



Designation: F1061 – 08 (Reapproved 2020)

# Standard Specification for Ski Binding Test Devices<sup>1</sup>

This standard is issued under the fixed designation F1061; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

## INTRODUCTION

The purpose of this specification is to aid in the selection of ski binding test devices appropriate for the needs of ski equipment sales and rental facilities. Devices which meet this specification exceed the requirements of Practices **F1063** and **F1064**. Therefore, a device that does not meet this specification may still satisfy the requirements of Practices **F1063** and **F1064**.

## 1. Scope

1.1 This specification covers requirements for devices used to determine the release moments of ski equipment in retail sales and rental facilities.

1.2 This specification is applicable to the manufacture, repair, and calibration of such devices.

1.3 This specification is to be used with Test Method **F1062**.

1.4 The values expressed in newton metres, newtons, and centimetres are to be regarded as the standard.

1.5 The values expressed in units of torque may be converted to the appropriate force values when devices that indicate force are used.

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

## 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

**E456** Terminology Relating to Quality and Statistics

**F504** Test Method for Measuring the Quasi-Static Release Moments of Alpine Ski Bindings

**F939** Practice for Selection of Release Torque Values for

Alpine Ski Bindings

**F1062** Test Method for Verification of Ski Binding Test Devices

**F1063** Practice for Functional Inspections and Adjustments of Alpine Ski/Binding/Boot Systems

**F1064** Practice for Sampling and Inspection of Complete and Incomplete Alpine Ski/Binding/Boot Systems in Rental Applications

2.2 *ISO Standard:*

**8061** Method for the Selection of Release Torque Values<sup>3</sup>

## 3. Terminology

3.1 The terms and abbreviations used in this document are defined in Terminology **E456**, Test Method **F504**, and Test Method **F1062**.

3.2 Terms and abbreviations used in this document are repeated here for convenience. Refer to Test Method **F1062** for equations.

3.2.1 *a*—the difference between the calibration of the specific device tested for agreement with an instrument of the type described in Test Method **F504**, and the calibration of an individual device of the same design.

3.2.2 *d*—the agreement between the test device and the standard apparatus described in Test Method **F504**.

3.2.3 *r*—the imprecision of the device tested.

3.2.4 *Recommended Operating Range (ROR)*—the portion of the full range of the test device which is in compliance with this specification.

3.2.5 *Operating Range (OR)*—the portion of the full range of the test device which may be employed in compliance with Practices **F1063** and **F1064**. OR shall be defined by the user in accordance with the section on Inspection in Annex A1 of Practice **F1063**, or in the section on Inspection in Annex 2 of Practice **F1064**.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee **F27** on Snow and Water Sports and is the direct responsibility of Subcommittee **F27.10** on Binding Test Procedures.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.