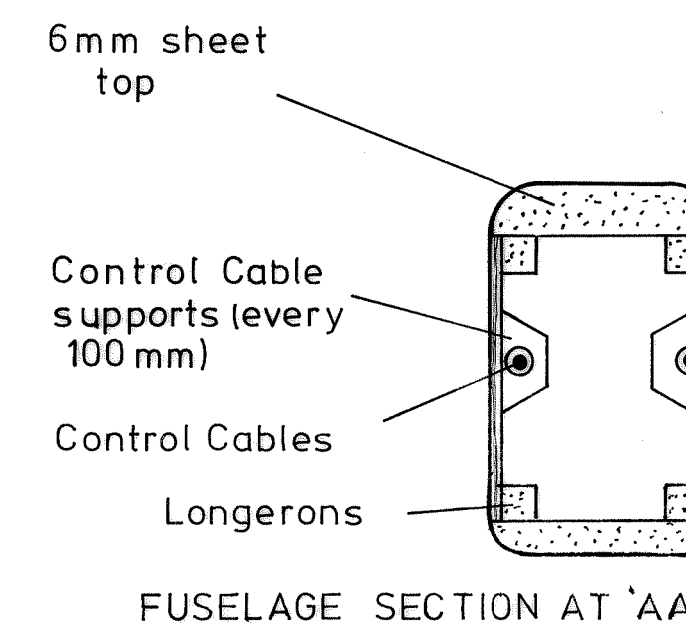
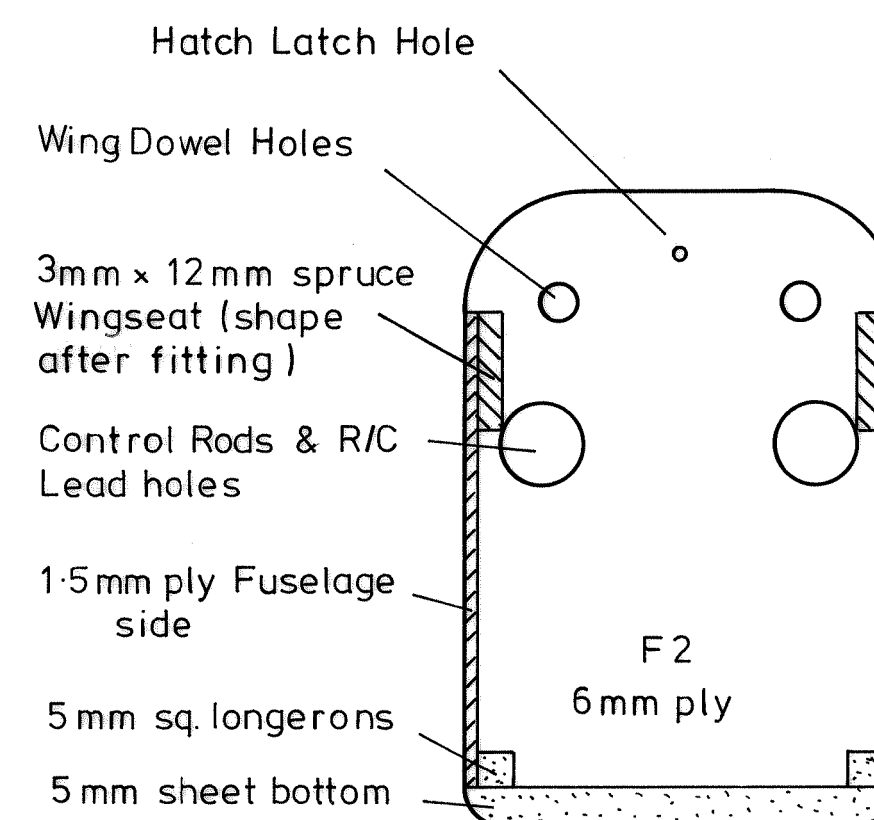
