
International Standard



4073

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

Dental equipment — Items of dental equipment at the working place — Identification system

Matériel dentaire — Éléments du matériel dentaire au poste de travail — Système d'identification

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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 4073 was developed by Technical Committee ISO/TC 106, *Dentistry*, and was circulated to the member bodies in August 1979.

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

Australia	Germany, F.R.	Romania
Canada	India	Sweden
Czechoslovakia	Libyan Arab Jamahiriya	Switzerland
Egypt, Arab Rep. of	Mexico	USA
France	Netherlands	USSR

No member body expressed disapproval of the document.

Dental equipment — Items of dental equipment at the working place — Identification system

0 Introduction

The various items and combinations of dental equipment used at the working place of the dentist present difficulties in their identification for the dentist, the dental dealer and the dental manufacturer. It is therefore, necessary to have a comprehensive plan view system which will facilitate the work of the dentist, the dental dealer and the dental manufacturer in identifying, unambiguously, items and combinations, and prevent misunderstandings in ordering, selling, and manufacturing items and combinations thereof.

The plan view system and the identification card detailed in this International Standard were developed to assist the dentist, the dental dealer, and the dental manufacturer.

1 Scope and field of application

This International Standard lays down a reference plan for the location of the items, it gives symbols for the items and a two-digit system for the identification of the combination of items which are used at the working place of the dental team where examination, treatment and other clinical procedures, with the patient directly involved, are carried out.

The system provides the means to give general information about the presence of items and to describe relevant characteristics concerning dimensional flexibility and adaptability of the items and parts of their accessories.

2 Reference

ISO 3246, *Dentistry — Working space of the dentist — Definitions and principles.*

3 Reference plan

The reference plan consists of a chart the centre of which refers to the mouth of the patient. The sectors are symbolized by numbers 1 to 12 as on a watch dial.

Four concentric circles around the centre at a distance of 0,5 m each give the means to clearly locate the exact position of the different elements. The circles are identified by the letters A, B, C and D.

The location of the items of dental equipment as well as an indication of the working place of the dentist and his assistant may be given in the reference plan by a sketch.

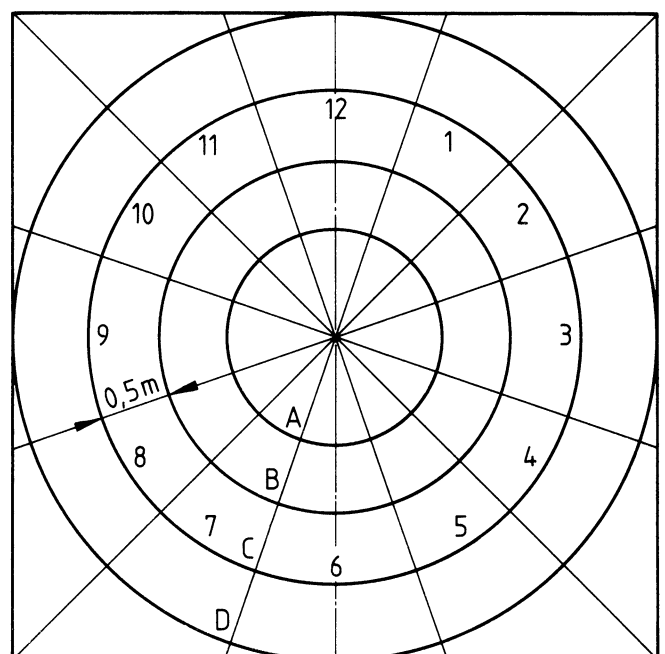
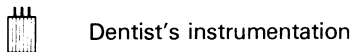


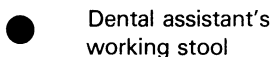
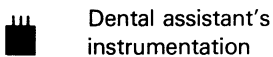
Figure 1 — Plan for location of items of dental equipment

4 Symbols for items of dental equipment

4.1 Items used by the dentist



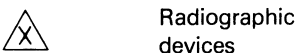
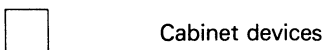
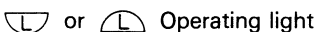
4.2 Items used by the dental assistant



4.3 Patient's chair



4.4 Other items and special devices



5 Identification of the location of the items

Identification of the location of the items, with reference to the patient's chair, is given by the index number. It consists of two digits, separated by an oblique stroke, with the first digit indicating the location of the dentist's instrumentation and the second the location of the dental assistant's instrumentation. In those instances where only dentist's instrumentation need to be indicated, the second digit should be zero.

