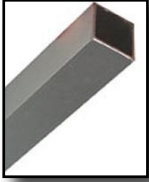


MAKE A LIGHTWEIGHT 1 METRE PLANNING FRAME:

MATERIALS



4 x 1 metre lengths of Aluminium Square Tube (You can find this in major hardware stores) .. though if you check blacksmiths in your area, you may be able to find it cheaper, and have it cut to 1 metre lengths) - We use FFA Concept Aluminium Square Tube (L)1000mm x (W)20mm x (H)20mm (circa £7.50 each)

2 pkts FFA Concept Double Joiners For 20mm Square Tube T1 Black (circa £4.50-£5) (giving 4 complete 90 degree corners)
We again got these from B&Q



Braided Nylon Construction Line
for creating 100mm squares = 22m (think about two colours for ease of use)
for 200mm squares = 12m

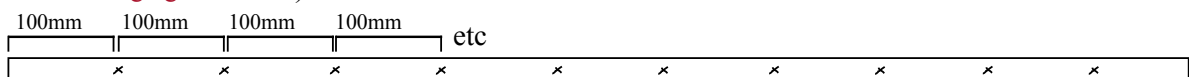
EQUIPMENT

Nothing more complicated than a drill with an 8 gauge drill bit (5mm)
A tape measure to measure the hole locations.
A marker pen.
A punch or similar (I even used a philips screwdriver to start off the hole)



CONSTRUCTION

- Using the tape measure, mark with the pen along the centre line of each square sectioned tube, the location of the holes (either every 200mm or 100mm - depending on what you want the Final planning frame to have) (#Note - you could always drill every 100mm but 'string up' every 200mm - this would allow you the flexibility to string up a 100mm grid if you wanted)
- With all four square sectioned tubes marked up as shown below, drill through both sides of the rod (after first 'punching the hole to ensure the drillbit does not skid. Then lay in a square with the holes facing each other (#Note - It is a mistake you only make once, as if teh holes do not face each other, you will have trouble in stringing the frame!)



- Fit the corner pieces and create your planning frame shape.
- Push through the string at the start of one side and continue backwards and forwards to the matching hole, along the exterior and back in again. (#Note - If you are stringing every 100mm, it is worth using a different colour for either every alternating hole - or on the 500mm hole - as this makes planning much easier with these visual clues!)
- Tie off one end, securely and gently burn the knot to melt the nylon and prevent knot slippage, now tension each line, and continue until you reach the end. Tie off - but wrap around the tube several times, to allow for re stringing or repair.(once again burn/seal the final knot.)