



Standard Test Method for Measurement of Sleeping Bags¹

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INTRODUCTION

The measurements introduced in this test method are for the internal girth, internal length and width, and external length and width of sleeping bags.

The external length and width measurements or internal length and width measurements apply to length and width measurements required for standardized Bedding Labels.

The “girth” (that is, internal circumference) of a sleeping bag refers to the total internal circumference at specific longitudinal measurement points of a closed sleeping bag. It is a physical dimension/measurement used for specifications, design, and quality control. Girth in and of itself is not to be used to predict thermal properties of a sleeping bag.

1. Scope

1.1 This test method determines the internal girth, the internal length and width, and the external length and width of a sleeping bag under a standardized measurement method.

1.2 The measurement uses a physical measurement method applicable to any location where a flat level surface is provided.

1.3 The values stated in inch-pound units are to be regarded as standard.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Terminology

2.1 Definitions:

2.1.1 *bookends, n*—two moveable panels on the external measurement apparatus that slide in and out on the two axis of the sleeping bag.

2.1.2 *foot, n*—that end of the sleeping bag designed for the foot of the human body.

2.1.3 *girth, n*—total internal circumference of a closed sleeping bag as measured while the bag is lying flat on a flat level surface.

2.1.4 *head, n*—that end of the sleeping bag designed for the head and neck of the human body.

2.1.5 *length*—see below:

2.1.5.1 *Option 1—external length, n—of a sleeping bag*, greatest external distance from the head to the foot as measured down the centerline of the sleeping bag and parallel to the plane of the surface of the measurement apparatus while the sleeping bag is in a relaxed state.

2.1.5.2 *Option 2—internal length, n—of a sleeping bag*, distance from the liner/shell seam at the head of the sleeping bag to edge of the zipper coil at the foot of the sleeping bag as measured parallel to the centerline of the sleeping bag and parallel to the plane of the surface of the measurement apparatus, while the sleeping bag is open on a flat level surface. For a mummy sleeping bag this measurement is not possible; use Option 1.

2.1.6 *sleeping bag, n*—structure made of down, synthetic fiberfill, shell fabrics, or other materials, or a combination thereof, that are designed for people to use for thermal protection when sleeping (for example, outdoors, tent, cabin).

2.1.7 *walls, n*—stationary sides along the length and width of the apparatus.

2.1.8 *width*—see below:

2.1.8.1 *Option 1—external width, n—of a sleeping bag*, greatest distance from one external edge to the opposite external edge, as measured perpendicular to the axis created by the length and parallel to the plane of the surface of the measurement apparatus, while the sleeping bag is in a closed, relaxed state.

2.1.8.2 *Option 2—internal width, n—of a rectangular sleeping bag*, distance, divided by 2, from the edge of one zipper

¹ This test method is under the jurisdiction of ASTM Committee F08 on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of Subcommittee F08.22 on Camping Softgoods.

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