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Metal cutting band saw blades — Part I : Definitions and terminology

*Lames de scies à ruban à métaux —
Partie I : Définitions et terminologie*

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4875/1 was developed by Technical Committee ISO/TC 29, *Small tools*, and was circulated to the member bodies in August 1976.

It has been approved by the member bodies of the following countries :

Australia	India	Spain
Belgium	Israel	Sweden
Brazil	Italy	Switzerland
Chile	Korea, Rep. of	Turkey
Czechoslovakia	Mexico	United Kingdom
France	Poland	U.S.A.
Germany	Romania	U.S.S.R.
Hungary	South Africa, Rep. of	Yugoslavia

No member body expressed disapproval of the document.

Metal cutting band saw blades — Part I : Definitions and terminology

1 SCOPE AND FIELD OF APPLICATION

This International Standard gives definitions relating to metal cutting band saw blades.

The definitions are arranged as follows :

- elements of the blade and characteristics of the teeth (clause 3);
- tooth shapes (clause 4);
- types of set (tooth offset) (clause 5).

The other characteristics of metal cutting band saw blades are the subject of ISO 4875/II and ISO 4875/III.

NOTE — Annex A gives equivalent French and Italian terms for the English terms defined in this International Standard. The French and Italian terms are also listed in their respective alphabetical orders in annexes B and C. The Italian terms have been included at the request of ISO Technical Committee 29, and are published under the responsibility of the member body for Italy (UNI). However, only the terms given in official ISO languages (English and French) can be considered as ISO terms.

2 REFERENCES

ISO 3002/I, *Geometry of the active part of cutting tools — General terms, reference systems, tool and working angles.*

ISO 4875/II, *Metal cutting band saw blades — Part II : Basic dimensions and tolerances.*¹⁾

ISO 4875/III, *Metal cutting band saw blades — Part III : Characteristics relating to each type of blade.*¹⁾

3 ELEMENTS OF THE BLADE AND CHARACTERISTICS OF THE TEETH

3.0 band saw blade : An endless blade manufactured of a continuous strip of steel having one toothed edge, as shown in figure 1.

3.1 Elements of the blade

3.1.1 body : That part of the blade between the bottom of the gullet and the back edge (figures 1 and 2).

3.1.2 teeth : The serrations formed across the thickness of the blade to provide cutting edges (figure 1).

3.1.3 toothed edge : The longitudinal edge along which the teeth have been formed (figure 1).

3.1.4 back edge : The longitudinal edge parallel to the toothed edge (figure 1).

3.1.5 side : The flat surface between the toothed edge and the back edge (figures 1 and 5).

3.1.6 width : The overall distance between the point of the tooth and the back edge (figure 2).

3.1.7 thickness : The distance between the two sides of the body (figure 5).

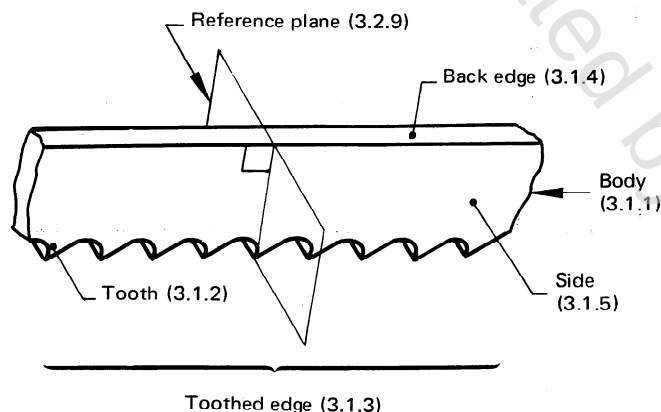


FIGURE 1

1) At present at the stage of draft.