

*Withdrawn in 1985  
Replaced by ISO 7165 : 1985*

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

*(TC 20)*

## ISO RECOMMENDATION R 837

**AIRCRAFT SEAT RAILS AND PINS**  
**ITC STANDARD PREVIEW**  
**(standards.iteh.ai)**

ISO/R 837:1968

<https://standards.iteh.ai/catalog/standards/sist/ac610e0b-8a66-4b14-b840-6b94a04f7077/iso-r-837-1968>

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## BRIEF HISTORY

The ISO Recommendation R 837, *Aircraft seat rails and pins*, was drawn up by Technical Committee ISO/TC 20, *Aircraft*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question by the Technical Committee began in 1962 and led, in 1963, to the adoption of a Draft ISO Recommendation.

In June 1964, this Draft ISO Recommendation (No. 738) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	France	Sweden
Belgium	Israel	Switzerland
Brazil	Italy	Turkey
Canada	Japan	United Kingdom
Chile	Netherlands	Yugoslavia
Colombia	Portugal	
Czechoslovakia	Spain	

Two Member Bodies opposed the approval of the Draft :  
<https://standards.iteh.ai/catalog/standards/sist/ac610e0b-8a66-4b14-b840-6b94a04f8933/iso-r-837-1968>  
Germany  
U.S.S.R.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in October 1968, to accept it as an ISO RECOMMENDATION.

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## AIRCRAFT SEAT RAILS AND PINS

### 1. SCOPE

This ISO Recommendation relates to the dimensions and loading of aircraft seat rails and pins.

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### 2. RAILS

The dimensions of aircraft seat rails should comply with those given in Figure 1.

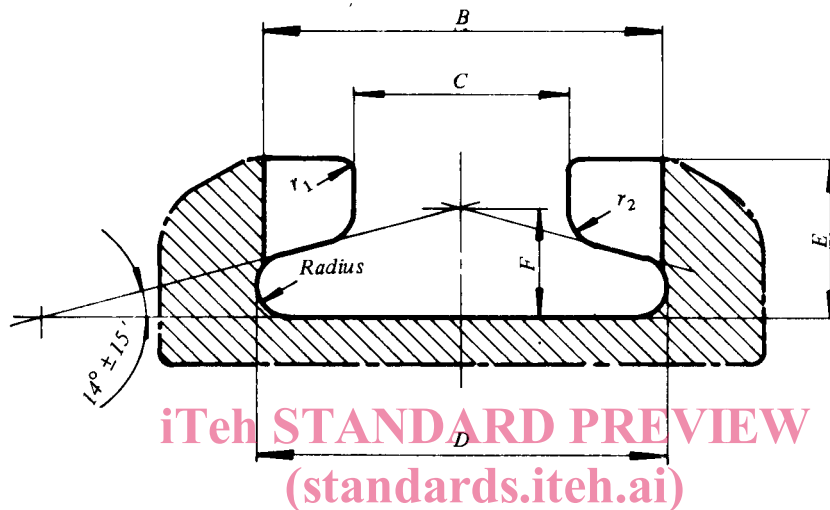
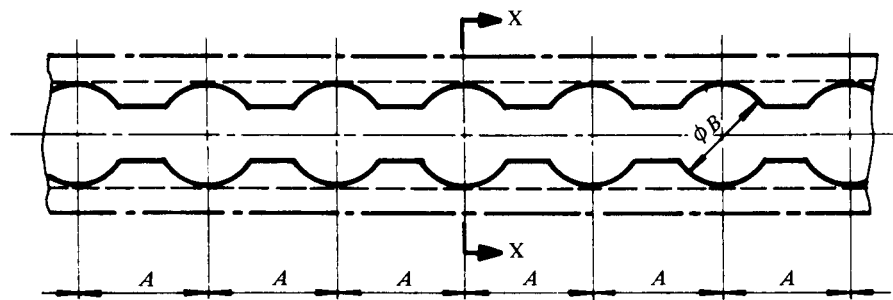
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### 3. PINS

The dimensions of aircraft seat pins should comply with those given in Figure 2.

### 4. LOADING

Vertical down loads should be supported on the top of the rail and not on the base of the pin.



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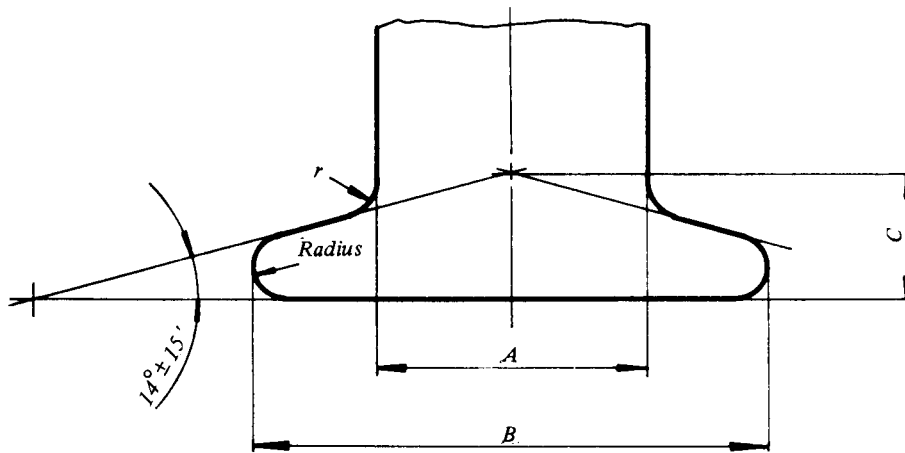
SECTION X - X  
ISO/R 837:1968

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Dimension	millimetres	inches
<i>A</i>	25.4*	1.0*
<i>B</i>	20.0 19.7	0.78 0.77
<i>C</i>	11.0 10.7	0.43 0.42
<i>D</i>	21.0 20.5	0.82 0.80
<i>E</i>	7.9 7.6	0.31 0.30
<i>F</i>	5.3 5.1	0.21 0.20
<i>r</i> <sub>1</sub>	0.5	0.02
<i>r</i> <sub>2</sub>	1.3	0.05

- \* Tolerance on pitch = 0.2 mm (0.008 in).  
Tolerance on 20 pitches = 0.5 mm (0.020 in).

FIG. 1 – Aircraft seat rail



Eccentricity tolerance 0.2 mm (0.008 in)

Dimension	millimetres	inches
<i>A</i>	9.9	0.39
	9.6	0.38
<i>B</i>	18.5	0.73
	18.3	0.72
<i>C</i>	4.5	0.18
	4.2	0.16
<i>r</i>	1.3	0.05

FIG. 2 – Aircraft seat pin

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