



MICROLIGHT TYPE ACCEPTANCE DATA SHEET (TADS)

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(7) MANDATORY LIMITATIONS:

(A) Max Take-off Weight 170kg

(B) C G Limits (3-Axis Aircraft):N/A

(C) C G Datum not required - weightshift

(D) Cockpit Loadings:	Front	Rear	Total
Pilot and Baggage or Ballast (Min)	55kg	----	55kg
Pilot and Baggage (Max - JPX engine)	90kg	----	90kg
Pilot and Baggage (Max Rotax 377 engine)	76kg	----	76kg

(E) Permanent Ballast, Weight and Position: none.

(F) Empty C of G (3-Axis Aircraft): N/A

(G) Never Exceed Speed: 56kt 65mph

(H) Manoeuvring Speed: 49kt 56mph

(I) Permitted Manoeuvres: non-aerobatic (pitch <+-30 degrees, bank < 60 degrees)

(J) Fuel Contents (Max Useable): 9litres to 25 litres

(K) Power Plant: See Table

Engine	JPX 425	Rotax 377			
Max RPM	4600	6800			
MAX CHT	-----	480 F			
Fuel Spec	MON 83 RON 90 minimum. octane.	MON 83 RON 90 minimum octane.			
Oil Spec	self mix 2 stroke	Castrol TTS or equivalent			
Fuel/Oil Mix	40:1	50:1			
Max EGT	-----	1200 F			
Oil Press	n/a	n/a			
Oil Temp	n/a	n/a			

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(8) INSTRUMENTS REQUIRED FOR TYPE ACCEPTANCE:

An Airspeed indicator, 0-70mph minimum.  
An Altimeter, (which may be worn on the pilots wrist).  
For 377 Rotax powered machines, a tachometer.

(9) CONTROL DEFLECTIONS (3-Axis Systems): N/A

Pitch Control	Up:-	Down:-
Tailplane Trim	Up:-	Down:-
Ailerons	Up:-	Down:-
Rudder	Left:-	Right:-
Steering	Left:-	Right:-
Spoilers		

(10) PILOT'S NOTES, MAINTENANCE MANUALS REFERENCES:

Medway Half Pint Owners Manual.

(11) MANDATORY MODIFICATIONS/SERVICE BULLETINS/AIRWORTHINESS DIRECTIVES ECT:

None

(12) MINIMUM PERFORMANCE AT MAX TAKE-OFF WEIGHT

Rate of Climb: 400 fpm at 28kt 32 mph (JPX engine)  
640 fpm (Rotax 377 at 5250 rpm).

Stalling Speed: 25 kt 28 mph

13) PLACARDS

The following information must be clearly placarded in view of the pilot:

Empty weight

Max and Min cockpit load

Maximum takeoff weight = 170 kg

VNE speed = 65 mph

Manoeuvre limitations. = Pitch, +-30 degrees. Roll,+-60 degrees.

WARNING - NO LOOSE ITEMS IN COCKPIT.

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PLACARDS CONT'D.

For the 377 Rotax powered version:

- 1) The tachometer must be clearly marked at 5250 rpm. and placarded nearby "max rpm 5250."
- 2) The maximum cockpit loading must be placarded as 76kg.

Close to the fuel tank:

Fuel type, quantity and mix ratio

At the ignition switch:

Ignition on/off

At the fuel tap:

fuel on/off.

ADDITIONAL POINTS TO NOTE FOR INSPECTORS:

- 1) On the JPX powered version, check the engine mounting carefully for cracks at the mounting holes. The material of the engine mounting plate must be stainless steel (very early machines were aluminium alloy). See BMAA defect report H1.01 (engine mount).
- 2) See defect reports A2.01 to A2.08 (Aerial Arts Wings.)
- 3) For a general description, see BMAA "Flightline" magazine test report July-August 1985.
- 4) Ensure compliance with the general recommendations of BMAA documents WG and TG.
- 5) Ensure for the 377 powered machines, the RPM limit and cockpit loading limits are placarded.

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GENERAL ARRANGEMENT DRAWING OF THE MEDWAY HALF PINT TRIKE.

