

---

# INTERNATIONAL STANDARD



# 450

---

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION · МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ · ORGANISATION INTERNATIONALE DE NORMALISATION

---

## Aircraft — Connection for water of drinkable quality

*Aéronefs — Raccord pour l'alimentation en eau potable*

First edition — 1976-06-01

STANDARDSISO.COM : Click to view the full PDF of ISO 450:1976

---

UDC 629.7.063.4 : 621.643.4

Ref. No. ISO 450-1976 (E)

**Descriptors :** aircraft equipment, pipe fittings, water supply, potable water, dimensions.

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 20 has reviewed ISO Recommendation R 450 and found it technically suitable for transformation. International Standard ISO 450 therefore replaces ISO Recommendation R 450-1965 to which it is technically identical.

ISO Recommendation R 450 was approved by the Member Bodies of the following countries :

Belgium	Iran	Portugal
Canada	Israel	Spain
Chile	Italy	Sweden
Czechoslovakia	Japan	Turkey
Finland	Netherlands	United Kingdom
France	New Zealand	U.S.S.R.
Germany	Poland	Yugoslavia

No Member Body expressed disapproval of the Recommendation.

No Member Body disapproved the transformation of ISO/R 450 into an International Standard.

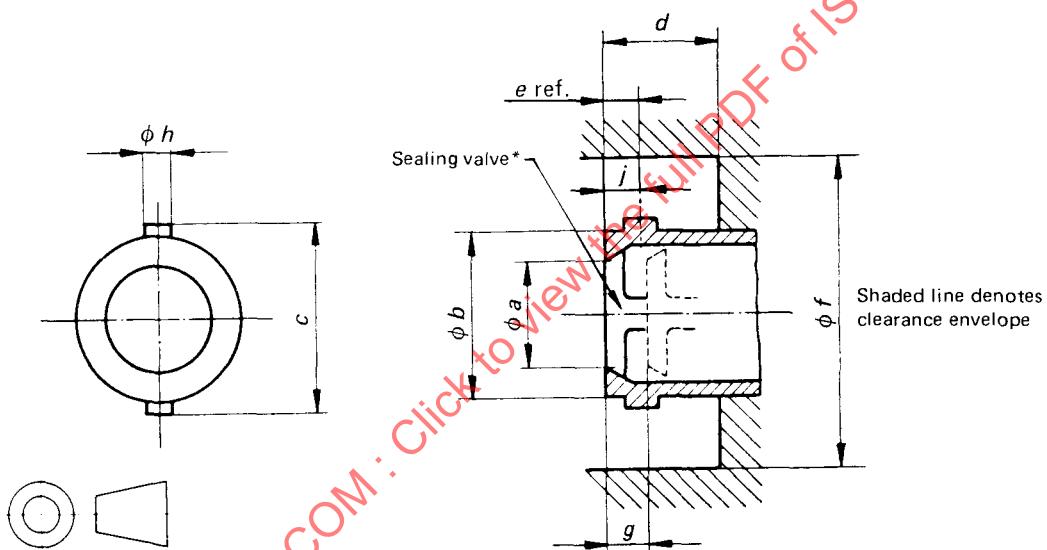
# Aircraft – Connection for water of drinkable quality

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions and tolerances for connections on aircraft for the reception of supplies of water of drinkable quality, and the clearance envelope to be provided.

## 2 REQUIRED CHARACTERISTICS

The dimensions and tolerances of the connection and space envelope are given in the figure and table.



\* Provision of a sealing valve is optional, and ground equipment should be designed to operate when coupled to an aircraft coupling with or without a sealing valve.

Dimension	mm	in
<i>a</i> max.	22,17	0.873
<i>a</i> min.	22,12	0.871
<i>b</i> max.	33,53	1.320
<i>b</i> min.	33,43	1.316
<i>c</i> <sup>1)</sup> max.	38,35	1.51
<i>c</i> <sup>1)</sup> min.	37,85	1.49
<i>d</i> min.	22,6	0.89
<i>e</i> <sup>2)</sup>	7,14	0.281
<i>f</i> <sup>3)</sup> min.	90	3.5
<i>g</i> <sup>4)</sup> max.	8,63	0.34
<i>g</i> <sup>4)</sup> min.	7,11	0.28
<i>h</i> <sup>5)</sup> max.	6,6	0.26
<i>h</i> <sup>5)</sup> min.	6,1	0.24
<i>i</i> max.	10,34	0.407
<i>i</i> min.	10,29	0.405

- 1) Over pins.
- 2) Reference dimension.
- 3) Minimum clearance.
- 4) Valve travel.
- 5) Two pins diametrically opposite.

STANDARDSISO.COM : Click to view the full PDF of ISO 450:1976