

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1022

GASEOUS OXYGEN REPLENISHMENT COUPLINGS
FOR AIRCRAFT

1st EDITION

March 1969

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
11, Rue de la Libération, CH-1211 GENEVE 20, SUISSE

COPYRIGHT RESERVED

The copyright of ISO Recommendations and ISO Standards belongs to ISO Member Bodies. Reproduction of these documents, in any country, may be authorized therefore only by the national standards organization of that country, being a member of ISO.

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

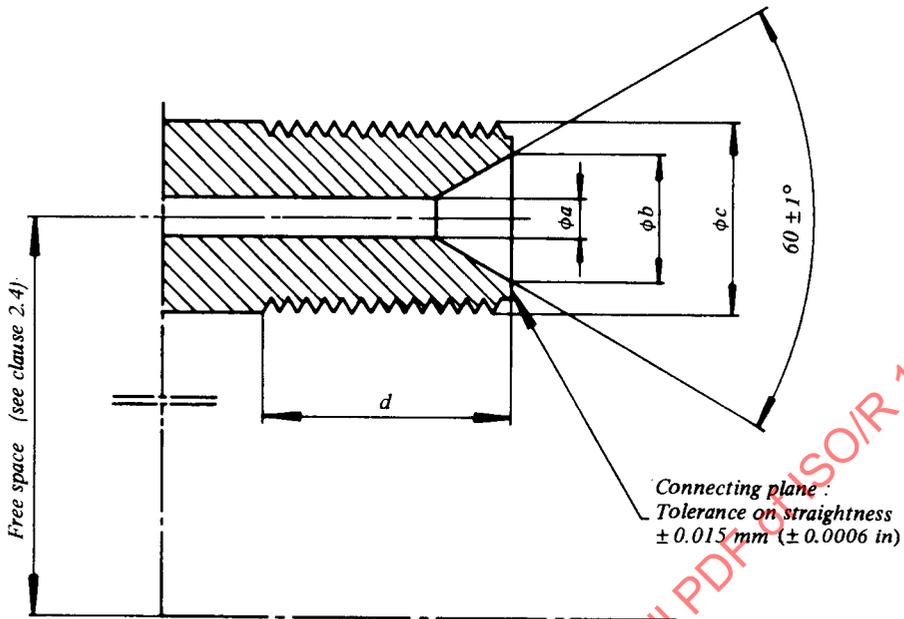
GASEOUS OXYGEN REPLENISHMENT COUPLINGS FOR AIRCRAFT

1. SCOPE

This ISO Recommendation states the requirements for connections for the charging of high pressure gaseous oxygen systems on aircraft.

2. REQUIREMENTS

- 2.1 The connections should conform to the dimensions shown in the Figure.
- 2.2 The connection should be provided with a 6.4 mm ($\frac{1}{4}$ in) diameter Class A external thread complying with ISO Recommendation R 228, *Pipe threads where pressure-tight joints are not made on the threads (1/8 inch to 6 inches)*.
- 2.3 The orifice should be sealed with a plug ensuring the gas-tightness of the connection under a pressure of 1.5 hbar (2175 lbf/in²).
- 2.4 A free space should be provided within a radius of 55 mm (2 in) of the axis of the connection. To permit a tightening of the connection by means of a wrench, this radius should be increased to 180 mm (7 in) over a 60° segment.



Dimension	millimetres	inches
<i>a</i>	$3 \begin{smallmatrix} + 0.5 \\ 0 \end{smallmatrix}$	$0.12 \begin{smallmatrix} + 0.02 \\ 0 \end{smallmatrix}$
<i>b</i>	9.8 ± 0.1	0.385 ± 0.004
<i>c</i>	13.16	0.518
<i>d</i>	19 min.	0.75 min.

FIGURE – Gaseous oxygen replenishment coupling for aircraft