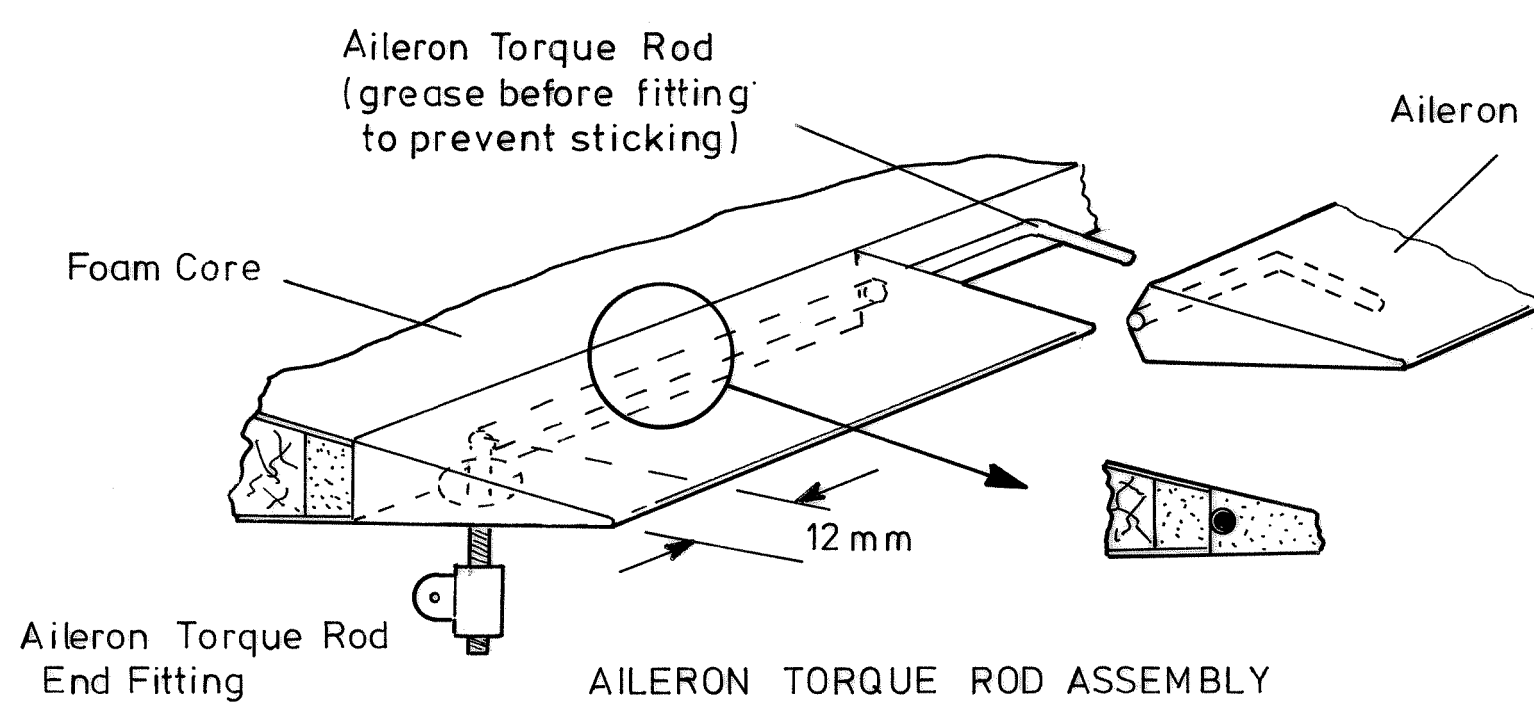
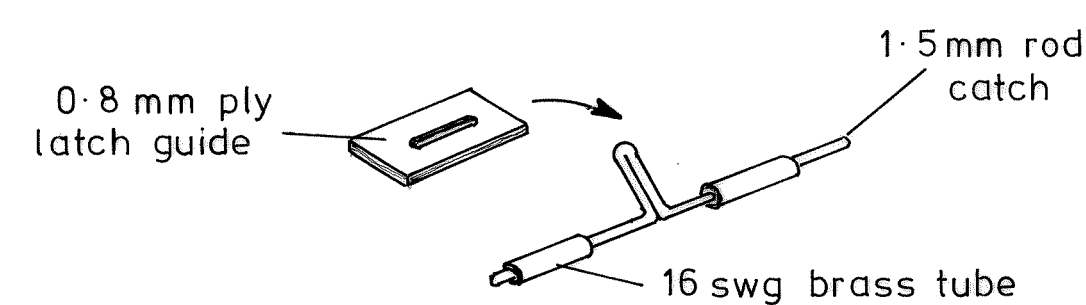


