

PART 8 USEFUL & MISCELLANEOUS INFORMATION

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1. Runway loading

Figs.8.1 and 8.2 give the values of runway load classification number (LCN) for different values of all-up weight and equivalent single wheel load, on rigid and flexible pavements. For the values considered the data are sensibly independent of tyre pressure.

2. Level flight wing incidence

Fig.8.3 gives the variation of the aircraft wing chord line to the direction of motion against mach number and altitude for steady level flight. It is reasonable to assume that the incidence is proportional to normal acceleration.

Note...

The horizontal fuselage datum is 2° below the wing chord line.

Example

From Fig.8.3, wing incidence at 1.2M, 40,000 ft equals $4\frac{1}{2}^\circ$, thus incidence at 3g equals $13\frac{1}{2}^\circ$.

RIGID PAVEMENTS

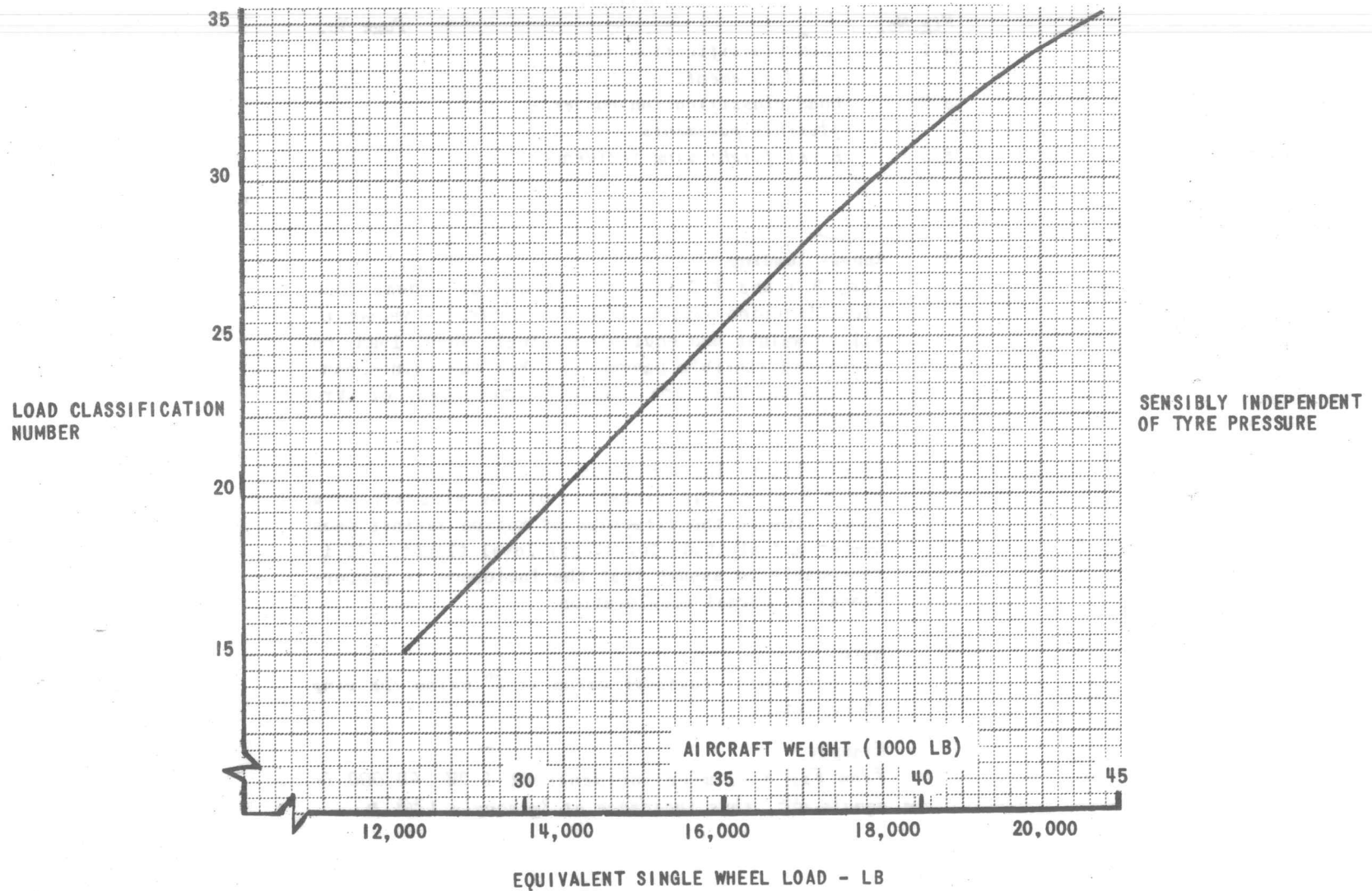


FIG. 8.1 LOAD CLASSIFICATION NUMBER

FLEXIBLE PAVEMENTS

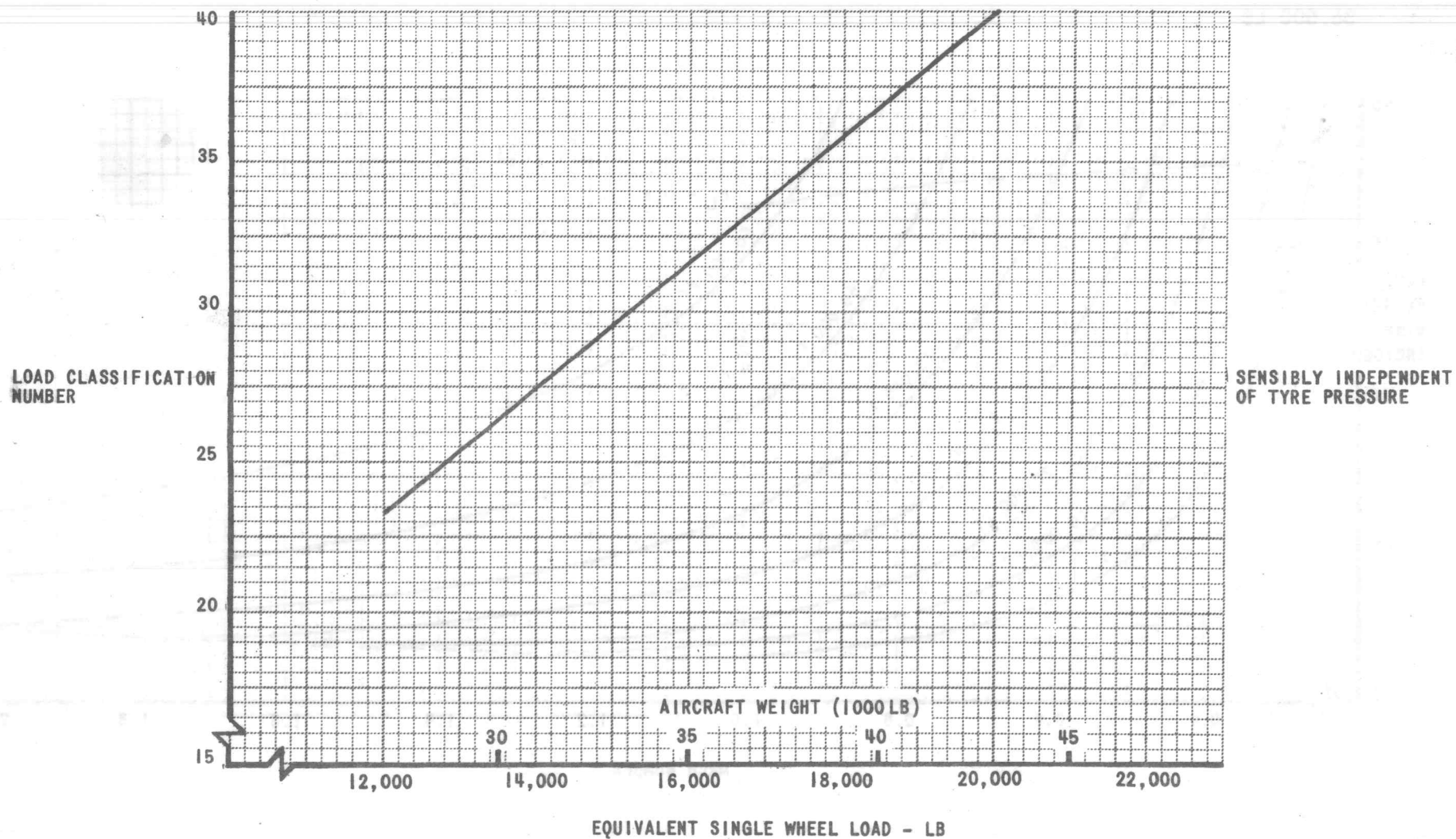
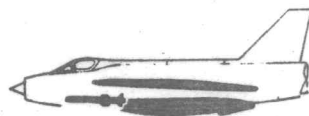


