

Sample Chamber V1

Operation:

Actuator will pull on the handles of the over-center latch. The latch's hooks will be attached to the hooks on either side of the chamber door, and will pull open the chamber door as the latch releases. Length extensions can be added to the hooks to enable a longer range of motion, allowing us to control how much the door opens.

Example of a suitable over-center latch: <https://www.southco.com/en-us/97/97-30-160-12>

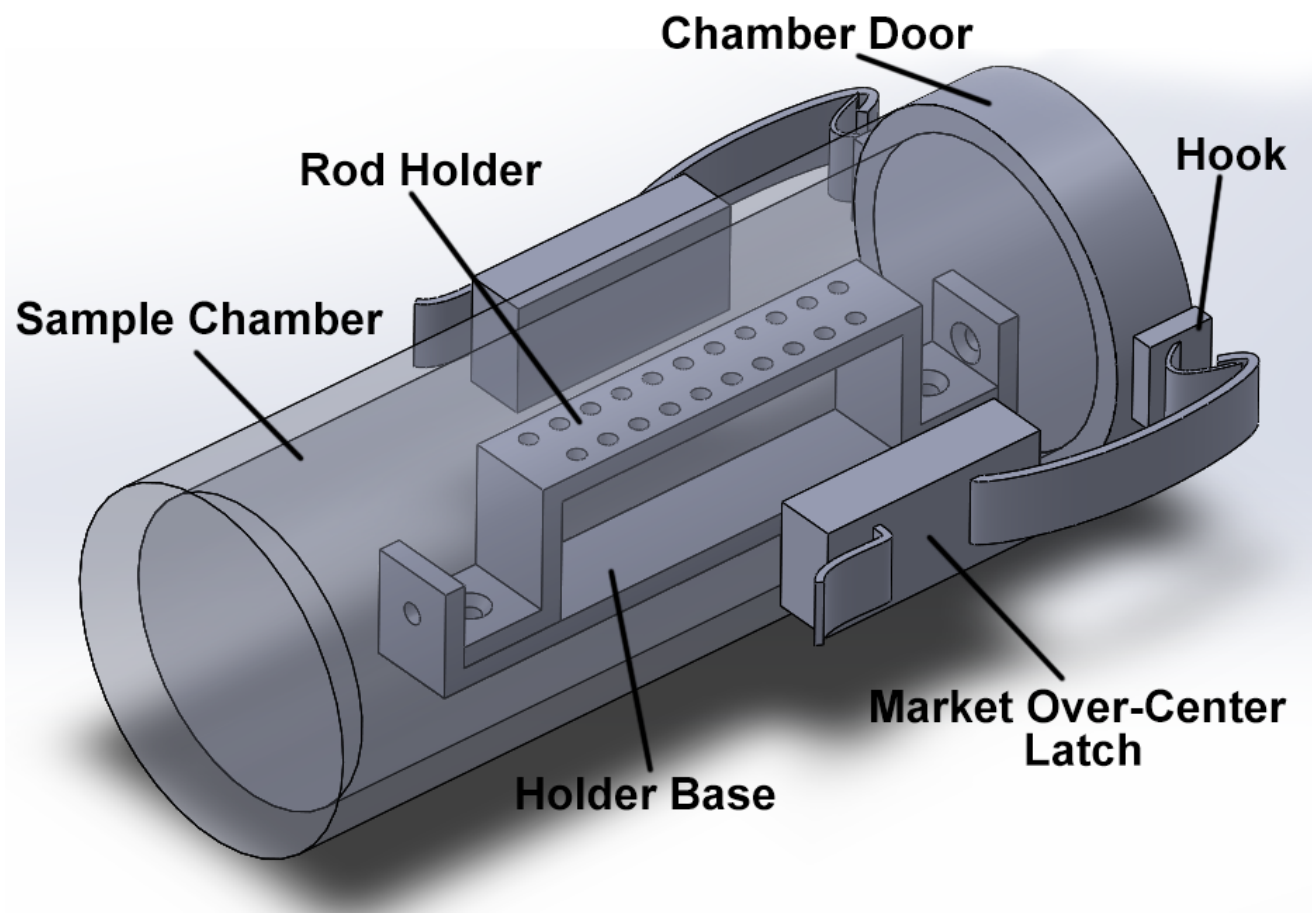
Features:

Holds up to 21 rotorods. Lots of extra room inside.

