
INTERNATIONAL STANDARD



4875 / II

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

**Metal cutting band saw blades —
Part II : Basic dimensions and tolerances**

*Lames de scies à ruban à métaux —
Partie II : Dimensions de base et tolérances*

First edition — 1978-11-15

STANDARDSISO.COM : Click to view the full PDF of ISO 4875-2:1978

UDC 621.93.023

Ref. No. ISO 4875/II-1978 (E)

Descriptors : tools, cutting tools, metal working, band saws, blades, specifications, dimensions, dimensional tolerances, form tolerances.

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/II 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	Israel	Switzerland
Belgium	Italy	Turkey
Brazil	Korea, Rep. of	United Kingdom
Bulgaria	Mexico	U.S.A.
Czechoslovakia	Philippines	U.S.S.R.
France	Romania	Yugoslavia
Hungary	South Africa, Rep. of	
India	Spain	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Germany, F.R.
Poland
Sweden

Metal cutting band saw blades — Part II : Basic dimensions and tolerances

1 SCOPE AND FIELD OF APPLICATION

This International Standard lays down the basic dimensions and some tolerances for metal cutting band saw blades.

The combinations of nominal dimensions \times pitch for each type of blade are contained in ISO 4875/III.

The various terms used for metal cutting band saw blades are defined in ISO 4875/I.

2 REFERENCES

ISO 4875/I, *Metal cutting band saw blades — Part I : Definitions and terminology.*

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

3 BASIC DIMENSIONS AND TOLERANCES

The metric widths (table 1), thicknesses (table 2) and pitches (table 3) of the blades are selected from the R 40 series of preferred numbers. Table 3 also gives the relationship between the pitch and the number of teeth per 25 mm (1 in).

3.1 Widths

TABLE 1 — Blade widths

Dimensions in millimetres		Dimensions in inches	
Width	Tolerance	Width	Tolerance
3,15	0 -0,4	1/8	0 -0.016
4,75		3/16	
6,3		1/4	
8,0		5/16	
9,5		3/8	
12,5		1/2	
16,0	0 -0,5	5/8	0 -0.020
19,0		3/4	
25,0		1	
31,5		1 1/4	
37,5		1 1/2	
40,0		1 5/8	
50,0		2	