Wallock Motor List for Rubber Models

Published in the May 2003 Issue of "Flightplug" the newsletter of the Southern California Ignition Flyers, Mike Myers, Editor

Gene Wallock has done a lot of systematic thinking about OT rubber models (well Gene has to think about something in his spare time!). He's built and flown a lot of different rubber models and realized that many of them shared essentially the same size motor—in terms of number of strands, length of motor etc. So he developed a chart that a lot of us have used. The chart tells you that a motor could be made up for say a Korda Wake (Gene's "A" motor) will also fly a Smith Stick and a Yankee IV. If you've not built a particular OT rubber model before, the chart will give you a good idea of what size motor a master rubber modeler thinks will be required when the ship is fully trimmed. Gene's chart has been around for a long time and Gene has had input from many good rubber modelers. Cut this chart out and put it in the lid of your rubber model box.

Rubber Motors for Your Favorite OT Model

by Gene Wallock

I thought you folks might be able to use this chart I made up. I build and flew all the models with these motors. All Tan II. I wind to torque or what feels good.

Model	Strands	Width	Length	Same As
1033 Lanzo	8	1/8	22	H/M
1935 Light Wake	24	1/8	36	D
1936 Copeland	20	1/8	36	
1939 Korda Wake	24	1/8	34	A
Akron Favorite	24	1/8	43	
Albatros (Whitman	12	1/8	26	K
Altimeter	16	1/8	28	B
Arrowhead	12	1/8	30	
B/G Special	16	1/8	28	B
Bluebird	16	1/8	22	
Boxcar	16	1/8	28	B
Buddenbohm Tailless	12-16	1/8	33	
Burnham Twin	6	1/8	37	
Cloud Tramp	4	1/8	18	
Crusader	16	1/8	28	
Double Feature	16	1/8	36	E
Duplex	24	1/8	36	D
F.A. Commercial	12	1/8	20	
F.A. Moth	8	3/32	18	J
Falcon/Whitman	12	1/8	26	K
Flyabout	8	3/32	18	J
Gollywock	16	1/8	28	B
Gull/Cleveland	24	1/8	32	G
Homesick Angel	20	1/8	30	
Jabberwock	16	1/8	24	
Kolb Stick	24	1/8	41	
Korda/Burd	24	1/8	34	A
Korda C Stick	16	1/8	36	E
Korda Victory	12	3/32	22	
Majestyk Too	8	3/32	18	J
Miss World's Fair	24	1/8	31	F
Northern Star	20	1/8	28	

Paratrooper	24	1/8	31	F
Li'l Puss Moth	8	3/32	21	
Puss Moth (Lanzo)	24	1/8	34	A
Red Buzzard	20	3/16	36	
Robber's Heli	10	1/8	29	
Simmers Twin	10	1/8	41	
Skookie	12	3/32	18	
Sky Gull	12	1/8	22	
Smith Stick	24	1/8	34	A
Space Conquerer (Doug)	16	1/8	28	B/L
Sparky	12	1/8	23	
Stratometer	16	1/8	28	B
Stahl Cuadron	8	1/8	16	
Stahl Hurricane	16	1/8	28	B/L
Stahl Skyfarer	8	1/8	2	H/M
Stahl Taylorcraft	8	1/8	22	H/M
Super Snooper	24	1/8	39	
Surprise Wake	24	1/8	36	D
Tailless (Alf Faulkner)	8	1/8	22	H/M
Verdier Wake	20	1/8	34	
Yankee IV	24	1/8	34	A

Alternate Motors

16	1/8	25	L
12	1/8	22	M

In the "Same As" column, I coded the motors so the same motor may be used on more than one model. The code:

A — Smith Stick, Big Lanzo Moth, '39 Korda Wakefield, Burd Korda, Yankee IV
B — Stratometer, Crusader, Stahl Hurricane (commercial), Douglas Space Conqueror, B/G Special, Gollywock, Boxcar, Altimeter
D — '35 Light Wakefield, Duplex, Surprise Wakefield.
E — Korda, C Stick, Double Feature
F — Miss World's Fair (50 in.), Paratrooper
G — Cleveland Gull
H — '33 Lanzo, Alfie Faulkner Tailless, Stahl Skyfarer, Stahl Taylorcraft
J — Plecan Flyabout, Majestyk Too P-30, Flying Aces Moth
K — Whitman Falcon, Whitman Albatros
L — Alternate shorter motor for the B category models
M — Alternate 3/32 motor for the H category models

This saves having a lot of motors in different cans, that are all the same, but marked for different models. It also makes first flights less expensive because you can pick an existing used motor for test flights from another model without using up some brand new Tan II

The alternate motors refer to either a shorter motor for the same model (to blow it up there fast) or a 3/32 strand alternate for a 1/8 strand motor.

In simple terms, I can fly 30 different models with only 9 different motors. The uncoded models' motors are unique to the design. Good buddy John Camp gave me his data for the 1936 Copeland, Red Buzzard and the Sparky. We fly together and these motors are a good match for the model.