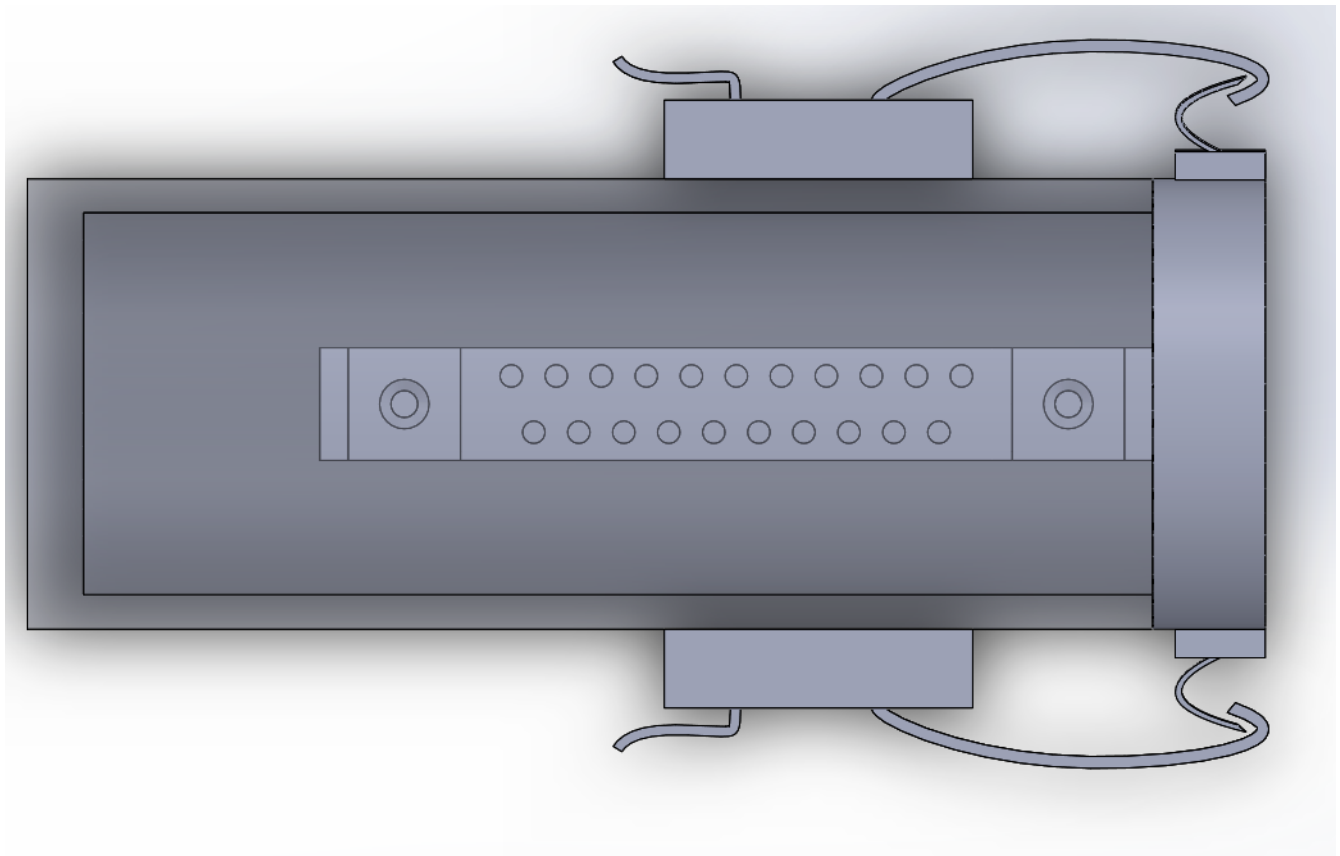
Cons:

