

ISO

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 2140

CONTINUOUS MECHANICAL HANDLING EQUIPMENT FOR LOOSE BULK MATERIALS

APRON CONVEYORS

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 2140, *Continuous mechanical handling equipment for loose bulk materials – Apron conveyors*, 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. 2140, which was circulated to all the ISO Member Bodies for enquiry in October 1970.

The Draft was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Austria	Ireland	Thailand
Belgium	Japan	Turkey
Czechoslovakia	Netherlands	U.A.R.
France	South Africa, Rep. of	United Kingdom
Germany	Spain	U.S.S.R.
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.

CONTINUOUS MECHANICAL HANDLING EQUIPMENT FOR LOOSE BULK MATERIALS

APRON CONVEYORS

1. SCOPE

This ISO Recommendation establishes the main dimensions concerning the construction of apron conveyors for loose bulk materials, namely : pitch of chain, width of apron, and height of check plates. Practical examples are given in Figure 2.

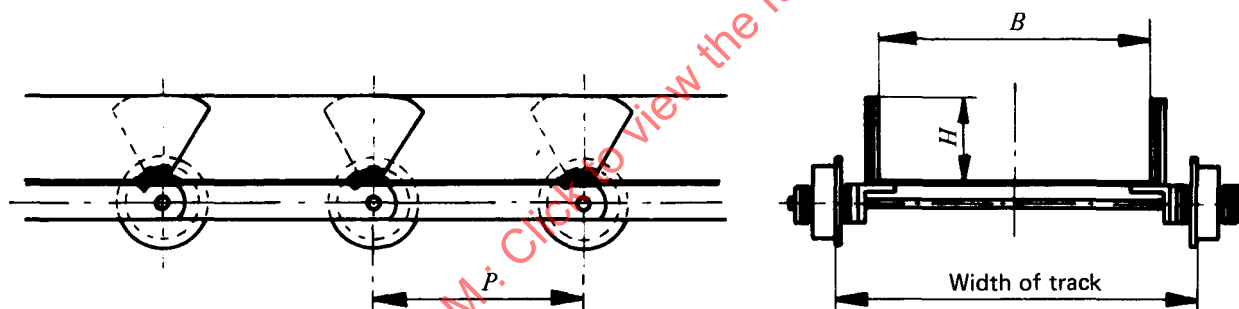


FIGURE 1 – General plan

2. SPECIFICATIONS

The following dimensions are given in millimetres.

2.1 Pitch P of chain

P	63	80	100	125	160	200	250	315	400	500
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2.2 Width B of apron

B	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500
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2.3 Height H of cheek plates

H	40	50	63	80	100	125	160	200	250	315	400	500
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NOTE. – Other values for the pitch of chain, width and height of apron may be taken from the R 10 or R 20 series of preferred numbers*.

* See ISO Recommendation R 3, *Preferred numbers – Series of preferred numbers*.