PART 7. APPROACH & LANDING

PART 7 APPROACH AND LANDING

LIST OF FIGURES

- 7.1 Landing ground roll. Dry tarmac
- 7.2 Landing ground roll. Wet concrete
- 1. The above figures give the landing ground roll on dry tarmac or wet concrete (assumed to give the most favourable and the most adverse landing cases in normal conditions) for a range of weights, airfield heights and temperatures, and wind, both with and without parachute. The air brakes are assumed OUT.

2. Touch-down speeds

Landing ground roll distances are based on touchdown speeds of 155 knots I.A.S. at 30,000 lb. varying linearly to 167 knots I.A.S. at 35,000 lb.

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3. Airborne distance from 50 ft

> An estimate of the (still air) airborne distance from 50 ft to touch down can be made by assuming a constant 2° flight path. This gives an airborne distance of 1455 ft.

Example 1

A.U.W. = 27,000 lb height S.L.

O. A. T. 20°C 10 knots tailwind on dry tarmac

From 7.1 ground roll without parachute = 5050 ft ground roll with parachute = 3550 ft Airborne distance from 50 ft = 1455 ft

> .. Distance from 50 ft without parachute = 6505 ft

Distance from 50 ft with parachute

= 5005 ft

Londing allowance 140 gall CFE

AAL. encl 171. approach april 1756780K. Auto-7, L.S.

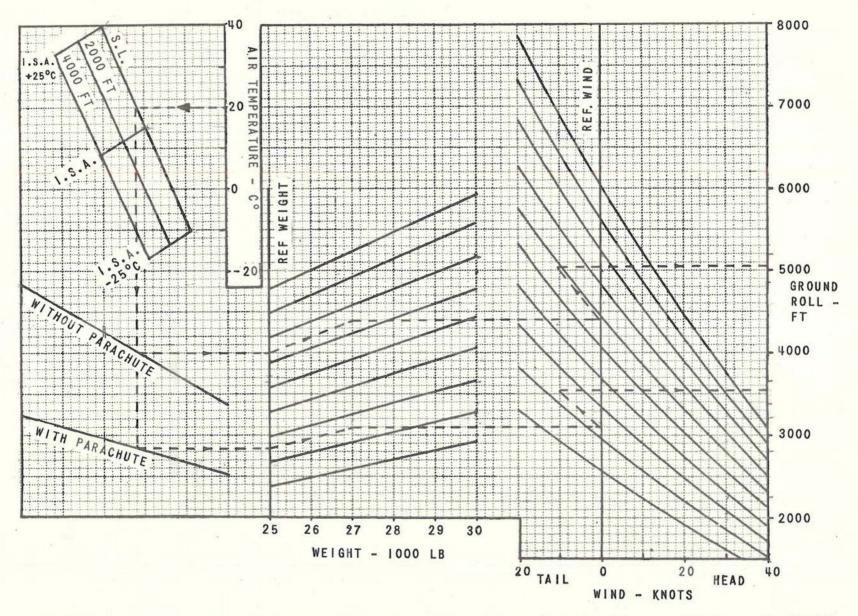


FIG. 7-1. LANDING GROUND ROLL - DRY TARMAC - AIRBRAKES OUT

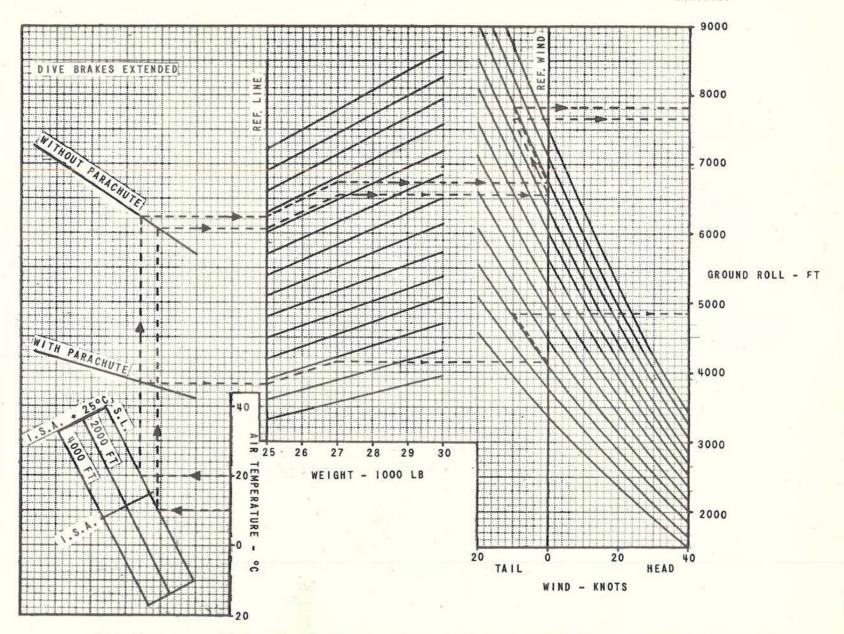


FIG. 7:2. LANDING GROUND ROLL-WET CONCRETE - AIRBRAKES OUT

