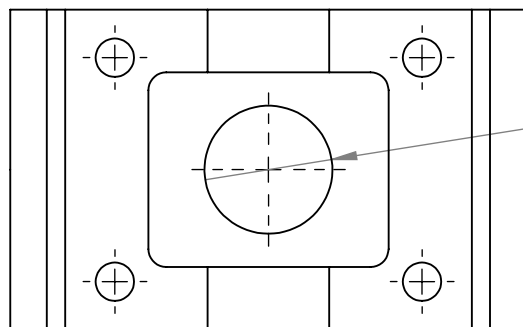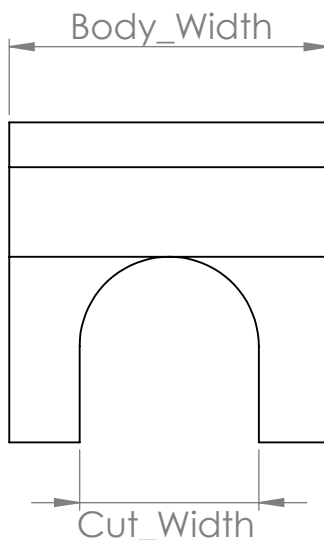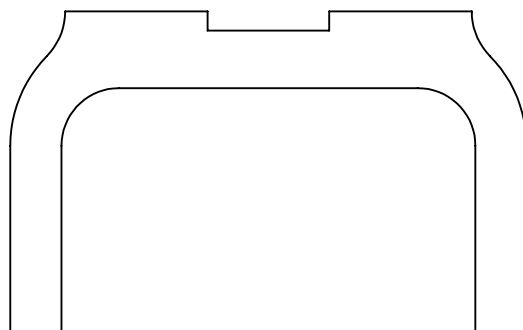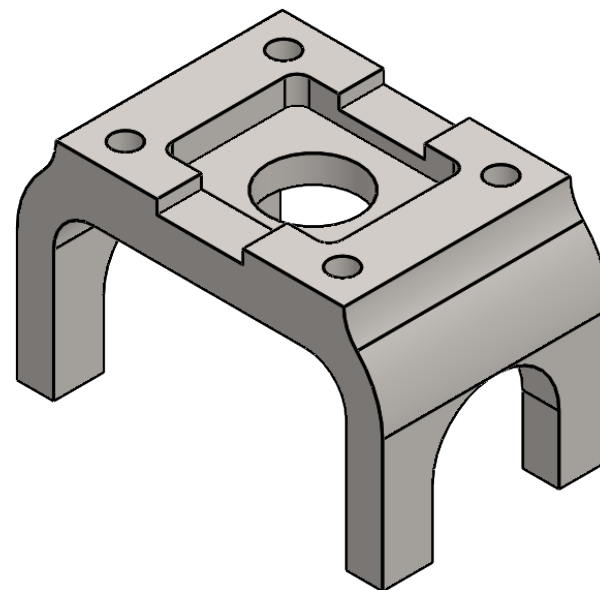B

Hole_Diameter



Body_Width

Cut_Width

**Task:**
Create the Configurations below using a design table.

|         | Body_Width | Cut_Width | Hole_Diameter |
|---------|------------|-----------|---------------|
| Default | 2.5        | 1.4       | 1             |
| A       | 3          | 1.5       | 1.5           |
| B       | 2.5        | 1         | 0.75          |
| C       | 4          | 2         | 1.75          |

| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | |
|---|---|---|---|---|---|---|
| | | DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL± ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± | DRAWN | | | TITLE: |
| | | | CHECKED | | | |
| | | | ENG APPR. | | | Ex 3 Demo |
| | | | MFG APPR. | | | Measurements in Inches |
| | | INTERPRET GEOMETRIC TOLERANCING PER: | Q.A. | | | |
| | | | COMMENTS: | | | |

**PROPRIETARY AND CONFIDENTIAL**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>.  ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

| MATERIAL | | SIZE **A** | DWG. NO. | REV |
|---|---|---|---|---|
| FINISH | | | | |
| NEXT ASSY | USED ON | | | |
| APPLICATION | DO NOT SCALE DRAWING | SCALE: 1:2 | WEIGHT: | SHEET 1 OF 4 |