Holder Base seems superfluous

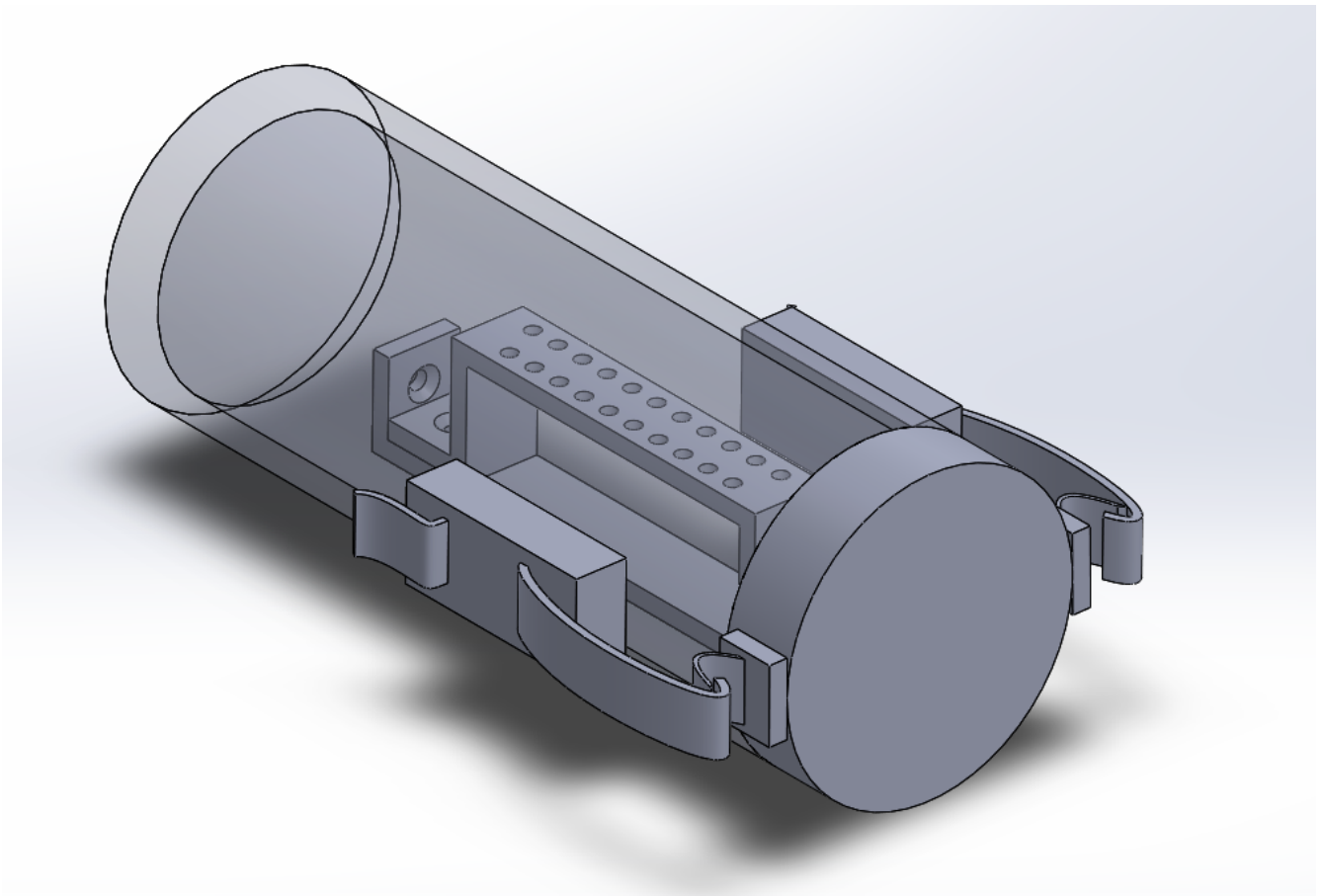
See following pages for dimensions and details

