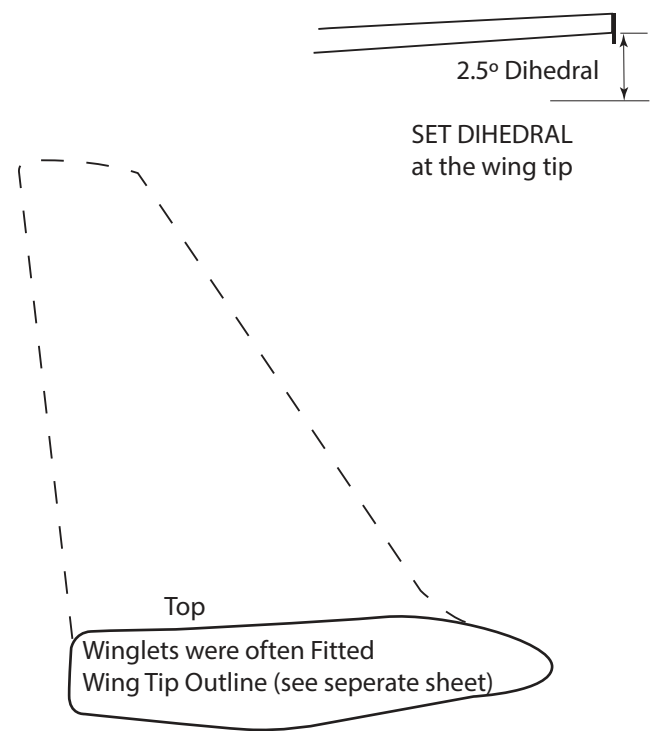
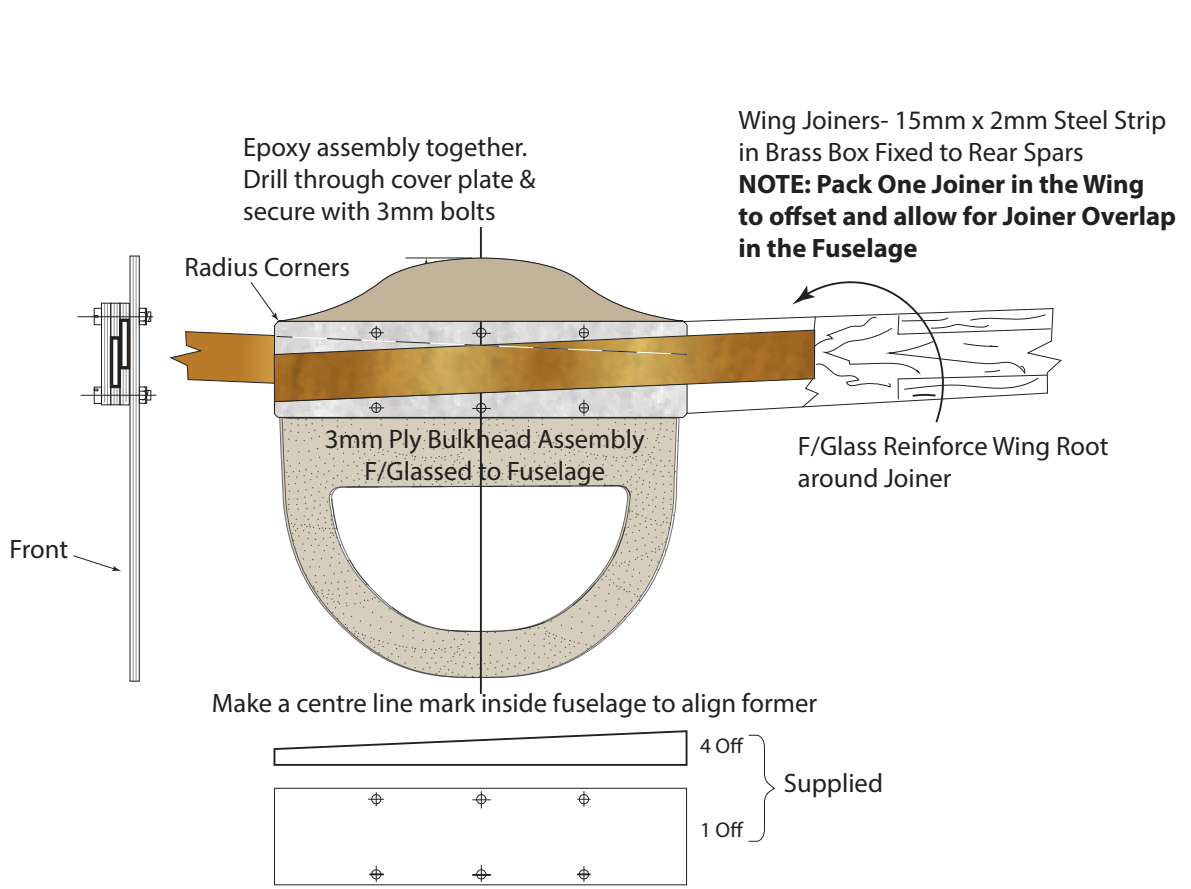