B

Configuration: Defult

Configuration: A

Configuration: B

Configuration: C

B

A

| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL± ANGULAR: MACH±    BEND ± TWO PLACE DECIMAL   ± THREE PLACE DECIMAL  ± | DRAWN | | | | | | |
| | | | CHECKED | | | | | | |
| | | | ENG APPR. | | | | | | |
| | | | MFG APPR. | | | | | | |
| | | INTERPRET GEOMETRIC TOLERANCING PER: | Q.A. | | | | | | |
| | | | COMMENTS: | | | | | | |
| | | MATERIAL | | | | | | | |
| NEXT ASSY | USED ON | FINISH | | | | | | | |
| APPLICATION | | DO NOT SCALE DRAWING | | | | | | | |

TITLE:

# Ex 3 Demo
Measurements in Inches

SIZE **A**

DWG. NO.

REV

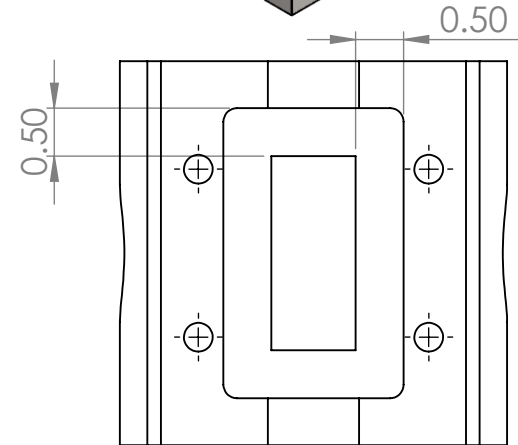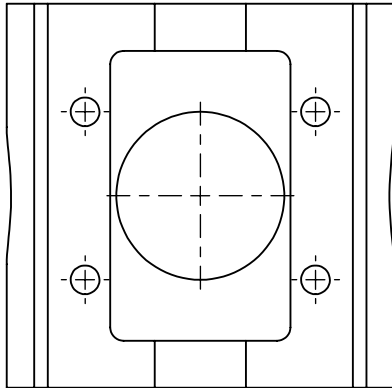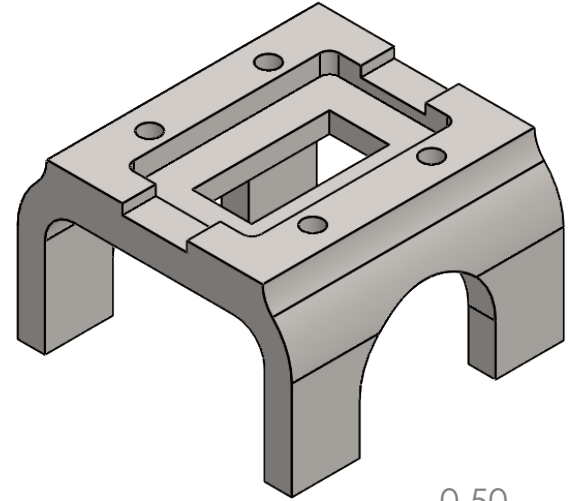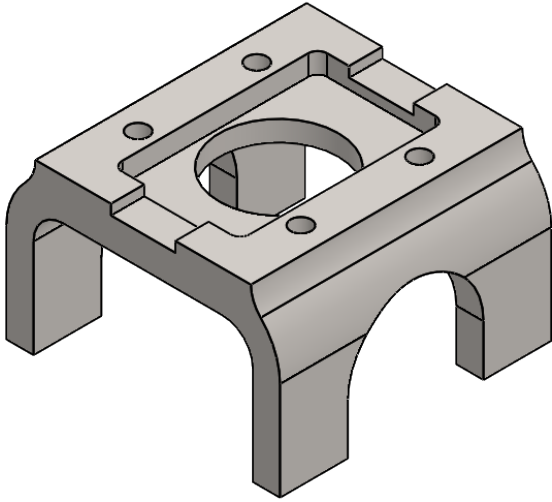SCALE: 1:2  WEIGHT:          SHEET 2 OF 4

A

**Configuration C**

**Configuration C_2**

**Task:**
Create Configuration C_2 from Configuration C.

(by Changing the circular hole in the middle to a rectangular hole with the shown dimensions)

