
International Standard



2964

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Aerospace — Tubing — Outside diameters and thicknesses — Metric dimensions

Aéronautique et espace — Tubes — Diamètres extérieurs et épaisseurs — Dimensions métriques

Second edition — 1985-04-01

ITEH STANDARD PREVIEW
(standards.iteh.ai)

[ISO 2964:1985](https://standards.iteh.ai/catalog/standards/sist/feb34cac-90b0-468a-b69c-ba5c9453a0c1/iso-2964-1985)

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Descriptors: aircraft industry, aircraft equipment, pipes (tubes), metal tubes, dimensions.

Price based on 2 pages

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 2964 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*.

ISO 2964 was first published in 1974. This second edition cancels and replaces the first edition, of which it constitutes a technical revision.

Aerospace — Tubing — Outside diameters and thicknesses — Metric dimensions

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1 Scope and field of application

[ISO 2964:1985](#)

This International Standard specifies the outside diameters and thicknesses of tubes, for all metallic materials, to be selected for all uses in aircraft structural and system design. <https://standards.iteh.ai/catalog/standards/sist/fb34cae-90b0-468a-b69c-ba5c9453a0c1/iso-2964-1985>

2 Dimensions

The outside diameters and thicknesses of the tubes shall be selected from those specified in the table.

3 Tolerances

The tolerances shall be specified in the relevant standards appropriate to the material and intended application.

Table — Tubing outside diameters and thicknesses for aircraft use

Dimensions in millimetres

Outside diameters	Thicknesses																										
	0,25	0,32	0,4	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3	1,4	1,5	1,6	1,8	1,9	2	2,2	2,5	3	3,2	4	5	6	8	10
1,6	X	X	X																								
2,5	X	X	X	X																							
3,2	X	X	X	X	X																						
4			X	X	X		X		X																		
5			X	X	X		X		X																		
6			X	X	X	X	X	X	X		X																
8			X	X	X	X	X	X	X		X			X	X	X		X	X								
10			X	X	X	X	X	X	X		X			X	X	X		X	X								
12			X	X	X	X	X	X	X		X			X	X	X		X	X								
14				X	X	X	X	X	X		X			X	X	X		X	X								
15				X	X	X	X	X	X		X			X	X	X		X	X								
16			X	X	X	X	X	X	X		X			X	X	X		X	X								
18				X	X	X	X	X	X		X			X	X	X		X	X								
20			X	X	X	X	X	X	X		X			X	X	X		X	X								
22				X	X	X	X	X	X		X			X	X	X		X	X								
25			X	X	X	X	X	X	X		X			X	X	X		X	X								
28				X	X	X	X	X	X		X			X	X	X		X	X								
32				X	X	X	X	X	X		X			X	X	X		X	X								
36				X	X	X	X	X	X		X			X	X	X		X	X								
38				X	X	X	X	X	X		X			X	X	X		X	X								
40				X	X	X	X	X	X		X			X	X	X		X	X								
45				X	X	X	X	X	X		X			X	X	X		X	X								
50				X	X	X	X	X	X		X			X	X	X		X	X								
56					X	X	X	X	X		X			X	X	X		X	X								
63					X	X	X	X	X		X			X	X	X		X	X								
70					X	X	X	X	X		X			X	X	X		X	X								
80					X		X	X	X		X			X	X	X		X	X								
90							X	X	X		X			X	X	X		X	X								
100							X	X	X		X			X	X	X		X	X								