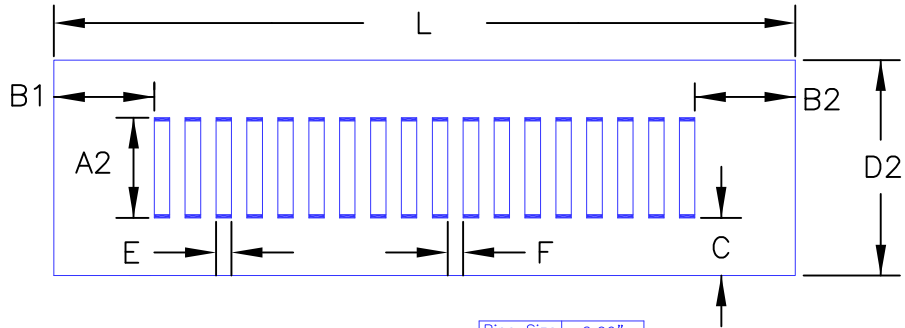
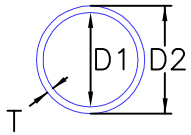


Inline Pipe Grate Component - Schedule 40 PVC  
2" & 2-1/2" Nominal Pipe Size - Non-Belled

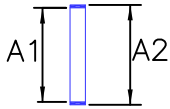
Plan View



Typical Pipe Section

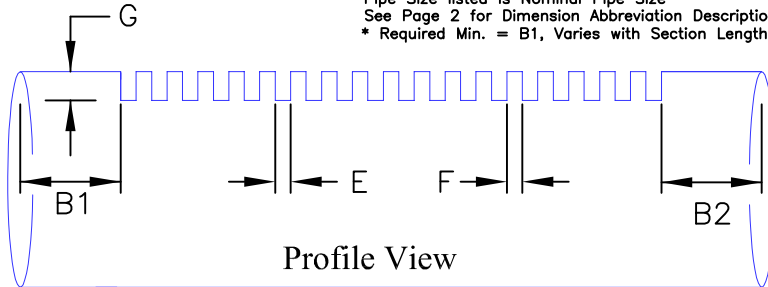


Slit Dimensions



Pipe Size	2.00"
D1	2.067"
D2	2.375"
A1	1.395"
A2	1.821"
B1	1.000"
B2	*
C	0.277"
E	0.250"
F	0.312"
G	0.425"
T	0.154"
Open Area Per Slit	0.35 in <sup>2</sup>

Pipe Size listed is Nominal Pipe Size  
See Page 2 for Dimension Abbreviation Descriptions.  
\* Required Min. = B1, Varies with Section Length



Profile View

Inline Pipe Grate Component - Schedule 40 PVC  
2" & 2-1/2" Nominal Pipe Size - Non-Belled

- D1 = Nominal Inside Diameter per ASTM D1785
- D2 = Outside Diameter per ASTM D1785
- A1 = Provided Open Slit Length
- A2 = Total Length of Slit Cut
- B1 = Short End Clear Spacing = Min. required for SCH40 fittings
- B2 = Long End Clear Spacing
- C = Clear Spacing from OD to Edge of Slit Cut
- E = Slit Width
- F = Rib Width
- G = Depth of Slit Cut (Slit Height)
- T = Minimum Thickness per ASTM D1785

2" IPGC		
(L) (FT)	# Slits	Open Area (SF)
0.5	7	0.019
1.0	18	0.048
1.5	29	0.078
2.0	39	0.105
2.5	52	0.140
3.0	61	0.164
3.33	68	0.183
3.5	71	0.191
4.0	82	0.220
4.5	93	0.250
5.0	103	0.276
5.5	114	0.306
6.0	125	0.336
6.5	135	0.362
6.67	139	0.373
7.0	146	0.392
7.5	157	0.421
8.0	167	0.448
8.5	178	0.478
9.0	189	0.507
9.5	199	0.534
10.0	210	0.564
10.5	221	0.593
11.0	231	0.620
11.5	242	0.650
12.0	253	0.679
12.5	263	0.706
13.0	274	0.735
13.33	281	0.754
13.5	285	0.765
14.0	295	0.792
14.5	306	0.821
15.0	317	0.851
15.5	327	0.878
16.0	338	0.907
16.5	349	0.937
16.67	352	0.945
17.0	359	0.964
17.5	370	0.993
18.0	381	1.023
18.5	392	1.052
19.0	402	1.079
19.5	413	1.109
20.0	424	1.138

