

# Sargent Pipe Company, Inc.

## Perforated Casing Specifications

Table of Inlet Areas

# of slots per Ft.	Square inches of Inlet Area per foot of perforated pipe (slot length - 3", .050- .375 width, 6" center to center)									
	.050"	.060"	.080"	.100"	.125"	.150"	.188"	.250"	.312"	.375"
8	1.2	1.44	1.92	2.4	3	3.6	4.51	6	7.49	9
12	1.8	2.16	2.88	3.6	4.5	5.4	6.77	9	11.23	13.5
16	2.4	2.88	3.84	4.8	6	7.2	9.02	12	14.98	18
20	3	3.6	4.8	6	7.5	9	11.28	15	18.72	22.5
24	3.6	4.32	5.76	7.2	9	10.8	13.54	18	22.46	27
32	4.8	5.76	7.68	9.6	12	14.4	18.05	24	29.95	36
36	5.4	6.48	8.64	10.8	13.5	16.2	20.3	27	33.7	40.5
40	6	7.2	9.6	12	15	18	22.56	30	37.44	45
48	7.2	8.64	11.52	14.4	18	21.6	27.07	36	44.93	54
52	7.8	9.36	12.48	15.6	19.5	23.4	29.33	39	48.67	58.5
56	8.4	10.08	13.44	16.8	21	25.2	31.58	42	52.42	63
60	9	10.8	14.4	18	22.5	27	33.84	45	56.16	67.5
64	9.6	11.52	15.36	19.2	24	28.8	36.1	48	59.9	72
68	10.2	12.24	16.32	20.4	25.5	30.6	38.35	51	63.65	76.5
72	10.8	12.96	17.28	21.6	27	32.4	40.61	54	67.39	81
80	12	14.4	19.2	24	30	36	45.12	60	74.88	90
90	13.5	16.2	21.6	27	33.75	40.5	50.76	67.5	84.24	101.25
96	14.4	17.28	23.04	28.8	36	43.2	54.14	72	89.86	108
120	18	21.6	28.8	36	45	54	67.68	90	112.32	---
160	24	28.8	38.4	48	60	72	90.24	120	---	---
180	27	32.4	43.2	54	67.5	81	---	---	---	---
224	33.6	40.32	53.76	67.2	84	100.8	---	---	---	---

To calculate percent of open area per foot of perforated pipe:

Inlet Area

$$\text{Percent Open} = \frac{\text{Total Area}}{\text{Actual Area}} \times 100$$

Inlet Area (Sq. In. ) = Sqaure Inches of Inlet Area per foot of Perforated Pipe  
(Figure from above table using slot width and number of slots per foot)

Total Area (Sq. In.) = Actual outside diameter of pipe (inches) x 3.14 x 12 In.

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