
**Rolling bearings — Cylindrical roller
bearings, separate thrust collars —
Boundary dimensions**

*Roulements — Roulements à rouleaux cylindriques, bagues
d'épaulement séparées — Dimensions d'encombrement*

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ISO 246 was prepared by Technical Committee ISO/TC 4, *Rolling bearings*.

This third edition cancels and replaces the second edition (ISO 246:1995), which has been technically revised.

Voorbeeld
Preview

Rolling bearings — Cylindrical roller bearings, separate thrust collars — Boundary dimensions

1 Scope

This International Standard specifies the width, the maximum outside diameter, the bore and the bore minimum chamfer of separate thrust collars for cylindrical roller bearings in diameter series 0, 2, 3, and 4 as specified in ISO 15.

Dimensions for overall width and other geometrical features are not specified as they are dependent on the internal design of the bearings.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

ISO 582, *Rolling bearings — Chamfer dimensions — Maximum values*

ISO 5593, *Rolling bearings — Vocabulary*

ISO 15241, *Rolling bearings — Symbols for quantities*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5593 apply.

4 Symbols

For the purposes of this document, the symbols given in ISO 15241 and the following apply.

The symbols shown in Figure 1 and the values given in Table 1 and Table 2 denote nominal dimensions unless specified otherwise.

B_1	width of thrust collar protruding beyond inner ring face
d	bore diameter
d_1	outside diameter
r_1	chamfer dimension
$r_{1s \min}$	smallest single chamfer dimension

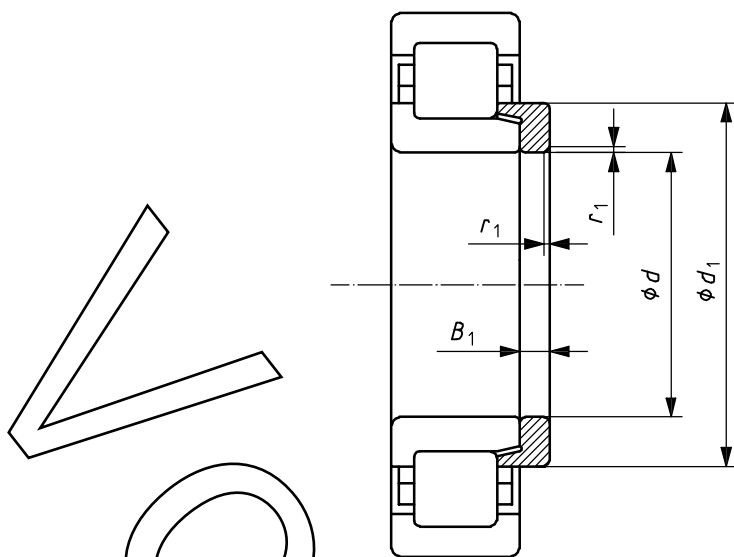


Figure 1 — Cylindrical roller bearing with separate thrust collar

5 Dimensions

Dimensions of separate thrust collars for cylindrical roller bearings of diameter series 0, 2, 3, and 4 (standard design) and diameter series 2E and 3E (E-design) are given in Table 1 and Table 2 respectively.

NOTE For radial cylindrical roller bearings series 2E and 3E, the E signifies that they are of the design having reinforced roller and cage assembly and increased radial load-carrying capacity.

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