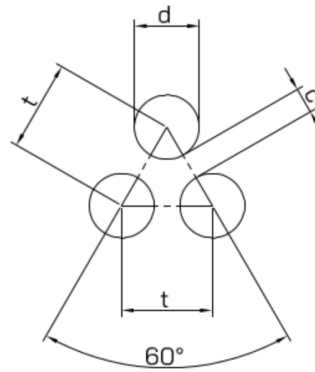
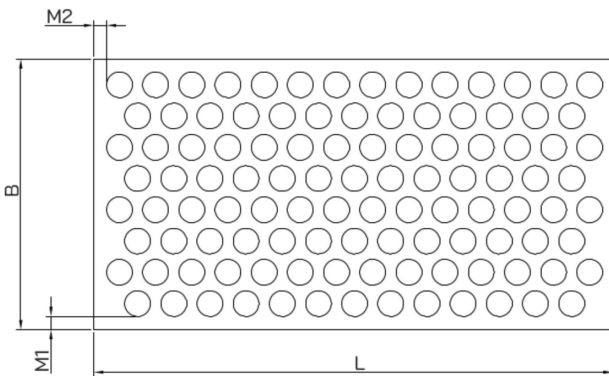


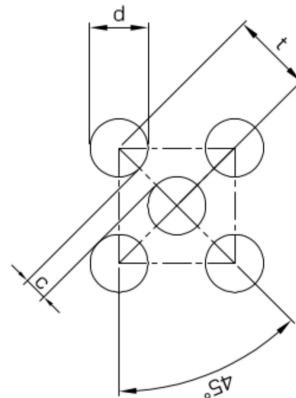
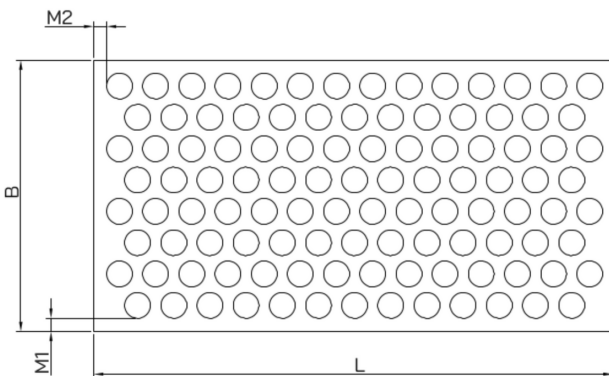
Alternate perforation 60°



B - material width
L - material length
t - perforation step
d - hole diameter
c - bridge
 $t = d + c$
M1, M2 - margin
Fo - power throughput

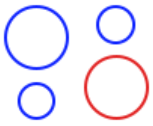
$$Fo = \frac{d \times d \times 90,7}{t \times t} = (\%)$$

Alternate perforation 90°

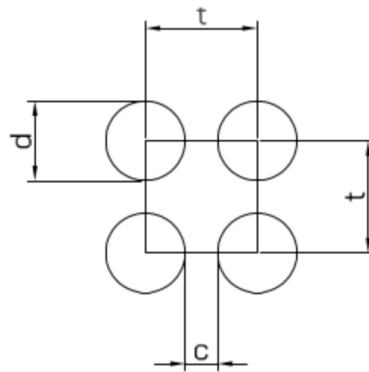
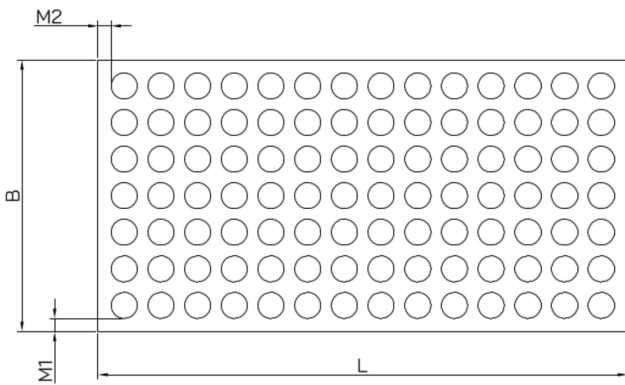


B - material width
L - material length
t - perforation step
d - hole diameter
c - bridge
 $t = d + c$
M1, M2 - margin
Fo - power throughput

$$Fo = \frac{d \times d \times 78,5}{t \times t} = (\%)$$



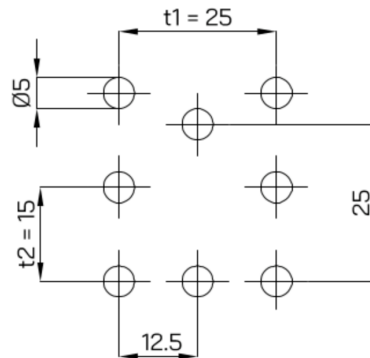
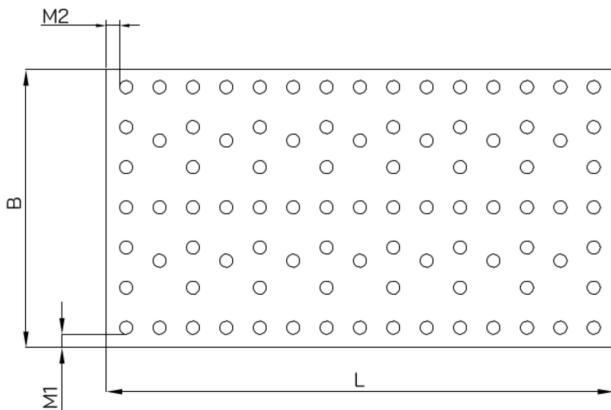
Parallel perforation



B - material width
L - material length
t - perforation step
d - hole diameter
c - bridge
 $t = d + c$
M1, M2 - margin
Fo - power throughput

$$Fo = \frac{d \times d \times 78,5}{t \times t} = (\%)$$

Euro perforation



B - material width
L - material length
t1, t2 - perforation step
d - hole diameter
M1, M2 - margin
Fo - power throughput

$$Fo = 8,38\%$$