

User study: model 3

Allotted time: 15min**

Task 1:

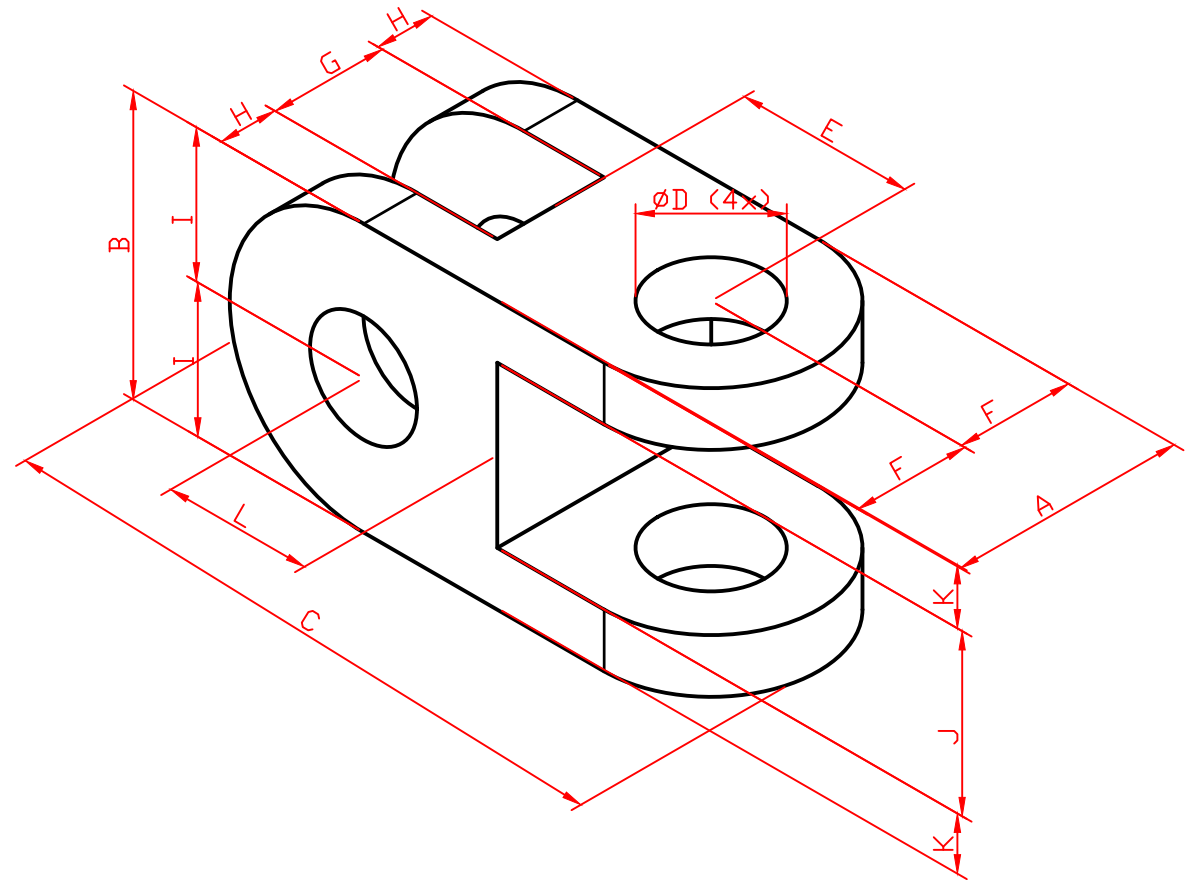
Please add constraints and parametric behavior to the model to ensure the model behaves as specified when the variable dimension(s) take any value between the specified bounds

Variable dimension(s):

1. A is a value that can change between 30mm and 60mm*
2. C is a value that can change between 60mm and 120mm*

Specifications:

1. $B = A$
2. $D = \frac{1}{2} A$
3. $E = L = \frac{1}{3} C$
4. $G = \frac{1}{2} A$
5. $J = \frac{1}{2} B$
6. All edges that are horizontal should remain horizontal at any valid value of A and C
7. All edges that are vertical should remain vertical at any valid value of A and C
8. All angles should remain the same at any value of A and C



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.