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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1807

CONTINUOUS MECHANICAL HANDLING EQUIPMENT
FOR LOOSE BULK MATERIALS

OSCILLATING CONVEYORS
AND SHAKING OR RECIPROCATING FEEDERS
WITH RECTANGULAR OR TRAPEZOIDAL TROUGH

1st EDITION

June 1970

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BRIEF HISTORY

The ISO Recommendation R 1807, *Continuous mechanical handling equipment for loose bulk materials – Oscillating conveyors and shaking or reciprocating feeders with rectangular or trapezoidal trough*, 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. 1807, which was circulated to all the ISO Member Bodies for enquiry in April 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Austria	Greece	South Africa, Rep. of
Belgium	Iran	Sweden
Canada	Israel	U.A.R.
Czechoslovakia	Italy	United Kingdom
Finland	Japan	U.S.S.R.
France	Peru	
Germany	Poland	

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

Four ISO Recommendations specify the characteristics of continuous mechanical handling equipment for loose bulk materials :

ISO/R 1049, *Conveyors and vibrating feeders with rectangular or trapezoidal trough*

ISO/R 1807, *Oscillating conveyors and shaking or reciprocating feeders with rectangular or trapezoidal trough*
(This ISO Recommendation)

ISO/R 1815*, *Vibrating feeders and conveyors with tubular trough*

ISO/R . . . **, *Oscillating conveyors and shaking or reciprocating feeders with tubular trough*

* At present Draft ISO Recommendation.

** At present at the stage of draft proposal.

CONTINUOUS MECHANICAL HANDLING EQUIPMENT FOR LOOSE BULK MATERIALS

OSCILLATING CONVEYORS AND SHAKING OR RECIPROCATING FEEDERS WITH RECTANGULAR OR TRAPEZOIDAL TROUGH

1. SCOPE

This ISO Recommendation establishes the basic characteristics of oscillating conveyors and shaking or reciprocating feeders with rectangular or trapezoidal trough.

2. FIELD OF APPLICATION

This ISO Recommendation applies to oscillating conveyors and shaking or reciprocating feeders with

- either rectangular (see Fig. 1 and 3) or trapezoidal (see Fig. 2 and 4) trough;
- either flat (see Fig. 1 and 2) or dished (see Fig. 3 and 4) bottom trough.

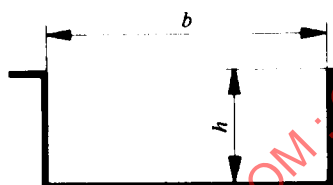


FIG. 1 - Rectangular flat bottom trough

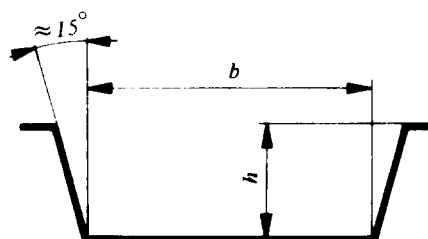


FIG. 2 - Trapezoidal flat bottom trough

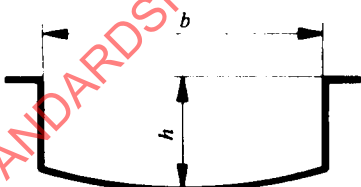


FIG. 3 - Rectangular dished bottom trough

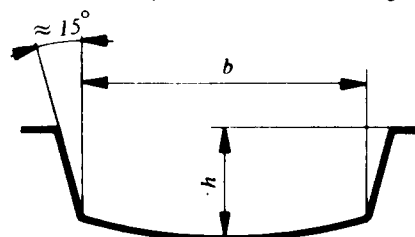


FIG. 4 - Trapezoidal dished bottom trough

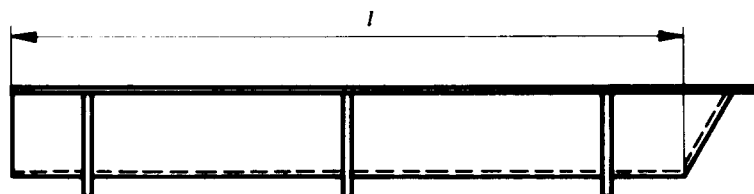


FIG. 5 - Length of trough