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# INTERNATIONAL STANDARD



# 5042

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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 unit loads — Slat band chain conveyors — Safety code

*Engins de manutention continue pour charges isolées — Transporteurs à chaînes-charnières ou à plaques —  
Code de sécurité*

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[ISO 5042:1977](#)

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**Descriptors** : handling equipment, continuous handling, unit loads, chain conveyors, safety requirements.

## 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 5042 was developed by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, and was circulated to the member bodies in February 1976.

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It has been approved by the member bodies of the following countries :

Australia	Germany	Spain
Austria	India	Sweden
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No member body expressed disapproval of the document.

# Continuous mechanical handling equipment for unit loads – Slat band chain conveyors – Safety code

## 1 SCOPE

This International Standard specifies, in addition to the general safety rules set out in ISO 1819, the special safety rules for the following continuous mechanical handling equipment for unit loads: slat band chain conveyors.<sup>1)</sup>

## 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 properly so called, excluding the structures to which such equipment is fixed.

## 3 REFERENCES

ISO 1819, *Continuous mechanical handling equipment – Safety code – General rules.*<sup>2)</sup>

ISO 2148, *Continuous handling equipment – Nomenclature.*

## 4 SPECIAL SAFETY RULES

The design, construction and operation of slat band chain conveyors for unit loads shall meet:

- the legal and local requirements relating to safety in general (see appendix Z of ISO 1819);
- the principles laid down in clause 1 of ISO 1819;
- the general rules laid down in clause 2 of ISO 1819;
- the following special rules.

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

4.1.1 The conveyor shall be equipped with guiding devices to prevent any lateral tipping of the loads.

4.1.2 In compliance with rule 2.1.7 of ISO 1819, the chain or slat nip points shall be guarded when they are normally accessible to personnel.

### 4.2 During the utilization stage (operation and maintenance)

4.2.1 In conformity with rule 2.3.5 of ISO 1819, the manual cleaning of wheels, chains and other components shall be forbidden unless the conveyor is at rest, and the starting devices have been rendered inoperative.

1) See 2.21.161 of ISO 2148.

2) At present at the stage of draft. (Revision of ISO/R 1819-1970.)

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