

# ISO

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 2196

CONTINUOUS MECHANICAL HANDLING EQUIPMENT FOR UNIT LOADS

SINGLE STRAND FLOOR MOUNTED TRUCK CONVEYORS  
(CHAIN ABOVE FLOOR)

SAFETY CODE

1st EDITION

August 1971

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## BRIEF HISTORY

The ISO Recommendation R 2196, *Continuous mechanical handling equipment for unit loads - Single strand floor mounted truck conveyors (chain above floor) - 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. 2196, which was circulated to all the ISO Member Bodies for enquiry in November 1970.

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

|                |                       |                |
|----------------|-----------------------|----------------|
| Austria        | Italy                 | Spain          |
| Belgium        | Japan                 | Sweden         |
| Czechoslovakia | Korea, Rep. of        | Thailand       |
| France         | Netherlands           | U.A.R.         |
| Germany        | New Zealand           | United Kingdom |
| Greece         | South Africa, Rep. of | U.S.S.R.       |

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 : single strand floor mounted truck conveyors (chain above floor).

**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 single strand floor mounted truck conveyors (chain above floor), 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 (main sections and branch lines) should be equipped with load limiters (with or without motor cut-out), which respond when the permissible traction force is exceeded, i.e. independently of the overload safety 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.

\* See Appendix Z of ISO Recommendation R 1819.