

Transformed

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION
R 155**

**LIMITING VALUES FOR THE ADJUSTMENT OF CENTRES
FOR TRANSMISSION PULLEYS**

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 155, *Limiting Values for the Adjustment of Centres for Transmission Pulleys*, 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).

The study of the limiting values for the adjustment of centres for grooved pulleys was undertaken by Working Group No. 1 already in 1954. The corresponding study for flat belt pulleys was begun in 1956 by Working Group No. 2.

It was during its third meeting, held in Stockholm in June 1955, that the Technical Committee adopted a resolution upon which was based the development of the part of the ISO Recommendation dealing with grooved pulleys. As for flat belt pulleys, it was during its fourth meeting, held in Milan in June 1957, that the Technical Committee adopted a resolution upon which the development of this part of the ISO Recommendation was based.

A draft proposal was thereupon set up by the ISO/TC 41 Secretariat and circulated in March 1958 to the members of the Technical Committee, at which time the majority adopted it as a Draft ISO Recommendation.

On 21 November 1958, the Draft ISO Recommendation (No. 259) was distributed to all the ISO Member Bodies and was approved by the following Member Bodies:

Austria	Germany	Spain
Belgium	Israel	Sweden
Burma	Italy	Switzerland
Chile	Japan	United Kingdom
Czechoslovakia	New Zealand	U.S.A.
Finland	Norway	U.S.S.R.
France	Romania	

Two Member Bodies opposed the approval of the Draft:

Denmark, India.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1960, to accept it as an ISO RECOMMENDATION.

LIMITING VALUES FOR THE ADJUSTMENT OF CENTRES FOR TRANSMISSION PULLEYS

1. SCOPE

This Recommendation establishes the limiting values for the adjustment of centres for two transmission pulleys. It is applicable to:

- (1) grooved pulleys for V-belts
- (2) pulleys for flat belts.

2. SPECIFICATION

The limiting values for the adjustment of centres for two transmission pulleys are the following:

(a) *for grooved pulleys for V-belts*

lower limiting value: nominal centre distance — 1.5 per cent of L_1

higher limiting value: nominal centre distance + 3 per cent of L_1

where L_1 = pitch length of the belt under tension,

(b) *for pulleys for flat belts*

lower limiting value: nominal centre distance — 1.5 per cent of L_2

higher limiting value: nominal centre distance + 3 per cent of L_2

where L_2 = inside length under normal fitting tension.

NOTE. — The above limiting values should be considered by the belt manufacturers as maximum, and by the designers and makers of the machinery as minimum.