

User study: model 3

Allotted time: 10min**

Task 1:

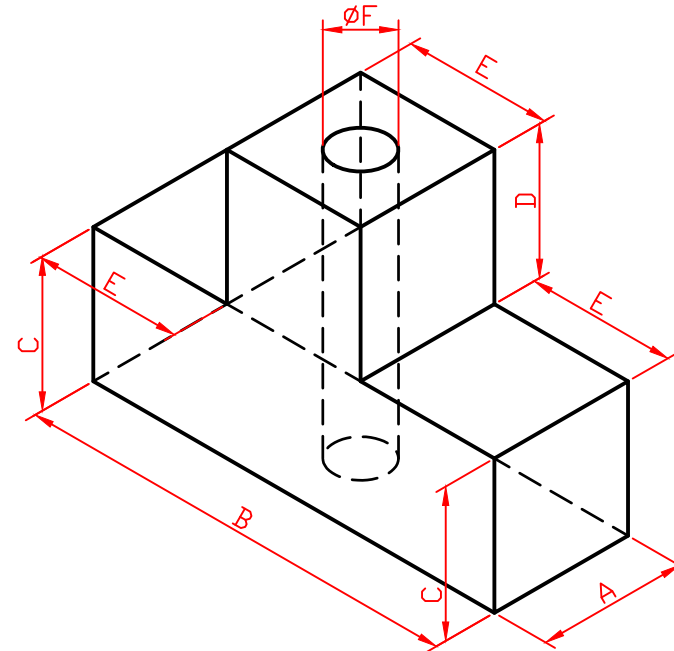
Please add constraints and parametric behavior to the model to ensure the model behaves as specified when the variable dimension(s) take any valid value within the specified bounds

Variable dimension(s):

1. A is a value that can change between 10mm and 50mm*

Specifications:

1. $C = D = E = A$
2. $B = 3A$
3. $F = \frac{1}{4} A$
4. The hole should remain centered
5. All edges that are horizontal should remain horizontal at any valid value of A
6. All edges that are vertical should remain vertical at any valid value of A
7. All angles should remain the same at any value of A
8. All sketches should be fully defined/fully constrained



Task 2:

Please ensure the resulting model (i.e. all the sketches) are fully defined.

Although it is not necessary to delete constraints and/or dimensions that are currently present in the model, you are allowed to do so if desired.

*You **do not** have to enforce these limits on the design, but you have to ensure the model behaves as specified within these bounds

** You are given 10 minutes to complete this task. If the allotted time elapses before you finished the task, you will be automatically moved to the next task.