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Irish Standard
I.S. EN ISO 9168:2009

Dentistry - Hose connectors for air driven dental handpieces (ISO 9168:2009)

I.S. EN ISO 9168:2009

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English Version

Dentistry - Hose connectors for air driven dental handpieces
(ISO 9168:2009)

Art dentaire - Connexions pour pièces à main dentaires à
air comprimé (ISO 9168:2009)

Zahnheilkunde - Schlauchanschlüsse für luftbetriebene
zahnärztliche Handstücke (ISO 9168:2009)

This European Standard was approved by CEN on 17 June 2009.

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Foreword

This document (EN ISO 9168:2009) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 "Dentistry", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 9168:2009 has been approved by CEN as a EN ISO 9168:2009 without any modification.

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I.S. EN ISO 9168:2009
**INTERNATIONAL
STANDARD**

**ISO
9168**

Third edition
2009-07-15

**Dentistry — Hose connectors for air
driven dental handpieces**

*Art dentaire — Connexions pour pièces à main dentaires à air
comprimé*



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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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9168 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

This third edition cancels and replaces the second edition (ISO 9168:1991), which has been technically revised. The following changes were made:

- a) requirement resistance to sterilization has been replaced by reprocessing requirement;
- b) language-independent figures;
- c) introduction of definition for “hose connector” and updated references and Bibliography.

Dentistry — Hose connectors for air driven dental handpieces

1 Scope

This International Standard is applicable for achieving reliable interchangeability between hoses from dental units and dental handpieces.

This International Standard specifies four types of hose connector for use between air driven dental handpieces and the flexible hoses of the dental unit which supply the handpieces with water, air and light, and provide for exhaust.

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.

ISO 261, *ISO general purpose metric screw threads — General plan*

ISO 1942, *Dentistry — Vocabulary*

ISO 7494-1, *Dentistry — Dental units — Part 1: General requirements and test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and the following apply.

3.1

hose connector

connector at the dental handpiece to enable one to connect the hose with the handpiece

4 Classification

For the purpose of this International Standard, hose connectors for air driven dental handpieces are classified into the following four types:

- Type 1: connector with two or three outlets and connection thread 9/16 – 40 UNS;
- Type 2: connector with four or five outlets and connection thread 0,555 – 36 UNS;
- Type 3: connector with four outlets and electrical contacts and connection thread 0,555 – 36 UNS;
- Type 4: connector with three outlets and connection thread M12 × 0,5, in accordance with ISO 261.

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