
INTERNATIONAL STANDARD



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Continuous mechanical handling equipment for unit loads — Spiral roller conveyor chutes, spiral chutes, and chutes for packages — Safety code

Engins de manutention continue pour charges isolées — Descenseurs hélicoïdaux à rouleaux, tobogans lisses, goulottes, glissières et couloirs — 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 3281 was drawn up by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, and circulated to the Member Bodies in November 1973.

It has been approved by the Member Bodies of the following countries :

| | | |
|---------------------|-----------------------|----------------|
| Australia | Germany | Spain |
| Belgium | India | Sweden |
| Bulgaria | Ireland | Thailand |
| Canada | Japan | Turkey |
| Czechoslovakia | Mexico | United Kingdom |
| Egypt, Arab Rep. of | Netherlands | U.S.A. |
| Finland | Romania | U.S.S.R. |
| France | South Africa, Rep. of | Yugoslavia |

No Member Body expressed disapproval of the document.

Continuous mechanical handling equipment for unit loads – Spiral roller conveyor chutes, spiral chutes, and chutes for packages – 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 unit loads: spiral roller conveyor chutes, spiral chutes, and chutes for packages.

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 REFERENCE

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

4 SPECIAL SAFETY RULES

The construction and operation for spiral roller conveyor chutes, spiral chutes, and chutes for packages shall meet:

- the legal and local requirements relating to safety in general (see appendix Z of ISO/R 1819),

- the principles laid down in clause 1 of ISO/R 1819,
- the general rules laid down in clause 2 of ISO/R 1819,
- the following special rules:

4.1 In the construction stage (design and manufacture)

4.1.1 It is recommended that, where necessary, the appliance should be enclosed, or fenced so as to prevent whole or partial access by unauthorized personnel.

4.1.2 The discharge ends of chutes excluding transfer points shall be protected. Where necessary, retarding devices shall be fitted.

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

4.2.1 In addition to rules 2.1.3 and 2.2.11 of ISO/R 1819, guards shall also be provided to protect personnel from any articles being accidentally thrown out.

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