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INTERNATIONAL STANDARD

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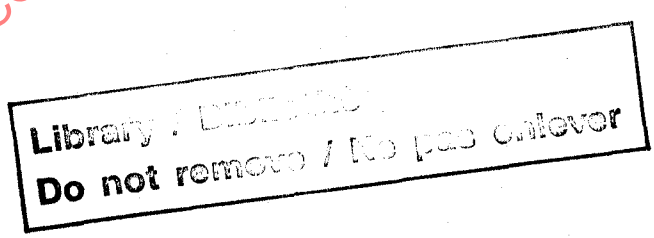
INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ORGANISATION INTERNATIONALE DE NORMALISATION
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Spherical plain radial bearings, joint type — Boundary dimensions —

Part 1: Dimension series E and G

Rotules lisses d'articulation à contact radial — Dimensions d'encombrement —

Partie 1: Séries de dimensions E et G



Reference number
ISO 6124-1 : 1987 (E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 6124-1 was prepared by Technical Committee ISO/TC 4, *Rolling bearings.*

This third edition cancels and replaces the second edition (ISO 6124-1 : 1982), of which it constitutes a minor revision.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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Spherical plain radial bearings, joint type — Boundary dimensions —

Part 1: Dimension series E and G

1 Scope and field of application

This part of ISO 6124 specifies dimensions for spherical plain radial bearings, joint type, dimension series E and G.

These dimensions define the bearings geometrically but do not impose any restrictions as to material or manufacturing methods.

Chamfer dimension values are given as minimum values. Appropriate maximum values are the same as those specified in ISO 582 for rolling bearings.

Tolerances for the bore diameter, outside diameter and width are given in ISO 6125.

2 References

ISO 582, *Rolling bearings — Metric series — Chamfer dimension limits.*

ISO 6125, *Spherical plain radial bearings; joint type — Tolerances.*

3 Symbols

B = inner ring width, nominal

C = outer ring width, nominal

d = bearing bore diameter, nominal

d_1 = outer diameter of inner ring face

D = bearing outside diameter, nominal

r_1 = inner ring chamfer, height and width

r_2 = outer ring chamfer, height and width

$r_{1s\,min}$ = smallest permissible single r_1

$r_{2s\,min}$ = smallest permissible single r_2

α = angle of permissible tilt