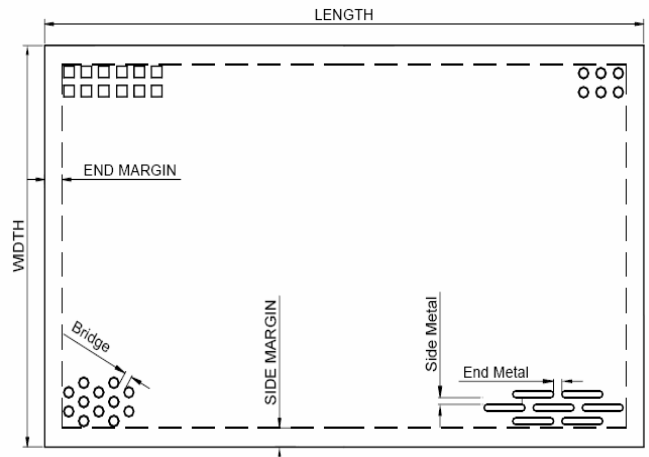


## How To Order Perforated Metals

### When ordering please quote

1. Material
2. Thickness
3. Dimensions
4. Hole shape
5. Hole arrangement
6. Margins
7. In case of slotted holes (direction)
8. Any other information

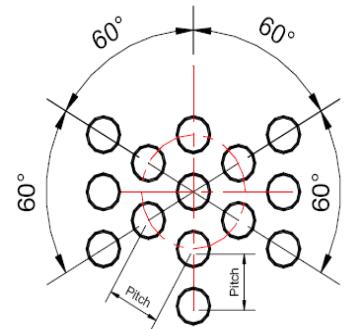


### Standard Staggered Pitch For Round Holes

The holes are staggered at 60° angles, the bridges and amount of metal between holes are the same in all directions thus giving even wear and strength.

$$\text{Open Area (\%)} = \frac{0.785 \times R^2}{0.866 \times T^2} \times 100$$

T = Pitch (mm)  
R = Hole Size (mm)

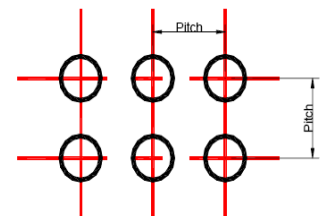


### Straight or Square Pitch for Round Holes

The holes are in parallel lines. This pattern is not used much for screening purposes except in the case of very small holes. It is the weakest pattern of all and stretches the material excessively.

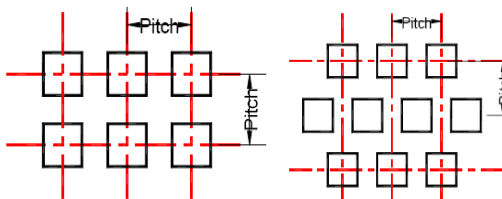
$$\text{Open Area (\%)} = \frac{0.785 \times R^2}{T^2} \times 100$$

T = Pitch (mm)  
R = Hole Size (mm)



### Square Holes are Arranged with Staggered or Straight Pitches

Punched with a square tool these holes can be in parallel or staggered lines.



C = Hole Size (mm)  
U = Pitch (mm)

$$\text{Open Area (\%)} = \frac{C^2}{U^2} \times 100$$

### Custom Punching

Croft can also produce custom shaped holes and pitches to your requirements. Please contact us for more information.