

Installation Instructions for Texture Accessory Part TA-SBA-WB-1

TA-SBA-WB-1 – Shear Blade Assembly

The Shear Blade Assembly (SBA) is used to perform cutting tests on various food items, especially meat products. The “WB” in the part number refers to Warner-Bratzler which was the name first given to a shearing apparatus used to measure the force needed to cut meat. The original instrument used a stainless-steel blade with a cutout through the blade in the shape of an equilateral triangle.

The TA-SBA-WB-1 is Brookfield’s Shear Blade 1mm Assembly, which comes with 2 blades that are each 1mm thick:

- 1) TA-SBA-13 is the Plain Blade
- 2) TA-SBA-10 is the Plain Vee Blade

Installation

The blade assembly screws into the probe coupling on the head of the CT3 Texture Analyzer. The thumb nut allows you to orient the blade so that it will slide into the Guide Block mounted on the Base Plate during the test.

The Base Plate with Guide Block mounts onto the Fixture Base Table, which is purchased separately from the Shear Blade Assembly.

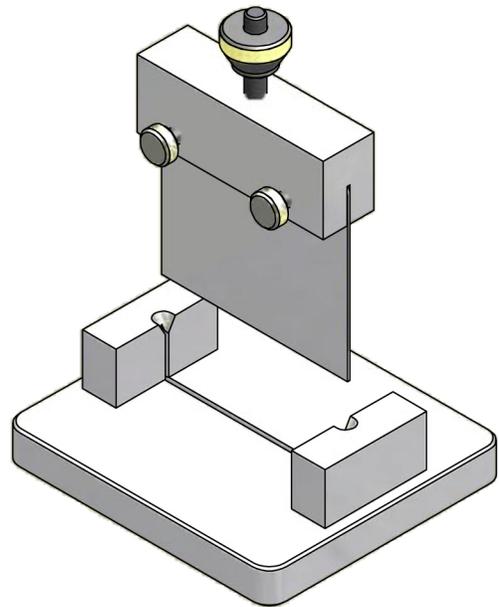
Choice of blade depends on the cutting action that is desired:

- 1) Meat that is round in shape, such as the American frankfurter, is best cut with the Plain Vee Blade; the “vee” shape opening in the blade accommodates the meat sample by making initial contact at 2 points on the sample surface, which effectively holds it in place as the cutting action commences.
- 2) The Plain Blade is appropriate for samples that have a flat horizontal surface.

Move the blade downward before commencing the test, to confirm that it is correctly oriented and will fit into the Guide Block.

Put the food item in place on the Base Plate. Bring the blade to a position a few millimeters above the test sample. Commence the test.

TA-SBA-WB-1 Assembly with TA-SBA-13 (Plain Blade)



TA-SBA-10 (Plain Vee Blade)

