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# INTERNATIONAL STANDARD



# 2389

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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 — Picking table conveyors — Safety code

First edition — 1972-06-15

**ITeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

ISO 2389:1972

<https://standards.iteh.ai/catalog/standards/sist/5734e322-8f4b-4cb3-bf16-8681ef04df3/iso-2389-1972>

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UDC 621.867.2 : 614.8

Ref. No. ISO 2389-1972 (E)

**Descriptors** : materials handling equipment, conveyors, belt conveyors, bulk handling, safety.

Price based on 1 page

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.

International Standard ISO 2389 was drawn up by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*.

It was approved in November 1971 by the Member Bodies of the following countries:

ISO 2389:1972		
Belgium	Ireland	South Africa, Rep. of
Canada	Italy	Sweden
Czechoslovakia	Japan	Thailand
Egypt, Arab Rep. of	Korea, Rep. of	Turkey
Finland	Netherlands	United Kingdom
France	New Zealand	U.S.A.
Germany	Poland	U.S.S.R.
India	Romania	

No Member Body expressed disapproval of the document.

# Continuous mechanical handling equipment for loose bulk materials — Picking table conveyors — Safety code

## 1 SCOPE

This International Standard specifies, in addition to the general safety rules set out in ISO/R 1819, the special safety rules for the following continuous mechanical handling equipment for loose bulk materials: picking table conveyors.

## 2 FIELD OF APPLICATION

The safety rules laid down in this International Standard apply regardless of the use for which the equipment is intended.

These safety rules limit the supplier's responsibility to continuous mechanical handling equipment proper, excluding the structures to which such equipment is affixed.

## 3 REFERENCES

ISO/R 1819, *Continuous mechanical handling equipment — Safety code — General rules*.

ISO/R 1821, *Continuous mechanical handling equipment for loose bulk materials — Belt feeders and conveyors — Safety code*.

## 4 SPECIAL SAFETY RULES

The construction and operation for picking table conveyors shall meet

- the legal and local requirements relating to safety in general<sup>1)</sup>,
- the principles laid down in section 1 of ISO/R 1819,

1) See Appendix Z of ISO/R 1819.

- the general rules laid down in section 2 of ISO/R 1819,
- the special rules laid down in ISO/R 1821,
- the following special rules:

### 4.1 In the construction stage (design and manufacture)

4.1.1 Continuous side guarding shall be provided at both carrying and return idlers where pickers are working.

4.1.2 In addition to rule 2.1.6 of ISO/R 1819, the belt speed shall not exceed 0.30 m/s when the mass of the heaviest lump to be picked up exceeds 5 kg.

4.1.3 Considering possible speed and conveyor duty, the width of the belt shall be determined so that the thickness of the stream is nearly equal to the average size of the largest lumps.

### 4.2 During the installation stage (design, commissioning and entry into service)

4.2.1 The height of the picking surface above the ground or service platform shall be preferably 0.80 m.

4.2.2 Any picking table conveyor with a belt wider than 0.65 m shall be served by pickers on each side of the belt.

Ample space shall be provided for pickers to ensure satisfactory working conditions.

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