BS ISO 603-17:2014

BSI Standards Publication

Bonded abrasive products — Dimensions

Part 17: Spindle mounted wheels (ISO type 52)

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National foreword

This British Standard is the UK implementation of ISO 603-17:2014.

The UK participation in its preparation was entrusted to Technical Committee MTE/13, Grinding wheels, abrasive tools, paper and cloths, and powders.

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

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Part 17: Spindle mounted wheels (ISO type 52)

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Full document details: BS ISO 603-17:2014

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Shapes and dimensions **1**
3.1 Wheel plain, Shape WPL 1
3.2 Wheel concave end, Shape WCC 4
3.3 Wheel round end, Shape WRE 4
3.4 Wheel conical end, Shape WCE 5
3.5 Wheel truncated cone end, Shape WTC 6
3.6 Wheel conical round end, Shape WCR 6
3.7 Conical double taper, Shape CDT 7
3.8 Conical round end, Shape CRE 8
3.9 Conical truncated end, Shape CTE 9
3.10 Wheel ogival end, Shape WOE 9
3.11 Spherical, Shape SPH 10
3.12 Conical inverse cup, Shape CIC 11
3.13 Profiled periphery tapered, Shape PPT 12
3.14 Conical inverse flat end, Shape CIF 13
3.15 Conical inverse round end, Shape CIR 14
3.16 Profiled periphery curved, Shape PPC 15
3.17 Profiled periphery pointed, Shape PPP 15
3.18 Conical inverse dish, Shape CID 16
3.19 Mushroom, Shape MSH 17

4 Designation **18**

5 Specifications **18**
5.1 Material 18
5.2 Marking 18

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Full document details: BS ISO 603-17:2014

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 29, *Small tools*, Subcommittee SC 5, *Grinding wheels and abrasives*.

ISO 603 consists of the following parts, under the general title *Bonded abrasive products — Dimensions*:

— *Part 1: Grinding wheels for external cylindrical grinding between centres*

— *Part 2: Grinding wheels for centreless external cylindrical grinding*

— *Part 3: Grinding wheels for internal cylindrical grinding*

— *Part 4: Grinding wheels for surface grinding/peripheral grinding*

— *Part 5: Grinding wheels for surface grinding/face grinding*

— *Part 6: Grinding wheels for tool and tool room grinding*

— *Part 7: Grinding wheels for manually guided grinding*

— *Part 8: Grinding wheels for deburring and fettling/snagging*

— *Part 9: Grinding wheels for high-pressure grinding*

— *Part 10: Stones for honing and superfinishings*

— *Part 11: Hand finishing sticks*

— *Part 12: Grinding wheels for deburring and fettling on a straight grinder*

— *Part 13: Grinding wheels for deburring and fettling on a vertical grinder*

— *Part 14: Grinding wheels for deburring and fettling/snagging on an angle grinder*

— *Part 15: Grinding wheels for cutting-off on stationary or mobile cutting-off machines*

— *Part 16: Grinding wheels for cutting-off on hand-held power tools*

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— *Part 17: Spindle mounted wheels (ISO type 52)*

— *Part 18: Grinding wheels for flat glass edge grinding machines*

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INTERNATIONAL STANDARD ISO 603-17:2014(E)

Bonded abrasive products — Dimensions —

Part 17:
Spindle mounted wheels (ISO type 52)

1 Scope

This part of ISO 603 specifies the current shapes, nominal dimensions and limit deviations, in millimetres, of

— Type 52: Spindle mounted wheels.

These bonded abrasive products are intended to be used for hand-held grinding and manually guided or on hand-held power tools guided by hand.

2 Normative references

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

ISO 525, *Bonded abrasive products — General requirements*

3 Shapes and dimensions

NOTE 1 In all tables below, the "Designation" given in the first column is generated according to the following principle: Shape (= three letter code), D (mm), T (mm), and S_d (mm). For example, the designation for a spindle mounted wheel, shape WPL with D = 10 mm, T = 13 mm, and S_d = 6 mm the designation is "WPL 10 13 06". As an exception, this rule can only be applied equivalently to 3.11, Table 11, because dimension T does not exist for the spherical shape.

NOTE 2 In all tables below, the former code is given in the second column for information only.

3.1 Wheel plain, Shape WPL

See Figure 1 and Table 1.

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