International Standard

ISO 12480-5

First edition
2026-06

Cranes — Safe use —

Part 5: Bridge and gantry cranes

Grues — Sécurité d'emploi —

Partie 5: Ponts roulants et ponts portiques

Reference number
ISO 12480-5:2026(en)

© ISO 2026



COPYRIGHT PROTECTED DOCUMENT

© ISO 2026

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Crane activities **1**

4.1 Crane installation and relocation 1

4.2 Crane operation 2

4.3 Environmental considerations 2

5 Maintenance, inspection and condition monitoring **2**

5.1 General 2

5.2 Leaving the crane unattended 2

6 Load-lifting attachments applications **3**

© ISO 2026 – All rights reserved

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.

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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 96, *Cranes*, Subcommittee SC 9, *Bridge and gantry cranes*.

A list of all parts in the ISO 12480 series can be found on the ISO website.

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.

© ISO 2026 – All rights reserved

Cranes — Safe use —

Part 5:
Bridge and gantry cranes

1 Scope

This document establishes required practices for the safe use of bridge and gantry cranes. It is intended to be used in conjunction with ISO 12480-1.

This document applies to the bridge and gantry cranes as defined in ISO 4306-1 and ISO 4306-5.

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 4306-1, *Cranes — Vocabulary — Part 1: General*

ISO 4306-5, *Cranes — Vocabulary — Part 5: Bridge and gantry cranes*

ISO 9927-5, *Cranes — Inspections — Part 5: Bridge and gantry cranes, including portal and semi-portal cranes and their supporting structures*

ISO 12480-1:2024, *Cranes — Safe use — Part 1: General*

ISO 12482, *Cranes — Monitoring for crane design working period*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4306-1, ISO 4306-5, ISO 12480-1 and the following apply.

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

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

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

3.1
relocation
transfer of cranes from one place to another for using by dismantling or as a whole

4 Crane activities

4.1 Crane installation and relocation

Crane installation and relocation shall be in accordance with ISO 12480-1:2024, 6.4, and shall also meet the following requirements:

a) safe working procedures for installation and relocation shall be established and implemented;

© ISO 2026 – All rights reserved