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**Aerospace — Airframe ball bearings,  
double-row, rigid, diameter series 0 —  
Metric series**

*Aéronautique et espace — Roulements pour structures d'aéronefs:  
roulements, rigides, à deux rangées de billes, série de diamètres 0 —  
Série métrique*



## Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 14204 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 15, *Airframe bearings*.

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# Aerospace — Airframe ball bearings, double-row, rigid, diameter series 0 — Metric series

## 1 Scope

This International Standard specifies the characteristics, boundary dimensions, tolerances, internal clearances and permissible loads of metric series double-row, rigid, ball bearings of diameter series 0, in accordance with ISO 15, used in airframe applications. These bearings are full complement (without cage) with a double row of balls and filling slot. These bearings are designed to withstand only slow rotations and oscillations under load and are intended for use between fixed and moving parts of an aircraft structure and their control surfaces.

The airframe ball bearings covered by this International Standard are designed to operate in the temperature range of – 54 °C to + 150 °C.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 15:1998, *Rolling bearings — Radial bearings — Boundary dimensions, general plan*.

ISO 683-17:—<sup>1)</sup>, *Heat-treated steels, alloy steels and free-cutting steels — Part 17: Ball and roller bearing steels*.

ISO 1132:1980, *Rolling bearings — Tolerances — Definitions*.

ISO 2082:1986, *Metallic coatings — Electroplated coatings of cadmium on iron or steel*.

ISO 4520:1981, *Chromate conversion coatings on electroplated zinc and cadmium coatings*.

ISO 5593:1997, *Rolling bearings — Vocabulary*.

ISO 8075:1985, *Aerospace — Surface treatment of hardenable stainless steel parts*.

ISO 14190:1998, *Aerospace — Airframe rolling bearings: ball and spherical roller bearings — Technical specification*.

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<sup>1)</sup> To be published. (Revision of ISO 683-17:1976)