Thin Section Ball Bearings Inch Design
ANSI/ABMA 26.2:1994

Secretariat
American Bearing Manufacturers Association
ANSI/ABMA 26.2:1994
Stabilized Maintenance 2013

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THIN SECTION BALL BEARINGS
INCH DESIGN

1 Scope

This standard specifies the boundary dimensions and the tolerances for boundary dimensions, running accuracies and internal clearances for thin section ball bearings of single row radial contact, angular contact and four-point angular contact types.

2 References

ANSI/ABMA Standard 1, Terminology for Anti-Friction Ball and Roller Bearings and Parts.


ANSI/ABMA Standard 9, Load Ratings and Fatigue Life for Ball Bearings.

3 Terminology

3.1 Types of bearings

3.1.1 Thin section ball bearing, radial contact (Type C). A deep groove ball bearing, or filling slot ball bearing, designed to support primarily radial load.

3.1.2 Thin section ball bearing, angular contact (Type A). A non-separable angular contact ball bearing with a counter-bored outer ring and a nominal 30° axial contact angle.

3.1.3 Thin section ball bearing, four-point contact (Type X). A four point contact ball bearing with a nominal 30° radial contact angle.