
International Standard



6965

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Aircraft — Self-propelled gantry for lifting air cargo containers and outsize cargoes — Functional requirements

Aéronefs — Portique automoteur de levage de conteneurs et de charges hors dimensions de fret aérien — Caractéristiques fonctionnelles

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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.

International Standard ISO 6965 was developed by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, and was circulated to the member bodies in May 1981.

It has been approved by the member bodies of the following countries :

Australia	France	South Africa, Rep. of
Austria	Ireland	Spain
Belgium	Italy	Sweden
Brazil	Japan	United Kingdom
China	Korea, Rep. of	USA
Czechoslovakia	Netherlands	USSR
Egypt, Arab Rep. of	Romania	

No member body expressed disapproval of the document.

Aircraft — Self-propelled gantry for lifting air cargo containers and outsize cargoes — Functional requirements

0 Introduction

This International Standard is to be read in conjunction with the following documents :

- ISO 668, *Series 1 freight containers — Classification, external dimensions and ratings.*
- ISO 1496/1, *Series 1 freight containers — Specification and testing — Part 1 : General cargo containers.*
- ISO 1496/7, *Series 1 freight containers — Specification and testing — Part 7 : Air mode containers.*
- ISO 3874, *Series 1 freight containers — Handling and securing.*
- ISO 6966, *Aircraft — Basic requirements for aircraft loading equipment.*

1 Scope and field of application

1.1 This International Standard specifies the functional requirements for a self-propelled gantry capable of raising from the ground, transporting and stacking two high :

- a) Corner fitting equipped air/surface intermodal containers per ISO 1496/7 with the following characteristics :

Length mm (in)	Width mm (in)	Height mm (in)	Max. gross weight kg (lb)
6 058 (238.5)	2 438 (96)	2 438 (96)	11 340 (25 000)
12 192 (480)	2 438 (96)	2 438 (96)	20 412 (45 000)

- b) Surface containers, equipped with 8 corner fittings per ISO 1161, with the following characteristics :

Length mm (in)	Width mm (in)	Height max. mm (in)	Max. gross weight kg (lb)
6 058 (238.5)	2 438 (96)	2 591 (102)	20 320 (44 800)
12 192 (480)	2 438 (96)	2 591 (102)	27 200 (60 000)

- c) Various pieces of outsize cargo with the following characteristics :

Length mm (in)	Width mm (in)	Height max. mm (in)	Max. gross weight kg (lb)
Unlimited	3 660 (144)	3 000 (118)	27 200 (60 000)

1.2 The term "weight" is retained here above instead of the correct technical term "mass", in order to conform to current commercial usage.

1.3 The methods and devices used to lift corner fitting containers with the unit shall comply with ISO 3874.

2 Structure and overall dimensions

NOTE — See figure 1 for explanation of specification clearances.

2.1 The unit shall basically consist of two gantry frames connected together by structural members so that the nominal