5.1 Location of dentist's instrumentation

Index number	1/0	2/0	3/0	4/0
Location				

5.2 Location of dental assistant's instrumentation

Index number	0/1	0/2	0/3	0/4
Location				

5.3 Examples of combinations

The index numbers defined in 5.1 and 5.2 may be combined so as to identify the location of the dentist's and the dental assistant's instrumentation adequately.

Index number	1/1	2/2	1/2	3/1	4/4
Location					

6 General information

In table 1 general information may be given concerning the presence of the different items at the working place of the dentist and their relation to other items, for example whether they are free-standing or installed separately or part of a whole unit.

The information is given by marking the respective column in table 1 with a cross.

7 Adaptability of mechanical instrumentation and patient's chair

The horizontal and/or vertical adaptability of the mechanical instrumentation (drives, hand pieces, etc.), the tray devices and bearing arms and the patient's chair shall be indicated in this section of the identification system.

An indication whether items are adaptable in a horizontal or vertical direction may be given by crossing the respective column in table 2.

Table 1

Dentist's instrumentation										
Dentist's working stool										
Dental assistant's instrumentation										
Dental assistant's working stool										
Patient's chair										
Cuspidor										
Tray devices										
Operating light										
Cabinet devices										
Radiographic devices										
Special devices										

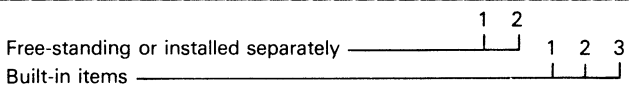


Table 2

Items	Horizontal ↔	Adaptability			Figure
		Vertical ↑↓	Vertical mm		
			max.	min.	
Dentist's instrumentation					2
Dental assistant's instrumentation					2
Patient's chair					3
Tray devices					-

