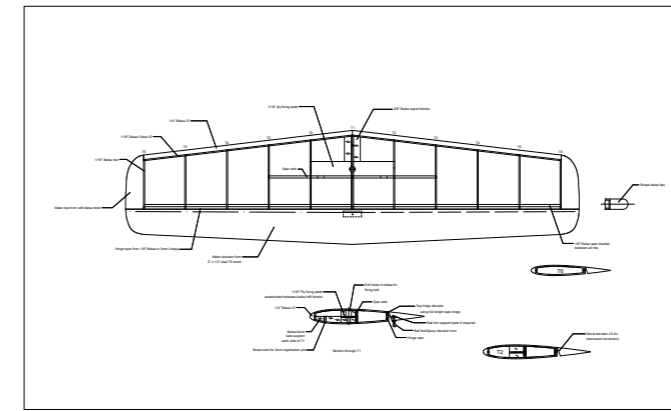
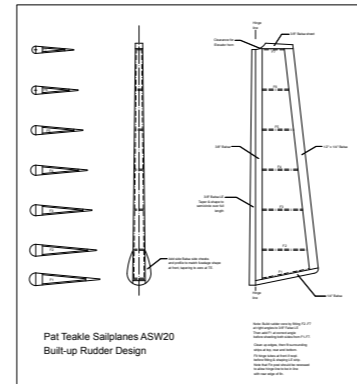
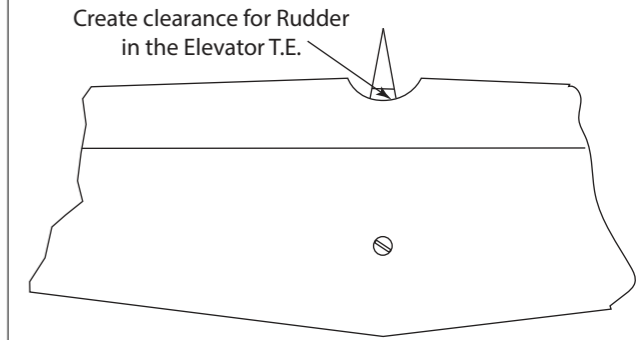


