



Motor Stick	.380
Tail boom + fin	.185
Wing	.340
Stab	.140
Prop	.270
Ballast	.055
Spacers	.040
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Total	1.410 g

F1D 2+ "Old Boy"
by Yuan Kang Lee
Cat 4 AMA Record 32:55
Lakehurst, NJ USA
Sept-3-2018

F1D 2+ component	Yuan Kang Lee description	lb/ft3	mg
Wing			340
spars (2)	.040 x .063 (2x .003 boron)	4.0	
tips (2)	.039 x .040	4.6	
middle ribs (2)	.027 x .040 C	5.5	
comp ribs (2)	.027 x .055 C	5.5	
tubes (2)	.064 ID polyimide thin wall		
covering	OS Film		
Motor Stick			380
blank	.015 (3 x .003 boron, 4,8, 12 o'clock) .240 id	4.0	
bracing post	.060 x .060 -> .040 x .040	12.0	
wing posts (2)	.065 x .065 (2 x .003 boron)	6.0	
bracing line	Kevlar thread, 6 lb tested		
bearing	Harlan		
tail hook	.013 music wire		
front web	.025 x .75 C	5.0	
rear web	.025 x .60 C	5.0	
extension	.012 (2 x .003 boron)	4.0	
Stab			140
spars	.024 x .041 (2 x .003 boron)	4.9	48
ribs (3)	.024 x .040	4.8	19
Tail boom			170
blank	0.010 (2 x .003 boron)	4.8	
stab posts (2)	.023 x .050	6.1	
Rudder			15
outline	.025 x .025		
Prop			270
outline	18.5 D (formed on Treger pitch block)		
boron	.024 x .024	5.0	15
ribs (5)	2 x .003 boron (4 x first 2 bays)		20
spar	.024 x .024 (3 x .003 boron 1st rib)	5.0	10
covering	.070 x .070 -> .060 x .060 (2 x .003 boron)	5.8	20
covering	OS Film		
Rubber	5/99 .0295 g/in (1.14 g/m)		

