

LINDSTRAND BALLOONS LTD

FLIGHT MANUAL SUPPLEMENT NO. 1.27

SPECIAL SHAPED ENVELOPE - LBL SYRUP BOTTLE

SECTION 1 - OPERATIONAL LIMITATIONS

1.1.6 Wind Speed

The maximum surface wind speed for take off and landing of the Lindstrand Balloons Ltd Syrup Bottle special shaped hot air balloon, is 10 knots.

1.1.8 Ascent/Descent Speed

The maximum rate of climb and descent for the LBL Syrup Bottle special shaped balloon is 3.75 m/s (750 ft/min).

1.5.1 Maximum Weight

TABLE 1

Balloon Type	Nominal Volume		FAI Class	Maximum Weight		Envelope Weight	
	cu.m.	cu.ft.		kg	lbs	kg	lbs
LBL Syrup Bottle	2550	90,000	AX8	900	1980	300	660

1.5.3 Payload Calculation

Calculation of the payload for the LBL Syrup Bottle special shaped balloon is identical to the procedure described. The conversion of the lift per unit volume figure, found from the load charts, into a gross lift figure is achieved by multiplying by the nominal volume given above.

SECTION 2 - NORMAL PROCEDURES

2.2.2 Cold Inflation

Ensure that the 6 deflation vents are closed. There are vents located as follows: one on each arm, one on the bow, cap and collar, and one vent on the head. Ensure that the two deflation rip panels are sealed and the rip locks closed.

2.3.2 In-Flight Control

A vent is provided for in-flight venting. This is operated by pulling on the candy stripe line to open.

2.3.4 Landing

The two rip panels, operated by the red line, are the main deflation apertures. They should be opened once the basket has touched the ground. To assist in the rapid evacuation of air, the vent should be pulled open as well.