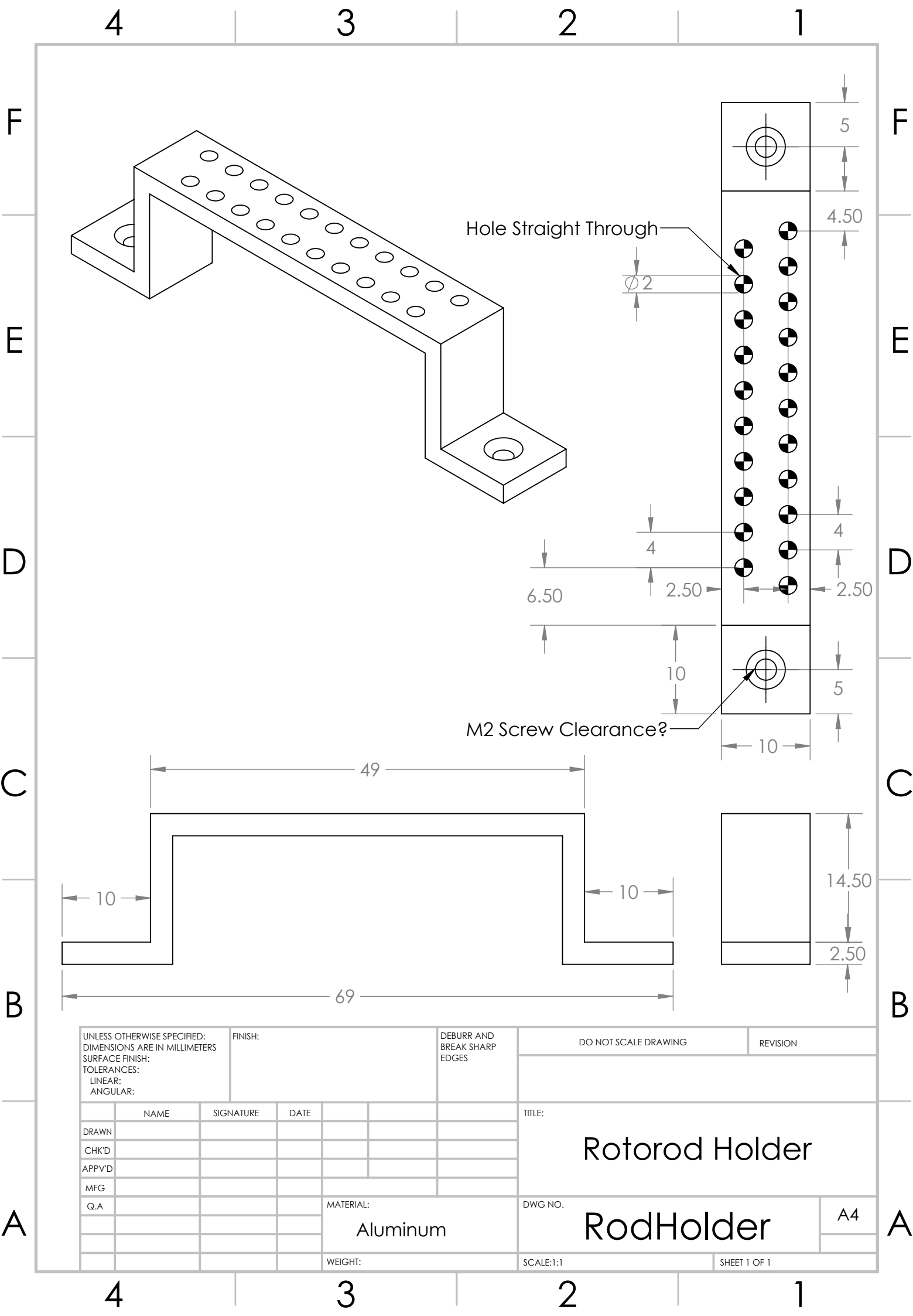


Top View:



