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TECHNICAL BULLETIN 48

**Method of Measuring the Finished Size of Sleeping Bags
(Conventional Bags – Zippered 2 Sides)**

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METHOD OF MEASURING THE FINISHED SIZE OF SLEEPING BAGS

SCOPE

Technical Information Bulletin Number 48 sets forth the method that must be used when measuring conventional sleeping bags (zippered two sides). Use this method to determine if a conventional sleeping bag complies with the finished size stated on the official law label, hang tags, or advertising materials.

EQUIPMENT

1. Flat surface
2. Steel tape measure

PROCEDURE

All measurements are made with a steel tape to the nearest 1/16 inch.

TO MEASURE LENGTH – Applies to All Sizes

1. Unzipper the sleeping bag and lay out fully opened in a relaxed state, without tension, on a flat surface. Sleeping bag is to be free of wrinkles or creases.
2. Take three measurements, one each at the outer edges of the bag and one in the center of the bag. DO NOT MEASURE FLAP.

Measurements are taken from the outer edge of the zipper (including the teeth of the zipper) to the outer edge of the top of the bag. Without applying tension to the sleeping bag as a whole, gently fold the zipper outward to its longest extent. (See **Figures 1, 2, 3, and 4.**)

3. Average the three measurements and report result as length of the sleeping bag in inches.

NOTE: If the article has a **headrest** or **attached head pillow**, make only **a single measurement** at the **longest** point for the length. (See **Figure 5.**)

4. When corners are rounded, take measurements at a point immediately below the curvature. (See **Figure 6.**)

TO MEASURE WIDTH – Applies to All Sizes

1. Unzipper the sleeping bag and lay out fully opened in a relaxed state, without tension, on a flat surface. Sleeping bag is to be free of wrinkles or creases.
2. Take three measurements, one each at the outer edges of the bag and one in the center of the bag. DO NOT MEASURE FLAP.

Measurements are taken from the outer edge of the zipper (including the teeth of the zipper) to the outer edge of the top of the bag. Without applying tension to the sleeping bag as a whole, gently fold the zipper outward to its longest extent. (See **Figure 7.**)

3. Average the three measurements and then divide the average by two. Report the results as the width of the sleeping bag in inches.
4. When corners are rounded, take measurements at a point immediately below the curvature. (See **Figure 6.**)

Figure 1: Measuring the Length of an Unzipped Conventional Sleeping Bag



Figure 2: Measuring Length from Edge to Edge for Conventional Sleeping Bag



Non-zipped Side



Zippered Side

Figure 3: Measuring the Near-Center of Conventional Sleeping Bag that Does Not Have Zipper Track in Exact Center (Length Measurement).



Figure 4: Close-Up of Near-Center Length Measurement Procedure of Conventional Sleeping Bag



Correct Procedure



Incorrect Procedure

Figure 5: Measuring Length at Single Longest Point for Conventional Bag with Headrest / Attached Head Pillow



Figure 6: Proper Method of Measurement When Corners are Rounded (Lines at Measurement Locations)

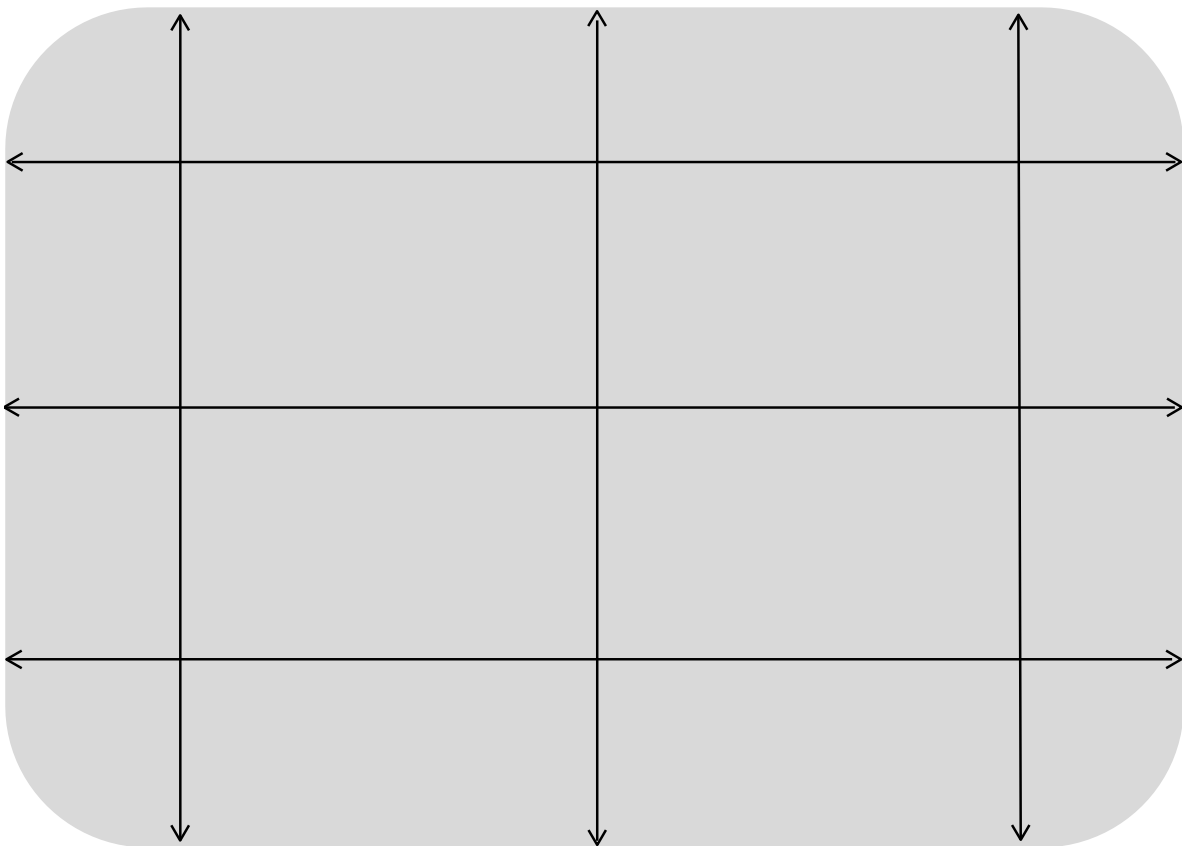


Figure 7: Measuring Width from Edge to Edge for Conventional Sleeping Bag