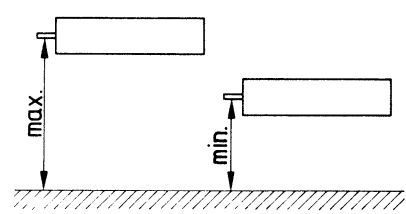


Figure 2 — Height of instrumentation

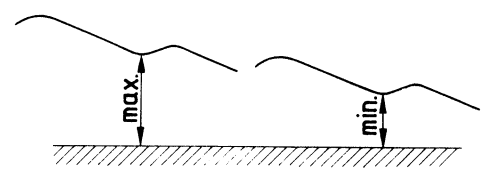
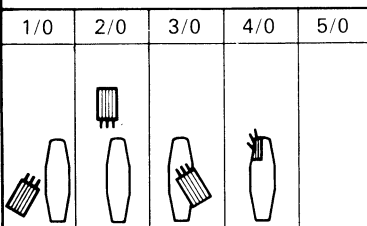
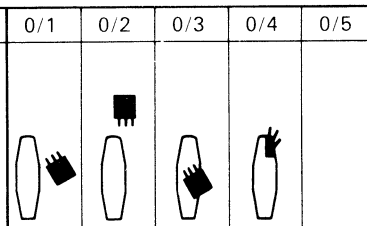
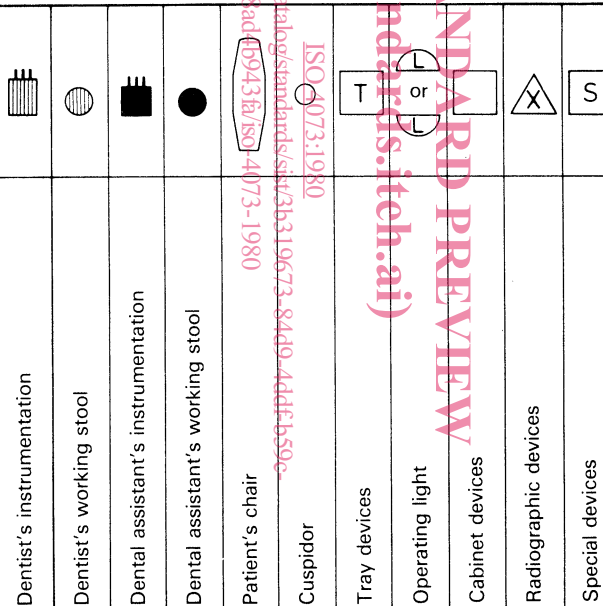
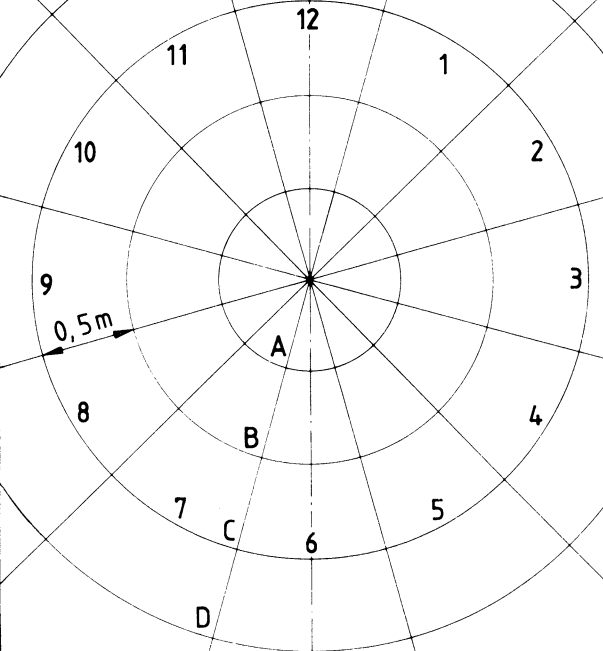


Figure 3 — Height of patient's chair

Annex Identification card

For the implementation of this International Standard an identification card is recommended, available in format A5¹⁾, which includes all essential information laid down in this International Standard. Once filled in with the relevant information concerning the equipment of the dentist's working place it may be kept on record in the dentist's office. The manufacturer and dealer may wish to supply this card with each unit of dental equipment in order to give their clients the information covered by this International Standard.

Identification card (front page)

Position of dentist's and dental assistant's instrumentation										Symbols for items									
1/0	2/0	3/0	4/0	5/0	0/1	0/2	0/3	0/4	0/5										
																			
Dentist's instrumentation					Dental assistant's instrumentation														
Manufacturer Country of origin Model designation Symbol																			
Dentist's instrumentation Dentist's working stool Dental assistant's instrumentation Dental assistant's working stool Patient's chair Cuspidor Tray devices Operating light Cabinet devices Radiographic devices Special devices																			
Free-standing or installed separately _____ Built-in items _____										Position of items									

1) A suitable identification card is obtainable commercially. Details may be obtained from the Secretariat of ISO/TC 106 (BSI) or from the ISO Central Secretariat.

Identification card (back page)

Items	Adaptability			Figure
	Horizontal ↔	Vertical ↕	Vertical mm	
			max. min.	
Dentist's instrumentation				2
Dental assistant's instrumentation				2
Patient's chair				3
Tray devices				-

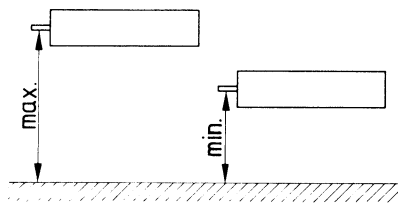


Figure 2 – Height of instrumentation

- Combination planned by the manufacturer
- the dental dealer
- the dentist

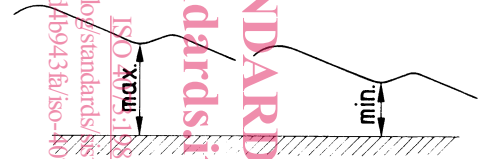


Figure 3 – Height of patient's chair

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