



Work Instructions
Breaking Strength of Leather Laces
Date: September 2014

Based off of ASTM D2208 Breaking Strength of Leather by the Grab Method

Materials needed:

- 1) Tensile Machine

Step 1) Select 15 laces from between and within bundles.

Step 2) Cut a 6in (152mm) specimen from each selected lace. Selected location of specimen should be random.

Step 3) Select one of the 6in (152mm) specimens and, referring to the Measuring Thickness Work Instructions, find the average measurement of 3 locations on the specimen and record as thickness.

- Take the first measurement in the center of the specimen.
- Take the second measurement 1in (25.4mm) to the right of the center.
- Take the third measurement 1in (25.4mm) to the left of the center.

Step 4) Using a tensile machine, pull the selected specimen.

Step 5) Record the force required to rupture the specimen as the breaking strength.

Step 6) Repeat steps 3 through 5 until all 15 specimens have been pulled.

Step 7) Find the average of the thickness and the breaking strength data and record these averages as Average Thickness and Average Breaking Strength.