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Woven Wire Apertures & Wire Diameters

AEG manufacture mesh from 2.0mm to 125mm aperture and wire diameter from 1.5mm to 12.5mm. Rectangular/slotted apertures are also available from within the apertures and wire range.

Aperture Measurement

Width of Opening or Space represents the actual clear distance between parallel wires. Thus, illustration at right has 10mm clear opening or spaces.

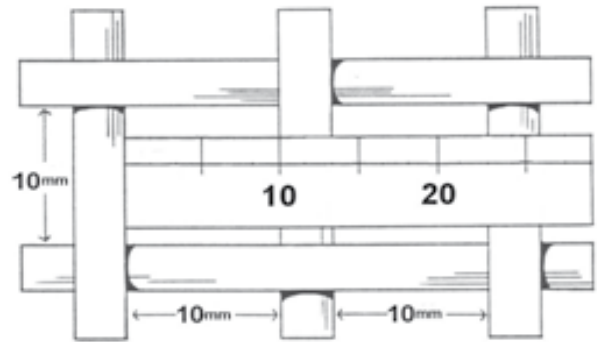
The correct procedure for measuring apertures should be the sum of 10 apertures and wires, subtract 10 wire diameters and then divide the total by 10, to give average aperture.

Tolerances

Woven mesh is woven to normal commercial tolerances. The standard of accuracy we have adopted for our production is $\pm 5\%$. Generally however our tolerances are within $\pm 3\%$. Any special needs should be mentioned when ordering your mesh.

Effective Aperture

It is recommended that an aperture size 1.1 times greater than the desired product size be used. This can vary and factors such as screen angles should be considered.



Selecting an Aperture & Wire Diameter

Aperture selection can be complicated by many factors. Listed below are some factors to take into account:

1. Screen inclination
2. Product shape
3. Screen speed
4. Screen amplitude
5. Moisture content
6. Material feed rate
7. Location of deck [top, middle or bottom deck]
8. Importance of open area
9. Material feed size

If ordering a slotted aperture always state the direction of the long aperture in relation to the dimensions, i.e. long aperture parallel to the length or the width. In most cases we can manufacture either but please check with the factory first.

Angle of Screencloth	Effective Aperture
8°	99%
15°	95%
18°	93%
20°	90%
30°	82%

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