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## **Cranes — Vocabulary —**

### **Part 4: Jib cranes**

*Appareils de levage à charge suspendue — Vocabulaire —  
Partie 4: Grues à flèche*



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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

A list of all parts in the ISO 4306 series can be found on the ISO website.

# Cranes — Vocabulary —

## Part 4: Jib cranes

### 1 Scope

The ISO 4306 series establishes a vocabulary of the most commonly used terms in the field of cranes.

This document defines the terms related to jib type cranes.

Mobile cranes, tower cranes, railway cranes, and offshore cranes are excluded.

[Annex A](#) contains a diagram showing the different types of jib cranes.

### 2 Normative reference

There are no normative references in this document.

### 3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

#### 3.1

##### **portal slewing crane**

travelling slewing crane mounted on a portal allowing or not allowing railcars, vehicles and equipment to pass under it

#### 3.2

##### **single-boom portal slewing crane**

*portal slewing crane* (3.1) with a single boom pinned to the front of the rotating platform at its inner end and suspending load-handling device at its outer end, and of which load-handling device can move along nearly horizontal path by means of compensation methods during boom luffing

Note 1 to entry: See [Figure 1](#).

#### 3.3

##### **double link boom portal slewing crane**

*portal slewing crane* (3.1) with a boom system consisting of boom, fly jib and tension bar, and of which the outer end of the fly jib can remain at a nearly constant height and the load-handling device moves along nearly horizontal path during boom luffing

Note 1 to entry: See [Figure 2](#).

#### 3.4

##### **portal slewing crane with slewing ring**

*portal slewing crane* (3.1) with a slewing ring mounted between rotating platform and cylinder, and of which the vertical load, horizontal load and moment are borne by the slewing ring

Note 1 to entry: See [Figure 2](#).