



PZL WILGA 35

designed by

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Scanned and restored Jan., 2011 pdt

Aeromodeller Plans Service

13-35 Bridge Street, Hemel Hempstead, Herts.

ALL WOOD IS BALSA UNLESS OTHERWISE STATED.

3-1/8" Dowel pegs at 120°

Sheet with 1/16"

Cowl outer from 3/8" Sht segments

Cowl inner rings from 1/2" sheet

Original had 5cc 'DART' diesel

Commercial F/F Tank

U/c braces bound & soldered & epoxied to doubler

Cheek pieces added after fuselage sheeting, then sht covered to give cowl extensions

Outer cowl ring built round a tumbler or similar sized former

1/2" Sheet discs inside

2.3/4" I.Dia.

2" Dia. sponge wheels

Leg fairings 1/2" Sheet, soft

Undercarriage leg. Lower brace 1 off

NOTE: Make a pair, handed!

1/4" swg. Brass tubes for piano wire 'dowels'

External stiffeners

3/32" H'wood dowel to simulate tube structure of the full size aircraft

1/16" Sheet skin: partly planked, part damped steamed, and wrapped

3/32" Ply platform

3/32" Dowel

3/8" Sht

1/16" Ply platform

3/32" Dowel

3/8" Sht

1/16" Ply platform

3/32" Dowel

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3/8" Sht

1/16" Ply platform

3/32" Dowel

3/8" Sht

1/16" Ply platform

3/32" Dowel

MATERIALS LIST		
7 off 36x1/8sq. MEDIUM	2 off 36x1/4sq. MED.	2 off 12x1/4sq. BRASS TUBE.
2 " 36x1/16sq. "	1 " 36x1/32sq. "	1 " 36x1/8sq. PLANO WIRE
5 " 36x1/16sq. "	1 " 36x1/8sq. "SOFT.	1 " 36x1/4sq. "
1 " 36x1/2x1/8 " "	2 " 36x1/4x1/16 MED.	1 " 12x12 of 1mm PLY.
1 " 36x1/4x1/8 " "	1 " 18x3x1/2 SOFT.	1 " 12x6 SHEET ACETATE
2 " 36x1/4x1/16 " "	1 " 7x1/4x5/16 BEECH.	1 Pr. 2" Wheels & 1 " Wheel.
1 " 36x3/8x1/8 " "	2 " 36x3/32 H'WOOD DOWEL.	Scrap 1/16"PLY, 1/4" & 5/8" SHEET.

1/16" Sht. top & bottom of wing centre section.
1mm Ply facing ribs.
Hole for wing attachment bands.
1/4" swg. tubes for wire wing joiner dowels.

3/32" H'wood dowels.

Acetate glazing

1/2"x1/8"

3/32" Sheet crutch

1/8" Sq. longerons.

1/8"x1/4" Keel.

External stiffeners.

Bind & epoxy tailwheel legs to keel & sandwich between 3/8" sheet fairing blocks

3/16" Sq. L.E.

1/8" Sq. Spar.

1/16" Sht. ribs.

1/4" Int. diam. Paxolin tube.

3/32" Gussets.

5/16" Sq., sand to L.E.

1/2"x1/8" Trailing edge.

Scrap 1/4" Sheet tips.

Main fuselage crutch, cut one in 3/32" Sht. See note that doublers are req'd at front.

Fin ribs, 1 off each.

J: 1/8"

K: 1/16"

L: 1/16"

M: 1/16"

Length of slot for C/S.

Former A: 1 off 3/32" Sheet. 1 off 1mm Ply.

Former B: 1 off 3/32" Sht. 1 off 1mm Ply.

Former C: 1 off 3/32" 1 off 1mm Ply.

Former D: 1 off 3/32 1 off 1mm Ply.

Former E: 2 off 3/32" Cut out centre disc on one.

Former F: 1 off 3/32" 1 off 1mm Ply.

Former G: 1 off 3/32"

NOTE: Pack up wing panel 1" at tip then cement root rib upright.

* USE 3" LENGTHS OF 14 S.W.G. WIRE AS WING DOWELS; BEND UP TO SUIT DIHEDRAL (4 OFF)

Front elevation of Port wing showing slot in place between 1mm Ply end ribs.

1" Dihedral (each panel)

L.E. Slats cement between ply and ribs After wing panels are covered and doped.

3/16" Sq. L.E.

1/32" Ribs.

1mm Ply.

1/8" Sq. Spars.

1/4"x1/16" T.E.

3/32" End ribs.

Trailing edge is built up, see wing rib outline drawing.

Flap / Aileron: Build and cover as separate assembly, add after wing is completed. Cement between ply ribs.

1/8" Sq.

3/32"

* Note that flap root rib should be angled to mate with wing root ribs

1/8" Sq.

1/32" Sheet base.

1/32" Sht. ribs.

3/32"

See note on root rib angle.

1/8" Sq.

1/32" Sheet base.

1/32" Ribs.

3/32"

See note on root rib angle.

1/8" Sq.

1/32" Sheet base.

1/32" Ribs.

3/32"

See note on root rib angle.

1/8" Sq.

1/32" Sheet base.

1/32" Ribs.

3/32"

See note on root rib angle.

1/8" Sq.

1/32" Sheet base.

1/32" Ribs.

3/32"

See note on root rib angle.

