

Screen Slot Table

Readily available pipe sizes and slot configurations, other sizes, wall thickness and slot patterns available upon request

Pipe Size	Outside Diameter	Wall Thickness SCH 40	Wall Thickness SCH 80	A	B	B
				Maximum	Approximate	Approximate
				Max Rows of Slots	Slot Length SCH 40	Slot Length SCH 80
1/2"	.840"	.109"	.147"	2	.47"	.45"
3/4"	1.050"	.113"	.154"	2	.68"	.62"
1"	1.315"	.113"	.179"	3	.70"	.65"
1-1/4"	1.660"	.140"	.191"	3	.78"	.74"
1-1/2"	1.900"	.145"	.200"	3	.88"	.75"
2"	2.375"	.154"	.218"	3	1.50"	1.30"
2-1/2"	2.875"	.203"	.276"	3	1.40"	1.32"
3"	3.500"	.216"	.300"	3	1.54"	1.40"
4"	4.500"	.237"	.337"	4 or 6	1.50"/1.10"	1.20"/N/A
4-1/2"	4.950"	.248"	N/A	4	1.47"	N/A
5"	5.563"	.258"	.375"	4	1.45"	1.40"
6"	6.625"	.280"	.432"	5	1.90"	1.80"
8"	8.625"	.332"	.500"	6	2.35"	1.60"
10"	10.750"	.365"	.593"	7	2.40"	1.60"
12"	12.750"	.460"	.687"	7 or 8	2.75"	2.20"
14"	14.000"	.438"	.750"	8	2.24"	1.73"
16"	16.000"	.500"	.843"	10	2.30"	1.57"
18"	18.000"	.532"	.937"	10	2.40"	N/A

Calculating the Intake Open Area of Titan's PVC Slotted Screen

Approximate open area per foot of screen for a variety of slot configurations can be easily calculated by the instructions and charts.

- Choose the size and schedule of PVC Screen
- Choose a slot configuration
 - Rows of Slots
 - Slot Length
 - Slot Width
 - Slots per Row per Foot

- Multiply the figure for A, B, C, D, for the total open area per foot of slotted PVC Screen.

EXAMPLE

4" SCH 40 with 4 rows of .010" wide slots on 90 degree centers with 1/4" spacing.
 4 rows (A) X 1.50" (B) X 42 (D) = 2.52 Square inches of open area per foot of slotted PVC screen.

Common pipe sizes and slot configurations are shown, other sizes up to 48", SCH or SDR'S and slot patterns are available upon request. Slot spacing and slot length is nominal, small variances may occur due to ovality of pipe and the effects of temperature.

C	D	E	
Slot Width	Slot/Row Foot	Slot Spacing	
.010" & .015" & .020"	80	1/8"	
	42	1/4"	
	21	1/2"	
	15	3/4"	
	11	1"	
	6	2"	
	4	3"	
	2	6"	
	62	1/8"	
	36	1/4"	
.032" & .062"	20	1/2"	
	14	3/4"	
	11	1"	
	6	2"	
	4	3"	
	2	6"	
	32	1/4"	
	19	1/2"	
	13	3/4"	
	11	1"	
.093"	6	2"	
	4	3"	
	2	6"	
	19	1/2"	
	14	3/4"	
	11	1"	
	6	2"	
	4	3"	
	2	6"	
	17	1/2"	
.125"	13	3/4"	
	10	1"	
	5	2"	
	4	3"	
	2	6"	
	16	1/2"	
	12	3/4"	
	10	1"	
	5	2"	
	3.5	3"	
.187"	2	6"	
	14	1/2"	
	11	3/4"	
	9	1"	
	5	2"	
	3.5	3"	
	2	6"	
	.250"	14	1/2"
		11	3/4"
		9	1"
5		2"	
3.5		3"	
2		6"	
.375"		14	1/2"
		11	3/4"
		9	1"
		5	2"
	3.5	3"	
	2	6"	

