
INTERNATIONAL STANDARD



2406

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Continuous mechanical handling equipment — Mobile and portable conveyors — Constructional specifications

Engins de manutention continue — Transporteurs-élévateurs mobiles et portables — Spécifications pour la construction

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Descriptors : handling equipment, conveyors, mobile equipment, portable equipment, dimensions, specifications.

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 2406 was drawn up by Technical Committee ISO/TC 101, *Continuous mechanical handling equipment*, and circulated to the Member Bodies in August 1971.

It has been approved by the Member Bodies of the following countries :

Belgium	Germany	Romania
Canada	India	Spain
Czechoslovakia	Ireland	Sweden
Egypt, Arab Rep. of	Italy	Thailand
Finland	Netherlands	United Kingdom
France	New Zealand	U.S.S.R.

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Japan
South Africa, Rep. of

Continuous mechanical handling equipment – Mobile and portable conveyors – Constructional specifications

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensional characteristics of mobile and portable conveyors.

2 REFERENCES

ISO/R 1816, *Continuous mechanical handling equipment for loose bulk materials and unit loads – Belt conveyors – Basic characteristics of motorized driving pulleys.*

ISO/R 2109, *Continuous mechanical handling equipment – Light duty belt conveyors for loose bulk materials.*

3 DEFINITIONS

3.1 mobile conveyor : A conveyor designed to be moved as a unit either on wheels, crawlers or pontoons.

3.2 portable conveyor : A conveyor designed to be lifted and moved, usually manually, as a unit from one position to another.