2-1/2" IPGC		
(L) (FT)	# Slits	Open Area (SF)
0.5	5	0.013
1.0	16	0.043
1.5	27	0.072
2.0	37	0.099
2.5	48	0.129
3.0	59	0.158
3.33	66	0.177
3.5	69	0.185
4.0	80	0.215
4.5	91	0.244
5.0	101	0.271
5.5	112	0.301
6.0	123	0.330
6.5	134	0.360
6.67	137	0.368
7.0	144	0.387
7.5	155	0.416
8.0	166	0.446
8.5	176	0.472
9.0	187	0.502
9.5	198	0.531
10.0	208	0.558
10.5	219	0.588
11.0	228	0.612
11.5	240	0.644
12.0	251	0.674
12.5	262	0.703
13.0	272	0.730
13.33	279	0.749
13.5	283	0.760
14.0	294	0.789
14.5	304	0.816
15.0	315	0.845
15.5	326	0.875
16.0	336	0.902
16.5	347	0.931
16.67	351	0.942
17.0	358	0.961
17.5	368	0.988
18.0	379	1.017
18.5	390	1.047
19.0	400	1.074
19.5	411	1.103
20.0	422	1.133

\* The open slit areas shown in the table assume a standard fitting is attached on each end of the pipe section. Thus, some of the listed length (L) is considered unavailable for providing open slits.

For an internal one-foot section of 2" IPGC, beginning at the edge of an open slit:

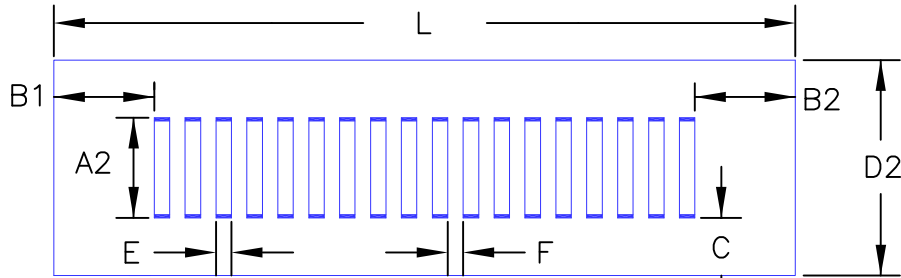
Number of Open Slits = 21  
Slit Open Width = 0.25 inches  
Slit Open Length = 1.395 inches  
Open Area = 7.585 square inches

For an internal one-foot section of 2-1/2" IPGC, beginning at the edge of an open slit:

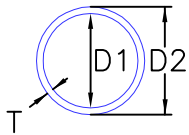
Number of Open Slits = 21  
Slit Open Width = 0.25 inches  
Slit Open Length = 1.482 inches  
Open Area = 8.058 square inches

