
Milling cutters — Designation —

Part 2:

**Shank-type and bore-type milling cutters
with indexable inserts**

Fraises — Désignation —

Partie 2: Fraises à queue et fraises à trou à plaquettes amovibles



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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 11529-2 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 9, *Tools with cutting edges made of hard cutting materials*.

This second edition cancels and replaces the first edition (ISO 11529-2:1998), which has been technically revised. In particular, it incorporates in 4.10.1 the addition of hollow taper shanks (HSK), types A and C.

ISO 11529 consists of the following parts, under the general title *Milling cutters — Designation*:

- *Part 1: Shank-type end mills of solid or tipped design*
- *Part 2: Shank-type and bore-type milling cutters with indexable inserts*

This document is a preview generated by EVS

Milling cutters — Designation —

Part 2:

Shank-type and bore-type milling cutters with indexable inserts

1 Scope

This part of ISO 11529 establishes a designation system for shank- and bore-type milling cutters embodying hard-material, indexable inserts, with the purpose of simplifying communication between the users and suppliers of such tools.

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 3002-1:1982, *Basic quantities in cutting and grinding — Part 1: Geometry of the active part of cutting tools — General terms, reference systems, tool and working angles, chip breakers*

ISO 3002-3:1984, *Basic quantities in cutting and grinding — Part 3: Geometric and kinematic quantities in cutting*

3 Summary explanation of the designation system

Shank-type and bore-type milling cutters are designated by codes comprising symbols which identify the important features of the mills.

Extensions to the designation codes to include manufacturer's or supplier's information about the milling cutters is described in Clause 5.

No addition to or extension of the designation system given in this part of ISO 11529 shall be made without consulting with Technical Committee ISO/TC 29 and obtaining its agreement.

The symbols defined by this part of ISO 11529 are:

Position	Definition of designation symbols
----------	-----------------------------------

- | | |
|---|--|
| 1 | Designation symbol (letter) identifying the design of milling cutter (see 4.1) |
| 2 | Designation symbol (letter) identifying the type of milling cutter (see 4.2) |
| 3 | Designation symbol (number) identifying the cutting-edge angle, κ_r (see 4.3) |
| 4 | Designation symbol (letter) identifying the shape of insert (see 4.4) |
| 5 | Designation symbol (number) identifying the diameter, \varnothing (see 4.5) |
| 6 | Designation symbol (letter) identifying the hand of cutting (see 4.6) |