

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10610 (1983): Aircraft pressure cabin ground test connections [TED 14: Aircraft and Space Vehicles]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

AIRCRAFT PRESSURE CABIN GROUND TEST CONNECTIONS

1. Scope — Specifies the basic dimensional and access clearance requirements for pressure testing connections on pressurised aircraft for coupling with the hose unit or adaptor of ground pressurising equipment.

2. Sizes and Dimensions

2.1 Three sizes of connections are specified as follows:

<i>Connection Bore in mm</i>	<i>Recommended Cabin Volume in m³</i>
22.22	Not exceeding 10
46.04	10 to 45
72.39	45 to 170

Note — Size 22.22 mm shall be used as the fitting for ducting pressure testing.

2.2 The basic dimensions of the connection shall conform to the table given under Fig. 1.

2.3 The threads shall conform to IS : 4218 (Part 2)-1976 ' ISO metric screw threads : Part 2 Diameter-pitch combinations (*first revision*) '.

3. Access Clearance

3.1 The allowable clearances around the connections shall be in accordance with Fig. 1.

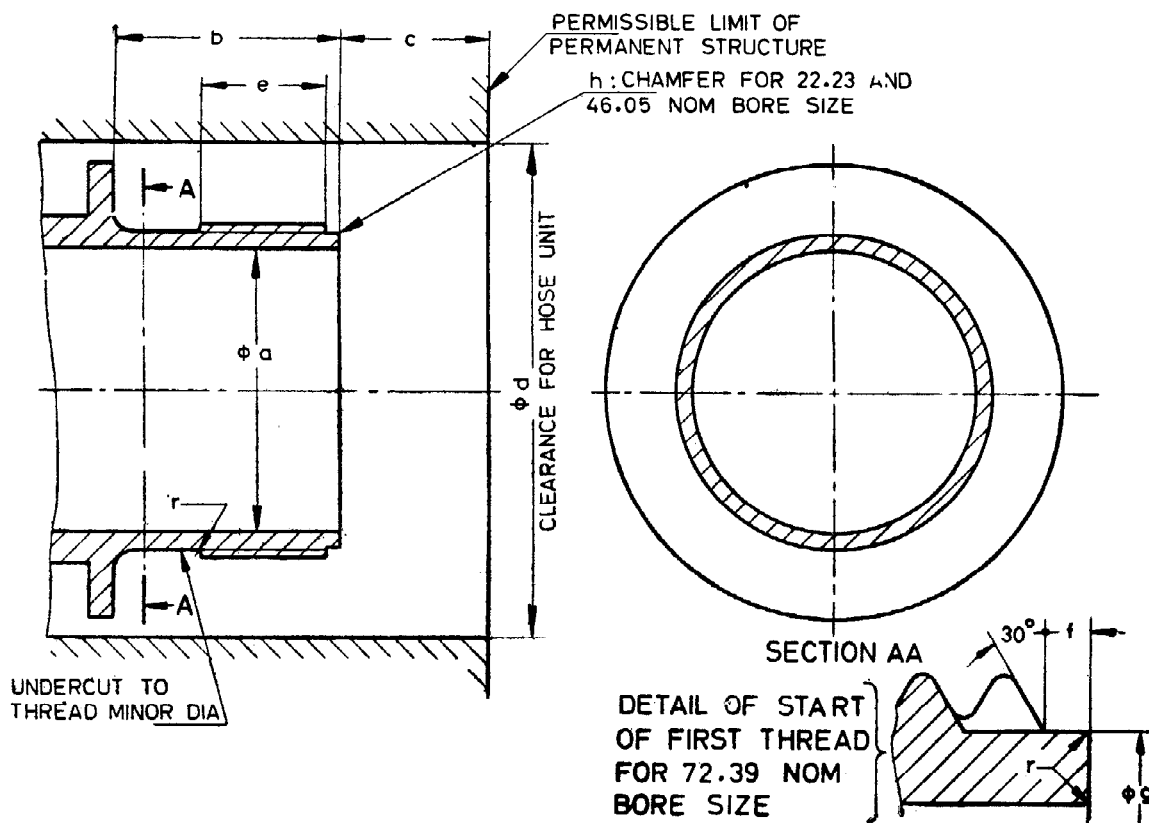
EXPLANATORY NOTE

This Indian Standard is in conformity with ISO 11-1980 ' Aircraft-pressure cabin ground test connections '. However, while the ISO standard refers to ISO/R-725 ' ISO inch screw threads — Basic dimensions ' for threads, this Indian Standard specifies the conformity of the threads to IS : 4218 (Part 2)-1976.

Adopted 30 May 1983

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Gr 1



Dimensions	Nominal Bore Size		
	22.22	46.05	72.39
a*	22.22	46.05	72.39 ^{+0.13} ₀
b, Min	25.4	25.4	57.15
c, Max	38.0	38.0	38.0
d, Min	82.0	95.0	127.0
e†	12.7	12.7	31.75
f	—	—	3.94 ± 0.13
g	—	—	79.76 ⁰ _{-0.26}
h	1.6/45°	1.6/45°	—
r‡	—	—	0.635

*Recommended bore.
 †Full thread.
 ‡Radius.

FIG. 1 BASIC DIMENSIONS AND CLEARANCE REQUIREMENTS