
**Bonded abrasive products — Limit
deviations and run-out tolerances**

*Produits abrasifs agglomérés — Écartes limites et tolérances de
battement*

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Foreword

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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 of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 5, *Grinding wheels and abrasives*.

This second edition cancels and replaces the first edition (ISO 13942:2000), which has been technically revised. The main changes compared to the previous edition are as follows:

- Figures added for the following shape types: 2, 3, 4, 13, 16, 17, 17R, 18, 18B, 18P, 18R, 19, 19R, 20, 21, 22, 23, 24, 25, 26, 28, 29, 31A, 31B, 31C, 31D, 31E, 31F, 31G, 35, 36, 37, 39, 40, 52, 54 and 90; geometric tolerancing symbols for simple run-out (T_{PL} and T_{RL}) and the related datum are indicated on the drawings where values for these exist in this document;
- drawings for types 5, 7, 27, 38, 39 and 41 amended to show the geometric tolerancing symbols;
- new symbols for elevation of depressed centre (M), spindle diameter (S_d), spindle length (L_2) of mounted wheels and points, and internal radius of a segment (R_1) added;
- in [Table 18](#), a new row for the outside diameter $D > 1\,800$ mm added giving the corresponding limit deviations and run-out tolerances;
- in [Table 20](#), the limit deviations of grinding wheel thickness for wheels with $T, U \leq 1,6$ mm changed;
- [Clause 5](#) added for general statements and requirements and [Clause 13](#) added for mounted wheels and mounted points;
- normative reference to ISO 603 changed to be informative.

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