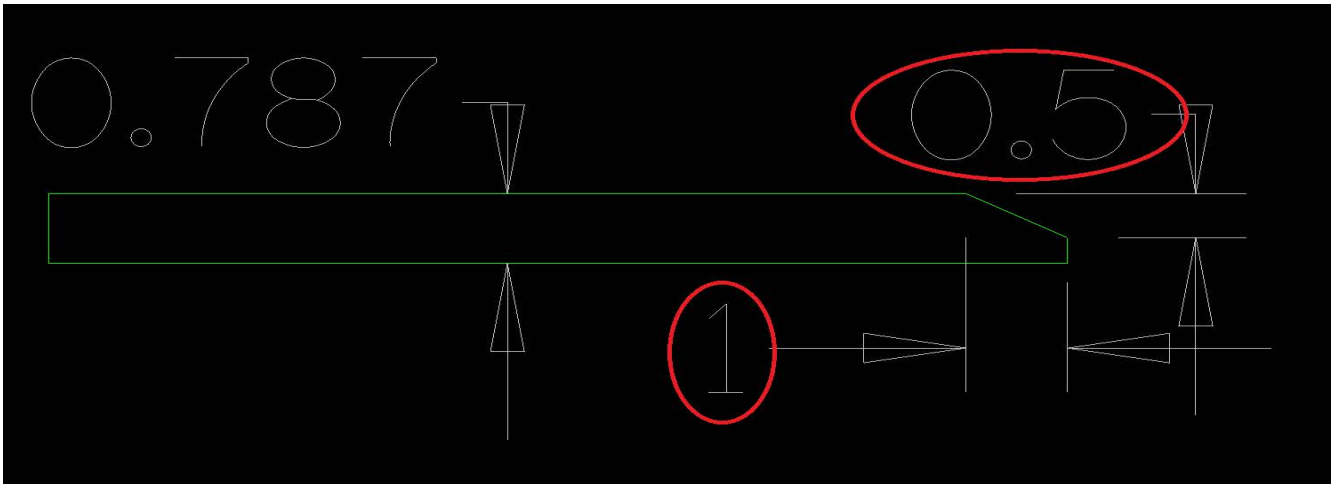
How to create a chamfer using the blade in Alphacam

PROCEED WITH CAUTION. SASSO ACCEPTS NO RESPONSIBIITY FOR ACCIDENTAL DAMAGE OR INJURY. THESE GUIDES ARE FOR REFERANCE ONLY.

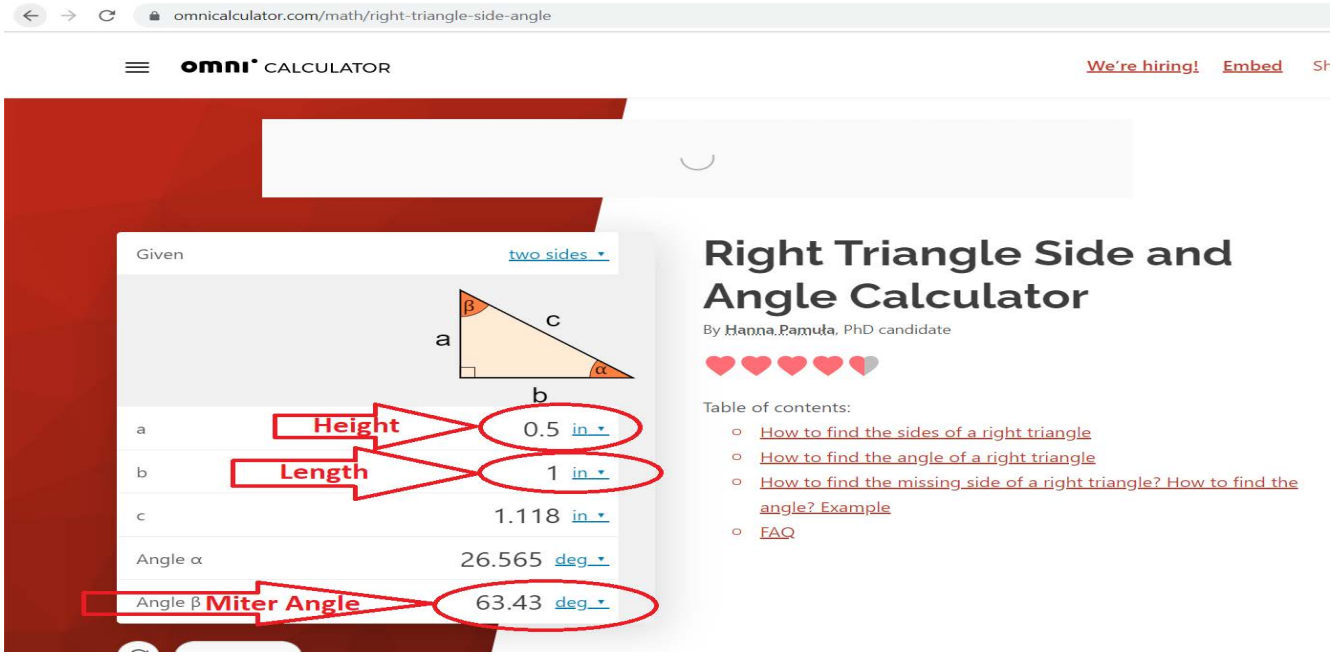
SASSO does not recommend using a blade smaller than 18" for chamfering due to the extreme negative miter angle. GO SLOW, RUN A TEST WITHOUT STONE FIRST.

