
INTERNATIONAL STANDARD



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Continuous mechanical handling equipment for loose bulk materials — Screw feeders and conveyors — Safety code

Engins de manutention continue pour produits en vrac — Distributeurs et transporteurs à vis — 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 3264 was drawn up by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, and circulated to the Member Bodies in September 1973.

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

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

No Member Body expressed disapproval of the document.

Continuous mechanical handling equipment for loose bulk materials – Screw feeders and 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 : screw feeders and 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 REFERENCE

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

4 SPECIAL SAFETY RULES

The construction and operation of screw feeders and conveyors shall meet :

- the legal and local requirements relating to safety in general¹⁾,

- 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 The top of the trough containing the screw shall be covered at all points other than the feed and discharge areas.

4.1.2 The opening of covers, inspection covers or covers of protective devices liable to expose the screw element while the appliance is in operation is normally prohibited.

Where the user informs the manufacturer in writing that he intends to allow persons to open, while the appliance is in operation, inspection covers or protective devices which will expose the moving screw, fixed guards which will prevent access to the screw shall be provided. For example, a guard having openings of 40 mm X 40 mm should be placed not less than 100 mm from the edge of the screw.

4.1.3 Feed and discharge openings shall be designed to prevent access to moving parts, or alternatively suitable guards shall be provided.

1) See Appendix Z of ISO/R 1819.