

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 583

TOLERANCES ON THE TOTAL THICKNESS OF CONVEYOR BELTS AND ON THE THICKNESSES OF COVERS

1st EDITION

July 1967

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BRIEF HISTORY

The ISO Recommendation R 583, *Tolerances on the Total Thickness of Conveyor Belts and on the Thicknesses of Covers*, was drawn up by Technical Committee ISO/TC 41, *Pulleys and Belts (including Vee-belts)*, the Secretariat of which is held by the Association Française de Normalisation (AFNOR).

Work on this question by the Technical Committee began in 1957 and led, in 1964, to the adoption of a Draft ISO Recommendation.

In October 1965, this Draft ISO Recommendation (No. 864) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies:

Argentina	France	Portugal
Australia	Germany	Spain
Austria	India	Sweden
Belgium	Ireland	Switzerland
Brazil	Israel	U.A.R.
Chile	Italy	U.S.S.R.
Czechoslovakia	Japan	Yugoslavia
Denmark	Netherlands	
Finland	New Zealand	

One Member Body opposed the approval of the Draft:

United Kingdom

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in July 1967, to accept it as an ISO RECOMMENDATION.

**TOLERANCES ON THE TOTAL THICKNESS
OF CONVEYOR BELTS
AND ON THE THICKNESSES OF COVERS**

1. SCOPE

This ISO Recommendation aims to define:

- (1) The maximum difference between the total thickness measured in any two points of the area of the belt and also the appropriate method of measurement
- (2) The permissible deviations on the thickness of each cover and the appropriate method of measurement. The latter applies only to belts with covers at least 1 mm (0.04 in) thick and which can be completely removed.

However, neither the total thickness of the belt, nor the thicknesses of the covers are standardized. They should be fixed by agreement between purchaser and vendor. The deviations mentioned in paragraph (2) above, apply to thickness of the covers specified in this way.

2. REQUIRED CHARACTERISTICS

Designation	Required characteristics	Method of measurement
Maximum difference between the values of the total thickness measured in any two points of the area of the belt	<p><i>1 mm (0.04 in)</i> if the mean of two measurements does not exceed 10 mm (0.4 in)</p> <p><i>10% of the mean</i> if this exceeds 10 mm (0.4 in)</p>	Clause 3.1
Maximum permissible deviations on the specified thickness of each cover	<p><i>plus: no limit</i></p> <p><i>minus</i> {</p> <p style="margin-left: 20px;"><i>0.2 mm (0.008 in)</i> if the specified thickness is equal to or less than 4 mm (0.16 in)</p> <p style="margin-left: 20px;"><i>5% of the specified thickness</i> if this is greater than 4 mm (0.16 in)</p>	Clause 3.2