

2023-08-18

ISO/FDIS 8575:2023(E)

ISO/TC 20/SC 10

Secretariat: DIN

Date: 2023-12-15

Aerospace series — Fluid systems — Hydraulic system tubing

Série aérospatiale — Systèmes de fluides — Tubes pour systèmes hydrauliques

iTeh Standards
(<https://standards.iteh.ai>)
FDIS stage
Document Preview

ISO/FDIS 8575

<https://standards.iteh.ai/catalog/standards/iso/da187bc6-5c34-416e-a6af-6c048e46f0c8/iso-fdis-8575>

© ISO 2023

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~~E-mail: copyright@iso.org
Website: www.iso.org

Published in Switzerland

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/FDIS 8575](#)

<https://standards.iteh.ai/catalog/standards/iso/dal87bc6-5c34-416e-a6af-6c048e46f0c8/iso-fdis-8575>

Contents

Foreword	iv
Introduction.....	v
1 Scope	1
2 Normative references.....	1
3 Terms and definitions	1
4 Requirements	1
4.1 General	1
4.2 Pressure lines	1
4.2.1 Tubing material.....	1
4.2.2 Tube sizes.....	2
4.2.3 Qualification	2
4.3 Suction and return lines.....	2
4.3.1 Tubing material.....	2
4.3.2 Tube sizes.....	2
Annex A (informative) Aerospace hydraulic tubing materials.....	9
Bibliography	10

iteh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/FDIS 8575](https://standards.iteh.ai/catalog/standards/iso/da187bc6-5c34-416e-a6af-6c048e46f0c8/iso-fdis-8575)

<https://standards.iteh.ai/catalog/standards/iso/da187bc6-5c34-416e-a6af-6c048e46f0c8/iso-fdis-8575>

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 20, *Aircraft and space vehicles*, Subcommittee SC 10, *Aerospace fluid systems and components*.

This third edition cancels and replaces the second edition (ISO 8575:2016), which has been technically revised.

The main changes are as follows:

- in [Table A.1](#) corresponding national standards for tubing materials have been updated.

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.

Introduction

The purpose of this document is to provide information relating to the sizes and materials of tubing for use in aerospace hydraulic pressure and return and suction lines.

International Standards use the International System of units (SI); however, large segments of the aerospace industry make use of other measurement systems as a matter of common working practice. Although tube sizes were originally defined (and are frequently cited) using non-SI units, all dimensions used in this document are given in SI units, with inch units also indicated for the convenience of the user.

The decimal sign used in International Standards is the comma (“,”); however, the comma is not used in common working practice for inch dimensions. Therefore, in common with many other aerospace standards, the decimal point is used in this document when providing dimensions in inches.

NOTE The use of non-SI units and the decimal point in this document does not constitute general acceptance of measurement systems other than SI within International Standards.

iTeh Standards (<https://standards.iteh.ai>) Document Preview

[ISO/FDIS 8575](#)

<https://standards.iteh.ai/catalog/standards/iso/dal87bc6-5c34-416e-a6af-6c048e46f0c8/iso-fdis-8575>