SIERRA Mk2

Designed by Stan Yeo
1590mm span Aerobatic Slope Soarer

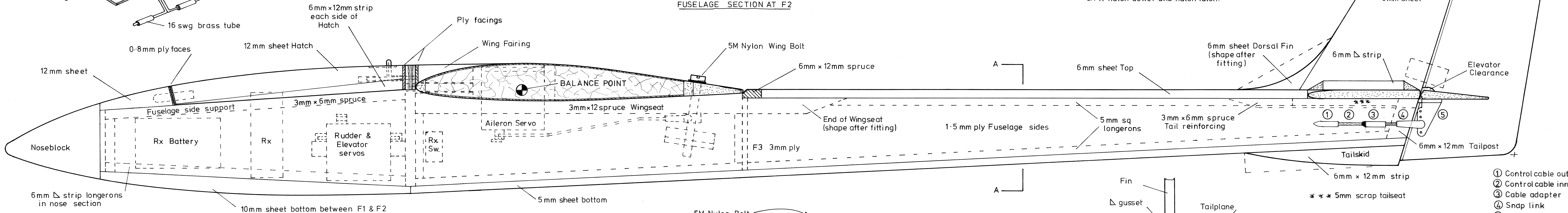
All wood balsa unless otherwise stated

HATCH LATCH DETAIL



FUSELAGE BUILDING NOTES

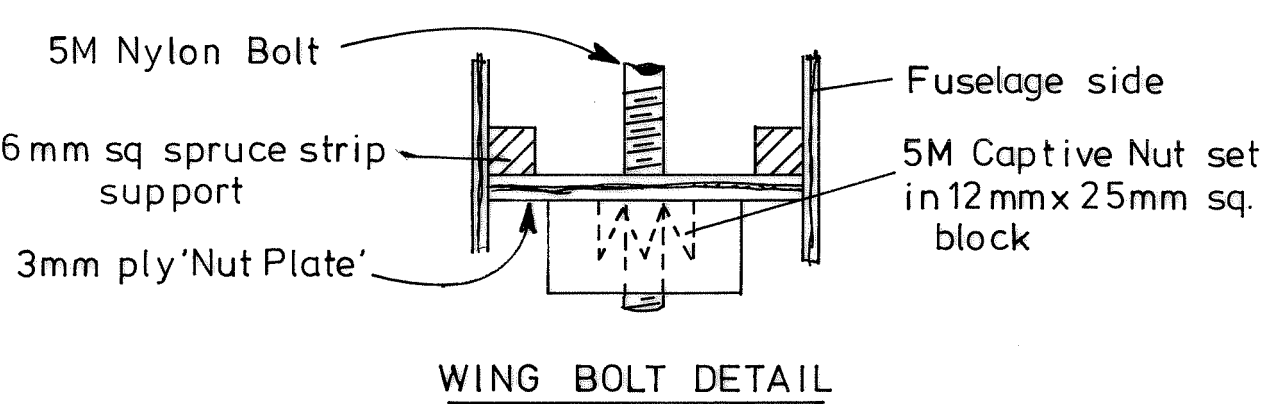
1. Glue strip frame to fuselage sides ensuring there is a left & right side. Trim wingseat.
2. Plan radio installation and drill required holes for controls in F2 & F3.
3. Position fuselage sides over plan view of fuselage and fit F2 & 3. When glue is dry fit F1 and glue tailpost. Ensure all formers are square and fuselage is straight.
4. Fit rear fuselage top decking & wing support.
5. Remove from plan and fit control cables. Anchor to fuselage sides every 100mm.
6. Add bottom sheeting and construct nose section as a single block including hatch and noseblock. Hold hatch in place with extra piece of 0.8mm ply. This also allows for the thickness of the covering material.
7. Shape nose section as a unit when construction is complete.
8. Fit hatch dowel and hatch latch.



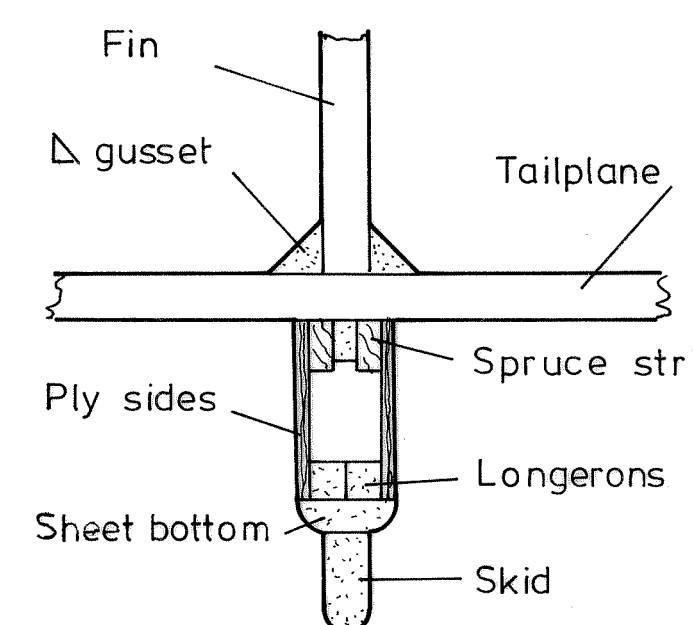
RECOMMENDED ADHESIVES

Wood to Wood - Resin W (PVA)
All other joints - Two Part Epoxy (Araldite). For Wing Bandage use Polyester (fibreglass) Resin

