

SVENSK STANDARD

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Möbler för kontorsmiljö – Bord och skrivbord – Del 1: Dimensioner

Office furniture – Work tables and desks – Part 1: Dimensions

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The European Standard EN 527-1:2011 has the status of a Swedish Standard. This document contains the official English version of EN 527-1:2011.

This standard supersedes the Swedish Standard SS-EN 527-1, edition 1 and SS-EN 527-1/AC:2002, issue 1.

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EUROPEAN STANDARD

EN 527-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2011

ICS 97.140

Supersedes EN 527-1:2000

English Version

Office furniture - Work tables and desks - Part 1: Dimensions

Mobilier de bureau - Tables de travail de bureau - Partie 1:
Dimensions

Büromöbel - Büro-Arbeitstische - Teil 1: Maße

This European Standard was approved by CEN on 24 March 2011.

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Foreword

This document (EN 527-1:2011) has been prepared by Technical Committee CEN/TC 207 “Furniture”, the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2011, and conflicting national standards shall be withdrawn at the latest by November 2011.

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This document supersedes EN 527-1:2000.

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Introduction

Various designs of furniture for general office use exist as a consequence of rapid technological evolutions. This European Standard relates to office furniture of contemporary design.

The dimensions in this standard are based on the requirements of anthropometric measurements, mechanical design, subjective preference and other factors.

The dimensional requirements of the tables and desks are based upon the 5th and 95th percentile of the European office user group. In general, this is the 5th percentile female and the 95th percentile male (from 1493 mm to 1913 mm for the stature height). To accomplish the needs of users outside this range, individual solutions can be applied. Some European countries can have 5th percentile females and/or 95th percentile males outside this European user group.

1 Scope

This European Standard specifies dimensions of work tables and desks for office tasks to be undertaken in a seated, a sit stand or standing position.

It includes neither dimensions for storage unit nor those for other tables in the office area or reception desks.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

N/A

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

height of the work surface

vertical dimension measured from the floor to the top of the work surface at the edge closest to the user

3.2

work table/desk Type A

height adjustable; the height can be changed by the user during use

3.3

work table/desk Type B

height selectable; the height can be adapted to the user at installation

3.4

work table/desk Type C

fixed height

3.5

work table/desk Type D

limited height selectable or adjustable

3.6

sit-stand work table/desk

height adjustable allowing different work positions from seated to standing

3.7

desk top thickness

thickness of the work surface and all protruding parts or elements of the work table/desk within the width and depth of the legroom

3.8

levelling device

leg component designed to allow the work surface to be set horizontal

3.9

desk top depth

depth of working surface including any extension elements on the same plane

4 Dimensions

4.1 Measurement procedure

Position the work table/desk on a flat horizontal and rigid floor surface, with levelling device(s) fully closed.

Inclinable desk top work surfaces shall be set to the horizontal or as near to the horizontal as possible.

Before commencing measurement procedure, it shall be determined whether the table/desk is for sitting, standing or sit/stand use.

The minimum and maximum height of work surface shall be measured at the front edge (see Figure 1) and the adjustment range shall be recorded. For height selectable work tables/desks type B and D the minimum height increments shall also be recorded.

The legroom depth shall be measured at the working position and with the rear edge of the work table/desk placed against a vertical wall.

Figure 1 shows the legroom for all work surfaces which have straight front edges at least all along the width, W, see Table 1. In these cases, the legroom shall be rectangular with dimensions as specified in Table 1.

Figure 2 shows the legroom for all work surfaces with non-straight front edges. In these cases, the legroom shall be curved with dimensions as specified in Table 1.

4.2 Requirements

The dimensions of tables/desks shall be as specified in Table 1.

Table 1 — Table/desk dimensions in millimetres

Dimensions			Work table/desk type							
			Type A		Type B	Type C	Type D			
			Fully adjustable		Fully selectable	Fixed height	Limited adjustable or limited selectable ^e			
h ₁	Height of the work surface	Sitting only	Minimum range 650 - 850	Minimum range 650 - 850 ^a	740 ± 20	-allow yes	Min 680	Max 760	+allow yes	
		Standing only	Minimum range 950 - 1250	Minimum range 950 - 1250 ^a	1050 ± 20	-allow yes	Min 1000	Max 1180	+allow yes	
		Sit/stand	Minimum range 650 - 1250	N/a	N/a	Minimum range 680 - 1180				
t ₁ and t ₂	Maximum desk top thickness (see Figure 1)	At the front, t ₁	55 ^b	55 ^b	70	70				
		At 500 mm from the front edge, t ₂	80 ^b	90 ^b	100	100				
k ₁	Minimum height of knee clearance for standing position only (see Figure 3)	Applies only to tables with a height more than 850 mm	700 ^d	700 ^d	700 ^d	700 ^d				
k ₂	Minimum depth of knee clearance for standing position only (see Figure 3)		80	80	80	80				
k ₃	Minimum depth of foot clearance for standing position only (see Figure 3)		150	150	150	150				
f ₁ and f ₂	Minimum height of minimum foot clearance	Sitting only and sit/stand From 600 mm to 800 mm from the front edge, f ₁	120	120	120	120				
		Standing only From front edge to 150 mm, f ₂	120	120	120	120				
g ₁	Minimum legroom depth ^c (see Figure 1)	Sitting only and sit/stand	800	800	800 ^f	800				