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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1816

CONTINUOUS MECHANICAL HANDLING EQUIPMENT
FOR LOOSE BULK MATERIALS AND UNIT LOADS
BELT CONVEYORS
BASIC CHARACTERISTICS OF MOTORIZED DRIVING PULLEYS

1st EDITION

August 1970

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Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 1816, *Continuous mechanical handling equipment for loose bulk materials and unit loads – Belt conveyors – Basic characteristics of motorized driving 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. 1816, which was circulated to all the ISO Member Bodies for enquiry in February 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	South Africa, Rep. of
Belgium	Israel	Sweden
Canada	Italy	Thailand
Czechoslovakia	Japan	Turkey
France	Norway	U.A.R.
Germany	Peru	United Kingdom
Greece	Poland	U.S.S.R.

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.

CONTINUOUS MECHANICAL HANDLING EQUIPMENT
FOR LOOSE BULK MATERIALS AND UNIT LOADS

BELT CONVEYORS

BASIC CHARACTERISTICS OF MOTORIZED DRIVING PULLEYS

1. SCOPE

This ISO Recommendation establishes the basic characteristics of motorized driving pulleys for belt conveyors.

2. SPECIFICATIONS

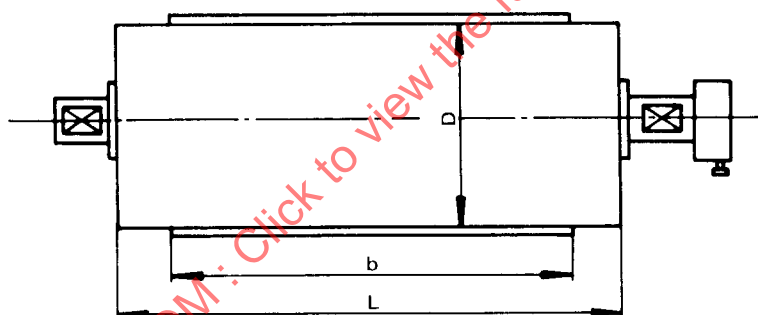


FIGURE – Motorized driving pulley

2.1 Dimensions

2.1.1 Nominal diameter

Dimensions in millimetres

<i>D</i>	160	200	(215)	250	315	400	500	630	800
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2.1.2 Length

The pulley length *L* is given in the following table with regard to the belt width *b* :

Dimensions in millimetres

<i>b</i>	300	400	500	650	800	1000	1200
<i>L</i>	400	500	600	750	950	1150	1400

2.2 Power rating

Values in kilowatts

<i>P</i>	0.37	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5
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