
INTERNATIONAL STANDARD



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Aircraft — Elastomeric sealing rings — Packaging and identification

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Descriptors : aircraft, aircraft equipment, rubber products, seals (stoppers), O-ring seals, packages, identifying.

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, International Standard ISO 1749 replaces ISO Recommendation R 1749-1971 drawn up by Technical Committee ISO/TC 20, *Aircraft and space vehicles*.

The Member Bodies of the following countries approved the Recommendation :

Australia	Greece	Spain
Austria	India	Switzerland
Belgium	Israel	Thailand
Brazil	Italy	Turkey
Canada	Netherlands	United Kingdom
Czechoslovakia	New Zealand	U.S.S.R.
Egypt, Arab Rep. of	Peru	
France	South Africa, Rep. of	

No Member Body expressed disapproval of the Recommendation.

Aircraft – Elastomeric sealing rings – Packaging and identification

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the requirements for the packaging and the identification, when packaged, of elastomeric sealing rings for aircraft.

2 PACKAGING

2.1 General

2.1.1 It is essential that sealing rings be individually enclosed in sealed envelopes or in pockets in a multiple envelope provided that they can be removed without affecting the sealing of the remainder of the components in the package.

2.1.2 Packaging shall be accomplished under conditions which will ensure freedom from contamination, dust, oil, grease, etc. Attention should be given to ensuring that the packet is efficiently sealed.

2.1.3 The sealing rings shall be free from strain (i.e. they shall be adequately supported) and no part shall be tied or tagged.

Rings of large internal diameter may be formed into three equal superimposed loops so as to avoid creasing or twisting. It will be noted that this condition is impossible to attain in two loops.

2.2 Dimensions of envelopes

The envelopes shall be square in shape, their preferred dimensions being as follows :

mm	55 × 55	100 × 100	150 × 150	205 × 205	255 × 255
in	2.25 × 2.25	4 × 4	6 × 6	8 × 8	10 × 10

2.3 Packaging materials

Preference shall be given to use of heat-sealable opaque materials. Suitable materials are polyethylene-coated kraft paper, aluminium foil/paper/polyethylene laminate and opaque polyethylene film. Polyvinylchloride (PVC) film shall not be used. If a transparent or translucent material is used, the packages shall be over-wrapped with an opaque material when stored.

3 IDENTIFICATION

The marking of packages to identify the contents shall include the following minimum information :

- 1) part number;
- 2) material specification number;
- 3) quarter and year of cure (for example 3Q73);
- 4) compound number;
- 5) acceptance batch number;
- 6) manufacturer's identity.

These details shall be durably marked on each envelope or every pocket containing a sealing ring or, where transparent material is used, on a separate slip of paper inserted in each envelope or packet so as to be easily read without breaking the seal.