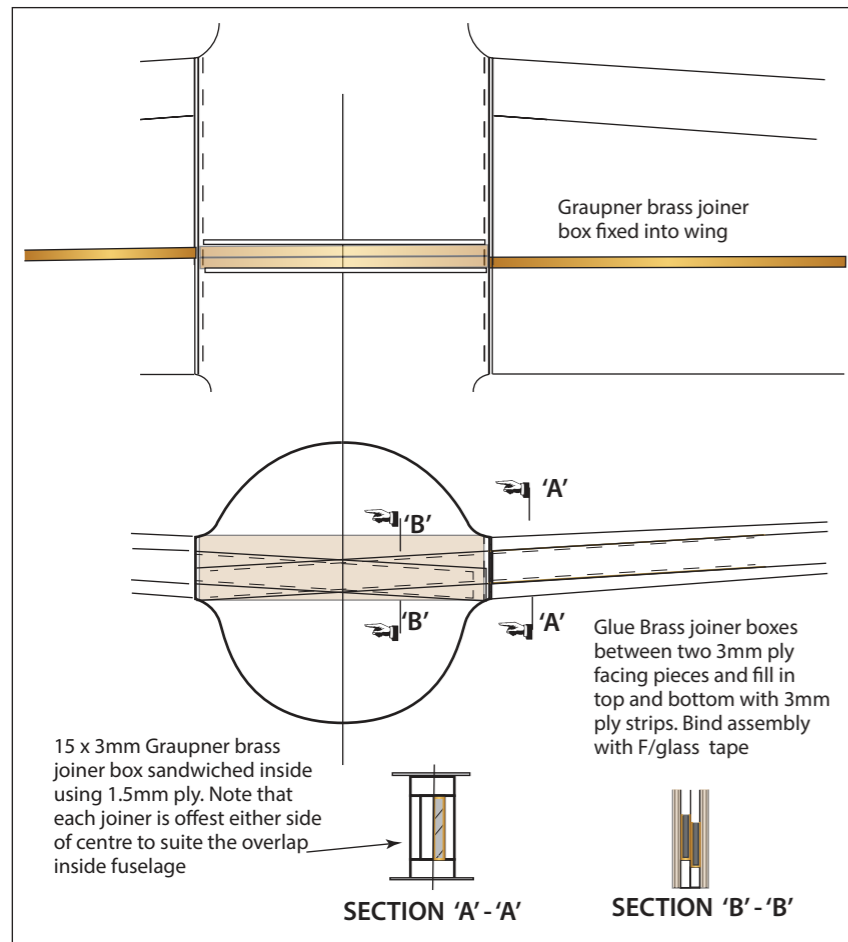
1:3.5 scale ASW20/BL Plan for Wings



1:3.5 scale ASW20/BL Plan for Tailplane



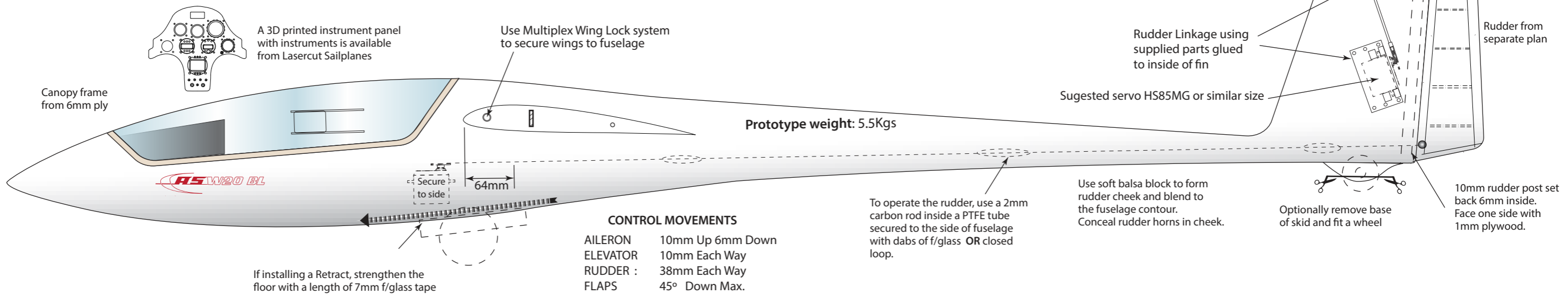
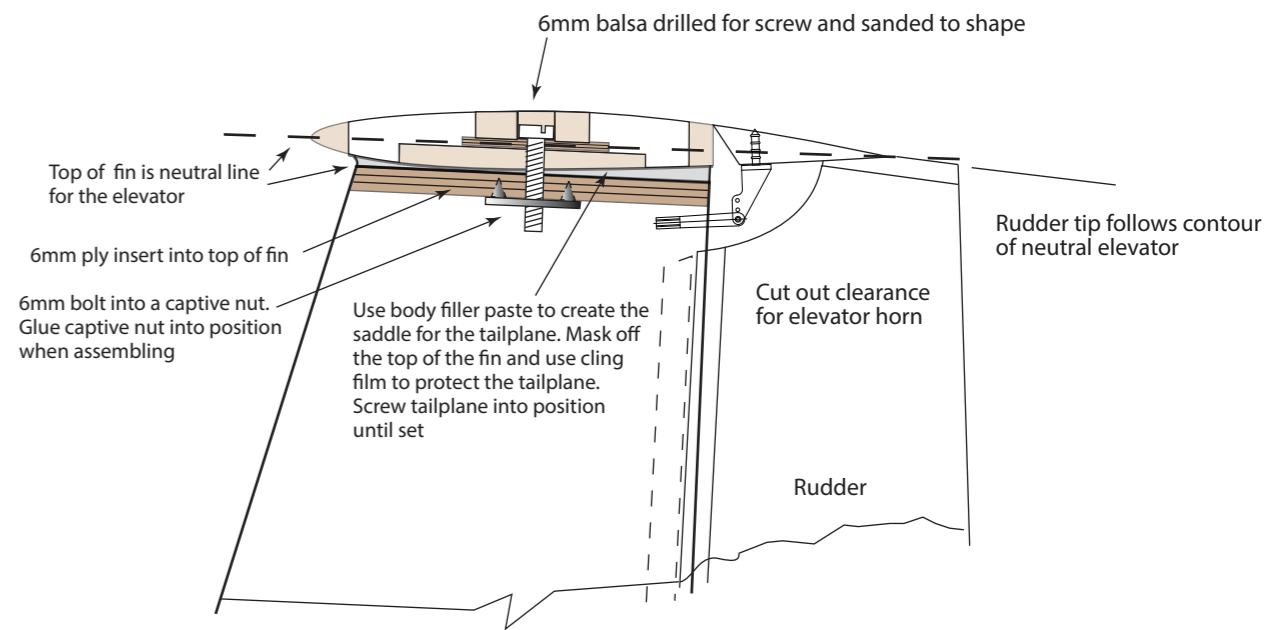
1:3.5 scale ASW20/BL Plan for Rudder