Front View:





4

3

2

1

F

F

E

E

D

D

C

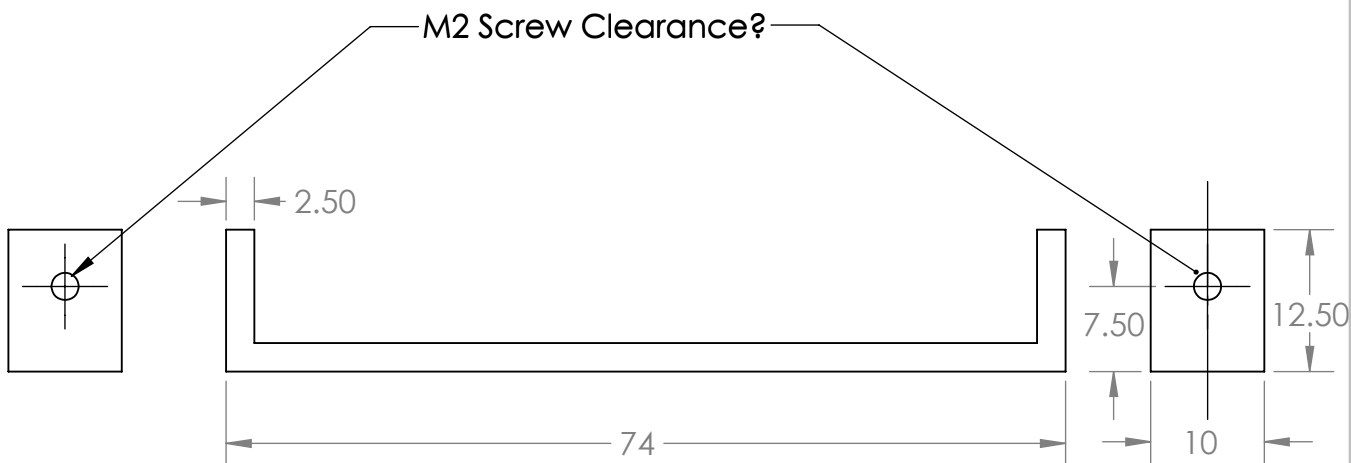
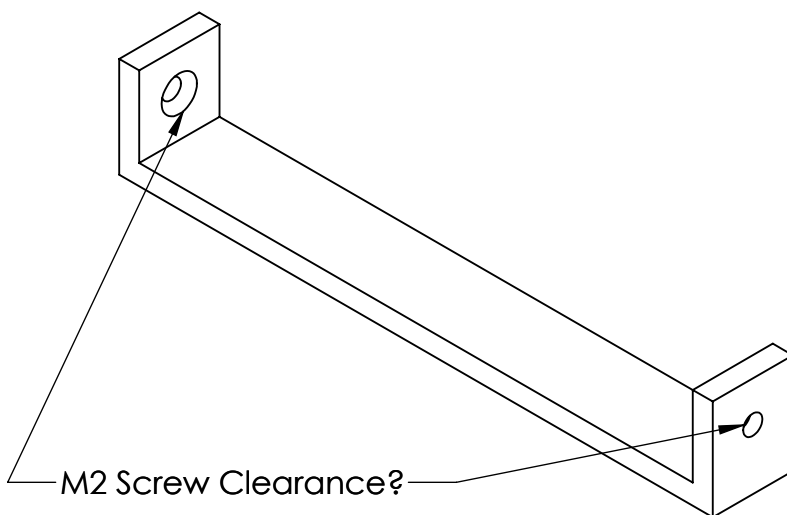
C

B

B

A

A



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
 LINEAR:
 ANGULAR:

FINISH:

DEBURR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

DRAWN
CHK'D
APPV'D
MFG
Q.A

NAME

SIGNATURE

DATE _____

TITLE:

DRAWN

CHK'D

APPV'D

MFG

Q.A

MATERIAL:

DWG NO.

