
International Standard



5970

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

Furniture — Chairs and tables for educational institutions — Functional sizes

Ameublement — Sièges et tables pour établissements d'enseignement — Dimensions fonctionnelles

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

International Standard ISO 5970 was developed by Technical Committee ISO/TC 136, *Furniture*, and was circulated to the member bodies in July 1977.

It has been approved by the member bodies of the following countries :

Austria	Iran	Romania
Bulgaria	Ireland	South Africa, Rep. of
Canada	Israel	Spain
Czechoslovakia	Italy	United Kingdom
Germany, F. R.	Japan	Yugoslavia
Hungary	Mexico	
India	Poland	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Denmark
France
Netherlands
Sweden

Furniture — Chairs and tables for educational institutions — Functional sizes

0 Introduction

This International Standard has been prepared adopting the principle that seating and tables should be designed to encourage good postures for all those using them in educational institutions. The dimensions specified in this International Standard are confined to those which derive from anthropometric data. Compliance with this International Standard ensures that the furniture permits good seating postures, yet allows designers and manufacturers the freedom to meet local technical, educational and economic circumstances.

A reference stature for each of the seven sizes of furniture is given as a guide to its distribution; adjustments to the distribution of the seven sizes to populations with significantly different body proportions may, however, be necessary. It is recommended that national surveys are made in order to establish the best distribution of the furniture sizes for local school populations.

The seven sizes for seating and related tables in this International Standard can satisfy the seating requirements in all educational institutions (other than “special schools”).

The higher table heights may also serve as standing work heights for smaller pupils; for standing work heights for taller pupils the range of heights will eventually be extended in a further part of this International Standard.

1 Scope and field of application

This International Standard specifies the basic functional sizes for seating and tables in educational institutions. It does not include any special requirements that apply to “special schools” or to adjustable furniture. This International Standard does not include requirements for materials, design, construction or quality.

2 Dimensions

Dimensions for seating are given in table 1, and for tables in table 2. The references to the dimensions are shown in figure 1 (dimensions in section) and figure 2 (dimensions in plan).¹⁾

In table 2 the minimum depth (t_1) and the minimum length (b_1) are for tables specifically for single and dual use.

The leg clearance zone as defined by dimensions h_2 , h_3 , h_4 , b_2 , t_2 and t_3 must be provided under all tables at which pupils will be seated.

Any construction or storage under the table top shall be designed to provide a leg clearance zone that is not less than the minimum specified.

1) Tolerances in table 1 and table 2 are not manufacturing tolerances but intervals for the functional dimensions.