INTERNATIONAL STANDARD ISO 3280

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Continuous mechanical handling equipment for unit loads — Gravity roller and wheel conveyors, extensible-roller or telescopic-roller conveyors, and hinged-roller conveyors (gates) — Safety code

Engins de manutention continue pour charges isolées — Transporteurs par gravité à rouleaux et à galets, transporteurs à rouleaux extensibles ou télescopiques, et transporteurs à rouleaux relevables (portillons) — Code de sécurité

First edition — 1974-12-15

annulé
see 7149

UDC 621.867.6 : 614.8

Ref. No. ISO 3280-1974 (E)

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

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 3280 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	Ireland	Sweden
Belgium	Italy	Thailand
Bulgaria	Japan	Turkey
Czechoslovakia	Mexico	United Kingdom
Egypt, Arab Rep. of	Netherlands	U.S.A.
Finland	New Zealand	U.S.S.R.
France	Romania	Yugoslavia
Germany	South Africa, Rep. of	
India	Spain	

No Member Body expressed disapproval of the document.

Printed in Switzerland

Continuous mechanical handling equipment for unit loads — Gravity roller and wheel conveyors, extensible-roller or telescopic-roller conveyors, and hinged-roller conveyors (gates) — 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 : gravity roller and wheel conveyors, extensible-roller or telescopic-roller conveyors, and hinged-roller conveyors (gates).

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 gravity roller and wheel conveyors, extensible-roller or telescopic-roller conveyors, and hinged-roller conveyors (gates) 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 When the height of the top of the rollers or wheels exceeds 1,80 m above the ground or the service platform, or where there is a risk of personnel being injured by a falling load, continuous guiding devices shall be provided, high and strong enough to prevent accidental dropping of the load. Such guides need not be provided at loading or unloading points.

4.1.2 In addition to rule 2.1.6 of ISO/R 1819, the loading and unloading operations shall be achieved by means of a mechanical device when the dimensions, the speed, the mass, etc., of the loads or parcels, according to the information received from the user, are too high for manual handling.

4.1.3 In addition to rule 2.1.8 of ISO/R 1819, the gates or other access devices which interrupt the circuit shall be so designed that, when in the open (access) position, the flow of materials is automatically arrested before the gate or device.

4.1.4 Hinged gates shall be adequately counterbalanced.

4.2 During the utilization stage (operation and maintenance)

4.2.1 Extensible-roller or telescopic-roller conveyors and hinged sections of roller conveyors (gates) shall be operated exclusively by the means provided by the constructor.

Instructions shall be given to the operating personnel accordingly.

4.2.2 Notices shall be displayed adjacent to gates to indicate that they must be closed properly after use.