

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 11

AIRCRAFT PRESSURE CABIN
GROUND TEST CONNECTION

1st EDITION

November 1955

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BRIEF HISTORY

Envelope dimensions for pressure cabin ground test connections to facilitate aircraft servicing internationally were considered by the International Organization for Standardization through its Technical Committee ISO /TC 20 - Aircraft, the Secretariat of which is held by the British Standards Institution.

During its first meeting, held in London on 19 to 21 November, 1951, United Kingdom proposals for a connection were adopted.

The following Member Bodies took part in this meeting:

France, Italy, Netherlands, Switzerland, United Kingdom

Observers attended from: United States, Yugoslavia, International Air Transport Association (IATA), and International Civil Aviation Organization (ICAO).

On 17 June, 1953, the Draft ISO Recommendation proposed by the Technical Committee ISO /TC 20 was submitted to all Member Bodies of ISO.

This Draft ISO Recommendation was approved by the following 21 (out of a total of 34) Member Bodies:

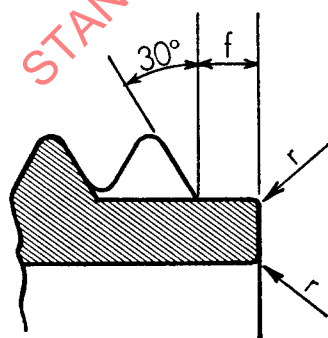
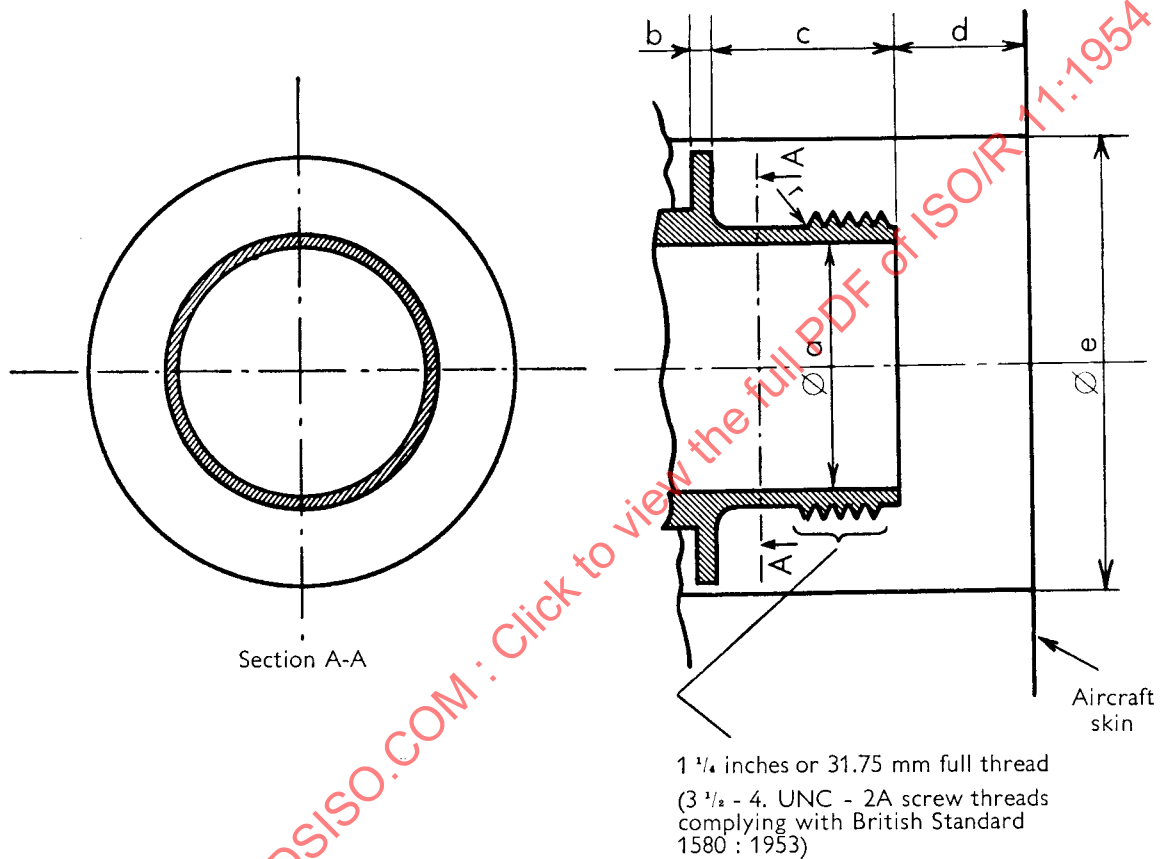
Belgium	Ireland	Spain
Brazil	Italy	Sweden
Denmark	Japan	Switzerland
Finland	Mexico	Union of South Africa
France	Netherlands	United Kingdom
Hungary	New Zealand	U.S.A.
India	Pakistan	Yugoslavia

IATA also approved the Draft.

In December, 1954, the ISO Council decided by correspondence to accept the Draft ISO Recommendation as an ISO RECOMMENDATION.

AIRCRAFT PRESSURE CABIN GROUND TEST CONNECTION

The basic dimensional requirements shown below apply to pressure testing connections on pressurised aircraft for coupling with the hose unit or adaptor of ground pressurising equipment.



Detail of start
of first thread
(Scale 2:1)

Dimension	Inches	Millimetres
a ¹⁾	2.85 $\begin{smallmatrix} + 0.005 \\ - 0.000 \end{smallmatrix}$	72 $\begin{smallmatrix} + 0.127 \\ - 0.000 \end{smallmatrix}$
b	0.150	3.8
c	2.250	57
d	1.50 max.	38 max.
e ²⁾	5.0 min.	127 min.
f	0.156	3.96
r ³⁾	0.025	0.635

¹⁾ Recommended bore.

²⁾ Clearance for hose unit.

³⁾ Radius.