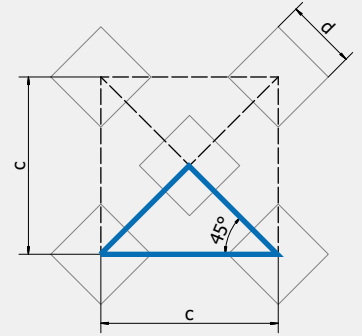


Square Hole (45 ° C Staggered)

Perforation diameter (d)

Center distance (c)

$$\text{Open area (\%)} = 2 \times \frac{d^2}{c^2} \times 100$$



d (mm)	c (mm)	Open area (%)
3	7.5	32.0
4	10	32.0
5	12	34.7
6	14	36.7
6	16	28.1
6.3	16	31.0
7	18	30.2
8	20	32.0
8	24	22.2
10	22.5	39.5
10	24	34.7
12	24	50.0
12	25.5	44.3
12	27	39.5
14	28	50.0
14	28.3	48.9

d (mm)	c (mm)	Open area (%)
14	31	40.8
14	32	38.3
15	29.7	51.0
15	30	50.0
16	30	56.9
16	32	50.0
18	40	40.5
19	40	45.1
20	40	50.0
20	55	26.4
21	40	55.1
22.4	46	47.4
23	46	50.0
25	44	64.6
25	50	50.0
30	54	61.7

d (mm)	c (mm)	Open area (%)
30	60	50.0
30	65	42.6
31.5	60	55.1
32	60	56.9
34	60	64.2
35	60	68.1
35	63.6	60.6
40	72	61.7
45	74	74.0
45	78	66.6
50	92	59.1
55	102	58.2
60	114	55.4
100	170	69.2
120	230	54.4