

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 1929

ABRASIVE BELTS

DESIGNATION – DIMENSIONS – TOLERANCES

1st EDITION

October 1970

COPYRIGHT RESERVED

The copyright of ISO Recommendations and ISO Standards belongs to ISO Member Bodies. Reproduction of these documents, in any country, may be authorized therefore only by the national standards organization of that country, being a member of ISO.

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

## BRIEF HISTORY

The ISO Recommendation R 1929, *Abrasive belts – Designation – Dimensions – Tolerances*, was drawn up by Technical Committee ISO/TC 29, *Small tools*, the Secretariat of which is held by the Association Française de Normalisation (AFNOR).

Work on this question led to the adoption of Draft ISO Recommendation No. 1929 which was circulated to all the ISO Member Bodies for enquiry in November 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Czechoslovakia	Italy	Sweden
France	Japan	Switzerland
Germany	Netherlands	Thailand
Greece	Poland	U.A.R.
Hungary	Portugal	United Kingdom
India	Romania	U.S.S.R.
Ireland	South Africa, Rep. of	
Israel	Spain	

The following Member Body opposed the approval of the Draft :

Belgium

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

**ABRASIVE BELTS****DESIGNATION -- DIMENSIONS -- TOLERANCES****INTRODUCTION**

The usefulness of the standardization of abrasive belt designation and dimensions has been acknowledged by manufacturers of both belts and sanding machines, and by the users.

It should therefore be emphasized that the nominal dimensions provided for in this ISO Recommendation have been selected in order to meet all requirements in the best way through suitable grading. To comply with this principle, a few dimensions in current use have not been retained in order to propose logical series which may be accepted by all countries.

**1. SCOPE**

This ISO Recommendation applies to abrasive belts in general; it includes :

- (a) the designation of abrasive belts;
- (b) nominal dimension ranges as follows, and tolerances on those dimensions :
  - widths : 2.5 to 2650 mm,
  - lengths : 400 to 12500 mm;
- (c) tolerances on cylindricity.

**2. DESIGNATION**

The designation of abrasive belts includes, in the following order, the width  $l$  followed by the length  $L$ .

*Example* : Designation of an abrasive belt of width  $l$  150 mm and of length  $L$  4500 mm :

Abrasive belt 150 × 4500