



**International  
Standard**

**ISO 21949**

**Coated abrasives — Plain sheets  
with holes for dust extraction**

*Produits abrasifs appliqués — Feuilles simples avec trous pour  
extraction de la poussière*

**Second edition  
2024-10**

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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.

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 document 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](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

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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](http://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 21949:2001), which has been technically revised.

The main changes are as follows:

- addition of new type H; [ISO 21949:2024](https://standards.iteh.ai/catalog/standards/iso/1b7be922-275f-46f1-911e-4cb448325961/iso-21949-2024)
- dimensions added for types B, C, F and the new type H;
- dimension added in [Table 1](#) for type B.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Coated abrasives — Plain sheets with holes for dust extraction

## 1 Scope

This document specifies the nominal dimensions, tolerances and designation of the active surface of plain sheets with holes for dust extraction. Extra length was taken into account in this document.

Plain sheets with holes for dust extraction in accordance with this document are intended for use on sanders with dust extraction.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 554, *Standard atmospheres for conditioning and/or testing — Specifications*

## 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>  
<https://standards.iteh.ai/catalog/standards/iso/1b7be922-275f-46f1-911e-4cb448325961/iso-21949-2024>

## 4 Requirements

### 4.1 Types and dimensions

See [Figures 1](#) to [8](#) and [Table 1](#).

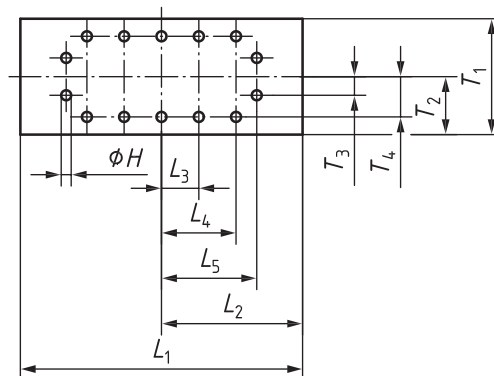


Figure 1 — Type A sheet

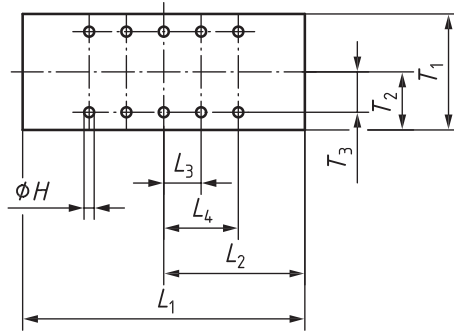


Figure 2 — Type B sheet

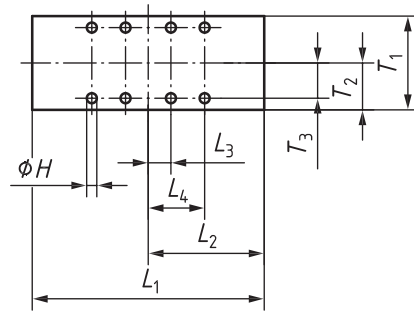


Figure 3 — Type C sheet

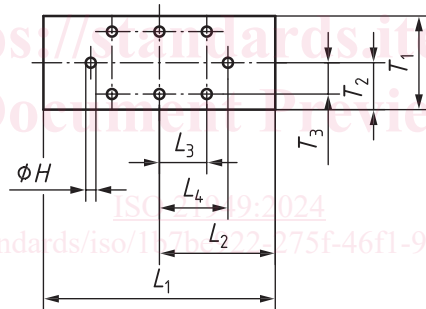


Figure 4 — Type D sheet

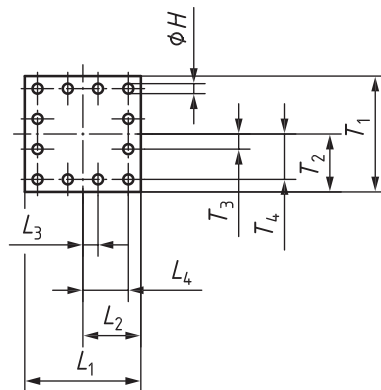


Figure 5 — Type E sheet