
INTERNATIONAL STANDARD



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Continuous mechanical handling equipment for unit loads — Continuous plate conveyors (horizontal) — Safety code

*Engins de manutention continue pour charges isolées — Carrousels à plaques ou à plateaux
porteurs — Code de sécurité*

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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 5043 was developed by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, and was circulated to the member bodies in February 1976.

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

Australia	Germany	Spain
Austria	India	Sweden
Belgium	Japan	Turkey
Bulgaria	Mexico	United Kingdom
Chile	Netherlands	U.S.S.R.
Czechoslovakia	Poland	Yugoslavia
Finland	Romania	
France	South Africa, Rep. of	

No member body expressed disapproval of the document.

Continuous mechanical handling equipment for unit loads – Continuous plate conveyors (horizontal) – 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: continuous plate conveyors (horizontal).¹⁾

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.*²⁾

ISO 2148, *Continuous handling equipment – Nomenclature.*

4 SPECIAL SAFETY RULES

The design, construction and operation of continuous plate conveyors (horizontal) 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 In addition to rule 2.1.7 of ISO 1819, pinch points created as the plates change direction shall be guarded.

The gaps created by any discharge device, whether it is an integral part of the equipment or not, shall be guarded.

4.1.2 Where side guard angles are fitted to form a continuous shroud over the edges of the plates, the gap between the underside of the angles and plates shall not be such that the fingers of personnel can become trapped.

4.2 During the installation stage (layout, erection and entry into service)

4.2.1 The appliance shall be erected and aligned horizontally with care. This particularly applies to the plates.

4.3 During the utilization stage (operation and maintenance)

4.3.1 The maximum speed indicated by the manufacturer shall not be exceeded.

1) See 2.21.07 of ISO 2148.

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