
**Cranes — Anchoring devices for
in-service and out-of-service conditions —
Part 4:
Jib cranes**

*Appareils de levage à charge suspendue — Dispositif d'ancrage en dehors
des conditions de service*
Partie 4: Grues à flèche

ISO 12210-4:1998
<https://standards.iteh.ai/catalog/standards/sist/68d0fdac-dfcd-49a3-9441-fce9aa7eb26e/iso-12210-4-1998>



Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 12210-4 was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee 8, *Jib cranes*.

Annex A of this part of ISO 12210 is for information only.

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Cranes — Anchoring devices for in-service and out-of-service conditions —

Part 4: Jib cranes

1 Scope

This part of ISO 12210 provides specific requirements for anchoring devices for in-service and out-of-service conditions for jib cranes as defined in ISO 4306-1, other than tower cranes, mobile cranes and railway cranes that are otherwise generally covered by other parts of ISO 12210.

2 Normative reference(s)

The following standards contain provisions, which, through reference in this text constitute provisions of this part of ISO 12210. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this part of ISO 12210 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of the IEC and ISO maintain registers of currently valid International Standards.

ISO 8686-1: 1989, *Cranes — Design principles for loads and load combinations — Part 1: General*.

ISO 12210-1: –¹, *Cranes — Anchoring devices for in-service and out-of-service conditions — Part 1: General*.

3 Design and installation

Anchoring devices shall be designed as specified in ISO 12210-1 and fitted in accordance with table 1.

4 Information to be supplied

Information shall be provided as specified in ISO 12210-1.

¹ To be published.

Table 1 — Anchoring devices

Jib crane type and motion	Anchoring device required ¹⁾		
	Anchored in the out-of-service condition	Anchored in the in-service condition	In-service conditions of high wind ²⁾
Portal/ semi-portal			
Travelling	X	X	X
Hoisting	—	—	—
Slewing	O	O	X
Luffing	O	O	X
Traversing	O	O	X
Derrick			
Travelling	X	X	X
Hoisting	—	—	—
Slewing	O	O	X
Luffing	—	—	—
Pillar Jib			
Slewing	—	—	X
Hoisting	—	—	—
Traversing	—	—	—
¹⁾ X indicates a mandatory requirement; o indicates an optional requirement; — indicates not required. ²⁾ Anchoring device shall be actuated either automatically or by the crane driver when the wind velocity exceeds the in-service design value in accordance with ISO 8686-1.			

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Annex A **(informative)**

Bibliography

- [1] ISO 4302:1981, *Cranes — Wind load assessment*.
- [2] ISO 4306-1:1990, *Cranes — Vocabulary — Part 1: General*.

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Descriptors: handling equipment, lifting equipment, cranes (hoists), jib cranes, safety devices, crane anchorages, specifications, use.

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