International Standard 6124/3

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Spherical plain radial bearings, joint type — Boundary dimensions — Part 3 : Dimension series C

Rotules lisses d'articulation à contact radial — Dimensions d'encombrement — Partie 3 : Série de dimensions C

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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 6124/3 was developed by Technical Committee ISO/TC 4, *Rolling bearings*, and was circulated to the member bodies in December 1980.

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

Australia	Germany, F. R.	Romania
Austria	Hungary	South Africa, Rep. of
Belgium	India	Spain
Brazil	Italy	Sweden
Canada	Japan	Switzerland
China	Korea, Rep. of	United Kingdom
Czechoslovakia	Mexico	USA
Egypt, Arab Rep. of	Netherlands	USSR
France	Poland	

No member body expressed disapproval of the document.

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Spherical plain radial bearings, joint type — Boundary dimensions — Part 3 : Dimension series C

1 Scope and field of application

This Part of ISO 6124 specifies boundary dimensions for spherical plain radial bearings, joint type, dimension series C.

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, the 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

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_{1smin}	=	smallest permissible single r_1
r_{2smin}	=	smallest permissible single r_2
α	=	angle of permissible tilt