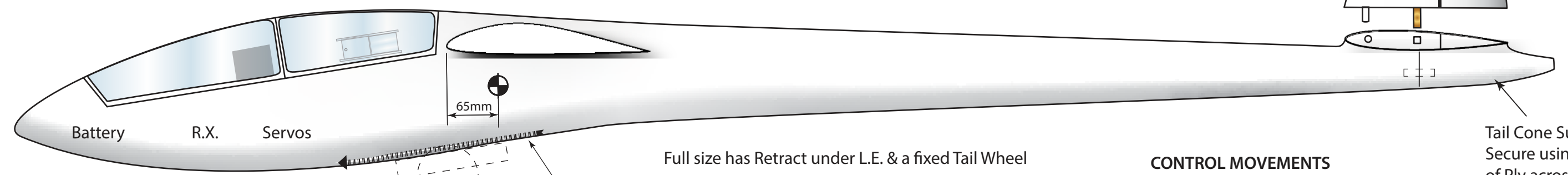
Plans for the Wing and Tailplanes on separate sheet



**Note: Joiners for Tailplanes Overlap In The Fuselage**  
 Offset Brass Tube for other Tailplane to compensate and in the fuselage



'V' TAIL FIXING



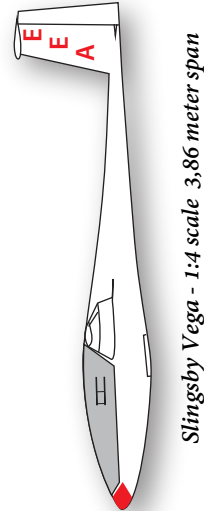
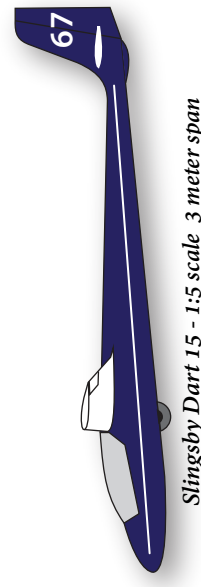
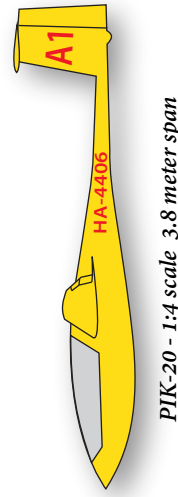
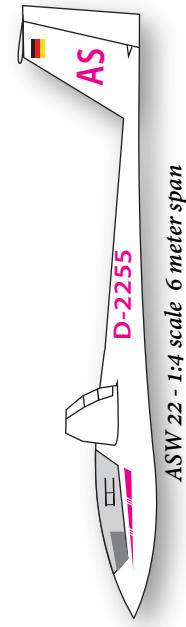
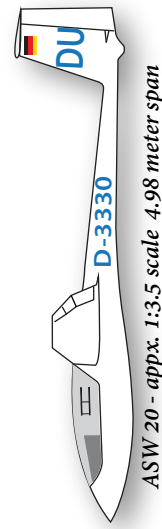
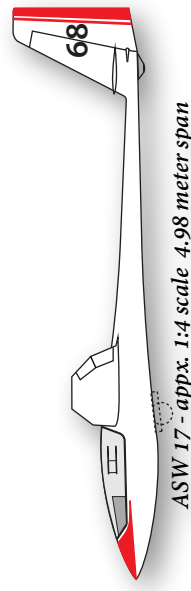
If installing a Retract, strengthen the floor with a length of 7mm f/glass tape

**CONTROL MOVEMENTS**

AILERONS	10
RUDDER	10
FLAP	90° Landing / -10° Speed

Tail Cone Supplied Secure using Tongues of Ply across the join

## Other models in the Pat Teakle range



# Pat Teakle

The ever popular moulded scale glider series

PRESENTS :

The 3.8 meter

## Schreder HP-18

Supplied by :



Full size information

## HP-18

The HP-18 is one of the most successful of all U.S. homebuilt sailplanes in terms of numbers built: more than 180 kits were sold worldwide, about 50 of them to builders in Canada, Israel, Australia, New Zealand, Finland, Norway, Argentina, Mexico and Germany. More than 50 of them are flying in the U.S., and others pop out of garages with each new soaring season. The ship has a forward fuselage of fiberglass and a sheet metal rear fuselage. The wing is built up from a metal spar, with foam ribs to which the aluminium skin is bonded. This 15-Meter Class ship carries 200 lbs (90.5 Kg) of water ballast inside the wing box spar; features flap-aileron coupling and retains the popular 90 degree flap deflection to permit steeper landing approaches and lower, safer touchdown speeds. The control stick is side-mounted with attached brake handle and trim tab.

### Technical Details

L/D max: 40  
Min. Sink: 1.8 fps @ 50 mph,  
1.07 kts @ 43.5 kts,  
.55 m/s @ 80.5 Km/h  
Span: 49.2 ft, 15 meters  
Area: 113 sq.ft, 10.5 sq.meter  
Aspect Ratio: 21.4  
Empty weight: 470 lbs, 213 Kg  
Gross weight: 970 lbs, 425 Kg  
Wing Loading: 6.8 to 8.58 lbs/sq.ft,  
31.8 to 40.5 Kg/sq.meter  
Airfoil: Wortmann 67-150

Note: The published min. sink and speed yields a L/D of 40.6 which is not consistent with a L/D max of 40.

