

BS EN ISO 10323:2013



BSI Standards Publication

# Dentistry — Bore diameters for rotary instruments such as discs and wheels

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**National foreword**

This British Standard is the UK implementation of EN ISO 10323:2013. It supersedes BS EN ISO 10323:1996 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee CH/106, Dentistry, to Subcommittee CH/106/4, Dental Instruments and Equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Dentistry - Bore diameters for rotary instruments such as discs  
and wheels (ISO 10323:2013)**

Médecine bucco-dentaire - Diamètres d'alésage des  
instruments rotatifs tels que disques et roues (ISO  
10323:2013)

Zahnheilkunde - Bohrungsdurchmesser für rotierende  
Instrumente wie Scheiben und Räder (ISO 10323:2013)

This European Standard was approved by CEN on 12 January 2013.

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**Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

This document (EN ISO 10323:2013) 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of an identical text or by endorsement, at the latest by August 2013, and conflicting national standards shall be withdrawn at the latest by August 2013.

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This document supersedes EN ISO 10323:1995.

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### Endorsement notice

The text of ISO 10323:2013 has been approved by CEN as EN ISO 10323:2013 without any modification.

# Dentistry — Bore diameters for rotary instruments such as discs and wheels

## 1 Scope

This International Standard specifies bore diameters for rotary instruments such as metallic discs and metallic wheels used in dentistry in order to achieve interchangeability between discs and wheels and the mandrels with which the discs and wheels are operated in a dental handpiece.

## 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 1942, *Dentistry — Vocabulary*

ISO 8325, *Dentistry — Test methods for rotary instruments*

## 3 Terms and definitions

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

### 3.1

#### **bore diameter**

inner diameter of the central opening in a disc or a wheel which is relevant for connection with a hub-mounted mandrel

### 3.2

#### **disc**

cylindrical rotary instrument used in dentistry where the thickness of the working part is less than 5 % of the diameter

### 3.3

#### **wheel**

cylindrical rotary instrument used in dentistry where the thickness of the working part is 5 % to 100 % of the diameter

## 4 Dimensions

Dimensions and tolerances of bore diameters for rotary instruments such as discs and wheels shall be as given in Table 1.

Those dimensions of bore diameters for discs and wheels which are not specified in standards relating to the respective rotary instruments shall be as given in Table 1.

Only positive tolerances as given in Table 1 are permissible.