INTERNATIONAL STANDARD 3283

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Continuous mechanical handling equipment — Transfer points — Safety code

Engins de manutention continue — Zones de transfert entre appareils — 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 3283 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.

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Continuous mechanical handling equipment — Transfer points — Safety code

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies, in addition to the general safety rules set out in ISO/R 1819, the special safety rules for transfer points in continuous mechanical handling equipment for loose bulk materials and for unit loads.

2 REFERENCE

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

3 TRANSFER POINTS IN CONTINUOUS MECHANICAL HANDLING EQUIPMENT FOR LOOSE BULK MATERIALS (with or without auxiliary equipment, when these points are normally accessible to the personnel)

The design, construction and operation of transfer points in continuous mechanical handling equipment for loose bulk materials (with or without auxiliary equipment) shall satisfy :

— the legal 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 special rules for the equipment upstream and downstream,

— the following special rules :

3.1 In the construction stage (design and manufacture)

The flow capacity of the receiving equipment shall be greater than or equal to that of the feeding equipment.

3.2 In the installation stage (design, commissioning and entry into service)

3.2.1 All accessible shear and nip points shall be guarded.

3.2.2 Access or passageways shall be adequate.

3.2.3 Emergency stop switches or devices shall be provided at transfer points.

3.2.4 The system shall be so interconnected that the stoppage of any unit causes all preceding feeding equipment to be stopped or the diversion of products.

3.3 In the utilization stage (operation and maintenance)

If necessary, special instructions will be given.

4 TRANSFER POINTS IN CONTINUOUS MECHANICAL HANDLING EQUIPMENT FOR UNIT LOADS (with or without auxiliary equipment, when these points are normally accessible to the personnel)

The design, construction and operation of transfer points in continuous handling equipment for unit loads (with or without auxiliary equipment) shall satisfy :

— the legal 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 special rules for the equipment upstream and downstream,

— the following special rules :

4.1 In the construction stage (design and manufacture)

The flow capacity of the receiving equipment shall be greater than or equal to that of the feeding equipment. In the case of reversible flow, both flow capacities shall be the same.

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

4.2.1 All accessible shear and nip points shall be guarded.

4.2.2 Access or passageways shall be adequate.

4.2.3 Emergency stop switches or devices shall be provided at transfer points.

4.2.4 The system shall be so interconnected that the stoppage of any unit causes all preceding feeding equipment to be stopped or the diversion of loads.