- You will need the length of the desired chamfer (1" in the example below) and you will need the desired height (.5 from the top going down into the piece)

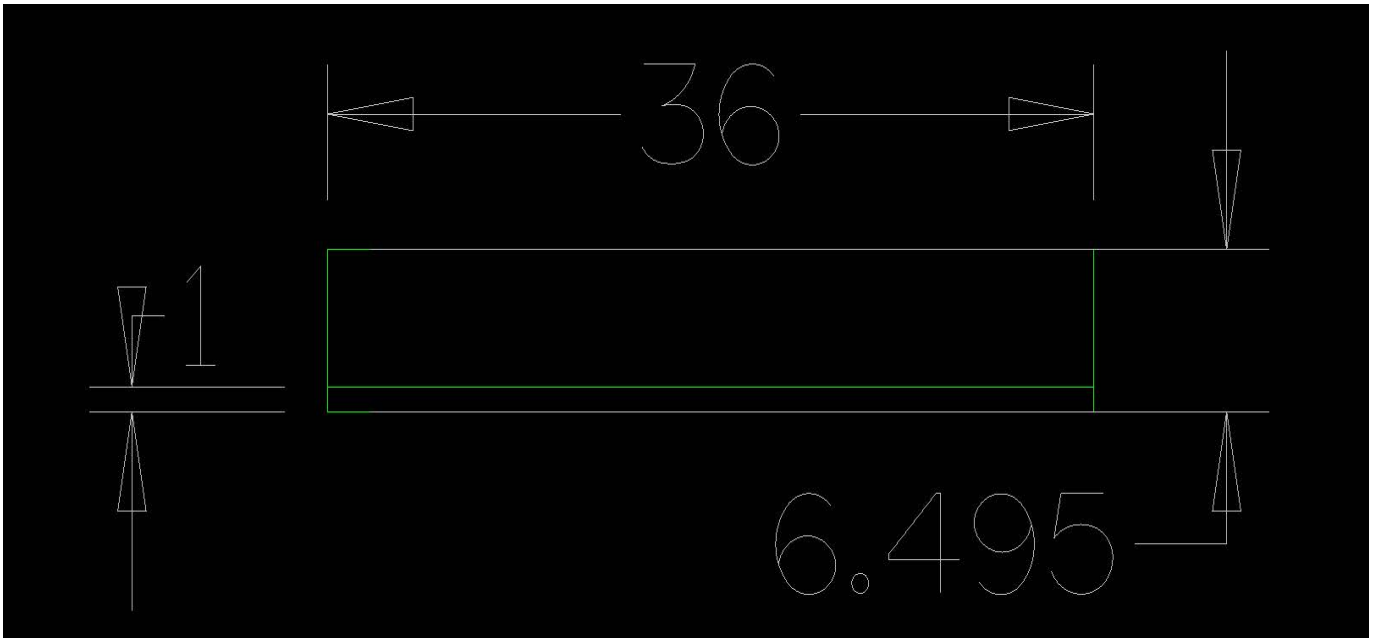


- Find your miter angle using a RIGHT TRIANGLE SIDE AND ANGLE CALCULATOR
    - Calculator Website Link if hyperlink above doesn't work
      https://www.omnicalculator.com/math/right-triangle-side-angle

