LUBRICANT

Assembly of Ultra-Rib pipe and fittings shall be done in accordance with the manufacturer's directions using only IPEX PVC pipe lubricant. Substitute lubricants shall not be used. IPEX lubricant shall be applied to the inside of the bell to be joined, to a uniform thickness for a distance inside the bell equivalent to three ribs from outside edge.

COLOR CODING

Pipe shall be color coded green.



PRODUCT SELECTION CHART

Dimension		Product Code
inches	mm	

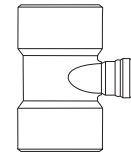
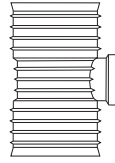
Ultra-Rib Pipe



8	200	086008
10	250	086010
12	300	086012
15	375	086015
18	450	086018
21	525	086021
24	600	086024

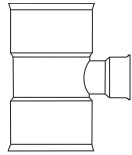
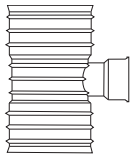
Dimension		Product Code
inches	mm	

Tee B x B x G (Ultra-Rib x Ultra-Rib x DR35 or 28)



8 x 4	200 x 100	087150
8 x 5	200 x 135	087151
8 x 6	200 x 150	087152
8	200	087153
10 x 4	250 x 100	087154
10 x 5	250 x 135	087155
10 x 6	250 x 150	087156
10 x 8	250 x 200	087157
12 x 4	300 x 100	087159
12 x 5	300 x 135	087160
12 x 6	300 x 150	087161
12 x 8	300 x 200	087162
12 x 10	300 x 250	087163
12	300	087164
15 x 4	375 x 100	087165
15 x 5	375 x 135	087166
15 x 6	375 x 150	087167
15 x 8	375 x 200	087168
15 x 10	375 x 250	087169
15 x 12	375 x 300	087170
18 x 4	450 x 100	087172
18 x 5	450 x 135	087173
18 x 6	450 x 150	087174
18 x 8	450 x 200	087175
18 x 10	450 x 250	087176
18 x 12	450 x 300	087177
18 x 15	450 x 375	087178
18	450	087179
21 x 4	525 x 100	087180
21 x 5	525 x 135	087181
21 x 6	525 x 150	087182
21 x 8	525 x 200	087183
21 x 10	525 x 250	087184
21 x 12	525 x 300	087185
21 x 15	525 x 375	087186
21 x 18	525 x 450	087187
21	525	087188
24 x 4	600 x 100	087190
24 x 5	600 x 135	087199
24 x 6	600 x 150	087191
24 x 8	600 x 200	087192
24 x 10	600 x 250	087193
24 x 12	600 x 300	087194
24 x 18	600 x 450	087196
24 x 21	600 x 525	087197
24	600	087198

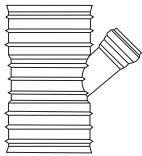
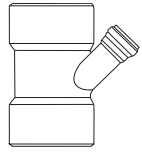
Tee B x B x B (Ultra-Rib x Ultra-Rib x Ultra-Rib)



8	200	087100
10 x 8	250 x 200	087101
10	250	087102
12 x 8	300 x 200	087103
12 x 10	300 x 250	087104
12	300	087105
15 x 8	375 x 200	087106
15 x 10	375 x 250	087107
15 x 12	375 x 300	087108
15	375	087109
18 x 8	450 x 200	087110
18 x 10	450 x 250	087111
18 x 12	450 x 300	087112
18 x 15	450 x 375	087113
18	450	087114
21 x 8	525 x 200	087115
21 x 10	525 x 250	087116
21 x 12	525 x 300	087117
21 x 15	525 x 375	087118
21 x 18	525 x 450	087119
21	525	087120
24 x 8	600 x 200	087121
24 x 10	600 x 250	087720
24 x 12	600 x 300	087123
24 x 15	600 x 375	087124
24 x 18	600 x 450	087125
24 x 21	600 x 525	087126
24	600	087127

Dimension		Product Code
inches	mm	

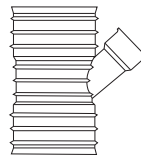
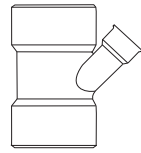
Wye B x B x G (Ultra-Rib x Ultra-Rib x DR35 or 28)



