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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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UK Vote

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Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



DRAFT International Standard

ISO/DIS 16123

Ships and marine technology — Marine cranes — Slewing bearings

ICS: 47.020.40

ISO/TC 8/SC 4

Secretariat: **SAC**

Voting begins on:
2024-04-25

Voting terminates on:
2024-07-18

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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Classification and designation	2
4.1 Composition and structure	2
4.2 Designation	3
5 Technical requirements	3
5.1 Rolling element	3
5.2 Bearing rings	4
5.3 Cage/Separator	6
5.4 Sealing ring	6
5.5 Oil cup (if any)	6
5.6 Gears of the bearing ring	6
5.7 Residual magnetism limit of the bearing	6
5.8 Accuracy of the slewing bearing	7
5.9 Lubrication	9
5.10 Other requirements	9
6 Inspection rules	9
6.1 Inspection items	9
7 Inspection method	10
7.1 Materials	10
7.2 Hardness	10
7.3 Surface cracks of raceway	10
7.4 Ultrasonic testing of bearing rings	11
7.5 Impact energy of bearing ring material	11
7.6 Effective depth of hardening of raceway quenching, DS	11
7.7 Width of soft zone of raceway quenching	11
7.8 Appearance quality	11
7.9 Dimensional tolerance	11
7.10 Rotation accuracy	11
7.11 Gear accuracy	12
7.12 Clearance	12
7.13 Rotation	13
8 Marking, packaging, transportation and storage	13
8.1 Marking	13
8.2 Packaging	13
8.3 Transportation and storage	13
9 Installation and maintenance	13
Annex A (Informative) Installation and maintenance of slewing bearing	14

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 undertaken by ISO technical committees. Each Any member body interested in a subject for which project that 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 in the field of electronic technology standardization.

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This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 4, *Outfitting and deck machinery*.

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.

Ships and marine technology — Marine cranes — Slewing bearings

1 Scope

This document specifies the classification and designation, technical requirements, inspection rules, testing method, marking, packaging, transportation and storage, installation and maintenance of slewing bearings for marine cranes (hereinafter referred to as slewing bearings).

This document is applicable to the design, manufacture and acceptance of slewing bearings for marine cranes at an ambient temperature not lower than -40 °C.

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 54, *Cylindrical gears for general engineering and for heavy engineering — Modules*

ISO 286-2, *Geometrical product specifications (GPS) — ISO code system for tolerances on linear sizes — Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts*

ISO 683-2, *Heat-treatable steels, alloy steels and free-cutting steels — Part 2: Alloy steels for quenching and tempering*

ISO 683-17, *Heat-treatable steels, alloy steels and free-cutting steels — Part 17: Ball and roller bearing steels*

ISO 898-1, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread*

ISO 898-2, *Fasteners — Mechanical properties of fasteners made of carbon steel and alloy steel — Part 2: Nuts with specified property classes*

ISO 1122-1, *Vocabulary of gear terms — Part 1: Definitions related to geometry*

ISO 1132-1, *Rolling bearings — Tolerances — Part 1: Terms and definitions*

ISO 1328-1, *Cylindrical gears — ISO system of flank tolerance classification — Part 1: Definitions and allowable values of deviations relevant to flanks of gear teeth*

ISO 1328-2, *Cylindrical gears — ISO system of flank tolerance classification — Part 2: Definitions and allowable values of double flank radial composite deviations*

ISO 3290-1, *Rolling bearings — Balls — Part 1: Steel balls*

ISO 3452-2, *Non-destructive testing — Penetrant testing — Part 2: Testing of penetrant materials*

ISO 3754, *Steel — Determination of effective depth of hardening after flame or induction hardening*

ISO 5593, *Rolling bearings — Vocabulary*

ISO 6506-1, *Metallic materials — Brinell hardness test — Part 1: Test method*

ISO 9712, *Non-destructive testing — Qualification and certification of NDT personnel*