



Standard Specification for Binding Mounting Area Dimensions on Alpine Skis and Bindings¹

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1. Scope

1.1 This specification covers² dimensions for binding mounting areas for alpine skis and mounting-related dimensions on alpine ski bindings, in order to optimize the compatibility of the functional unit⁴ “ski-binding—retention device—boot.” It contains data needed for the manufacture of alpine skis, and for manufacturers of alpine ski bindings, specifically with respect to the binding mounting area. This specification is applicable to alpine skis of the following nominal lengths (see Terminology F 472 for the definition of nominal length, L_N):

- Group 1: $L_N \geq 1700$ mm
- Group 2: $1400 \text{ mm} \leq L_N < 1700$ mm
- Group 3: $1000 \text{ mm} \leq L_N < 1400$ mm
- Group 4: $750 \text{ mm} \leq L_N < 1000$ mm

1.2 The values stated in SI units are to be regarded as the standard.

2. Referenced Documents

2.1 ASTM Standards:

F 472 Terminology for Geometry of Alpine Skis³

F 944 Specification for Properties of Adult Alpine Ski Boots³

2.2 ISO Standard:⁴

8364 Alpine Skis and Bindings—Binding Mounting Area—Requirements and Test Methods

3. Terminology

3.1 Definitions:

3.1.1 *binding mounting*—all the connections between the parts of the binding and the ski, especially those designed to transmit forces between binding and ski and which fulfill the minimum strength requirements determined for the function of the binding.

3.1.2 *binding mounting area*—that portion of the top surface of the ski that is intended for mounting bindings. The

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² This specification is meant to conform in all significant aspects to the specification for binding mounting area for alpine skis as set forth in ISO 8364.

³ *Annual Book of ASTM Standards*, Vol 15.07.

⁴ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.

standardized binding mounting area establishes the area on the ski within which the entire diameter of binding screws should be placed.

4. Significance and Use

4.1 This specification defines the area wherein parts of the binding may be mounted. Standard dimensions and location for a binding mounting area enable a ski designer to locate reinforcing elements within this area. Standard dimensions also enable the binding designer to determine all interface dimensions for binding unit size, screw locations, etc. Bindings and skis built in compliance with this specification are compatible. This specification does not apply to any bindings or skis manufactured prior to Jan. 1, 1979.

5. Specifications of Binding Mounting Area

5.1 *Tolerances*—Unless otherwise indicated, the tolerance on all dimensions specified is ± 1 mm.

5.2 Indication of Mounting Point:

5.2.1 The ski manufacturer shall be required to put a clearly visible mark at least on the left side or top surface, or both, of the ski, up to the left outer edge. This line corresponds with the mark on the side surface of the boot sole, or when noted, to the boot sole toe location (see Specification F 944).

5.2.2 The location of the mark on the ski shall be determined by the ski manufacturer in accordance with established test procedures and results.

5.3 *Length of Binding Mounting Area (see Fig. 1)*—The length of the binding mounting area forwards and backwards from the midsole mounting point shall be as follows:

Group 1:	275 mm
Group 2:	240 mm
Group 3:	210 mm
Group 4:	190 mm

or about the boot sole toe location shall be as follows:

	Forward	Rearward
Group 1:	110 mm	440 mm
Group 2:	100 mm	380 mm
Group 3:	90 mm	330 mm
Group 4:	80 mm	300 mm

5.4 *Width of Binding Mounting Area (see Fig. 1)*—The minimum width of the binding mounting area, symmetrical about the longitudinal axis of the ski, shall be as follows:

Groups 1 and 2:	50 mm
Groups 3 and 4:	48 mm