BS ISO 9927-5:2017

BSI Standards Publication

Cranes — Inspections

Part 5: Bridge and gantry cranes, including portal and semi-portal cranes and their supporting structures

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National foreword

This British Standard is the UK implementation of ISO 9927-5:2017.

The UK participation in its preparation was entrusted to Technical Committee MHE/3/3, Bridge, gantry and slewing jib cranes.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Cranes — Inspections —

Part 5: Bridge and gantry cranes, including portal and semi-portal cranes and their supporting structures

Appareils de levage à charge suspendue — Vérifications —

Partie 5: Ponts et portiques roulants, y compris les ponts portiques et semi-portiques et leurs structures portantes

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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).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 96, *Cranes*, Subcommittee SC 9, *Bridge and gantry cranes*.

A list of all parts in the ISO 9927 series can be found on the ISO website.

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Cranes — Inspections —

Part 5:
Bridge and gantry cranes, including portal and semi-portal cranes and their supporting structures

1 Scope

This document specifies the inspections to be carried out on bridge and gantry cranes. It is intended to be used in conjunction with ISO 9927-1.

It does not cover inspection prior to the first use of a bridge or gantry crane.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4309, *Cranes — Wire ropes — Care and maintenance, inspection and discard*

ISO 9927-1, *Cranes — Inspections — Part 1: General*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

— ISO Online browsing platform: available at http://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
competent person
person who has the necessary practical and theoretical knowledge and the necessary experience of the crane and equipment used in the lifting operation to carry out the function satisfactorily

Note 1 to entry: Some countries have legislation about the qualifications required for persons inspecting cranes.

4 General

In order to ensure safe operation of bridge and gantry cranes, their proper working and operational condition shall be maintained. Therefore, all cranes need to undergo regular inspections. This ensures that deviations from safe conditions are detected and can be rectified. The inspections shall be arranged by the user.

The regular inspections are

— daily inspections,

— frequent inspections,

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