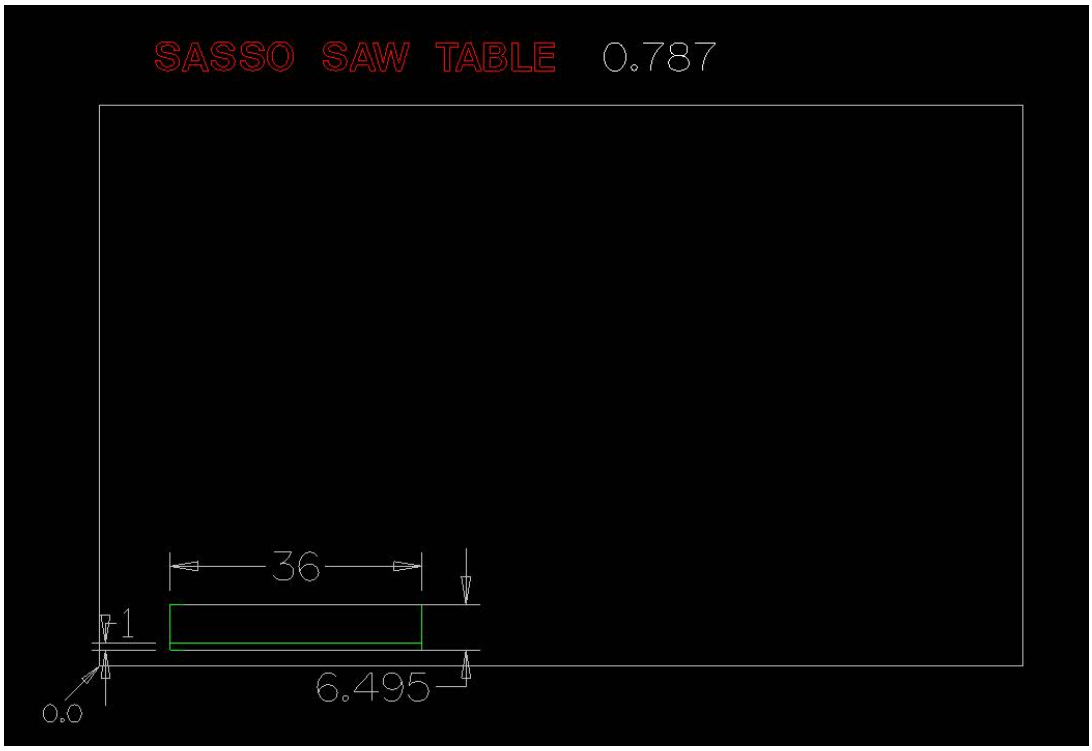
- Insert your Height (a) and your Length (b) and record the Miter Angle (Angle B)



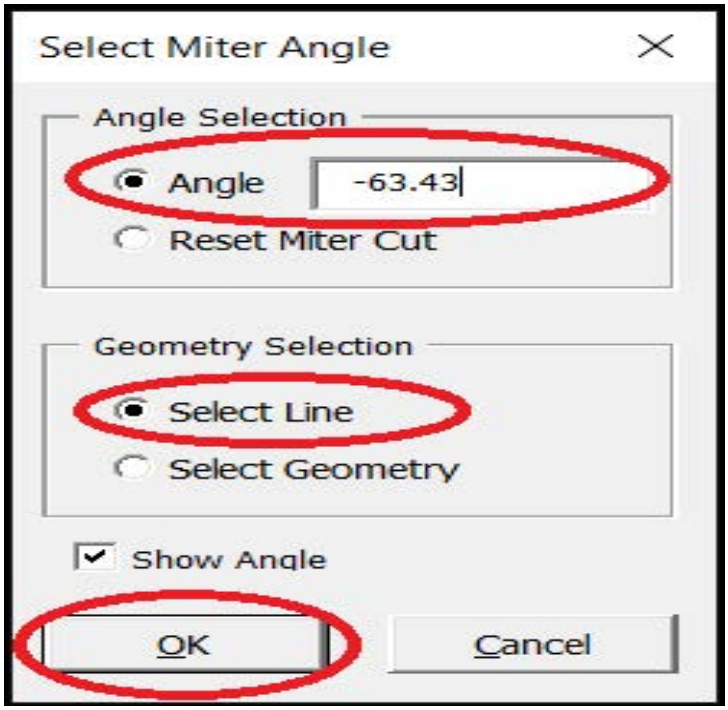
- In Alphacam, use Rectangle and draw the exterior dimensions of the piece (in this example we create a threshold thats 36"x6.5")
    - Using offset, create an Offset line for the top of your chamfer (our offset was 1" in this example)



