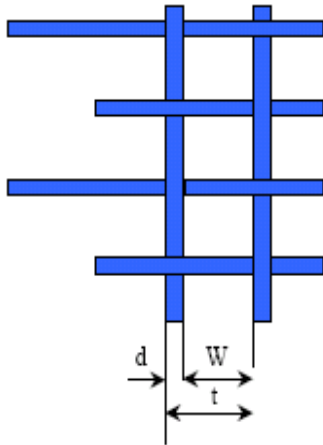


# CROFT ENGINEERING SERVICES

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## Terminology used for woven wire mesh



Aperture (w) = Space between the warp & weft wires

Wire diameter (d) = Wire diameter (mm or swg)

Mesh Count = The number of apertures in a lineal inch.

Pitch (t) = Distance between the centres of 2 adjacent wires

Warp Wires = Wires running lengthwise in a roll of mesh

Weft Wires = Wires running across the width of the roll

Open Area = The fractional open surface area of the wire mesh (square mesh only)

Weave Pattern = Construction of the wire cloth

## Formulae

$$\text{Mesh per linear inch} = \frac{25.4}{w(\text{mm}) + d(\text{mm})}$$

$$\text{No. of meshes per cm} = \frac{10\text{mm}}{w(\text{mm}) + d(\text{mm})}$$

$$\text{Aperture} = (t - d) = \frac{25.4}{\text{Meshcount}} - d (\text{mm})$$

$$\text{Screening Area or Open area (\%)} = \frac{w (\text{mm})}{[w(\text{mm}) + d(\text{mm})]^2} \times 100$$

$$\text{Weight (kg / m}^2\text{)} = \frac{d \times \text{sg}(\text{kg / m}^3\text{)}}{618 \times [w(\text{mm}) + d(\text{mm})]}$$

**Please note that wire mesh is woven using British standard metric sizes, replacing Standard Wire Gauge. Our Woven Wire Mesh tables show imperial sizes for comparison.**



Proprietors: R.N. Burns A.M. Burns



INVESTORS IN PEOPLE