

International Standard 2157

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

Dental rotary instruments — Nominal sizes and designation

Instruments rotatifs dentaires — Dimensions nominales et désignation

Second edition — 1984-09-01

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 2157:1984](#)

<https://standards.iteh.ai/catalog/standards/sist/42514bbb-1db3-45a6-98e3-b6cf71a88f24/iso-2157-1984>

UDC 616.314-7 : 621.9.02

Ref. No. ISO 2157-1984 (E)

Descriptors : dentistry, dental instruments, dental rotary-cutting instruments, dimensions, designation.

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. Every 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 2157 was prepared by Technical Committee ISO/TC 106, *Dentistry*.

ISO 2157 was first published in 1972. This second edition cancels and replaces the first edition, of which it constitutes a technical revision.

iTeh STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/42514bbb-1db3-45a6-98e3-b6cf71a88f24/iso-2157-1984>

Dental rotary instruments — Nominal sizes and designation

iTeh STANDARD PREVIEW (standards.iteh.ai)

0 Introduction

This International Standard is one of several basic standards for dental rotary instruments and sets out in tabular form a series of nominal diameters for the working parts of dental rotary instruments. It also lists the designations corresponding to those diameters. These designations give the diameters, in tenths of millimetres, in the form of a three digit number which is used as part of the number code in ISO 6360.

In the range 0,5 to 5 mm diameter, the values in the 1972 edition have been retained unchanged. In this revision the range has however been extended beyond 5 mm; for the range 5 to 10 mm, half millimetre sizes are now included and in the range 10 to 30 mm, the series R20 of ISO 3 has been adopted.

1 Scope and field of application

This International Standard specifies the nominal diameters of the working parts of dental rotary instruments, for example

burs, laboratory burs, grinding instruments, diamond instruments, mandrels, etc. and the corresponding designation. It does not cover the diameters of root canal instruments.

2 References

ISO 3, *Preferred numbers — Series of preferred numbers.*

ISO 6360, *Dental rotary instruments — Number coding system.*¹⁾

3 Nominal diameters and designation

The nominal diameters, in millimetres, and the designation of the working parts of dental rotary instruments shall be selected from those listed in the table.

1) At present at the stage of draft.

Table — Nominal diameters and designations

Nominal diameters	Designation	Nominal diameters	Designation	Nominal diameters R 20	Designation
0,5	005	2,5	025	10	100
0,6	006	2,7	027	11,2	112
0,7	007	2,9	029	12,5	125
0,8	008	3,1	031	14	140
0,9	009	3,3	033	16	160
1,0	010	3,5	035	18	180
1,2	012	3,7	037	20	200
1,4	014	4	040	22,4	224
1,6	016	4,2	042	25	250
1,8	018	4,5	045	28	280
2,1	021	4,7	047	30	300
2,3	023	5	050		
		5,5	055		
		6	060		
		6,5	065		
		7	070		
		7,5	075		
		8	080		
		8,5	085		
		9	090		
		9,5	095		

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 2157:1984
<https://standards.iteh.ai/catalog/standards/sist/42514bbb-1db3-45a6-98e3-b6cf71a88f24/iso-2157-1984>