

inches

-20 aileron

servo -45 deg

servo -20 deg

servo +45 deg

balsa filler

0.015" Formica plates

0.75 oz glass wrap for anti-split insurance

1/16" sq. basswood edging

drill foam parallel to table

3/8"

With flap folded under wing, shaft hole in foam is parallel to bottom contact line.

+35 brake
+ 9 aileron
= +44 max

table

Weights

Yoke	0.15g
Shaft	0.60g
Wiper	0.50g
Pocket	0.65g

Total	1.80g

axial scores on all surfaces for solid bond

Stop block put in slot after wiper insertion

Torque Yoke

1K CF tow

9mm

Torque/bending shaft:
3 layers woven CF sock
2 layers 3 oz uni
1/16" ID
0.135" OD

4mm

2mm

wiper arm plane tilted 20 deg

Wiper arm insertion position with 180 deg shaft rotation

shaft is free here (no bearing block)

55 deg

50 deg

operating range

1/16" s.s. wire wiper arm

+45/-45 servo rotation

sparcap joiner

Dymond D60

contact cement on pins for axial restraint (not critical)

0.020" spacers under servo to center shaft in airfoil

SuperGee II

Flaperon RDS

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