0.50

0.50

| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | | | |
|---|---|---|---|---|---|---|---|---|
| | | DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL± ANGULAR: MACH±   BEND ± TWO PLACE DECIMAL   ± THREE PLACE DECIMAL  ± | DRAWN | | | TITLE: | | |
| | | | CHECKED | | | | | |
| | | | ENG APPR. | | | **Ex 3 Demo** Measurements in Inches | | |
| | | | MFG APPR. | | | | | |
| | | INTERPRET GEOMETRIC TOLERANCING PER: | Q.A. | | | | | |
| | | | COMMENTS: | | | | | |
| | | MATERIAL | | | | SIZE **A** | DWG. NO. | REV |
| NEXT ASSY | USED ON | FINISH | | | | | | |
| | APPLICATION | | DO NOT SCALE DRAWING | | | SCALE: 1:2 | WEIGHT: | SHEET 3 OF 4 |

B

**Configuration B**

Material: Plain Carbon Steel

**Configuration B_AISI 304**

Material: AISI 304

B
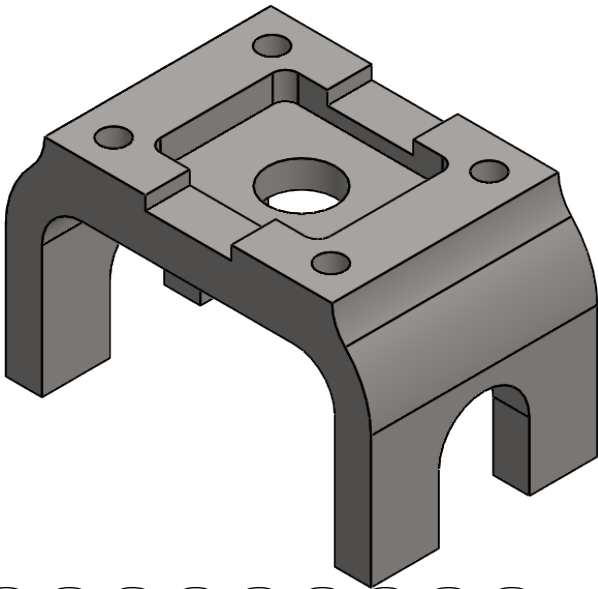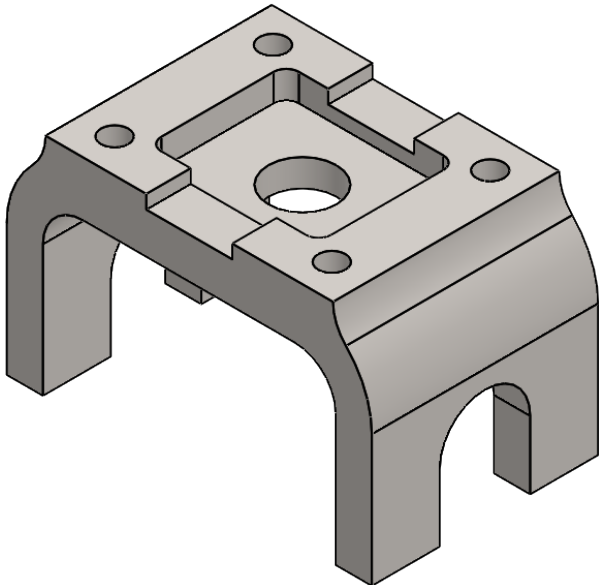
**Task:**
Create Configuration B_AISI 304 from Configuratoin B by changing the material from Plain Carbon Steel to AISI 304.

| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | | | |
|---|---|---|---|---|---|---|---|---|
| | | DIMENSIONS ARE IN INCHES | DRAWN | | | | | |
| | | TOLERANCES: FRACTIONAL± | CHECKED | | | TITLE: | | |
| | | ANGULAR: MACH±   BEND ± TWO PLACE DECIMAL   ± THREE PLACE DECIMAL   ± | ENG APPR. | | | | | |
| | | | MFG APPR. | | | Ex 3 Demo | | |
| | | INTERPRET GEOMETRIC TOLERANCING PER: | Q.A. | | | Measurements in Inches | | |
| | | | COMMENTS: | | | | | |
| | | MATERIAL | | | | SIZE | DWG. NO. | REV |
| | | | | | | **A** | | |
| NEXT ASSY | USED ON | FINISH | | | | | | |
| APPLICATION | | DO NOT SCALE DRAWING | | | | SCALE: 1:2 | WEIGHT: | SHEET 4 OF 4 |

A