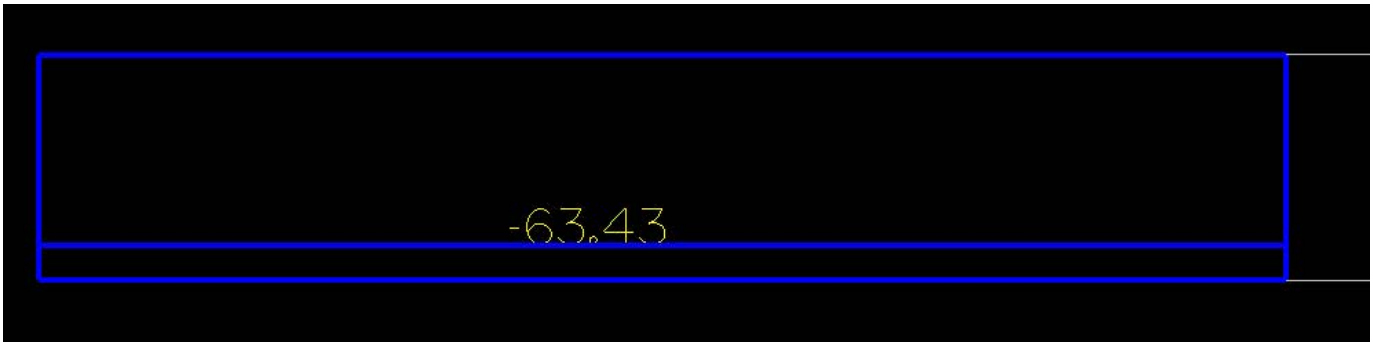
- Insert your table (we used a standard 2cm .787 table in this example)



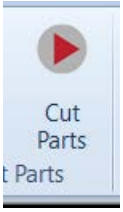
- Take the Miter Angle we found using the calculator above and apply your negative Miter Cut
    - You will need to apply a NEGATIVE symbol in front of your Miter Angle for a chamfer or bevel.
    - Click Miter Cut
        - Set your NEGATIVE Angle
        - Click Select Line
        - Click Ok

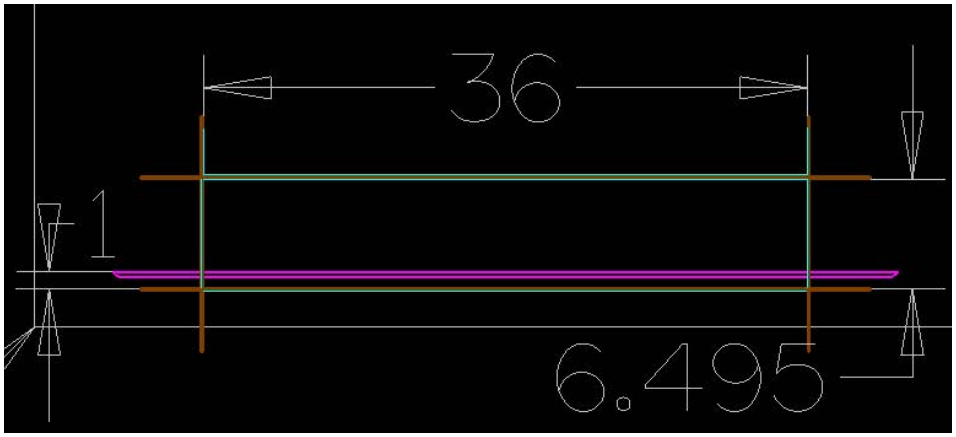


- Select the inner offset line we created earlier then right click to exit the Miter Cut tool