HolderBase

A4

WEIGHT:

SCALE:1:1

SHEET 1 OF 1

4

3

2

1

4

3

2

1

F

F

E

E

D

D

C

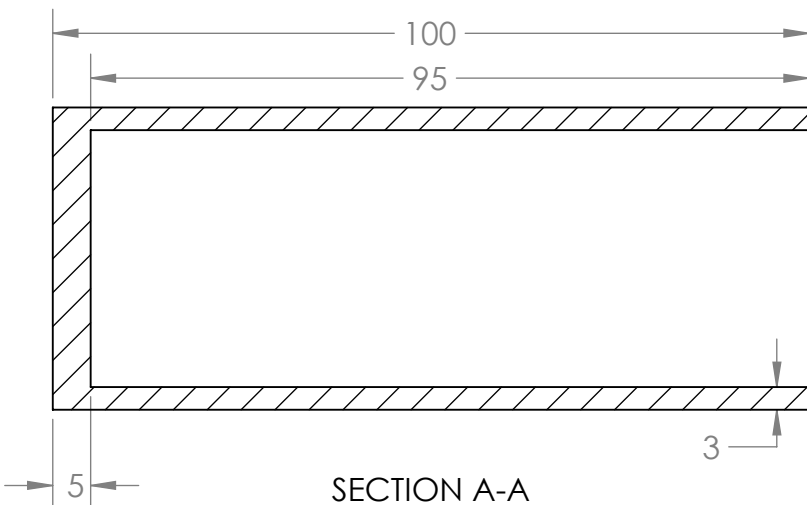
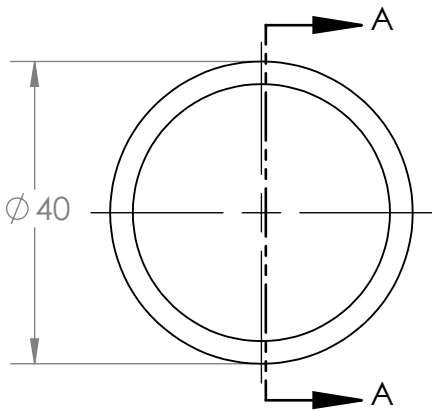
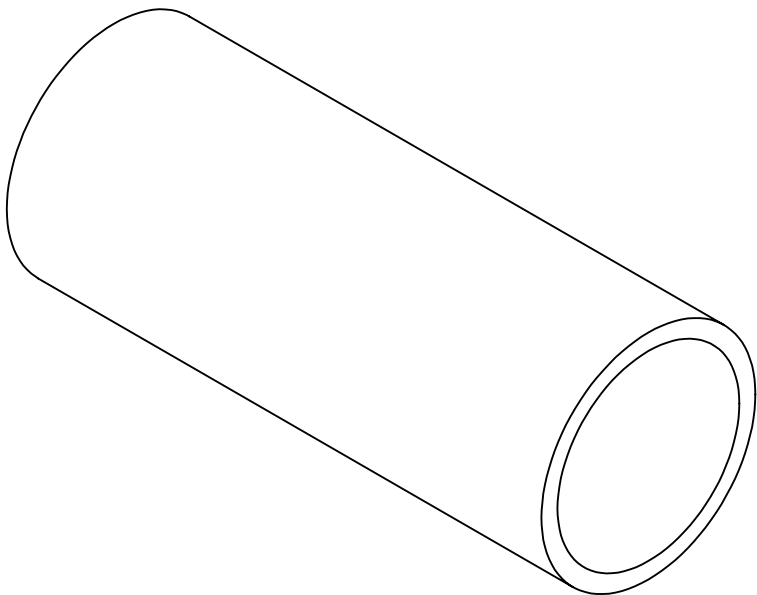
C

B

B

A

A



SECTION A-A
SCALE 1 : 1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBURR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

	NAME	SIGNATURE	DATE			
DRAWN						
CHK'D						
APPV'D						
MFG						
Q.A						

MATERIAL:

Aluminum

WEIGHT:

TITLE:

Sample Chamber

DWG NO.

