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Earth-moving machinery — Lubrication fittings

Part 1: Nipple type

AS ISO 6392.1:2021

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Engineers Australia
Institute of Instrumentation, Control & Automation Australia
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Earth-moving machinery — Lubrication fittings

Part 1: Nipple type

First published as AS ISO 6392.1:2021.

Preface

This Standard was prepared by the Standards Australia Committee ME-063, Earthmoving Equipment.

The objective of this document is to specify nipple-type lubrication fittings for the types of earth-moving machinery defined in ISO 6165 and the space required to service these fittings.

This document is identical with, and has been reproduced from, ISO 6392-1:1996, *Earth-moving machinery — Lubrication fittings — Part 1: Nipple type*.

As this document has been reproduced from an International Standard, the following applies:

(a) In the source text "this part of ISO 6392" should read "this document".

(b) A full point substitutes for a comma when referring to a decimal marker.

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Contents

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6392-1 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery,* Subcommittee SC 3, *Operation and maintenance.*

This first edition of ISO 6392-1 together with ISO 6392-2 cancels and replaces ISO 6392:1980, which has been technically revised.

ISO 6392 consists of the following parts, under the general title *Earth-moving machinery — Lubrication fittings:*

— *Part 1: Nipple type*

— *Part 2: Grease-gun nozzles*

Annex A of this part of ISO 6392 is for information only.

Australian Standard®

Earth-moving machinery — Lubrication fittings

Part 1: Nipple type

1 Scope

This part of ISO 6392 specifies nipple-type lubrication fittings, for the types of earth-moving machinery defined in ISO 6165, and the space required to service these fittings.

NOTE — The lubrication fittings are hereinafter referred to as fittings.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 6392. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 6392 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2081:1986, *Metallic coatings — Electroplated coatings of zinc on iron or steel.*

ISO 6165:—[1)], *Earth-moving machinery — Basic types — Vocabulary*

3 Description

Fittings for earth-moving machinery shall be of the types shown in figure 1.

4 Material, design and manufacture

4.1 Material

Unless otherwise specified, fittings shall be made from manufacturer's standard steel.

4.2 Hardness

Fittings used where there is a high frequency of greasing and/or direct contact with soil or sand shall have their heads surface hardened. In cases where surface-hardening is required, the minimum hardness shall be 83 HRA or 55 HR30N and shall have a minimum case depth of 0,10 mm. Where surface-hardened heads are not required, hardness is not specified in general.

4.3 Finish

Bodies of fittings shall be electroplated with zinc and chromate treatment in accordance with ISO 2081. The thickness of the coating shall be at least 5 µm.

4.4 Workmanship

Fittings shall be free from burrs, loose scale, sharp edges, and any other defects that might affect their intended function.

1) To be published. (Revision of ISO 6165:1987)