
Space systems — Oxygen safety —

Part 2:

**Selection of metallic materials for oxygen
systems and components**

Systèmes spatiaux — Sécurité des systèmes d'oxygène —

*Partie 2: Sélection des matériaux métalliques pour les systèmes
d'oxygène et leurs composants*

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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.

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The main task of technical committees is to prepare International Standards. 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.

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ISO 22538-2 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 14, *Space systems and operations*.

ISO 22538 consists of the following parts, under the general title *Space systems — Oxygen safety*:

- *Part 1: Design of oxygen systems and components*
- *Part 2: Selection of metallic materials for oxygen systems and components*
- *Part 3: Selection of non-metallic materials for oxygen systems and components*
- *Part 4: Hazards analyses for oxygen systems and components*

The following parts are under preparation:

- *Part 5: Operational and emergency procedures*
- *Part 6: Facility planning and implementation*