SampleChamber A4

SCALE:1:2

SHEET 1 OF 1

4

3

2

1

F

F

E

E

D

D

C

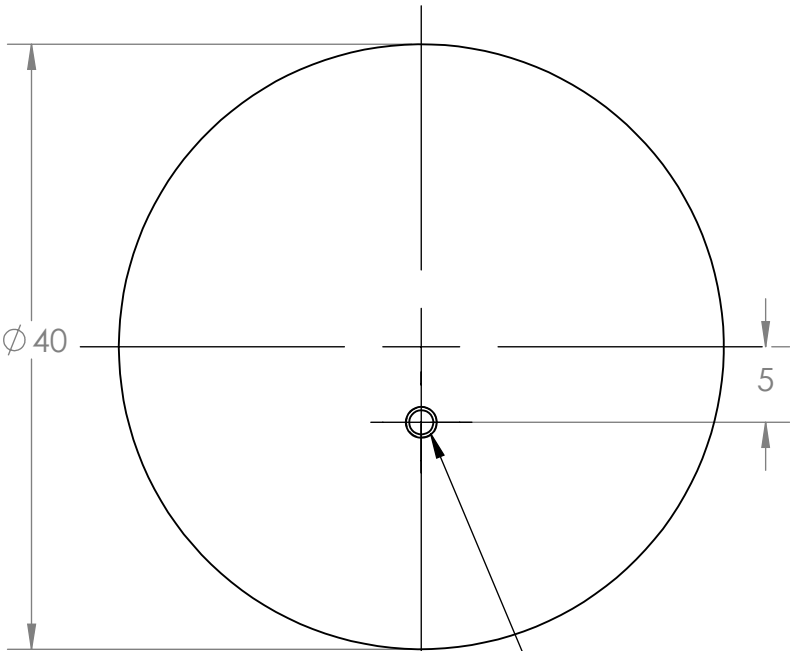
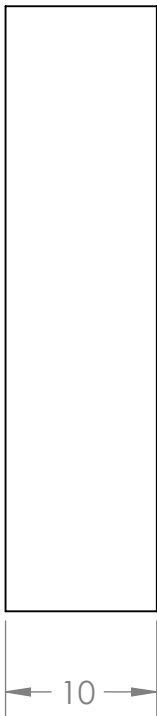
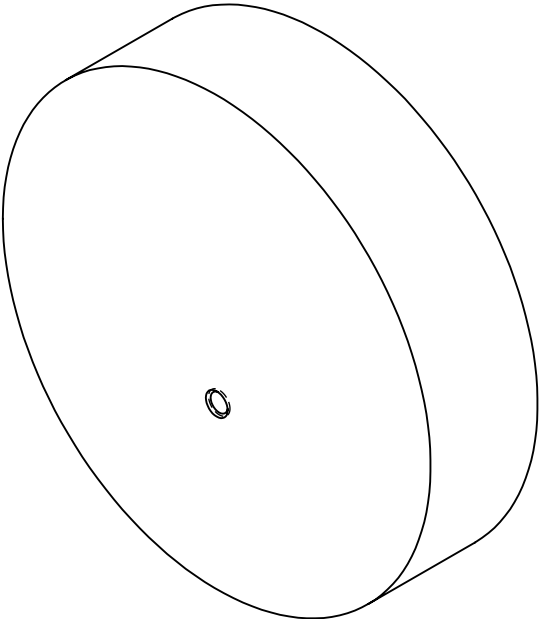
C

B

B

A

A



M2x0.4 Tapped Hole

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBURR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

	NAME	SIGNATURE	DATE			
DRAWN						
CHK'D						
APPV'D						
MFG						
Q.A						

MATERIAL:

Aluminum

WEIGHT:

TITLE:

Chamber Door

DWG NO.

ChamberDoor

A4

SCALE:2:1

SHEET 1 OF 1