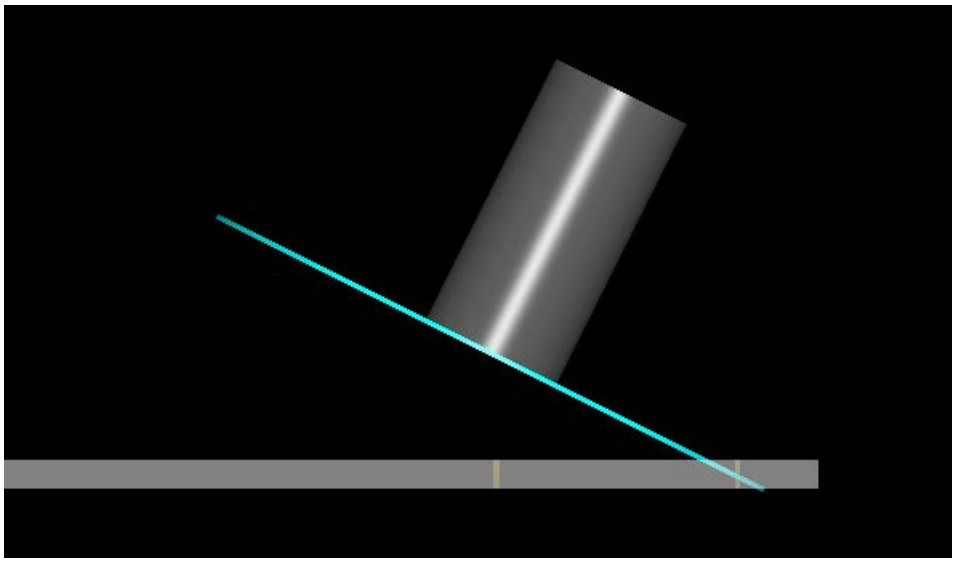


- Click and run Cut Parts

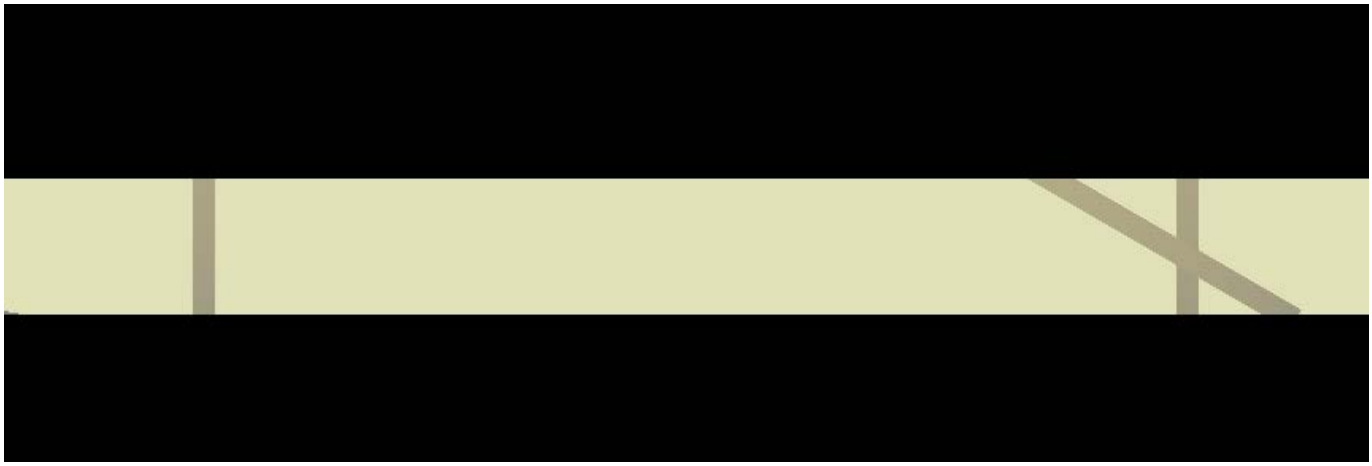




- Click and run Solid Simulation. Watch and inspect for correctness and potential machine collisions.



- We used a Left Side view in our solid simulation (located in the bottom right corner of the solid simulation screen) to see the shape of our chamfer.



Let us know how you did!