

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 251

WIDTHS AND LENGTHS
OF CONVEYOR BELTS

2nd EDITION
April 1970

This second edition supersedes the first edition

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BRIEF HISTORY

The ISO Recommendation R 251, *Widths and lengths of conveyor belts*, was drawn up by Technical Committee ISO/TC 41, *Pulleys and belts (including V-belts)*, 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. 371 which was circulated to all the ISO Member Bodies for enquiry in May 1960. It was approved by 18 Member Bodies; three Member Bodies (Hungary, New Zealand and the U.S.A.) opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1962, to accept it as an ISO RECOMMENDATION.

BRIEF HISTORY RELATING TO THE 2nd EDITION

Further to a request made by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, Technical Committee ISO/TC 41 decided to add two supplementary values to ISO Recommendation R 251-1962. A Draft ISO Recommendation (No. 1814) on the subject was prepared and submitted to all the ISO Member Bodies for enquiry in March 1969. It was approved by the following Member Bodies :

Australia	India	Sweden
Austria	Israel	Switzerland
Belgium	Italy	Thailand
Brazil	Japan	Turkey
Czechoslovakia	Netherlands	U.A.R.
Denmark	New Zealand	United Kingdom
Finland	Norway	U.S.S.R.
France	South Africa, Rep. of	
Greece	Spain	

No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as a second edition of ISO Recommendation R 251.

This edition (2nd edition) cancels and supersedes the first edition of ISO Recommendation R 251-1962.

WIDTHS AND LENGTHS OF CONVEYOR BELTS

1. SCOPE

This ISO Recommendation specifies the widths of conveyor belts and the corresponding tolerances and also tolerances on lengths.

2. WIDTHS AND TOLERANCES

2.1 The widths of conveyor belts are fixed as shown in the Table below.

TABLE - Widths of conveyor belts

Millimetres	Inches	Millimetres	Inches
300	12	1 200	48
400	16	1 400	56
500	20	1 600	64
650	26	1 800	72
800	32	2 000	80
1 000	40		

2.2 The permissible tolerances on the widths are fixed as follows :

- (a) for the widths of 300 to 500 mm (12 to 16 in) ± 5 mm ($\pm \frac{3}{16}$ in)
- (b) for the widths of over 500 mm (20 in) ± 1 % of the value in millimetres

3. LENGTHS AND TOLERANCES

3.1 The lengths of conveyor belts are not standardized.

3.2 The permissible tolerances on the lengths of conveyor belts, measured in loose condition, are fixed as follows :

- (a) for belts delivered in the endless state and mounted in that way ± 0.5 %
- (b) for open belts : maximum difference between the delivered length and the ordered length $+2$ %
 -0.5 %

NOTES

1. This specification is not applicable to underground belts.
2. Special cases may be the subject of special agreement between the parties concerned.

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