FIG. 8-2 LOAD CLASSIFICATION NUMBER



35,000 LB

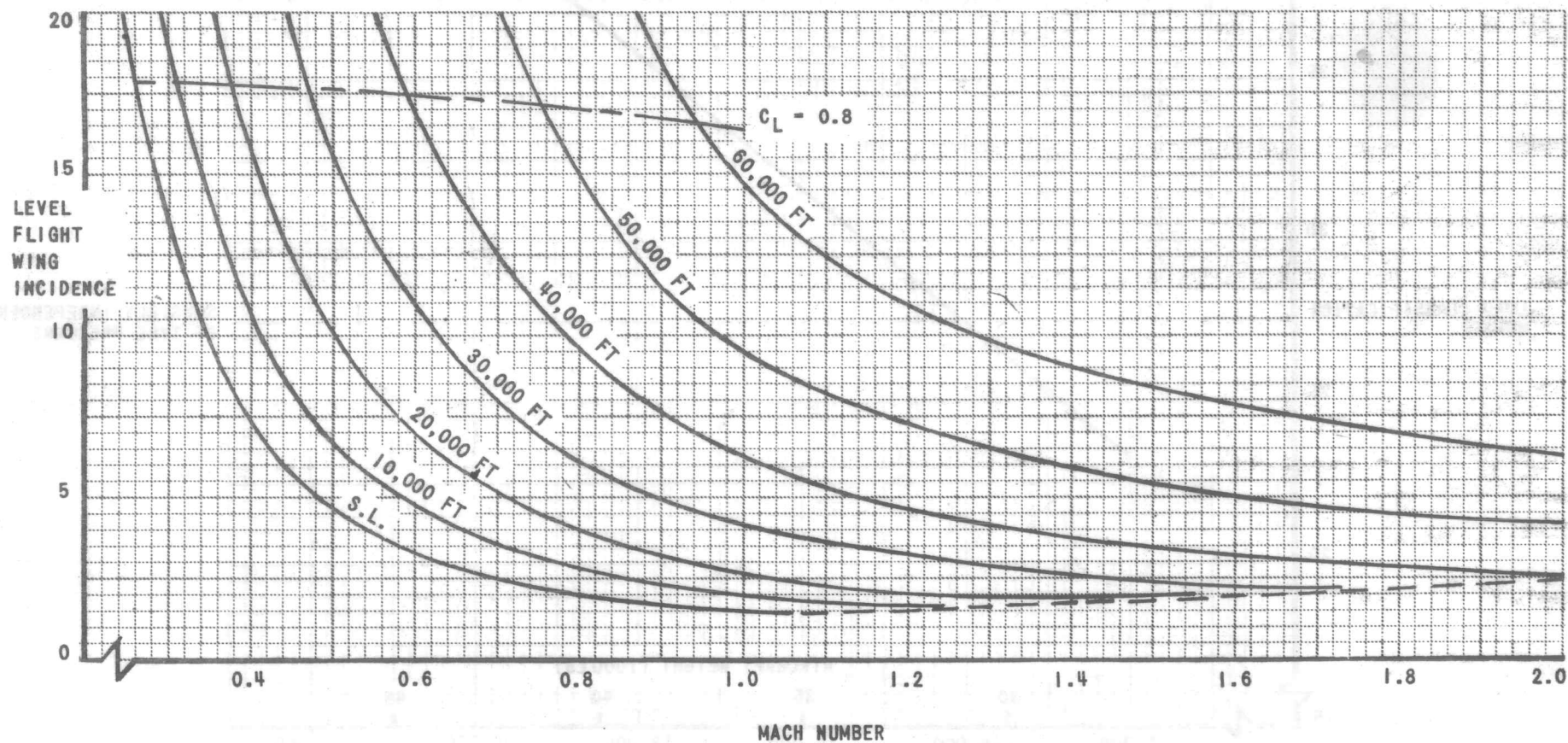


FIG. 8.3. LEVEL FLIGHT WING INCIDENCE

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