

Descriptors : aircraft, refuelling, filling devices, dimensions, diameters.

Price based on 1 page

UDC 629.7.063 : 621.643.4

Ref. No. ISO 102-1976 (E)

First edition — 1976-04-15

*Aéronefs — Orifices de remplissage par gravité***Aircraft — Gravity filling orifices**

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

**INTERNATIONAL STANDARD****102**

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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 102 and found it technically suitable for transformation. International Standard ISO 102 therefore replaces ISO Recommendation R 102-1959 to which it is technically identical.

ISO Recommendation R 102 was approved by the Member Bodies of the following countries :

Belgium	Italy	South Africa, Rep. of
Bulgaria	Japan	Spain
Finland	Mexico	Sweden
France	Netherlands	United Kingdom
Germany	New Zealand	U.S.A.
Greece	Pakistan	Yugoslavia
India	Portugal	
Ireland	Romania	

No Member Body expressed disapproval of the Recommendation.

The Member Body of the following country disapproved the transformation of ISO/R 102 into an International Standard :

India

Aircraft – Gravity filling orifices

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the minimum internal diameters of orifices used for the gravity filling of aircraft with fuel, lubricants and other liquids.

2 DIMENSIONS

Filling orifice	Minimum internal diameter	
	mm	in
Fuel	63	2.50
Lubricants	50	2.00
De-icing fluids	44	1.75
Drinking water	44	1.75
Hydraulic fluids	38	1.50
Water/glycol	38	1.50
Coolants	38	1.50
De-mineralized water	38	1.50
Engine refrigerants	38	1.50

NOTE – Where a filter is fitted at any of the orifices stated in the table, it should not result in a reduction of the relevant minimum internal diameter.