Technical Data Sheet

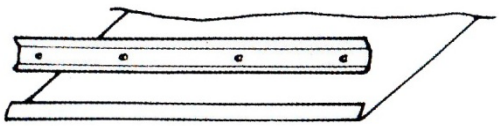
Screencloth Specifications:

Please find following information to assist in gathering all of the correct details for your screen cloth.

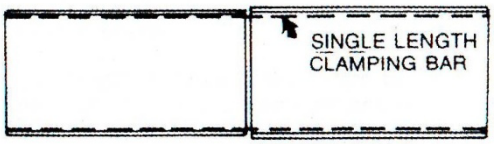
Length of Screencloth

Agile Screening recommends that all screencloth dimensions be in mm to the nearest 5mm ie 6 feet = 1829mm = 1830 mm.

8 feet = 2438mm = 2440 mm

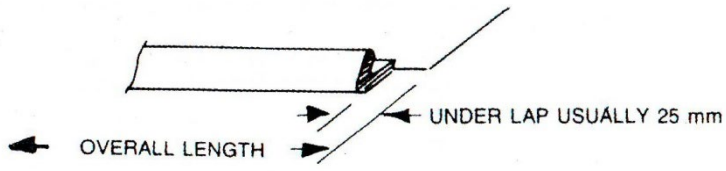


The length of a screencloth with hooked edges should be the same length as the length of the clamping bar, to provide for correct tensioning.



We DO NOT recommend the tensioning of two or more screencloths with a single clamping bar, as there can be variation in screencloth width, which results in the wider cloth not being held in correct tension.

When joining screencloths 12.5mm Aperture x 3.15 mm Diameter and fine, we recommend that the screencloths be cut back a minimum of 25mm.



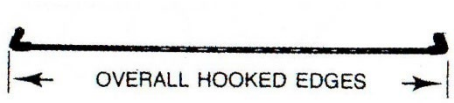
When ordering please advise;

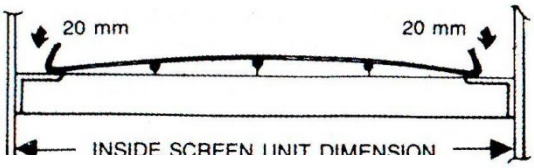
- Total overall length (screen cloth length + cut back)
- With hooks cut back (25mm one end) or preferred length

Width of Screencloth

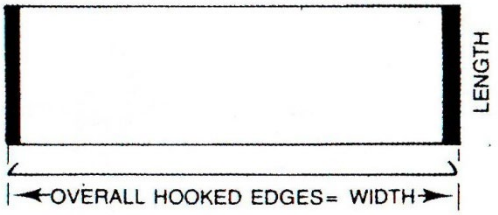
If ordering **without hooks** please order width as FLAT.

For standardisation with hooked edges, we measure the width as "overall hooked edges" (OAHE)





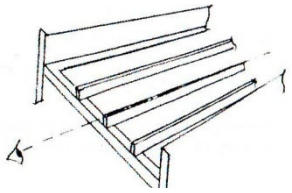
Generally the overall hooked edge dimension is the inside dimension of the unit less 40mm. This provides for 20mm clearance to each side of the screencloth.



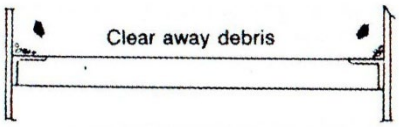
Screencloth Specifications

Where the length of the hooked edge side is less than the other dimension, we still refer to the "overall hooked edge" dimension as the width.

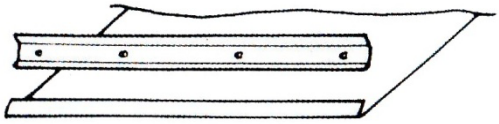
Installation of a Hooked Edge Screencloth



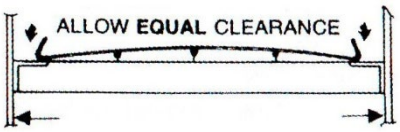
1. Check the Stringer Bars – ensure they are straight and true
2. Check that the Stringer Rubbers are firmly in place on the Stringer Bars



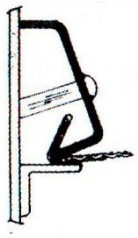
3. Clear away debris from the Support Ledges
4. Check you have the correct aperture



5. Check that the screencloth length is equal to the length of the clamping bar, and ensure clamping bars are straight and sound.

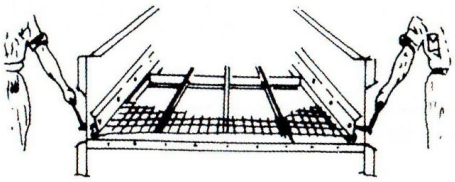


6. Install screencloth allowing equal clearance on both sides.



7. Engage clamping bars securely into hooked edges taking care they clear any sheetmetal lip.

8. From the centre of the screencloth install pre-greased tensioning bolts and tighten both sides. We recommend tensioning be done simultaneously to ensure even tension across the cloth.
9. Recheck all tension bolts again following 1 hour's running. The amount of re-tension will depend upon the particular specification but generally all screencloths will required re-tensioning, as the wires bed into the pre-crimped forms.



How much tension?

This factor will largely depend upon the Aperture x Diameter of Wire x Width of Screen. However as a guide, satisfactory tension should be achieved on most standard cloths at above 4.5 Nm (40 lbf/in^2) with no concern in going up to 10 Nm (90 lbf/in^2) or more.

For fine mesh aperture and other fine specifications the general rule is drum tight.