

This is a preview of "ISO 7189:1983". [Click here to purchase the full version from the ANSI store.](#)

International Standard 7189

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

ANSI Internat Doc Sect

Continuous mechanical handling equipment — Apron conveyors — Design rules

Engins de manutention continue — Transporteurs à tablier articulé — Règles pour le calcul

First edition — 1983-12-15

UDC 621.867.152.5

Ref. No. ISO 7189-1983 (E)

Descriptors : material handling equipment, continuous handling, apron conveyors, symbols, formulas (mathematics).

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (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 authorized 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 7189 was developed by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, and was circulated to the member bodies in February 1981.

It has been approved by the member bodies of the following countries:

Austria	France	Romania
Belgium	Korea, Dem. P. Rep. of	Sweden
Brazil	Korea, Rep. of	United Kingdom
Czechoslovakia	Netherlands	USSR
Egypt, Arab Rep. of	Norway	
Finland	Poland	

The member body of the following country expressed disapproval of the document on technical grounds:

Germany, F.R.

Continuous mechanical handling equipment — Apron conveyors — Design rules

1 Scope

This International Standard establishes design rules for apron conveyors.

2 Field of application

This International Standard is applicable to apron conveyors used for the transport of both loose bulk materials and unit loads.¹⁾

It refers to the following appliances :

	Reference No. (ISO 2148)
a) Apron conveyors	2.14.08

b) Apron conveyors	2.14.081
c) Pan conveyors	2.14.082
d) Apron conveyors with closed pans	2.14.083
e) Slat conveyors (metal or wood)	2.21.04 + 2.21.041 + 2.21.042
f) Continuous (circular) plate conveyors (horizontal)	2.21.07

3 Reference

ISO 2148, *Continuous mechanical handling equipment — Nomenclature.*

¹⁾ The design rules remain valid if round link chains are used instead of flat link chains.