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## Cranes — Classification —

### Part 4: Jib cranes

*Grues — Classification —  
Partie 4: Grues à flèche*

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## ISO 4301-4

Second edition  
2025-11



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Published in Switzerland

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This document was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 8, *Jib cranes*.

This second edition cancels and replaces the first edition (ISO 4301- 4:1989), which has been technically revised.

The main changes are as follows:

- updated normative references;
- new approach for the classification of jib cranes and its components has been introduced, based on ISO 4301-1:2016;
- new [Annex A](#) for transforming a time-based classification (ISO 4301-1:1986) into a cycle-based classification (ISO 4301-1:2016).

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Jib cranes are designed for a duty that can be expressed in number of work cycles, load spectrum factor and average displacements. However, there can be wide variations in their duty. The design of jib cranes takes into account the specified duty in order to reach an appropriate level of safety and useful design life, which is in line with the purchaser's requirements.

Classification serves as a reference framework between purchaser and manufacturer, by which a particular jib crane can be matched to the intended service. It is also the system used to provide a means of establishing rational bases for the design of jib crane structure and mechanisms.