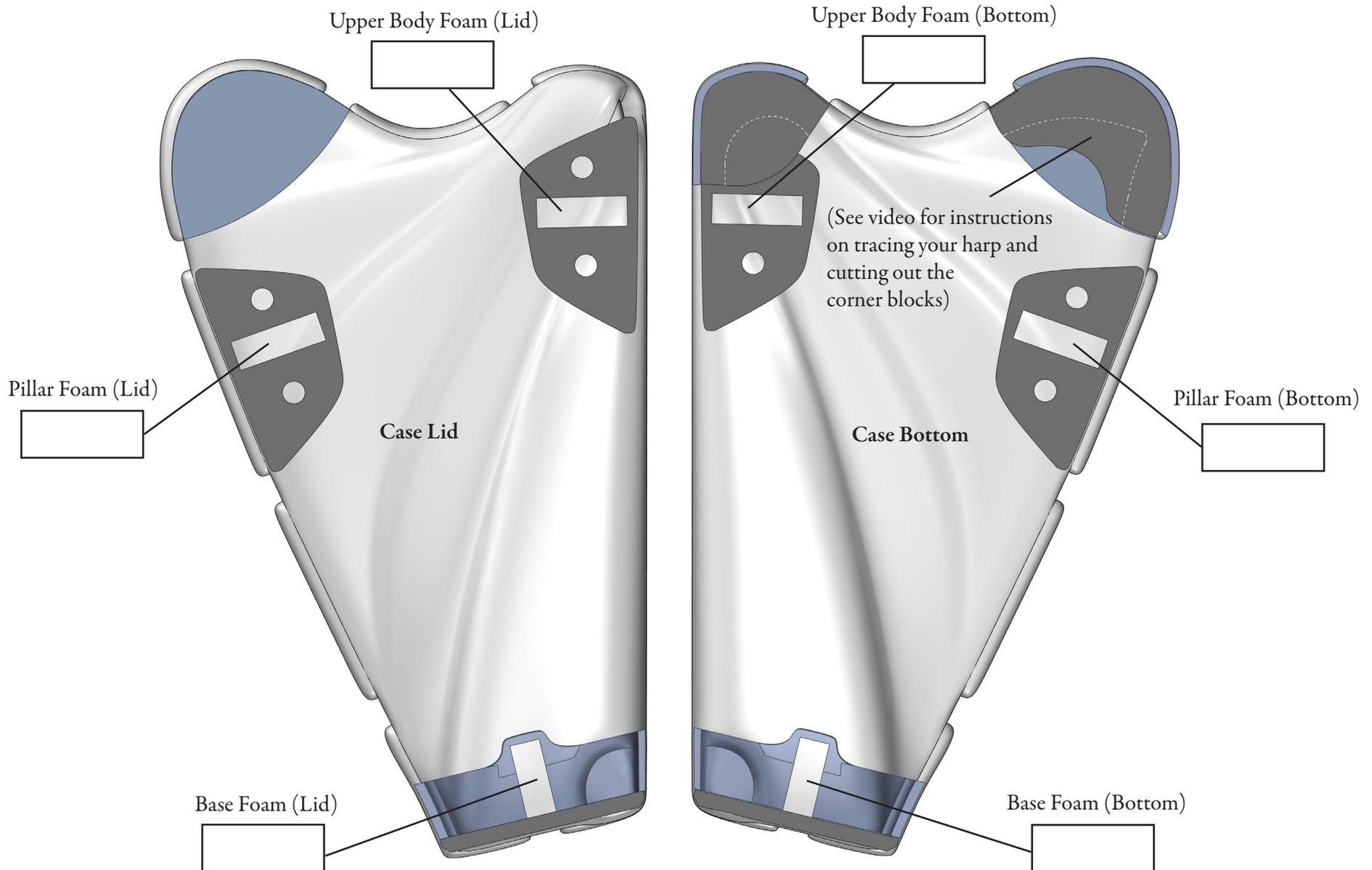


# Dusty Flight Case Foam Block Configuration

Because this case is designed to hold a variety of different harp makes and models, the foam configuration kit comes with an assortment of foam blocks in different thicknesses so that you can outfit the case for your particular harp. This diagram and the worksheet on the other side will help you to choose the right size block for each support location so that your harp is held snugly and safely inside the case. We recommend keeping this diagram as a reference in case you need to replace lost foam in the future. Write in pencil to begin with, since you may need to make adjustments when testing!

Please also watch the tutorial video on our website! <https://manufacturing.dustystrings.com/harps/accessories-hardware/cases/flight-case>  
This worksheet is a starting point and a reference, but does not cover all the steps needed to ensure a correct fit.



# Measuring Your Harp and Doing the Math

**BASE:** Measure the width of the body at the base of the harp and round down to the nearest half inch. (If your harp has a flat, protruding base, you can ignore that. The foam will compress around it.) The inside of the case is 16.5 inches (42 cm) wide at that point, and the objective is to choose foam blocks that will center the harp between the bottom of the case and the lid. Using the worksheet on the right, subtract your harp measurement from the case width, then divide by two to determine what thickness of foam goes on each side, rounding up to the next half inch. This will be your starting configuration, and the video covers how to assess if it's too much foam.

$$\boxed{\begin{array}{l} \text{Case Width (base)} \\ 16.5 \text{ inches (42 cm)} \end{array}} - \boxed{\begin{array}{l} \text{Harp Width (base)} \end{array}} \div 2 = \boxed{\begin{array}{l} \text{Foam thickness on each side} \end{array}}$$

Flip this sheet over and write down the foam thickness in the Base Foam (bottom) and Base Foam (lid) boxes.

**UPPER BODY:** Measure the width of the body about three feet (92 cm) up from the bottom, and round down to the nearest half inch. Then do the same process as in step one, using the worksheet on the right. Round your foam up to the next half inch.

$$\boxed{\begin{array}{l} \text{Case Width (upper body)} \\ 8 \text{ inches (20 cm)} \end{array}} - \boxed{\begin{array}{l} \text{Harp Width (upper body)} \end{array}} \div 2 = \boxed{\begin{array}{l} \text{Foam thickness on each side} \end{array}}$$

Flip this sheet over and write down the foam thickness in the Upper Body Foam (bottom) and Upper Body Foam (lid) boxes.

**PILLAR:** Measure the width of the pillar about 36 inches (92 cm) up from the base and round down to the nearest half inch. (If your harp has a protruding T-brace or forepillar, ignore that for now. You'll make a notch in the foam later on - see video for instructions.) The math on this one is a little different than the others, and it's because the pillar on most harps isn't exactly centered, and because you need more room in the case on the lever side of the harp neck than you do on the tuning pin side. So you'll subtract the pillar width from the case width, but you won't divide by two. Instead, you'll want to put more foam on the bottom side and less foam on the lid side. We've found that 2 inches on the bottom is a good starting point, so we're going to use that in our formula. You'll be able to make adjustments once you try the harp in the case.

$$\boxed{\begin{array}{l} \text{Case Width (pillar)} \\ 5 \text{ inches (13 cm)} \end{array}} - \boxed{\begin{array}{l} \text{Harp Width (pillar)} \end{array}} - \boxed{\begin{array}{l} \text{Pillar Foam (bottom)} \\ \text{try 2 inches (5 cm)} \end{array}} = \boxed{\begin{array}{l} \text{Pillar Foam (lid)} \end{array}}$$

Flip this sheet over and write down the foam thicknesses in the Pillar Foam (bottom) and Pillar Foam (lid) boxes.