8 x 4	200 x 100	087250
8 x 5	200 x 135	087251
8 x 6	200 x 150	087252
8	200	087253
10 x 4	250 x 100	087254
10 x 5	250 x 135	087255
10 x 6	250 x 150	087256
10 x 8	250 x 200	087257
10	250	087258
12 x 4	300 x 100	087259
12 x 5	300 x 135	087260
12 x 6	300 x 150	087261
12 x 8	300 x 200	087262
12 x 10	300 x 250	087263
12	300	087264
15 x 4	375 x 100	087265
15 x 5	375 x 135	087266
15 x 6	375 x 150	087267
15 x 8	375 x 200	087268
15 x 10	375 x 250	087269
15 x 12	375 x 300	087270
15	375	087271
18 x 4	450 x 100	087272
18 x 5	450 x 135	087273
18 x 6	450 x 150	087274
18 x 8	450 x 200	087275
18 x 10	450 x 250	087276
18 x 12	450 x 300	087277
18 x 15	450 x 375	087278
18	450	087279
21 x 4	525 x 100	087235
21 x 5	525 x 135	087236
21 x 6	525 x 150	087237
21 x 8	525 x 200	087238
21 x 10	525 x 250	087239
21 x 12	525 x 300	087240
21 x 15	525 x 375	087241
21 x 18	525 x 450	087242
21	525	087243
24 x 4	600 x 100	087360
24 x 5	600 x 135	087359
24 x 6	600 x 150	087361
24 x 8	600 x 200	087362
24 x 10	600 x 250	087363
24 x 12	600 x 300	087364
24 x 15	600 x 375	087365
24 x 18	600 x 450	087366
24 x 21	600 x 525	087367
24	600	087368

Dimension		Product Code
inches	mm	

Wye B x B x B (Ultra-Rib x Ultra-Rib x Ultra-Rib)

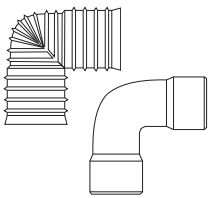


8	200	087280
10 x 8	250 x 200	087281
10	250	087282
12 x 8	300 x 200	087283
12 x 10	300 x 250	087284
12	300	087285
15 x 8	375 x 200	087286
15 x 10	375 x 250	087287
15 x 12	375 x 300	087288
15	375	087289
18 x 8	450 x 200	087290
18 x 10	450 x 250	087291
18 x 12	450 x 300	087292
18 x 15	450 x 375	087293
18	450	087294
21 x 8	525 x 200	087295
21 x 10	525 x 250	087296
21 x 12	525 x 300	087297
21 x 15	525 x 375	087298
21 x 18	525 x 450	087299
21	525	087316
24 x 8	600 x 200	087317
24 x 10	600 x 250	087318
24 x 12	600 x 300	087319
24 x 15	600 x 375	087320
24 x 18	600 x 450	087321
24 x 21	600 x 525	087322
24	600	087323

PRODUCT SELECTION CHART

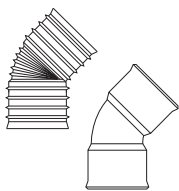
Dimension		Product Code
inches	mm	

90° Elbow B x B (Ultra-Rib x Ultra-Rib)



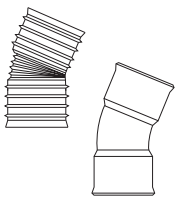
8	200	087300
10	250	087301
12	300	087302
15	375	087303
18	450	087304
21	525	087305
24	600	087306

45° Elbow B x B (Ultra-Rib x Ultra-Rib)



8	200	087325
10	250	087326
12	300	087327
15	375	087328
18	450	087329
21	525	087330
24	600	087331

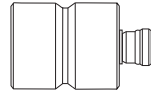
22-1/2° Elbow B x B (Ultra-Rib x Ultra-Rib)



8	200	087375
10	250	087376
12	300	087377
15	375	087378
18	450	087379
21	525	087380
24	600	087381

Dimension		Product Code
inches	mm	

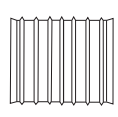
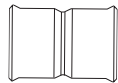
Increaser B x G (Ultra-Rib x DR35 or 28)



