
**Nuclear energy — Packagings for the
transport of uranium hexafluoride
(UF₆)**

*Energie nucléaire — Emballages pour le transport de l'hexafluorure
d'uranium (UF₆)*

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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.

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 documents 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).

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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 85, *Nuclear energy, nuclear technologies, and radiological protection*, Subcommittee SC 5, *Nuclear installations, processes and fuel technologies, WG4, Transport of radioactive material*.

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.

This third edition cancels and replaces the second edition (ISO 7195:2005), which has been technically revised. The main changes compared to the previous edition are:

- The title of the document has been slightly changed to better reflect its scope;
- The general structure of the document has been partly reorganized to enhance clarity and to ease comparison with ANSI N14.1;
- The cylinder model 48G has been removed and the cylinder model 30C added;
- The socket head plugs for 30 in and 48 in cylinders have been added (alternative to hex head plugs);
- The list of references and the list of terms and definitions used have been updated;
- “Quality assurance programme” has been replaced by “management system”;
- Clauses related to manufacture, periodic inspection and recertification have been redrafted for better clarity;
- The possibility for 30B, 48X and 48Y cylinders to use non-destructive examinations as an alternative to hydrostatic testing during their periodic inspections, with the condition that additional examinations are carried out at the time of their manufacturing, has been introduced;
- The use of leak test methods other than the specified one is now permitted;