This free plan provided courtesy of the Rees Family

1940

BOULTON PAUL DEFIANT F, MK-1

FOR WW2 EVENTS, DAVE REES

15MAR04, F-3.9, A=121 IN². 40GM

PSOA N1535

Prototype weight ± 40g.

COLOR: AERO GLOSS BLACK 63-4

HOOK TO PEG 13.3" x 3 = 40" MOTOR

NOTE - GOLDEN AGE KIT DECALS WILL COVER BLACK. JUST SPRAY ALL BLACK.

FUSE BASKET 5.7g

PAINTED W/NOSE BLK: 9.1g

COVERED: 11.2g

PAINTED BLK: 12.5

WING FRAME: 4.4g

COVERED = 6.6g

PAINTED BLK = 8.0g

ALL FORMERS WT: 2.8g - 1 = 1.8g

STICKS 1/16 SQ @ .13g = 8 LB

SPINNER W/ SHEATH 1.6g

1.0g ASSY

1/32 PLY

AA

5@.251 R:.80 EQ. SPACES 5 SPCS

B

20 stringers .0625 SQ.

5@.361 SPACING R 1.15

D

5 SPCS @ .327 R:1.04

C

5@.361 R:1.15

E

TYP B ROUNDELS BLU/RED TOP ONLY (G.A. KIT FITS)

WING SECTION @ 35%

7½°

½"

14½°

2"

1/20 SHT

1/20 RIBS

T/A RIB C = 2.85

DIHEDRAL RIB C = 4.76

BAMBOO 1/32 x 1/16 DEEP

RED

1/4 Balsa Spinner

1/32 PLY

1/2 THK END GRAIN SLICE

3/16 SHT - FILE TO SHAPE

3/4 Hole

1.5°

2.09

5°

2.3 WIRE

1/16 SQ ON TOP OF SPARS

C = 5.3827

.078 TUBING

HOT BEND THIS AREA

1" ON CTRS.

5.85

6.14

4.76

.156

.47

.48

.80

.78

1.624

1.287

.80

2" DIHEDRAL

1/16

MEASURE AT LAST RIB

A = 25.58 sqin (12.79 half) chord 5.382

14½°

1/2"

7½°

1/5.031 = 19.88%

2.937/5.031 = 58.38%

.5 LE = 9% max thick @ 35%

.033

.375

ROOT

1/20 SQ

.156 x .093

.078 x .250 TAPER TO .187

5.382 DIA.

1/4 WIDE RUD.

3/16 SHT.

3/16 SHT. SOFT

END OF FUSE

.010 ALUM.

1/8 x 3/16

1/20 x 3/16 RIBS

3/32 x 3/16

1/16 x 3/16

3/32 x 3/16

25% F=4.6

FORMER F

2.3W

.50

.44

.43

WING TE

G

CUT AWAY AFTER

2.3d

WING @ REAR SPAR

ROUND CORNERS TO FIT CANOPY OVER

W=2.88

.48

H

G1

A1 ROUNDELS

FABRIC COVERED RETRACTABLE FAIRING

KIT CANOPY 4.3gm

3.1 trimmed

BLANK BALSA PANEL FORMER

℄ TUR.

.093 ROLLED TISSUE TUBE

.020 WIRE

1.5g

½ SHT

9½" 24cm PROP 6gm

FILL PLANK ALL

AA

A

B

C

D

1½" INC

E

F

G

H

I

J

K

L

PLANK

ROOT RIB

BALSA

½ SHT

HOT BEND THIS AREA

GLUE 1/16 SQ TO TOP OF SPAR FOR SCOOP

⅛ FOAM BLU 6gm

panel lines: "O" PEN w/ higgins white ink #265

STAB

PLANK

THRUST ℄ LINE

STAB 3/16 THK

1/16 SQ

WHT

BLU

RED

AOG

1/16 x .20

.015 W

5/8 x 3/16 W FOAM

1/16 W x 3/32

frame: .6g covered & hinged 1.8g

frame: 2.0g covered & HINGED PAINTED BLK .2.3g

PAINTED BLK: 1.0