



## 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.

International Standard ISO 5887 was developed by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, and was circulated to the member bodies in February 1980.

iTeh STANDARD PREVIEW  
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It has been approved by the member bodies of the following countries: 1981

<https://standards.iteh.ai/catalog/standards/sist/cca348c4-9546-4c9f-9062-4d33d1092150-5887-1981>

Austria	Germany, F.R.	Romania
Belgium	Ireland	South Africa, Rep. of
Canada	Italy	Spain
China	Mexico	Sweden
Czechoslovakia	Netherlands	United Kingdom
France	Poland	USSR

The member body of the following country expressed disapproval of the document on technical grounds :

USA

# Aircraft — Joints for connecting crew members' regulator masks to oxygen sources

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### 1 Scope and field of application

This International Standard specifies joint lock dimensions for connecting crew members' regulator masks to oxygen sources in aircraft and helicopters. Joint dimensions standardization provides interchangeability with oxygen masks of various types.

### 2 Dimensions

**2.1** The basic dimensions and tolerances for both joint halves shall correspond to those shown in figures 1 and 2.

**2.2** Dimensions without tolerances can correspond to national standards.

**2.3** The dimensions and the shape of the joint lock stud shall correspond to one of the shapes defined in figure 3.

**2.4** The dimensions and the shape of the joint locking groove shall correspond to those shown in figure 4.

### 3 Requirements

**3.1** Both lock halves shall be installed as shown in :

- a) figure 1 for the aircraft structure or oxygen source;
- b) figure 2 for the oxygen mask hose.

**3.2** In the disengaged position, both joint halves shall be closed with plugs protecting the inner surfaces from contamination.

**3.3** The axial force required to permit the rotational unlocking of the coupling shall be  $55 \pm 5$  N.

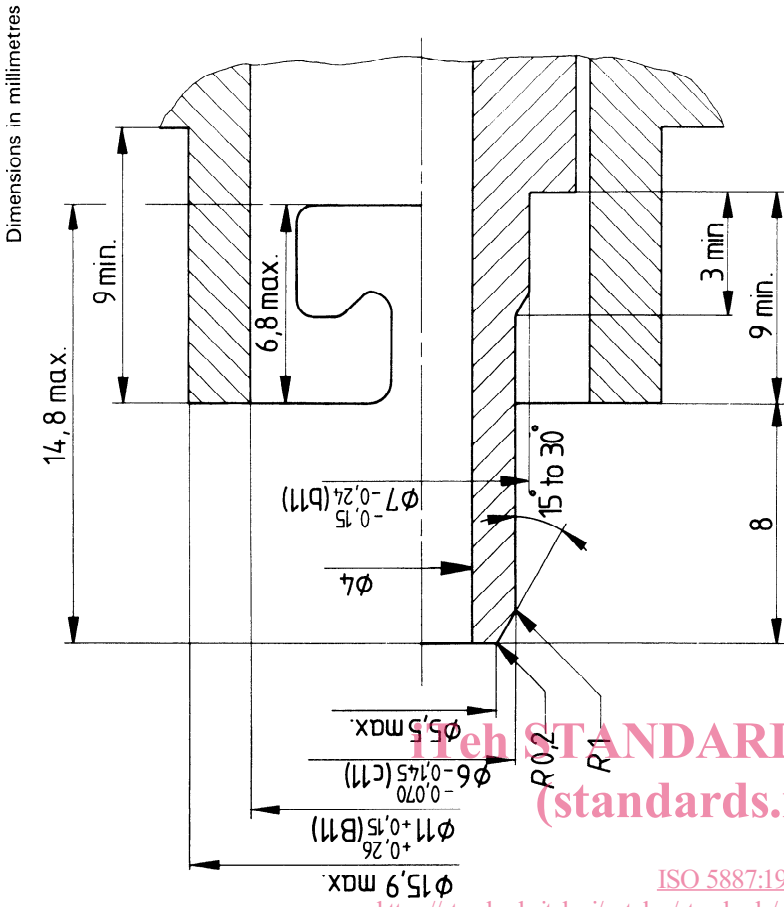


Figure 2 — Oxygen mask hose installation

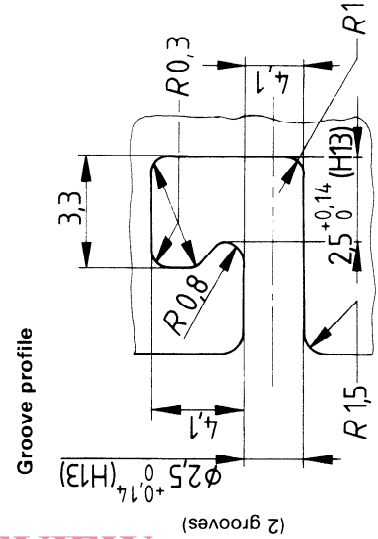


Figure 4 — Joint locking groove

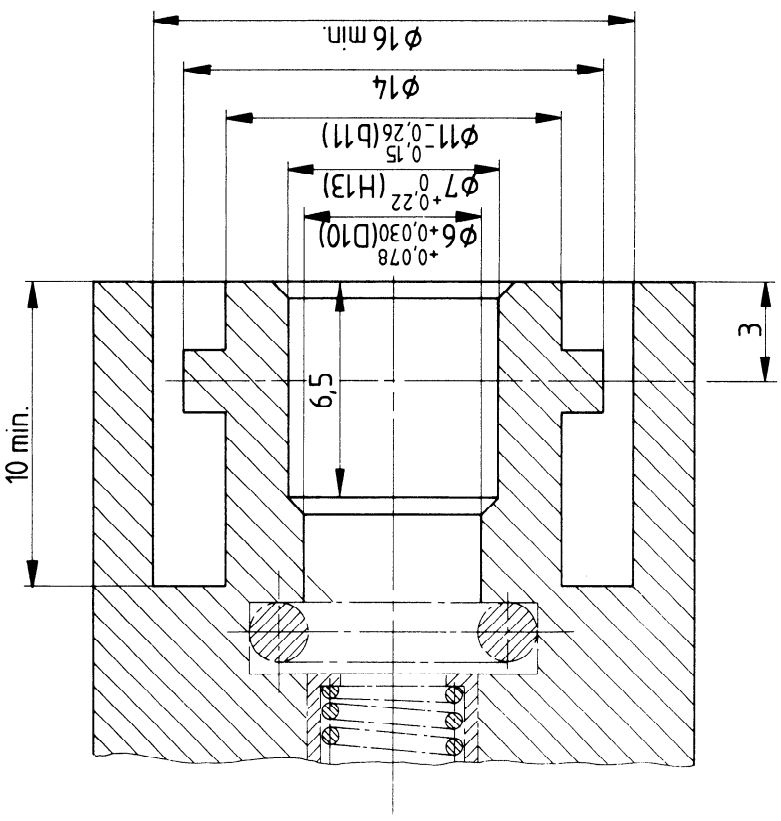


Figure 1 — Aircraft structure or oxygen source installation

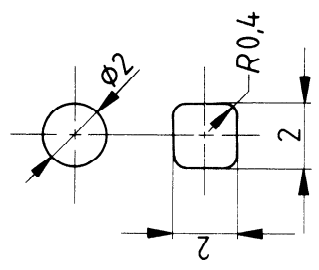


Figure 3 — Joint lock stud