International Standard 6124

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Spherical plain radial bearings, joint type — Dimension series E and G — Boundary dimensions

Rotules lisses d'articulation à contact radial — Séries de dimensions E et G — Dimensions d'encombrement

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FOREWORD

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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 6124 was developed by Technical Committee ISO/TC 4, *Rolling bearings,* and was circulated to the member bodies in September 1978.

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

Australia	Hungary	Poland
Austria	India	Romania
Belgium	Italy	South Africa, Rep. of
Canada	Japan	Sweden
Chile	Korea, Dem. P. Rep. of	Switzerland
China	Korea, Rep. of	United Kingdom
Czechoslovakia	Libyan Arab Jamahiriya	USA
France	Mexico	USSR
Germany, F.R.	Netherlands	Yugoslavia

No member body expressed disapproval of the document.

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1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies dimensions for radial spherical plain 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 dimensions are given as minimum values. Appropriate maximum values are specified in ISO 582.

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

2 REFERENCES

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

ISO 6125, *Spherical plain radial bearings, Joint type — Tolerances.*[1)]

3 SYMBOLS

d = bearing bore diameter, nominal

d_1 = outer diameter of inner ring face

D = bearing outside diameter, nominal

B = inner ring width, nominal

C = outer ring width, 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.

1) At present at the stage of draft.