

For Comments Only

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा

अंतरिक्ष पद्धतियाँ — धौकनी — डिजाइन और संचालन

Indian Standard

Space Systems — Bellows — Design and Operation

ICS: 49.140

Air and Space Vehicles Sectional Committee, TED 14 Last date for receipt of comments is
28/08/2024

NATIONAL FOREWORD

(Identical Clause to be added later)

The text of ISO standard has been proposed as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exists. The corresponding Indian Standards, which is to be substituted in its respective places, is listed below along with its degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 14623 : 2003 Space systems — Pressure vessels and pressurized structures — Design and operation	Doc (22979) / ISO 14623 : 2003 Space systems — Pressure vessels and pressurized structures — Design and operation (<i>under development</i>)	Identical under dual numbering

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

This Standard also makes a reference to the BIS Certification Marking of the Product. Details of which is given in National Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

SCOPE

This International Standard specifies general and detailed requirements for bellows used in space systems. It establishes requirements with regard to material, design, analysis, fabrication, material, testing, inspection and operation for space use.

This International Standard is applicable to metallic bellows which are used as pressure bearing components and are integrated into a pressure system. This International Standard is not applicable to engine bellows or valve bellows.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 10785: 2011 or CONTACT:

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NATIONAL ANNEX A
(National Foreword)

A-1 BIS CERTIFICATION MARKING

A-1.1 The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.