



SLOVENSKI STANDARD SIST EN 15056:2026

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Cranes - Requirements for container handling spreaders

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Appareils de levage à charge suspendue - Exigences pour les spreaders
manutentionnant des conteneurs

Ta slovenski standard je istoveten z: EN 15056:2026

ICS:

53.020.20	Dvigala	Cranes
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EUROPEAN STANDARD
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EN 15056

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ICS 53.020.20

Supersedes EN 15056:2006+A1:2009

English Version

Cranes - Requirements for container handling spreaders

Appareils de levage à charge suspendue - Exigences
pour les palonniers pour conteneurs (spreaders)

Krane - Anforderungen an Spreader zum Umschlag von
Containern

This European Standard was approved by CEN on 20 April 2026.

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Contents

Page

European foreword	4
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms, definitions and terminology	7
3.1 Terms and definitions	7
3.2 Terminology	9
4 Safety requirements and/or protective measures	11
4.1 General.....	11
4.1.1 General requirements	11
4.1.2 Safety related functions.....	11
4.1.3 Suspending (by passing) of safeguarding	12
4.1.4 Spreader with single point suspension.....	12
4.2 Requirement for strength	12
4.2.1 Structural	12
4.2.2 Connection to the crane.....	13
4.2.3 Telescopic motion.....	13
4.3 Twistlock system.....	13
4.3.1 General.....	13
4.3.2 Twistlock.....	13
4.3.3 Mechanical blockading	14
4.3.4 Landing pins	14
4.4 Flippers.....	14
4.5 Electrical systems	15
4.5.1 Electrical and control systems	15
4.5.2 Stop actuators on spreader	15
4.5.3 Electrical connection to crane.....	18
4.5.4 Cableless control	18
4.5.5 Electromagnetic compatibility (EMC)	18
4.5.6 Communications network	18
4.6 Hydraulic systems	18
4.7 Guarding and access	18
5 Verification of the safety requirements and/or protective measures	19
5.1 Test loading.....	19
5.2 Verification of requirements	19
6 Information for use	21
6.1 Marking	21
6.2 Manuals	21
6.2.1 General.....	21
6.2.2 Instructions on functional testing.....	21
6.2.3 Maintenance	21
6.2.4 Flipper.....	22
6.2.5 Overloading the spreader	22
6.2.6 Instability.....	22

6.2.7 Electrical and control systems.....	22
6.2.8 Multiple lifting operations	22
6.2.9 Damaged containers or containers out of standard	22
6.2.10 Inspection.....	22
Annex A (informative) List of significant hazards.....	23
Annex B (informative) Example of loading specifications	25
Annex C (informative) Overview of standards published by CEN/TC 147	27
C.1 General	27
C.2 Selecting a suitable standard	27
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Regulation (EU) 2023/1230 aimed to be covered	29
Bibliography	31

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EN 15056:2026 (E)**European foreword**

This document (EN 15056:2026) has been prepared by Technical Committee CEN/TC 147 “Cranes - Safety”, the secretariat of which is held by SFS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2026, and conflicting national standards shall be withdrawn at the latest by November 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15056:2006+A1:2009.

EN 15056:2026 includes the following significant technical changes with respect to EN 15056:2006+A1:2009:

- updating of reference documents and cross-references;
- revision of List of significant hazards and moved it to Annex A;
- revision of Annex ZA and addition of Bibliography;
- revision and update of Clause 2 and Clause 3;
- addition of new subclauses 4.1.3, 4.1.4, 4.2.3, 4.5.4, 4.5.5, 4.5.6 and 4.7;
- revision and update of subclauses 4.1.2, 4.2.1, 4.3, 4.4, 4.5.1, 4.5.2, 4.6, 5.1, 5.2, 6.1, 6.2.1, 6.2.7 and 6.2.10;
- revision and update of Table A.1;
- revision and update of Annex C.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

For relationship with other European standards for cranes, see Annex C.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Introduction

This document is a harmonized standard to provide one means for container handling spreaders for cranes to conform with the essential health and safety requirements of the Machinery Regulation, as mentioned in Annex ZA.

This standard is a type-C standard as stated in EN ISO 12100:2010.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards, for machines that have been designed and built according to the requirements of this type-C standard.

EN 15056:2026 (E)**1 Scope**

This document specifies safety requirements for spreaders used with cranes designed for the purpose of handling freight containers, e.g. those based on ISO 668:2020. The connection between the spreader and the container is by the use of twistlocks that engage into the container's upper corner castings.

This document deals with all significant hazards, hazardous situations or hazardous events relevant to container handling spreaders, when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer.

The spreader is interfaced to the crane's control and safety system.

This document does not cover the following types of spreaders:

- hand operated spreaders (without external power supply);
- bottom lift grapple spreaders used for swap bodies and road trailers.

This document does not deal with the lifting of persons.

This document is not applicable to container handling spreaders manufactured before the date of its publication.

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.

EN 12077-2:2024, *Cranes safety — Requirements for health and safety — Part 2: Limiting and indicating devices*

EN 13001-1:2015, *Cranes — General design — Part 1: General principles and requirements*

EN 13001-2:2021, *Crane safety — General design — Part 2: Load actions*

EN 13001-3-1:2025, *Cranes — General design — Part 3-1: Limit states and proof competence of steel structure*

EN 13001-3-6:2026, *Cranes — General design — Part 3-6: Limit states and proof of competence of machinery — Hydraulic cylinders*

EN 13135:2013+A1:2018, *Cranes — Safety — Design — Requirements for equipment*

EN 13586:2020, *Cranes — Access*

EN IEC 60204-32:2025, *Safety of machinery — Electrical equipment of machines — Part 32: Requirements for hoisting machines (IEC 60204-32:2023)*

EN IEC 61000-6-2:2019, *Electromagnetic compatibility (EMC) — Part 6-2: Generic standards — Immunity standard for industrial environments (IEC 61000-6-2:2016)*

EN IEC 61000-6-4:2019, *Electromagnetic compatibility (EMC) — Part 6-4: Generic standards — Emission standard for industrial environments (IEC 61000-6-4:2018)*

EN 61000-6-7:2015, *Electromagnetic compatibility (EMC) — Part 6-7: Generic standards — Immunity requirements for equipment intended to perform functions in a safety-related system (functional safety) in industrial locations (IEC 61000-6-7:2014)*

EN 62745:2017,¹ *Safety of machinery — Requirements for cableless control systems of machinery (IEC 62745:2017)*

EN ISO 4413:2010, *Hydraulic fluid power — General rules and safety requirements for systems and their components (ISO 4413:2010)*

EN ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction (ISO 12100:2010)*

EN ISO 13849-1:2023, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design (ISO 13849-1:2023)*

EN ISO 13850:2015, *Safety of machinery — Emergency stop function — Principles for design (ISO 13850:2015)*

EN ISO 14120:2015, *Safety of machinery — Guards — General requirements for the design and construction of fixed and movable guards (ISO 14120:2015)*

EN ISO 20607:2019, *Safety of machinery — Instruction handbook — General drafting principles (ISO 20607:2019)*

EN IEC 62061:2021,² *Safety of machinery — Functional safety of safety-related control systems (IEC 62061:2021)*

ISO 4306-1:2007, *Cranes — Vocabulary — Part 1: General*

3 Terms, definitions and terminology

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 12100:2010, ISO 4306-1:2007 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/>

3.1.1

mid frame

middle section of a container handling spreader

3.1.2

telescopic beam

extending frame of a container handling spreader which slides in and out of the mid frame

¹ As impacted by EN 62745:2017/A11:2020.

² As impacted by EN IEC 62061:2021/A1:2024.