

INTERNATIONAL
STANDARD

ISO
12043

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**Rolling bearings — Single-row cylindrical
roller bearings — Chamfer dimensions for
loose rib and non-rib sides**

*Roulements — Roulements à rouleaux cylindriques à une rangée —
Dimensions des arrondis des rondelles d'épaulement et des bagues côté
sans épaulement*



Reference number
ISO 12043:1995(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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 12043 was prepared by Technical Committee ISO/TC 4, *Rolling bearings*.

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Rolling bearings — Single-row cylindrical roller bearings — Chamfer dimensions for loose rib and non-rib sides

1 Scope

This International Standard specifies, for the diameter series 0, 2 and 3, the minimum chamfer dimensions for non-rib sides and loose ribs of single-row cylindrical roller bearings where these dimensions differ from the minimum chamfer dimensions specified in ISO 15.

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 15:1981, *Rolling bearings — Radial bearings — Boundary dimensions — General plan.*

ISO 582:1995, *Rolling bearings — Chamfer dimensions — Maximum values.*

3 Symbols and dimensions

See figure 1 and table 1.

The dimensions given in table 1 corresponding to the symbols shown in figure 1 are nominal dimensions unless specified otherwise.

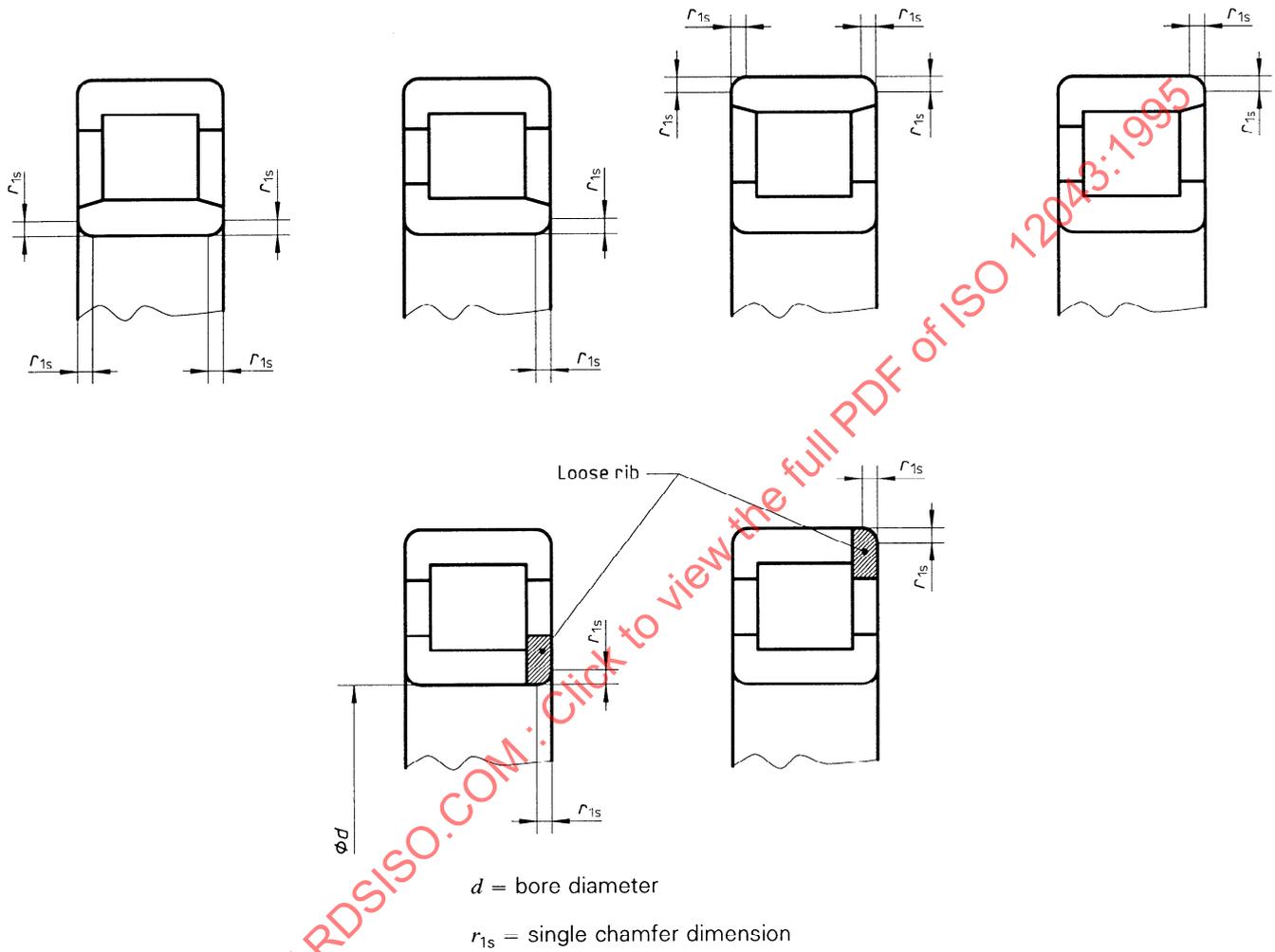


Figure 1

Table 1 — Chamfer dimensions

Dimensions in millimetres

d	Diameter series		
	0	2	3
	$r_{1s \min}^{1), 2)}$		
15		0,3	0,6
17		0,3	0,6
20	0,3	0,6	0,6
25	0,3	0,6	
30	0,6	0,6	
35	0,6	0,6	1,1
40	0,6		
45	0,6		
50	0,6		
55	1	1,1	
60	1		
65	1		
70	1		
75	1		
80	1		
85	1		
90	1,1		
95	1,1		
100	1,1		
105	1,1		
110	1,1		
120	1,1		
130	1,1		
140	1,1		
150	1,5		
160	1,5		

1) Smallest permissible single chamfer dimension of r_{1s} . The corresponding maximum chamfer dimensions are given in ISO 582.

2) Where no values are given the chamfer dimensions are in accordance with the $r_{s \min}$ values in ISO 15.

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