



## Indian Standard

# DIMENSIONS OF MECHANICAL STRUCTURES OF THE 482.6 mm SERIES

## PART 1 CABINETS AND PITCHES OF RACK STRUCTURES

### Section 2 Pitches of Rack Structures

**1. Scope** — Covers the pitches of fixed rack structures used in 482.6 mm rack and panel electronic equipment practice.

**1.1** It does not cover heights and depths of such structures.

**2. Description**

**2.1 Fixed Rack Structures** — For the purpose of this standard, a fixed rack structure is defined as a series of pairs of vertical members, spaced on a predetermined pitch, fixed to the floor at the bottom and to the ceiling and/or wall at the top. Each pair of vertical members will allow the attachment of panels, etc, in accordance with IS : 9606-1980 'Dimensions of panels and racks (482.6 mm system)'. The pitch of the fixed rack structures is equal to the theoretical centre distance of a plurality of racks. Each rack vertical member may be separated from or combined with the vertical member of the adjacent rack provided the pitch is maintained.

**2.2 Pitches of Fixed Rack Structures** — The pitches of fixed rack structures are the distances between datum lines for the mounting of racks in a row. The pitches of fixed rack structures are given in Fig. 1.

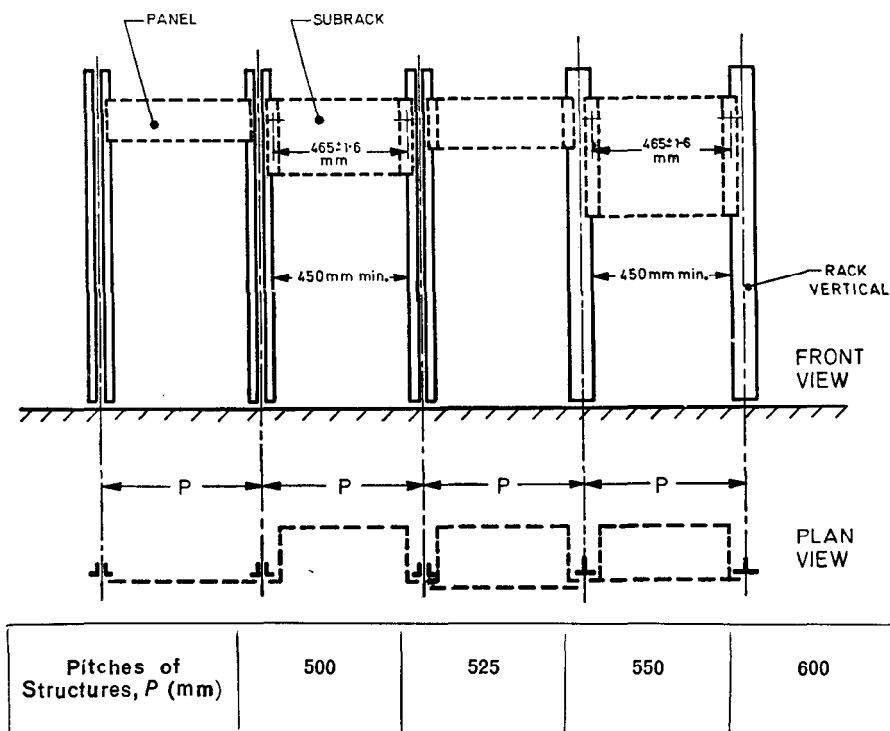


FIG. 1 PITCHES OF FIXED RACK STRUCTURES

### EXPLANATORY NOTE

This standard ( Part 1 ) is based, without any technical change, on IEC Pub 297-2 ( 1982 ) 'Dimensions of mechanical structures of the 482.6 mm ( 19 inch ) series', issued by the International Electrotechnical Commission ( IEC ).

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