

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1536

CONTINUOUS MECHANICAL HANDLING EQUIPMENT
FOR LOOSE BULK MATERIALS

TROUGHED BELT CONVEYORS (OTHER THAN PORTABLE CONVEYORS)
BELT PULLEYS

1st EDITION
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BRIEF HISTORY

The ISO Recommendation R 1536, *Continuous mechanical handling equipment for loose bulk materials – Troughed belt conveyors (other than portable conveyors) – Belt pulleys*, was drawn up by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, 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. 1536, which was circulated to all the ISO Member Bodies for enquiry in October 1968. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Belgium	Israel	Switzerland
Canada	Italy	Thailand
Colombia	Japan	Turkey
Czechoslovakia	New Zealand	U.A.R.
Finland	Norway	United Kingdom
France	Poland	U.S.A.
Germany	South Africa, Rep. of	U.S.S.R.
Greece	Spain	
India	Sweden	

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 an ISO RECOMMENDATION.

FOREWORD

Troughed belt conveyors (other than portable conveyors) for loose bulk materials form the subject of the three following ISO Recommendations :

ISO/R 1535, *Troughed belt conveyors (other than portable conveyors) – Belts*

ISO/R 1536, *Troughed belt conveyors (other than portable conveyors) – Belt pulleys* (this ISO Recommendation)

ISO/R 1537, *Troughed belt conveyors (other than portable conveyors) – Idlers*.

Light duty belt conveyors for loose bulk materials will be covered by another ISO Recommendation.*

* At present at the stage of draft proposal.

CONTINUOUS MECHANICAL HANDLING EQUIPMENT FOR LOOSE BULK MATERIALS

TROUGHED BELT CONVEYORS (OTHER THAN PORTABLE CONVEYORS) BELT PULLEYS

1. SCOPE

This ISO Recommendation specifies the diameters, lengths, and manufacture of the belt pulleys for troughed belt conveyors (other than portable conveyors).

2. SPECIFICATIONS

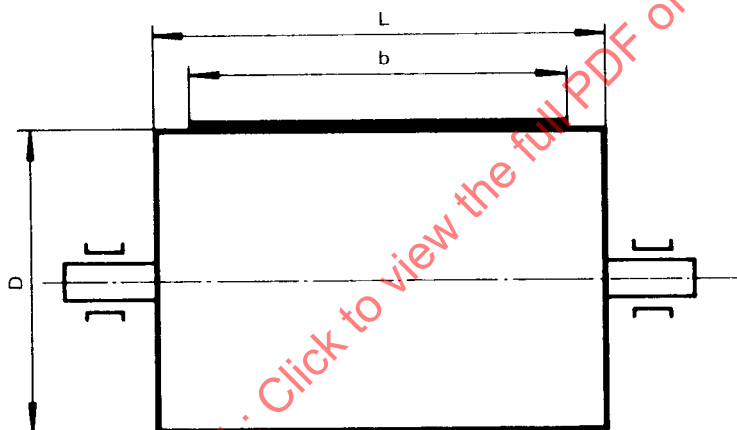


FIGURE – Belt pulley

2.1 Dimensions

2.1.1 *Basic diameters, D.* The values of the basic diameters D of belt pulleys are given in Table 1 below.

TABLE 1 – Values of basic diameters D

millimetres	(inches)
200	(8)
250	(10)
315	(12.6)
400	(16)
500	(20)
630	(25.2)
800	(32)
1000	(40)
1250	(50)
1400	(56)
1600	(64)

Choice of the belt pulley diameter should be based on the operating conditions, and should be made in agreement with the belt manufacturer.

NOTE. – This table does not apply to motorized or geared pulleys.