8 x 4	200 x 100	087400
8 x 5	200 x 135	087401
8 x 6	200 x 150	087402
10 x 4	250 x 100	087403
10 x 5	250 x 135	087404
10 x 6	250 x 150	087405
10 x 8	250 x 200	087406
12 x 4	300 x 100	087407
12 x 5	300 x 135	087408
12 x 6	300 x 150	087409
12 x 8	300 x 200	087410
12 x 10	300 x 250	087411
15 x 4	375 x 100	087412
15 x 5	375 x 135	087413
15 x 6	375 x 150	087414
15 x 8	375 x 200	087415
15 x 10	375 x 250	087416
15 x 12	375 x 300	087417
18 x 4	450 x 100	087418
18 x 5	450 x 135	087419
18 x 6	450 x 150	087420
18 x 8	450 x 200	087421
18 x 10	450 x 250	087422
18 x 12	450 x 300	087423
18 x 15	450 x 375	087424
21 x 4	525 x 100	087482
21 x 6	525 x 150	087483
21 x 8	525 x 200	087484
21 x 10	525 x 250	087485
21 x 12	525 x 300	087486
21 x 18	525 x 450	087488
24 x 4	600 x 100	087489
24 x 6	600 x 150	087490
24 x 8	600 x 200	087491
24 x 10	600 x 250	087492
24 x 12	600 x 300	087493
24 x 15	600 x 375	087494
24 x 18	600 x 450	087495
24 x 21	600 x 525	087496


	Dimension		Product Code
	inches	mm	

Stop Coupling B x B

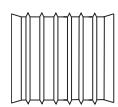

	8	200	087450
	10	250	087451
	12	300	087452
	15	375	087453
	21	525	087455
			

	Dimension		Product Code
	inches	mm	

Cap B

	8	200	087500
	10	250	087501
	12	300	087502
	15	375	087503
	18	450	087504
	21	525	087505
	24	600	087506


Repair Coupling B x B

	8	200	087475
	10	250	087476
	12	300	087477
	15	375	087478
	18	450	087479
	21	525	087480
	24	600	087481

Plug SP

	8	200	087525
	10	250	087526
	12	300	087527
	15	375	087528
	18	450	087529
	21	525	087530
	24	600	087531

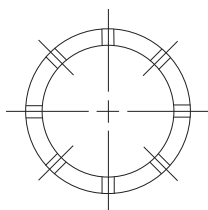
Gaskets

	8	200	087808
	10	250	087810
	12	300	087812
	15	375	087915
	18	450	087818
	21	525	087821
	24	600	087824

Manhole Adapter (for grout)

	8	200	087550
	10	250	087551
	12	300	087552
	15	375	087553
	18	450	087554
	21	525	087555
	24	600	087556

Standard Perforation Pattern



Hole Size = 9/16" , 14 mm
 Minimum Open Area = 10,000 mm² / m
 Other perforation types available.

Call your IPEX Inc. representative for details

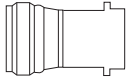
Ultra-Rib to DR 35 Adapter

	8	200	087575
	10	250	087576
	12	300	087577
	15	375	087578
	18	450	087579
	21	525	087580
	24	600	087581

PRODUCT SELECTION CHART

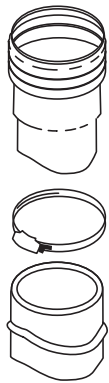
Dimension		Product Code
inches	mm	

Wing Adapter (Adapts Ultra-Rib to AC, VCT or concrete Mains)



8	200	087625
10	250	087626
12	300	087627
15	375	087628
18	450	087629
21	525	087630
24	600	087631

Inserta-Tees



8 x 4	200 x 100	087650
10 x 4	250 x 100	087651
10 x 6	250 x 150	087652
10 x 8	250 x 200	087649
12 x 4	300 x 100	087653
12 x 6	300 x 150	087654
12 x 8	300 x 200	087655
12 x 10	300 x 250	**
15 x 4	375 x 100	087656
15 x 6	375 x 150	087657
15 x 8	375 x 200	087658
15 x 12	375 x 300	087648
18 x 4	450 x 100	087660
18 x 6	450 x 150	087661
18 x 8	450 x 200	087662
18 x 10	450 x 250	087663
18 x 12	450 x 300	087664
18 x 15	450 x 375	Available on Request
21 x 4	525 x 100	087665
21 x 6	525 x 150	087666
21 x 8	525 x 200	087667
21 x 10	525 x 250	087668
21 x 12	525 x 300	087674
21 x 15	525 x 375	Available on Request
24 x 4	600 x 100	087669
24 x 6	600 x 150	087670
24 x 8	600 x 200	087671
24 x 10	600 x 250	087672
24 x 12	600 x 300	087685