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# INTERNATIONAL STANDARD



# 1034

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

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## Aircraft — Ground air-conditioning connections

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Ref. No. ISO 1034-1973 (E)

**Descriptors** : aircraft, aircraft equipment, air-conditioning equipment, couplings, 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, International Standard ISO 1034 replaces ISO Recommendation R 1034-1969 drawn up by Technical Committee ISO/TC 20, *Aircraft and space vehicles*.

The Member Bodies of the following countries approved the Recommendation :

|                     |             |                |
|---------------------|-------------|----------------|
| Belgium             | Greece      | Switzerland    |
| Canada              | Israel      | Thailand       |
| Chile               | Italy       | United Kingdom |
| Czechoslovakia      | Japan       | U.S.A.         |
| Egypt, Arab Rep. of | Netherlands | Yugoslavia     |
| France              | Portugal    |                |
| Germany             | Spain       |                |

The Member Body of the following country expressed disapproval of the Recommendation on technical grounds :

U.S.S.R.\*

\* Subsequently, this Member Body approved the Recommendation.

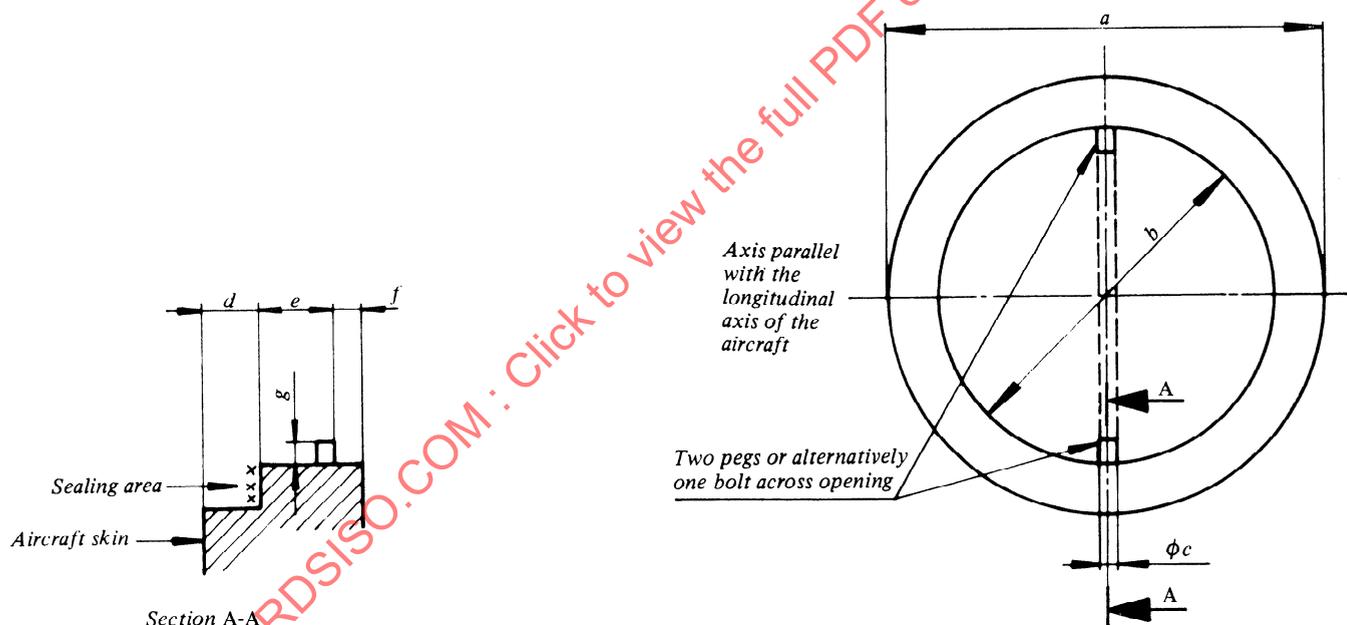
# Aircraft – Ground air-conditioning connections

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the requirements for 127 mm (5 in) and 203 mm (8 in) connections on aircraft for the purposes of air-conditioning from ground sources.

## 2 DIMENSIONS

The connections shall comply with the basic dimensional requirements shown in either Figure 1 or Figure 2 as appropriate.



| Dimension | mm                       | in                     |
|-----------|--------------------------|------------------------|
| $a^{1)}$  | 178 min.                 | 7.0 min.               |
| $b^{2)}$  | 134,5 max.<br>129,5 min. | 5.30 max.<br>5.10 min. |
| $c$       | 6,4 max.                 | 0.25 max.              |
| $d$       | 25,4 max.                | 1.0 max.               |
| $e$       | 33 max.<br>30,5 min.     | 1.30 max.<br>1.20 min. |
| $f^{3)}$  | 11,4 min.                | 0.45 min.              |
| $g$       | 9,5 min.                 | 0.375 min.             |

- 1) Minimum diameter clearance for ground unit and sealing area.
- 2) Opening diameter.
- 3) Minimum clearance for claw.

FIGURE 1 – 127 mm (5 in) aircraft connection for ground air-conditioning