



AMERICAN NATIONAL STANDARD

ABMA Standard

Rolling bearings — Balls — Part 2: Ceramic balls

Sponsor

**American Bearing
Manufacturers Association**

**ANSI/ABMA/ISO 3290-2:2014
(Identical Adoption of ISO 3290-2:2008)**

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International Standard 3290-2:2008 was prepared by Technical Committee ISO/TC 4, Rolling Bearings.

This standard was processed and approved for submittal to ANSI for national adoption by Accredited Standards Committee B3. Committee approval of the national adoption of this standard does not necessarily mean that all committee members voted for its adoption.

Suggestions for the improvement of this standard gained through experience with its use will be welcomed. These suggestions should be sent to:

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Rolling bearings — Balls —

Part 2: Ceramic balls

Roulements — Billes —

Partie 2: Billes de roulement en céramique



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Foreword

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 3290-2 was prepared by Technical Committee ISO/TC 4, *Rolling bearings*.

ISO 3290 consists of the following parts, under the general title *Rolling bearings — Balls*:

- *Part 1: Steel balls*
- *Part 2: Ceramic balls*

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Rolling bearings — Balls —

Part 2: Ceramic balls

1 Scope

This part of ISO 3290 specifies requirements for finished silicon nitride balls for rolling 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 1132-1, *Rolling bearings — Tolerances — Part 1: Terms and definitions*

ISO 4288, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Rules and procedures for the assessment of surface texture*

ISO 5593, *Rolling bearings — Vocabulary*

ISO/TS 12181-1, *Geometrical Product Specifications (GPS) — Roundness — Part 1: Vocabulary and parameters of roundness*

ISO 15241, *Rolling bearings — Symbols for quantities*

ISO 26602:—¹ *Fine ceramics (advanced ceramics, advanced technical ceramics) — Silicon nitride materials for rolling bearing balls*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1132-1, ISO 5593 and the following apply.

3.1

nominal ball diameter

diameter value which is used for the general identification of a ball size

[ISO 5593:1997, 05.04.01]

1) To be published.