## Inline Pipe Grate Component - Schedule 40 PVC 3", 4", & 6" Nominal Pipe Sizes

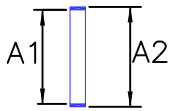
Plan View



Typical  
Pipe  
Section

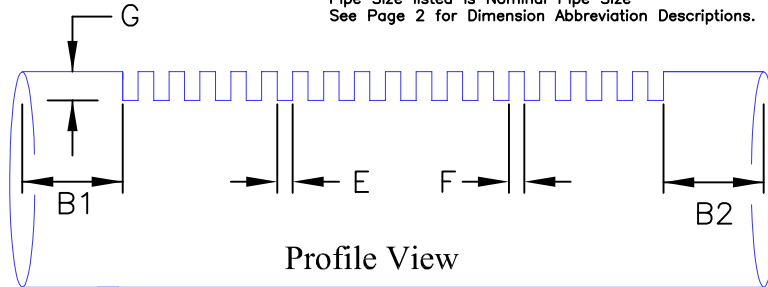


Slit  
Dimensions



Pipe Size	3.00"	4.00"	6.00"	8.00"	12.00"
D1	3.068"	4.026"	6.065"	7.981"	11.938"
D2	3.50"	4.50"	6.625"	8.625"	12.75"
A1	1.546"	2.179"	3.269"	4.458"	6.741"
A2	2.375"	3.00"	4.375"	5.50"	8.00"
B1	1.875"	2.00"	3.00"	4.00"	6.00"
B2	Required Min. = B1, Varies with Section Length				
C	0.562"	0.750"	1.125"	1.562"	2.375"
E	0.250"	0.250"	0.250"	0.250"	0.250"
F	0.312"	0.312"	0.312"	0.312"	0.312"
G	0.465"	0.573"	0.797"	0.991"	1.411"
T	0.216"	0.237"	0.280"	0.322"	0.406"
Open Area Per Slit	0.39 in <sup>2</sup>	0.54 in <sup>2</sup>	0.82 in <sup>2</sup>	1.11 in <sup>2</sup>	1.69 in <sup>2</sup>

Pipe Size listed is Nominal Pipe Size  
See Page 2 for Dimension Abbreviation Descriptions.



Profile View

## Inline Pipe Grate Component - Schedule 40 PVC 3", 4", & 6" Nominal Pipe Sizes

- D1 = Nominal Inside Diameter per ASTM D1785
- D2 = Outside Diameter per ASTM D1785
- A1 = Provided Open Slit Length
- A2 = Total Length of Slit Cut
- B1 = Short End Clear Spacing = Min. required for SCH40 fittings
- B2 = Long End Clear Spacing
- C = Clear Spacing from OD to Edge of Slit Cut
- E = Slit Width
- F = Rib Width
- G = Depth of Slit Cut (Slit Height)
- H = Slit Height
- T = Minimum Thickness per ASTM D1785

3" IPGC			4" IPGC			6" IPGC		
(L) (FT)	# Slits	Open Area (SF)	(L) (FT)	# Slits	Open Area (SF)	(L) (FT)	# Slits	Open Area (SF)
0.5	4	0.011	0.5	4	0.015	—	—	—
1.0	15	0.040	1.0	14	0.053	1.0	11	0.062
1.5	25	0.067	1.5	25	0.095	1.5	21	0.119
2.0	36	0.097	2.0	36	0.136	2.0	32	0.182
2.5	47	0.126	2.5	46	0.174	2.5	43	0.244
3.0	57	0.153	3.0	57	0.216	3.0	53	0.301
3.33	65	0.174	3.33	64	0.242	3.33	61	0.346
3.5	68	0.183	3.5	68	0.257	3.5	64	0.363
4.0	79	0.212	4.0	78	0.295	4.0	75	0.426
4.5	89	0.239	4.5	89	0.337	4.5	85	0.482
5.0	100	0.268	5.0	100	0.378	5.0	96	0.545
5.5	111	0.298	5.5	110	0.416	5.5	107	0.607
6.0	121	0.325	6.0	121	0.458	6.0	117	0.664
6.5	132	0.354	6.5	132	0.499	6.5	128	0.726
6.67	136	0.365	6.67	135	0.511	6.67	132	0.749
7.0	143	0.384	7.0	142	0.537	7.0	139	0.789
7.5	154	0.413	7.5	153	0.579	7.5	150	0.851
8.0	164	0.440	8.0	164	0.620	8.0	160	0.908
8.5	175	0.470	8.5	174	0.658	8.5	171	0.970
9.0	186	0.499	9.0	185	0.700	9.0	182	1.033
9.5	196	0.526	9.5	196	0.741	9.5	192	1.090
10.0	207	0.556	10.0	206	0.779	10.0	203	1.152
10.5	218	0.585	10.5	217	0.821	10.5	214	1.215
11.0	228	0.612	11.0	228	0.863	11.0	224	1.271
11.5	239	0.641	11.5	238	0.900	11.5	235	1.334
12.0	250	0.671	12.0	249	0.942	12.0	246	1.396
12.5	260	0.698	12.5	260	0.984	12.5	256	1.453
13.0	271	0.727	13.0	271	1.025	13.0	267	1.515
13.33	278	0.746	13.33	278	1.052	13.33	274	1.555
13.5	282	0.757	13.5	281	1.063	13.5	278	1.578
14.0	292	0.784	14.0	292	1.105	14.0	288	1.635
14.5	303	0.813	14.5	303	1.146	14.5	299	1.697
15.0	314	0.843	15.0	313	1.184	15.0	310	1.759
15.5	324	0.870	15.5	324	1.226	15.5	320	1.816
16.0	335	0.899	16.0	335	1.267	16.0	331	1.879
16.5	346	0.929	16.5	345	1.305	16.5	342	1.941
16.67	349	0.937	16.67	349	1.320	16.67	345	1.958
17.0	356	0.956	17.0	356	1.347	17.0	352	1.998
17.5	367	0.985	17.5	367	1.388	17.5	363	2.060
18.0	378	1.015	18.0	377	1.426	18.0	374	2.123
18.5	388	1.041	18.5	388	1.468	18.5	384	2.179
19.0	399	1.071	19.0	399	1.509	19.0	395	2.242
19.5	410	1.100	19.5	409	1.547	19.5	406	2.304
20.0	420	1.127	20.0	420	1.589	20.0	416	2.361