4 TYPES

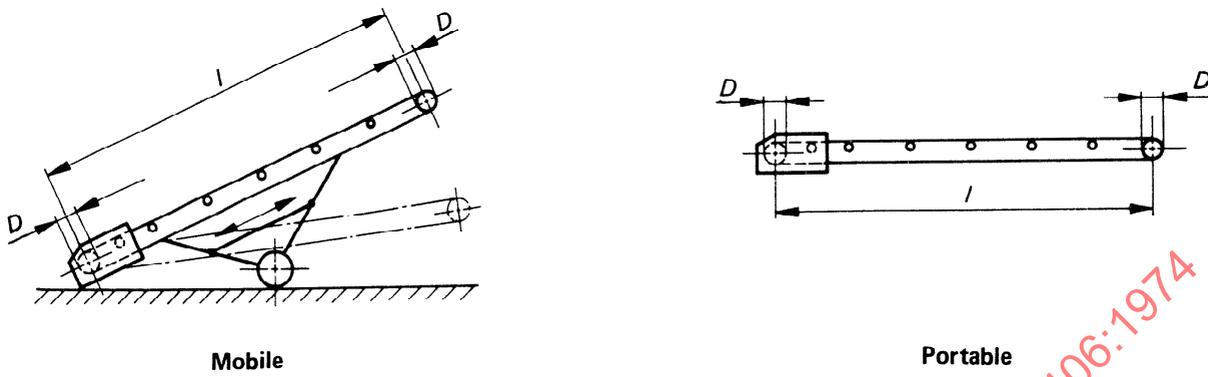
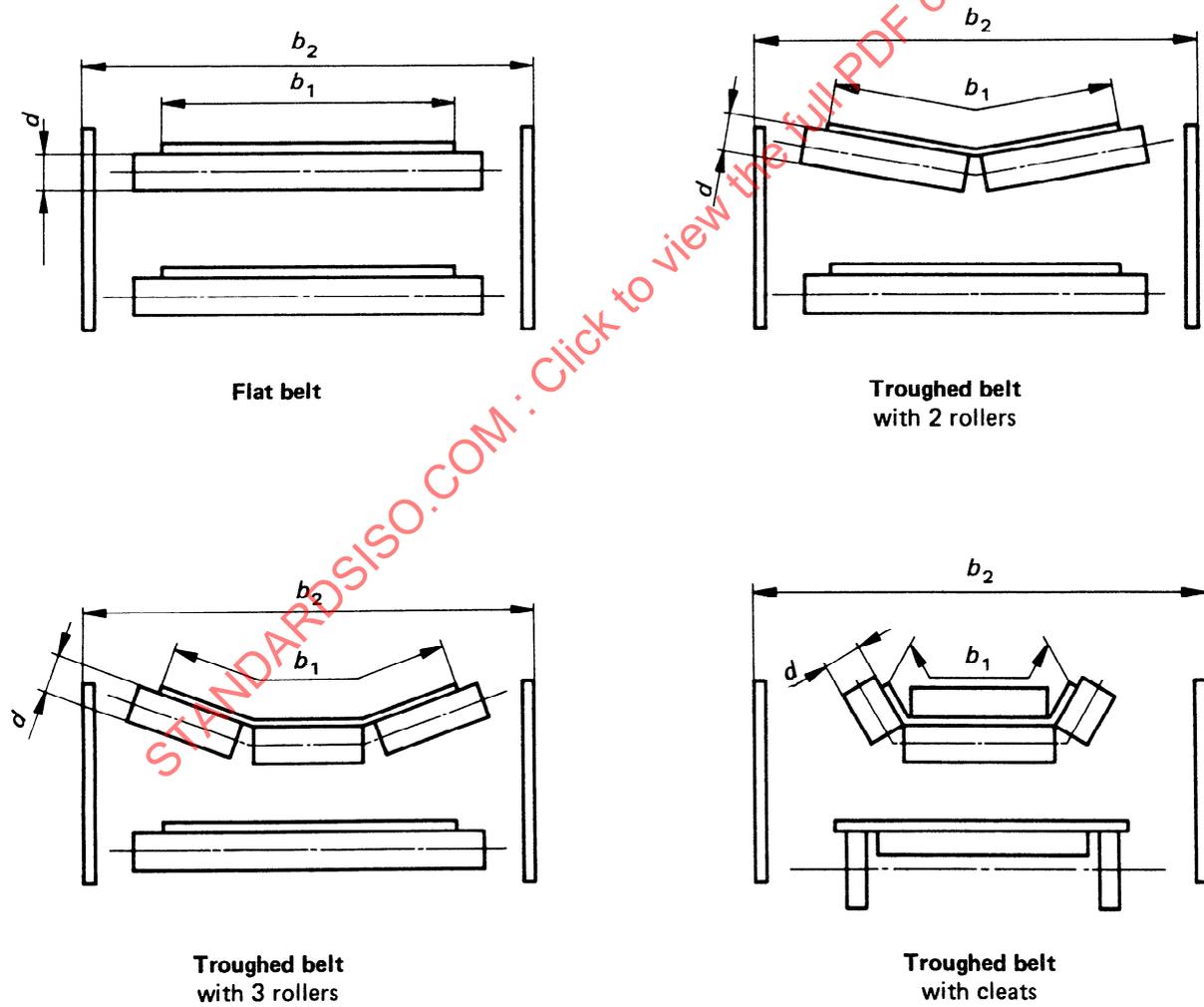


FIGURE 1 – Types of conveyor



For the dimensions of the idlers, see ISO/R 2109.

FIGURE 2 – Idler layouts

5 DIMENSIONS

5.1 Belt width b_1 and structure width b_2

Dimensions in millimetres

b_1 *	300	400	500	650	800	1 000
b_2 max.	600	700	800	950	1 150	1 350

* For portable conveyors, 650 mm maximum.

5.2 Centre-to-centre length l

Dimensions in metres

l *	2	4	6	8	10	12	14	16	20	(24)**	(28)**
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* For portable conveyors, 10 m maximum.

** The values in parentheses are only indicative, the other dimensions are preferred.

The type of belt is left to the constructor's choice.

Choice of pulley diameter depends on the type and the characteristics of the belt.

5.3 Diameters of carrying idlers

Dimensions in millimetres

d	51	63,5	76,1	88,9	101,6	108	127
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5.4 Pulley dimensions (Nominal diameters)

Dimensions in millimetres

D	100	125	160	200	215*	250	315	400	500	630
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* Diameter of motorized driving pulleys.

For lengths of motorized driving pulleys, see ISO/R 1816.

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