

ROUND HOLE			SQUARE HOLE	
DIAMETER OF HOLE (INCHES) DIVIDED BY CENTERS (D/C)	60° STAGGERED CENTERS % OPEN AREA	STRAIGHT CENTERS % OPEN AREA	SIDE OF SQUARE (INCHES) DIVIDED BY HOLE CENTERS (S/C)	STAGGERED CENTERS & STRAIGHT CENTERS
0.200	4%	3%	0.200	4%
0.225	5%	4%	0.225	5%
0.250	6%	5%	0.250	6%
0.275	7%	6%	0.275	8%
0.300	8%	7%	0.300	9%
0.325	10%	8%	0.325	11%
0.350	11%	10%	0.350	12%
0.375	13%	11%	0.375	14%
0.400	16%	13%	0.400	16%
0.425	16%	14%	0.425	18%
0.450	18%	16%	0.450	20%
0.475	21%	18%	0.475	23%
0.500	23%	20%	0.500	25%
0.525	25%	22%	0.525	28%
0.550	27%	24%	0.550	30%
0.575	30%	26%	0.575	33%
0.600	33%	28%	0.600	36%
0.625	35%	31%	0.625	39%
0.650	38%	33%	0.650	42%
0.675	41%	36%	0.675	47%
0.700	44%	39%	0.700	49%
0.725	48%	41%	0.725	53%
0.750	51%	44%	0.750	56%
0.775	54%	47%	0.775	60%
0.800	58%	50%	0.800	64%
0.825	62%	54%	0.825	68%
0.850	66%	57%	0.850	73%
0.875	70%	60%	0.875	77%
0.900	74%	64%	0.900	81%
0.925	78%	67%	0.925	86%
0.950	82%	71%	0.950	90%

D - Diameter of Hole

Calculating Percentage of Open Area:

Round Hole - 60° Staggered Centers

Round Hole - Straight Centers

Square Hole - Staggered Centers & Straight Centers

S - Side of Square Hole

$$\frac{D^2 \times 90.69}{C^2}$$

$$\frac{D^2 \times 78.54}{C^2}$$

$$\frac{S^2 \times 100}{C^2}$$

C - Hole Centers

Superior Service, Quality and Performance ... That's The Hole Story®!

