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# INTERNATIONAL STANDARD



# 1049

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

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## Continuous mechanical handling equipment for loose bulk materials — Vibrating conveyors and feeders with rectangular or trapezoidal trough

*Engins de manutention continue pour produits en vrac — Distributeurs et transporteurs vibrants à auges rectangulaires ou trapézoïdales*

First edition — 1975-11-01

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UDC 621.867.5

Ref. No. ISO 1049-1975 (E)

**Descriptors** : handling equipment, continuous handling, conveyors, bulk products, oscillating conveyors, mechanical feeders, specifications, dimensions.

## 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 101 has reviewed ISO Recommendation R 1049 and found it technically suitable for transformation. International Standard ISO 1049 therefore replaces ISO Recommendation R 1049-1969 to which it is technically identical.

ISO Recommendation R 1049 was approved by the Member Bodies of the following countries :

|                     |                       |                |
|---------------------|-----------------------|----------------|
| Belgium             | Germany               | Sweden         |
| Brazil              | Greece                | Switzerland    |
| Canada              | India                 | Turkey         |
| Chile               | Israel                | United Kingdom |
| Czechoslovakia      | Italy                 | U.S.S.R.       |
| Egypt, Arab Rep. of | Japan                 | Yugoslavia     |
| Finland             | Netherlands           |                |
| France              | South Africa, Rep. of |                |

The Member Body of the following country expressed disapproval of the Recommendation on technical grounds :

U.S.A.

No Member Body disapproved the transformation of ISO/R 1049 into an International Standard.

# Continuous mechanical handling equipment for loose bulk materials – Vibrating conveyors and feeders with rectangular or trapezoidal trough

## 1 SCOPE

This International Standard specifies the basic characteristics of vibrating conveyors and feeders with rectangular or trapezoidal trough.

## 2 FIELD OF APPLICATION

This International Standard applies to vibrating conveyors and feeders, with

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

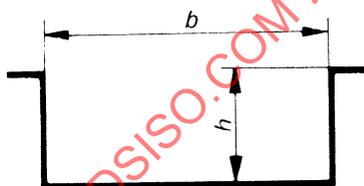


FIGURE 1 – Rectangular flat-bottom trough

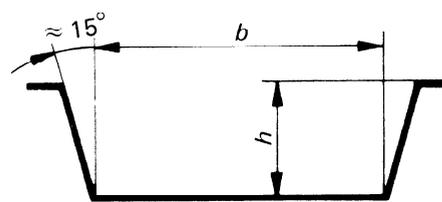


FIGURE 2 – Trapezoidal flat-bottom trough

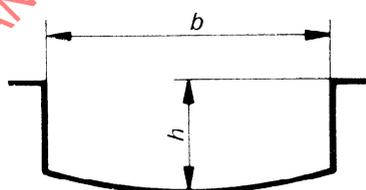


FIGURE 3 – Rectangular dished-bottom trough

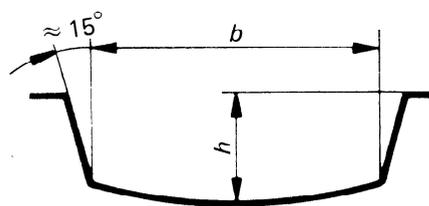


FIGURE 4 – Trapezoidal dished-bottom trough

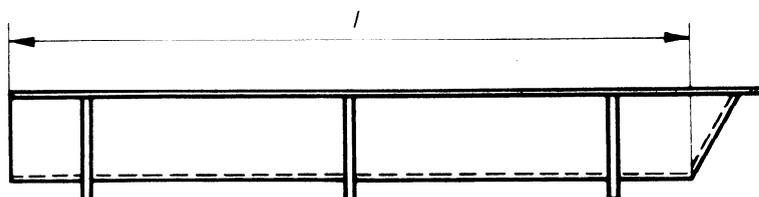


FIGURE 5 – Length of trough