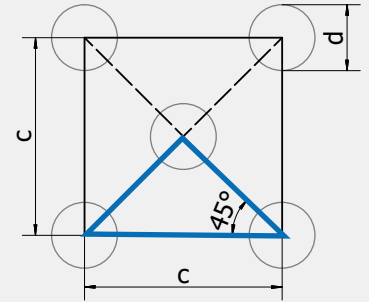


Round Hole (45 ° C Staggered)

Perforation diameter (d)

Center distance (c)

$$\text{Open area (\%)} = 1.57 \times \frac{d^2}{c^2} \times 100$$



d (mm)	c (mm)	Open area (%)
0.8	2.5	16.1
2	6	17.4
2	7.5	11.2
2	8	9.8
2.5	8	15.3
3	8	22.1
3	12	9.8
3	14	7.2
3	27	1.9
3.2	8	25.1
3.6	8	31.8
4	8	39.3
4	12	17.4
4	45	1.2
5	9	48.5
5	12	27.3
5	14	20.0
5	20	9.8

d (mm)	c (mm)	Open area (%)
5	25	6.3
5	28	5.0
5	30	4.4
6	10	56.5
6	16	22.1
6	20	14.1
6	30	6.3
6.3	30	6.9
7	14	39.3
8	18	31.0
8	30	11.2
10	27	21.5
10	28	20.0
10	30	17.4
10	45	7.8
12	27	31.0
12	28	28.8
12	50	9.0

d (mm)	c (mm)	Open area (%)
13	40	16.6
14	30	34.2
14	32	30.1
14	34	26.6
15	34	30.6
15	40	22.1
16	34	34.8
16	40	25.1
16	45	19.8
16	90	5.0
18	34	44.0
18	56	16.2
20	40	39.3
20	50	25.1
26	50	42.5
32	60	44.7
40	72	48.5
50	92	46.4