

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1034

AIRCRAFT CONNECTIONS FOR GROUND AIR-CONDITIONING

1st EDITION

March 1969

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BRIEF HISTORY

The ISO Recommendation R 1034, *Aircraft connections for ground air-conditioning*, was drawn up by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, the Secretariat of which is held by the British Standards Institution (BSI).

It is a revision of ISO/R 10 which it now supersedes. This revision incorporates details of a 127 mm (5 in) connection together with additional details of minimum depth of bore of the aircraft connection.

Work on this question led to the adoption of a Draft ISO Recommendation.

In April 1967, this Draft ISO Recommendation (No. 1123) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Belgium	Israel	Thailand
Canada	Italy	U.A.R.
Chile	Japan	United Kingdom
Czechoslovakia	Netherlands	U.S.A.
France	Portugal	Yugoslavia
Germany	Spain	
Greece	Switzerland	

One Member Body opposed the approval of the Draft :

U.S.S.R.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1969, to accept it as an ISO RECOMMENDATION.

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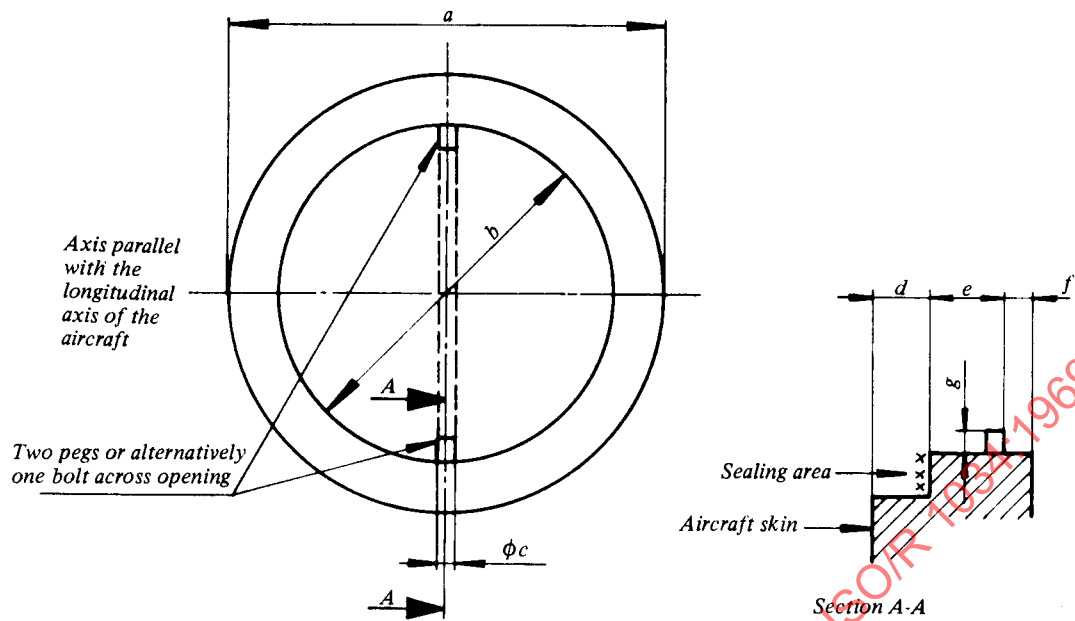
AIRCRAFT CONNECTIONS FOR GROUND AIR-CONDITIONING

1. SCOPE

This ISO Recommendation states 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. REQUIREMENTS

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



Dimension	millimetres	inches
a *	178 min.	7.0 min.
b **	134.5 max. 129.5 min.	5.30 max. 5.10 min.
c	6.4 max.	0.25 max.
d	25.4 max.	1.0 max.
e	33 max. 30.5 min.	1.30 max. 1.20 min.
f ***	11.4 min.	0.45 min.
g	9.5 min.	0.375 min.

* Minimum diameter clearance for ground unit and sealing area.

** Opening.

*** Minimum clearance for claw.

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