\* The open slit areas shown in the table assume a standard fitting is attached on each end of the pipe section. Thus, some of the listed length (L) is considered unavailable for providing open slits.

For an internal one-foot section of 3" IPGC, beginning at the edge of an open slit:

Number of Open Slits = 21  
Slit Open Width = 0.25 inches  
Slit Open Length = 1.546 inches  
Open Area = 8.406 square inches

For an internal one-foot section of 4" IPGC, beginning at the edge of an open slit:

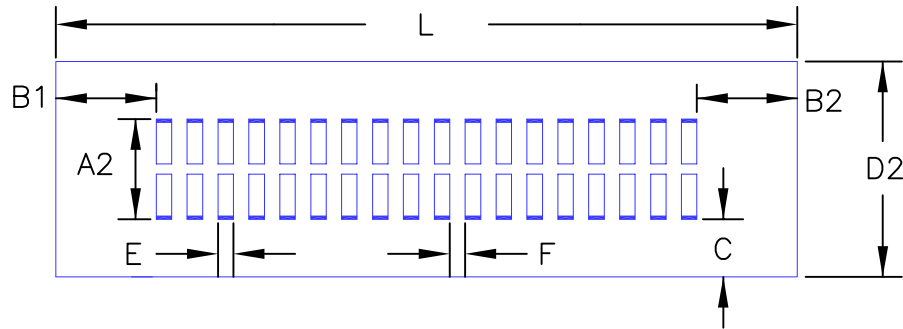
Number of Open Slits = 21  
Slit Open Width = 0.25 inches  
Slit Open Length = 2.179 inches  
Open Area = 11.848 square inches

For an internal one-foot section of 6" IPGC, beginning at the edge of an open slit:

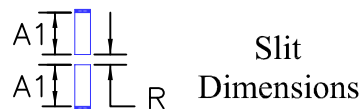
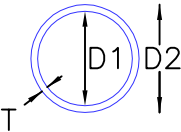
Number of Open Slits = 21  
Slit Open Width = 0.25 inches  
Slit Open Length = 3.229 inches  
Open Area = 17.775 square inches

Inline Pipe Grate Component - Schedule 40 PVC  
8" & 12" Nominal Pipe Sizes w/ Center Support

Plan View

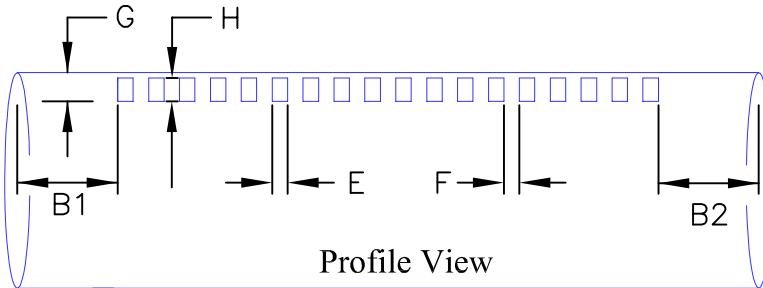


Typical  
Pipe  
Section



Pipe Size	A1	A2	B1	B2	C	D1	D2	E	F	G	H	R	T	Open Area Per Slit
8.00"	1.978"	5.50"	4.00"	***	1.562"	7.981"	8.625"	0.250"	0.312"	0.991"	0.670"	0.50"	0.312"	1.10 in <sup>2</sup>
12.00"	3.00"	8.00"	6.00"	***	2.375"	11.938"	12.75"	0.250"	0.312"	1.411"	1.024"	0.75"	0.375"	1.66 in <sup>2</sup>

Pipe Size listed is nominal pipe size.  
\*\*\* Required Min. = B1, Varies with Section Length.  
See Page 4 for Dimension Abbreviation Descriptions.