Glue Brass joiner boxes between two 3mm ply facing pieces and fill in top and bottom with 3mm ply strips. Bind assembly with F/glass tape

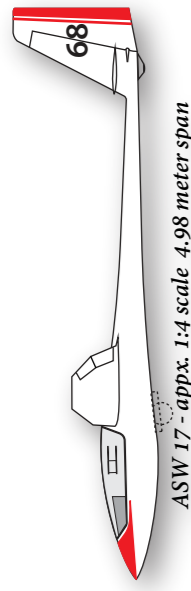
SECTION 'A' - 'A'

SECTION 'B' - 'B'

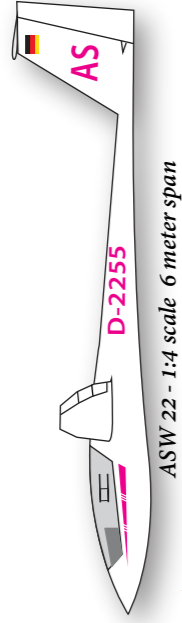


CONTROL MOVEMENTS	
AILERON	10mm Up 6mm Down
ELEVATOR	10mm Each Way
RUDDER :	38mm Each Way
FLAPS	45° Down Max.

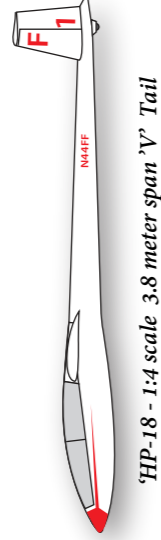
Other models in the Pat Teakle range



ASW 17 - appx. 1:4 scale 4.98 meter span



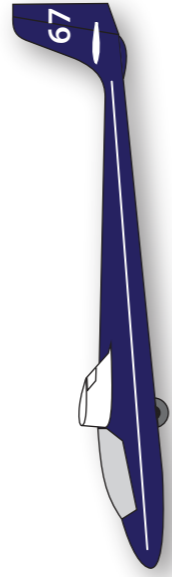
ASW 22 - 1:4 scale 6 meter span



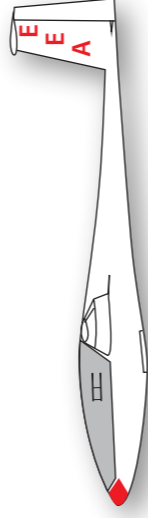
HP-18 - 1:4 scale 3.8 meter span 'V' Tail



PIK-20 - 1:4 scale 3.8 meter span



Slingsby Dart 15 - 1:5 scale 3 meter span



Slingsby Vega - 1:4 scale 3.86 meter span

Full size information

The ASW-20 first flew in 1977 and was an instant success, winning numerous world and national championships. Built for the 15 m. racing class, it features trailing edge flaps which interconnect with the ailerons and allow the entire trailing edge to operate as a flap between -9 and +5 degrees. The flaps also act as ailerons, but deflect only half of the aileron amount. The fuselage is similar to that of the ASW-19. Schenpp-Hirth type airbrakes are provided on the upper wing surface only and operate in conjunction with the flaps at approach setting.

The -20B model was introduced in 1983 incorporating new aerodynamic developments in the form of pneumatic ('turbulator') jets (about 860) placed in the lower wing surface, drawing impact air from pitot inlets and exhausting it into the boundary layer to delay underwing flow separation.

The B model has its gross weight increased to 525 kg / 1,157 lb. Other changes include automatic elevator hookup, an instrument cluster attached to the forward-hinged canopy, and a hydraulic disc brake. Water ballast of 120 kg / 264 lb. Schleicher was introduced an 'L' variant, with span extended to 16.59 m. by use of detachable tip extensions, making the ASW 20BL. In these, water ballast is restricted to 50 kg / 110 lb. and gross weight is 430 kg / 948 lb (BL).

With the extended tips, best glide ratio goes up to about 46. The ASW-20 was also license built by Centair in France in three variants. The ASW-20F and ASW-20FL are the Centair equivalents to the 20 B and 20BL model while the 20 FP is an F model with NASA winglets designed to improve performance in weak conditions.

