
INTERNATIONAL STANDARD



1023

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

Aircraft — High pressure air charging valves

Aéronefs — Raccords pour l'alimentation en air à haute pression

First edition — 1974-07-01

ITeH STANDARD PREVIEW
(standards.iteh.ai)

[ISO 1023:1974](https://standards.iteh.ai/catalog/standards/sist/4a542911-a5f3-4984-bc54-2705a180fc23/iso-1023-1974)

<https://standards.iteh.ai/catalog/standards/sist/4a542911-a5f3-4984-bc54-2705a180fc23/iso-1023-1974>

UDC 629.7.064.2

Ref. No. ISO 1023-1974 (E)

Descriptors : aircraft, aircraft equipment, intake systems, compressed air, pipe fittings.

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, Technical Committee ISO/TC 20 has reviewed ISO Recommendation R 1023 and found it suitable for transformation. International Standard ISO 1023 therefore replaces ISO Recommendation R 1023-1969.

ISO Recommendation R 1023 was approved by the Member Bodies of the following countries :

Argentina	Germany	Sweden
Belgium	Israel	Switzerland
Canada	Italy	United Kingdom
Chile	Netherlands	Yugoslavia
Egypt, Arab Rep. of	Portugal	
France	Spain	

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

U.S.S.R.*

No Member Body disapproved the transformation of ISO/R 1023 into an International Standard.

* Subsequently, this Member Body approved the Recommendation.

Aircraft – High pressure air charging valves

iTeh STANDARD PREVIEW (standards.iteh.ai)

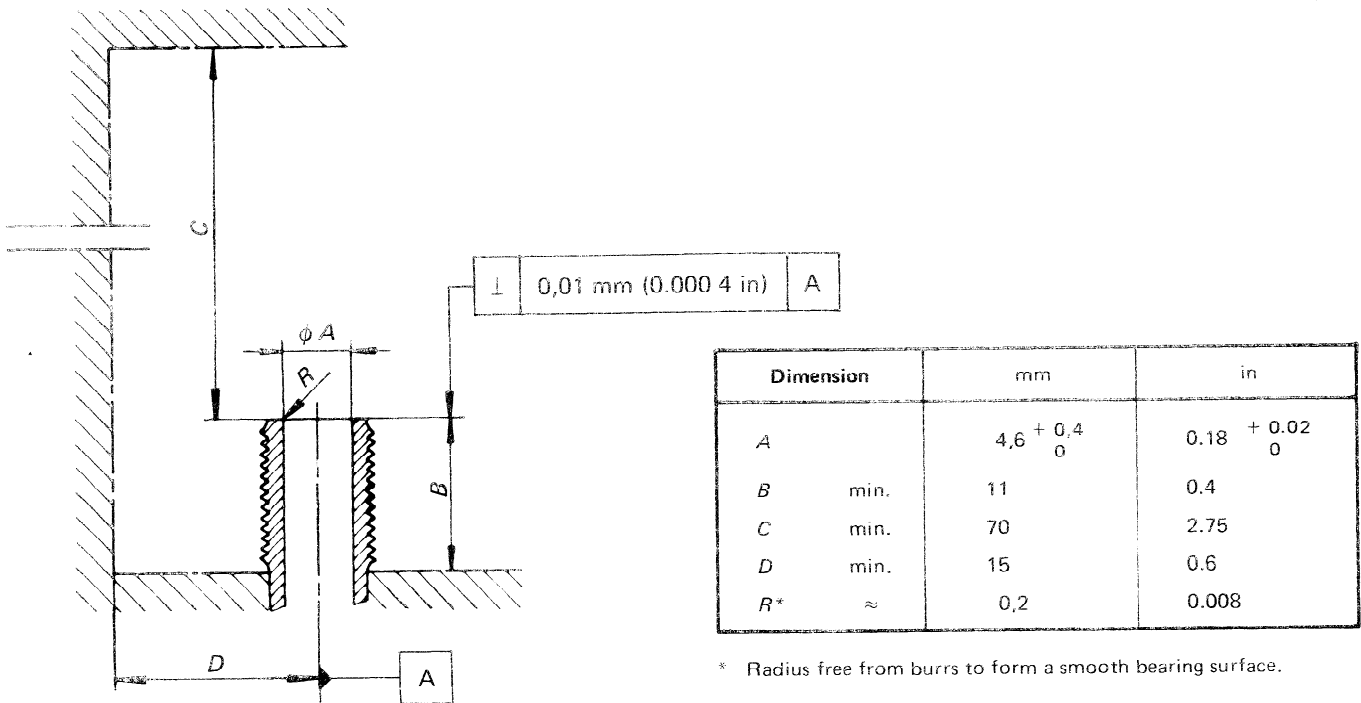
1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the coupling dimensions and access clearance for aircraft high pressure air charging valves.

<https://standards.iteh.ai/catalog/standards/sis/4542911-a515-4964-bc54-2705a180fc23/iso-1023-1974>

2 DIMENSIONS

- 2.1 The basic dimensions of the valve and the access clearance to be provided shall conform to the requirements of figure 1.
- 2.2 The valves shall be provided at the coupling end with a screw thread conforming to the requirements of figure 2.



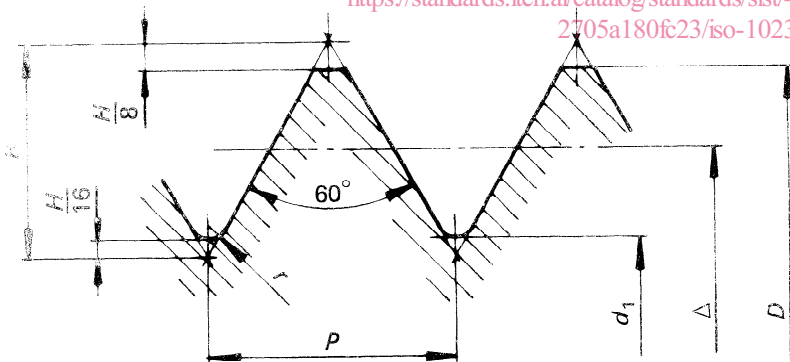
iTeh STANDARD PREVIEW

FIGURE 1 – Coupling dimensions
(standards.iteh.ai)

ISO 1023:1974

<https://standards.iteh.ai/catalog/standards/sist/4a542911-a5f3-4984-bc54-2705a180fc23/iso-1023-1974>

Dimensions in millimetres



$H = 0,866 P$

$\frac{H}{16} = 0,054 P$

$r = 0,054 P$

Diameter D		Number of threads per inch	Pitch P	Height of basic triangle H	Clearance $r = \frac{H}{16}$	Minor diameter d_1		Effective diameter Δ	
max.	min.					max.	min.	max.	min.
7,747	7,620	32	0,794	0,687	0,043	6,630	6,503	7,232	7,105

FIGURE 2 – Thread dimensions and tolerances