Profile View

Inline Pipe Grate Component - Schedule 40 PVC  
8" & 12" Nominal Pipe Sizes w/ Center Support

- D1 = Nominal Inside Diameter per ASTM D1785
- D2 = Outside Diameter per ASTM D1785
- A1 = Provided Open Slit Length
- A2 = Total Length of Slit Cut
- B1 = Short End Clear Spacing = Min. required for SCH40 fittings
- B2 = Long End Clear Spacing
- C = Clear Spacing from OD to Edge of Slit Cut
- E = Slit Width
- F = Rib Width
- G = Depth to Bottom of Open Slit from top of pipe
- H = Slit Height
- T = Minimum Thickness per ASTM D1785

8"-CS IPGC		
(L) (FT)	# Slits	Open Area (SF)
1.0	14	0.048
1.5	36	0.124
2.0	58	0.199
2.5	78	0.268
3.0	100	0.343
3.33	114	0.391
3.5	122	0.419
4.0	142	0.488
4.5	164	0.563
5.0	186	0.639
5.5	206	0.707
6.0	228	0.783
6.5	250	0.859
6.67	256	0.879
7.0	270	0.927
7.5	292	1.003
8.0	314	1.078
8.5	334	1.147
9.0	356	1.223
9.5	378	1.298
10.0	398	1.367
10.5	420	1.442
11.0	442	1.518
11.5	462	1.587
12.0	484	1.662
12.5	506	1.738
13.0	526	1.806
13.33	542	1.861
13.5	548	1.882
14.0	570	1.957
14.5	590	2.026
15.0	612	2.102
15.5	634	2.177
16.0	654	2.246
16.5	676	2.321
16.67	684	2.349
17.0	698	2.397
17.5	718	2.466
18.0	740	2.541
18.5	762	2.617
19.0	784	2.692
19.5	804	2.761
20.0	826	2.837

12"-CS IPGC		
(L) (FT)	# Slits	Open Area (SF)
1.5	22	0.115
2.0	42	0.219
2.5	64	0.333
3.0	86	0.448
3.33	100	0.521
3.5	106	0.552
4.0	128	0.667
4.5	150	0.781
5.0	170	0.885
5.5	192	1.000
6.0	214	1.115
6.5	234	1.219
6.67	242	1.260
7.0	256	1.333
7.5	278	1.448
8.0	300	1.563
8.5	320	1.667
9.0	342	1.781
9.5	364	1.896
10.0	384	2.000
10.5	406	2.115
11.0	428	2.229
11.5	448	2.333
12.0	470	2.448
12.5	492	2.563
13.0	512	2.667
13.33	526	2.740
13.5	534	2.781
14.0	556	2.896
14.5	576	3.000
15.0	598	3.115
15.5	620	3.229
16.0	640	3.333
16.5	662	3.448
16.67	670	3.490
17.0	684	3.563
17.5	704	3.667
18.0	726	3.781
18.5	748	3.896
19.0	768	4.000
19.5	790	4.115
20.0	812	4.229

\* The open slit areas shown in the table assume a standard fitting is attached on each end of the pipe section. Thus, some of the listed length (L) is considered unavailable for providing open slits.

For an internal one-foot section of 8"-CS IPGC, beginning at the edge of an open slit:

Number of Open Slits = 21  
Slit Open Width = 0.25 inches  
Slit Open Length = 1.978 inches  
Open Area = 21.511 square inches

For an internal one-foot section of 12"-CS IPGC, beginning at the edge of an open slit:

Number of Open Slits = 42 (21 open slits X 2 sides)  
Slit Open Width = 0.25 inches  
Slit Open Length = 3.000 inches  
Open Area = 32.625 square inches