Roy McMaster, Karl Striedeck and John Seymour won jointly, with others, the world triangle distance record of 1,435 km./ 891.6 miles in 1994 in an ASW-20B. ASW-20's won 2nd and 3rd places in the 15 m. class at the 1983 World Championships.

Pat Teakle

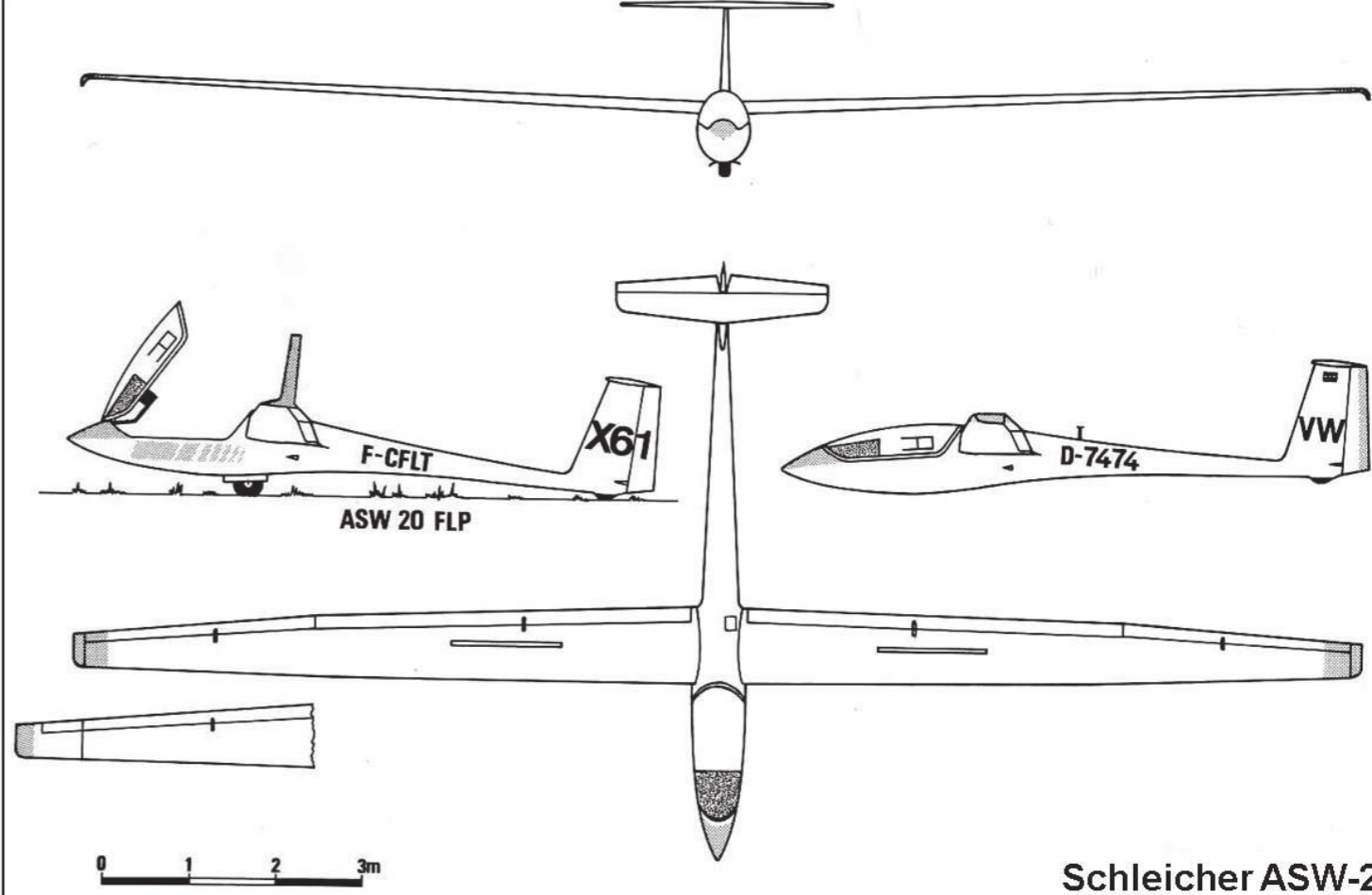
The ever popular moulded scale glider series

PRESENTS:

The 5 meter

ASW20 BL

Supplied by:



3-View by Richard Ferriere

Schleicher ASW-20