
INTERNATIONAL STANDARD



155

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

Transmission pulleys — Limiting values for adjustment of centres

Poulies de transmission — Limites de réglage d'entraxe

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Descriptors : pulleys, belts, power transmission belts, spacing, adjusting.

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.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 41 has reviewed ISO Recommendation R 155 and found it technically suitable for transformation. International Standard ISO 155 therefore replaces ISO Recommendation R 155-1960 to which it is technically identical.

<https://standards.itech.ai/catalog/standards/sist/acb3d599-c2cb-4249-80b6-709ad6e310e4/iso-155-1975>

ISO Recommendation R 155 was approved by the Member Bodies of the following countries :

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

The Member Bodies of the following countries expressed disapproval of the Recommendation on technical grounds :

Denmark*
India*

No Member Body disapproved the transformation of ISO/R 155 into an International Standard.

* Subsequently, this Member Body approved the Recommendation.

Transmission pulleys – Limiting values for adjustment of centres

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1 SCOPE AND FIELD OF APPLICATION

This International Standard lays down 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 % of L_1
 - higher limiting value : nominal centre distance + 3 % of L_1where L_1 is the pitch length of the belt under tension;
- b) for pulleys for flat belts
 - lower limiting value : nominal centre distance – 1,5 % of L_2
 - higher limiting value : nominal centre distance + 3 % of L_2where L_2 is the inside length under normal fitting tension.

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