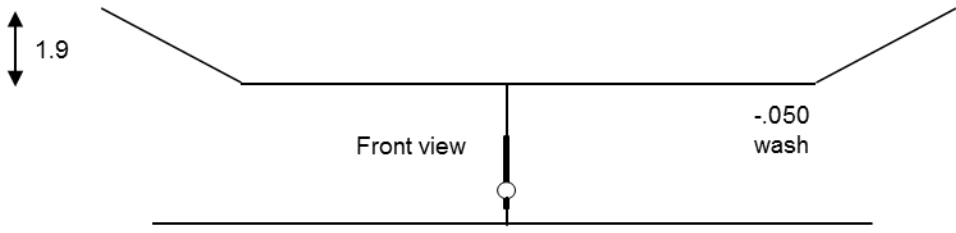


Covered with OS Film

Motor Stick	.390
Tail boom + fin	.200
Wing	.355
Stab	.140
Prop	.270
Spacers	.045
<hr/>	
Total	1.40g



F1D 4+  
 by Yuan Kang Lee  
 Cat 2 National Record 24:53  
 7/18/2017 Rantoul, IL USA  
 Tan II 5/99 .0341 g/in (1.34 g/m)

<b>F1D 4</b>	<b>Yuan Kang Lee</b>		
component	description	lb/ft3	mg
<b>Wing</b>			<b>355</b>
spars (2)	.040 x .063 (2x .003 boron)	5.3	104
tips (2)	.032 x .051 -> .032 x .040	4.7	56
middle ribs (2)	.032 x .050 C	4.2	33
comp ribs (2)	.032 x .055 C	4.2	33
tubes (2)	.064 ID polyimide thin wall		5
covering	OS Film		
<b>Motor Stick</b>			<b>390</b>
blank	.015 (2 x .003 boron, 4 and 8 o'clock) .240 id	4.0	133
bracing post	.060 x .060 -> .040 x .040 (basswood)		25
wing posts (2)	.064 round (4 x .003 boron)	8.0	60
bracing line	Kevlar thread, 6 lb tested		10
bearing	Harlan		25
tail hook	.013 music wire		15
front web	.025 x .75 C	5.0	7
rear web	.025 x .60 C	5.0	6
extension	.012 (2 x .003 boron)	4.0	30
<b>Stab</b>			<b>140</b>
spars	.024 x .041 (2 x .003 boron)	4.9	48
ribs (3)	.024 x .040	4.8	19
<b>Tail boom</b>			<b>185</b>
blank	0.010 (2 x .003 boron)	4.5	130
stab posts (2)	.023 x .050	6.1	4
<b>Rudder</b>			<b>15</b>
outline	.025 x .025		
<b>Prop</b>			<b>270</b>
outline	18.5 D (formed on Treger pitch block)	5.0	15
boron	2 x .003 boron (4 x first 2 bays)		20
ribs (5)	.024 x .024 (3 x .003 boron 1st rib)	5.0	10
spar	.070 x .070 -> .060 x .060 (2 x .003 boron)	5.8	20
covering	OS Film		
<b>Rubber</b>	5/99 .0341 g/in (1.34 g/m)		