NOTE: Lightly sand fuselage side before gluing to remove any release agent



SECTION THRO' TAIL



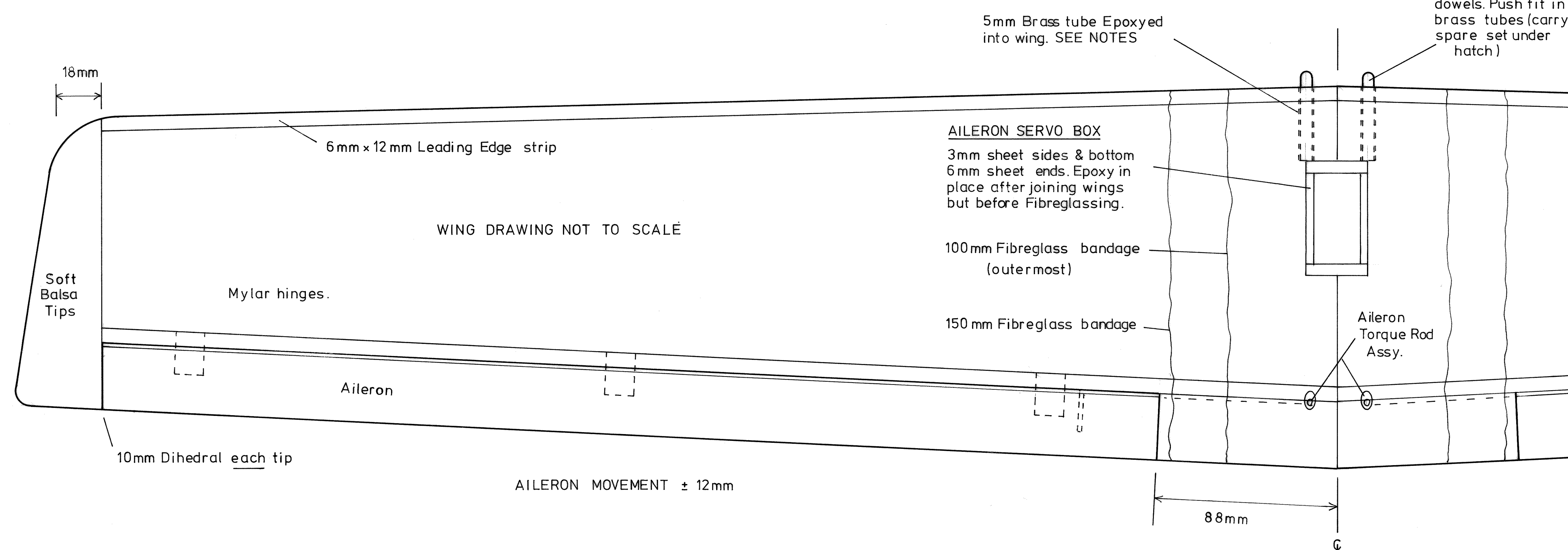
- ① Control cable outer
- ② Control cable inner
- ③ Cable adapter
- ④ Snap link
- ⑤ Control horn

WING BUILDING NOTES

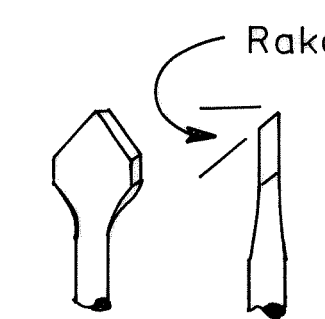
1. Sand wing leading edges to provide a good gluing area and attach L.E. using Epoxy using Masking tape to hold in position.
2. Sand L.E. to shape using a 180 grit Wet & Dry sanding block.
3. Fit Aileron Torque rods to Tr. Edge centre section and Epoxy to wing. Grease torque rods to prevent sticking.
4. Sand T.E. to shape and join wings using Epoxy.
5. Construct Aileron servo box in wing and Epoxy in position. Check wing joint is sealed with Epoxy to prevent polyester resin damage.
6. Support wing vertically on trailing edge and attach fibreglass bandages using Polyester Resin. Extend resin 12mm beyond bandage.
7. Sand wing bandage using 80 grit Wet & Dry taking care not to damage veneer. Add Tips

WING DOWEL HOLE DRILLING

1. Fit finished wing, less fairing, securely to fuselage and mark wing dowel hole centres on the front face of F2.
2. Using the Piano Wire Drill, drill dowel holes through both F2 and Wing L.E. Use wing dowel to hold wing in position for 2nd hole.
3. Fit 6swg brass tubes to wing (back to Aileron servo box) and Epoxy in position.



WING DOWEL DRILL



1. Heat end of 450mm length of 8swg (4mm) piano wire and flatten end.
2. Shape to spear type point & grind in rake to assist cut.
3. Heat tip to cherry red and quench in water.
4. Drill a test hole to check diameter of drill. Adjust as necessary.

IMPERIAL EQUIVALENTS

- 0.8 mm = 1/32 in
- 1.5 mm = 1/16 in
- 3.0 mm = 1/8 in
- 5.0 mm = 3/16 in
- 6.0 mm = 1/4 in
- 10 mm = 3/8 in
- 12 mm = 1/2 in