

A 24" WINGSPAN, CLASS 'B' TEAM RACER



PRESTO

Designed by

H. E. HALL

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38 CLARENDON RD. WATFORD HERTS

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ALL WOODS UNLESS OTHERWISE STATED ARE BALSA

- DATA -	
WINGSPAN	24 INS
WING AREA	129 SQ. INS.
TAIL AREA	38 SQ. INS.
LENGTH	22 -1/4 INS.
WEIGHT	22 -1/2 OZS.
POWER	2.51 - 5 C.C.

MATERIALS REQUIRED	
STRIP BALSA 3' LONG	14" OF 14 SWG WIRE
1 STRIP OF 1/2" x 1/2" MED.	14" OF 12 SWG WIRE
SHEET BALSA 3' LONG	9" OF 10 SWG WIRE
1 SHEET OF 1/32" x 3" MED.	3" OF 18 G ALUM. TUBE
2 SHEETS OF 1/16" x 3" MED.	2" OF 16 G BRASS TUBE
3 SHEETS OF 3/32" x 3" MED.	SMALL PIECE OF 1/8" DOWEL
1 SHEET OF 1/8" x 3" MED.	PIECE OF LINEN 11" x 1"
1 SHEET OF 1/4" x 3" med.	13" OF 3/8" x 9/16" BEARER
BLOCK BALSA	
1 PIECE 2" x 1-3/4" x 1"	
1 PIECE 2-1/8" x 2-1/8" x 1/2"	
MISCELLANEOUS	
PIECE OF 1/8" PLY	
PIECE OF 1/16" PLY	
28" OF 18 SWG WIRE	
6" OF 16 SWG WIRE	

- FORMERS -	
N1	- 1 OFF 1/16" PLY
N2	- 1 OFF 1/2" BALSA
N3	- 1 OFF 1/8" BALSA
F1	- 1 OFF 1/8" PLY
F2	- 1 OFF 1/8" BALSA
F3	- 1 OFF 1/8" BALSA
F4	- 1 OFF 1/8" BALSA
F5	- 1 OFF 1/8" BALSA

The diagram illustrates the construction of the Presto model airplane, a 24-inch wingspan Class 'B' Team Racer. It includes a top view, a side view, and a perspective view of the control horn. Key components and assembly instructions are labeled throughout the drawing:

- Top View:** Shows the fuselage, wing, and tail. Labels include: "CUT F2 TO SAME OUTLINE AS F1", "POSITION FOR PUSHROD HOLE ON F2", "SOLDER", "SPREADER BAR 16 SWG", "12 SWG U/CART ACTUAL SIZE", "2" DIA. SPINNER", "ENGINE BOLTS HAVE WIRE SOLDERED ACROSS HEAD", "SCREW EACH SIDE TO HOLD COWL IN POSITION", "PLANK FUSELAGE WITH 3/8" x 3/32", "F1", "F2", "F3", "F4", "F5", "1/8" PLY", "6 B.A.", "30 C.C. TANK", "1/4" SHEET LEAVE VENT FOR COOLING", "2" WHEELS", "SOLDERED WASHER TO RETAIN WHEEL", "9/16" x 3/8" ENGINE BEARERS", "3/8" SQ. GLUED TO BEARERS", "18 SWG HORN", "1/8" DOWEL", "LINEN HINGE SANDWICHED BETWEEN 1/16" SHEETS", "MAKE TAILPLANE FROM TWO PIECES OF 1/16" SHEET 13" x 3", "TRAILING EDGE 1/16" SHEET TOP & BOTTOM", "SPICE AT BOTTOM", "SPICE ON TOP", "WING TIP WEIGHT 3 PIECES OF 10SWG WIRE".
- Side View:** Shows the profile of the airplane. Labels include: "CELLULOID CANOPY", "1/8" SHEET FIN", "1/8" SHEET", "16 SWG SKID", "14 SWG PUSH ROD", "NOTE SLOPE", "3/32" SHEET SIDES", "1/8" SHEET TAILPLANE PLATFORM", "BIND & CEMENT TO KEEL", "KEEL IS MADE FROM ONE LAYER OF 1/16" PLY BETWEEN TWO LAYERS OF 1/8" SHEET", "FRONT OF COWLING", "BOTTOM OF COWLING", "CUT OUT SLOT AFTER ASSEMBLY", "TAILPLANE PLATFORM", "W6", "W1", "ALL RIBS FROM 3/32" SHEET SANDWICH FOUR BLANKS BETWEEN W1 & W6 AND SAND TO SHAPE", "1/2" x 1/2" L.E.", "TAPER UNDERSIDE OF L.E. TO GIVE DIHEDRAL EFFECT", "1/16" SHEET TOP & BOTTOM", "1/32" SHEET TOP & BOTTOM", "ALUM TUBES", "18 SWG LEAD OUT WIRES", "3/8" SOFT BLOCK TIP", "POSITION OF SLOT IN TOP SHEETING", "W1", "W2", "W3", "W4", "W5", "W6".
- Perspective View:** Shows the control horn. Labels include: "PERSPECTIVE OF CONTROL HORN", "NOTE: FUEL & VENT TUBES ARE FITTED INTO WING & THROUGH L.E. BEFORE SHEETING WING. BRASS TUBES ARE PUSHED ONTO ENDS TO REPRESENT CANNONS".

PUBLISHED AEROMODELLER AUGUST 1952 CL 481