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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 2149

CONTINUOUS MECHANICAL HANDLING EQUIPMENT FOR UNIT LOADS

OVERHEAD MONORAIL CHAIN CONVEYORS

SAFETY CODE

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 2149, *Continuous mechanical handling equipment for unit loads – Overhead monorail chain conveyors – Safety code*, was drawn up by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, the Secretariat of which is held by the Association Française de Normalisation (AFNOR).

Work on this question led to the adoption of Draft ISO Recommendation No. 2149, which was circulated to all the ISO Member Bodies for enquiry in October 1970.

The Draft was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	Ireland	Sweden
Austria	Japan	Thailand
Belgium	Korea, Rep. of	U.A.R.
Czechoslovakia	Netherlands	United Kingdom
France	New Zealand	U.S.A.
Germany	South Africa, Rep. of	U.S.S.R.
India	Spain	

No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

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1. SCOPE

This ISO Recommendation specifies, in addition to the general safety rules set out in ISO Recommendation R 1819, *Continuous mechanical handling equipment – Safety code – General rules*, the special safety rules for the following continuous mechanical handling equipment for unit loads : overhead monorail chain conveyors.

2. FIELD OF APPLICATION

The safety rules laid down in this ISO Recommendation 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. SPECIAL SAFETY RULES

The construction and operation for overhead monorail chain conveyors, should meet :

- the legal and local requirements relating to safety in general*,
- the principles laid down in section 1 of ISO Recommendation R 1819,
- the general rules laid down in section 2 of ISO Recommendation R 1819,
- the following special rules :

3.1 In the construction stage (design and manufacture)

3.1.1 All traction mechanism drives should be equipped with load limiters (with or without motor cut-out), i.e. independently of the thermal cut-out devices of the electrical switchgear.

If several drives operate in one group, the entire group should be cut out when the load limiter of one drive responds.

3.1.2 Load carriers and hangers must be connected to the traversing gear and the traction equipment in such a way that they cannot become detached by themselves.

* See Appendix Z of ISO Recommendation R 1819.