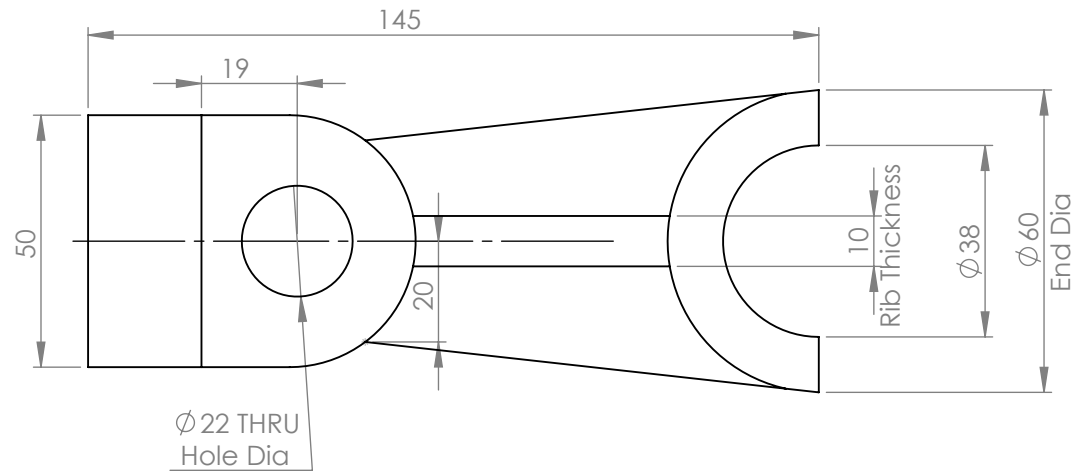
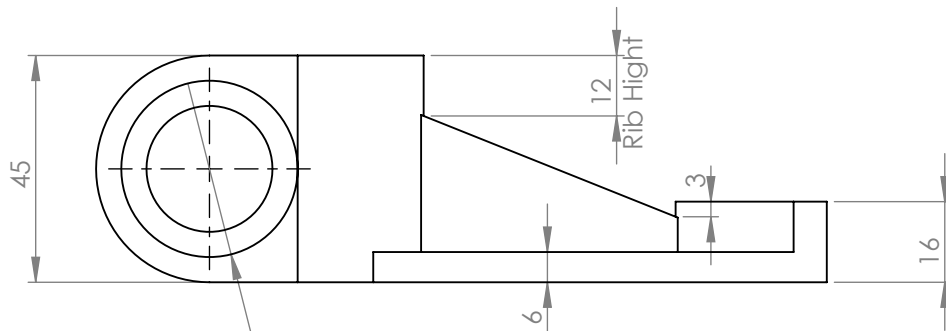
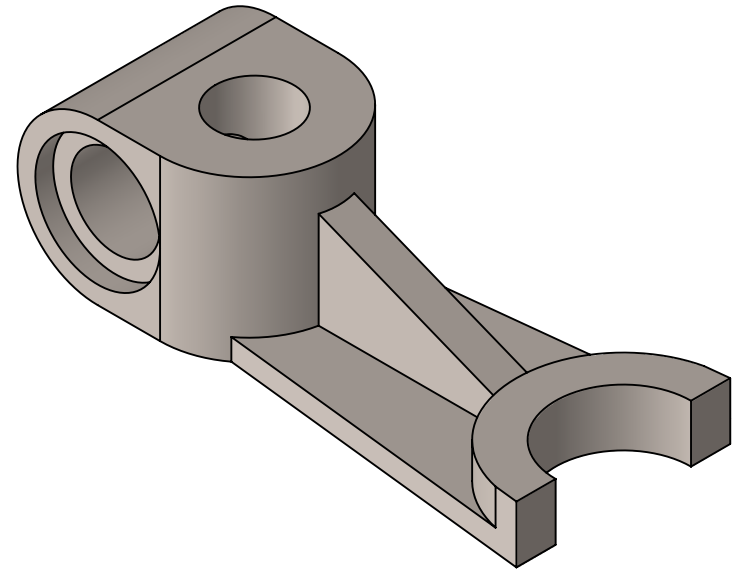


B

**Tasks:**

- 1- Model the drawing.
- 2- Find the mass in grams.
- 3- Create configurations A, B, C using a design table.
- 4- Create configurations B-2 out of configuration B.
- 5- Find the mass in grams for Configuration B-2.

B



A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <div>Ex. 4.1</div> <div>Measurements in MM</div>		
		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.			SIZE    DWG. NO.    REV <div>A</div>		
		MATERIAL	COMMENTS:  "In theory there is no difference between theory and practice. In practice there is" Yogi Berra					
		<b>Alloy Steel</b>						
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:1.5    WEIGHT: 915.59g    SHEET 1 OF 3					

2

1

A

2

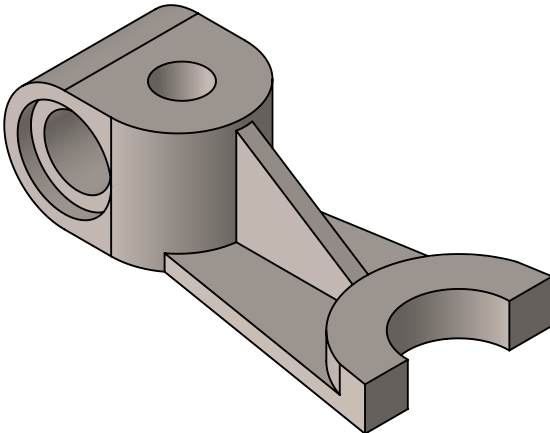
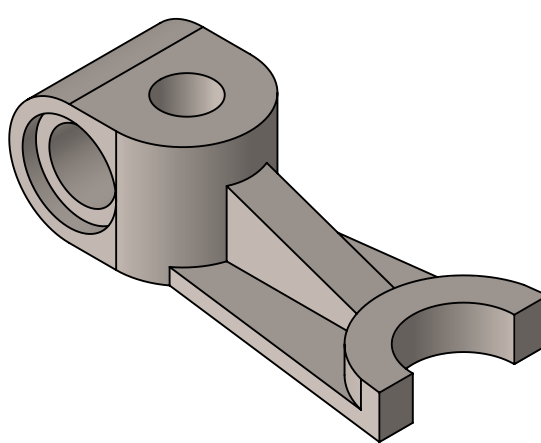
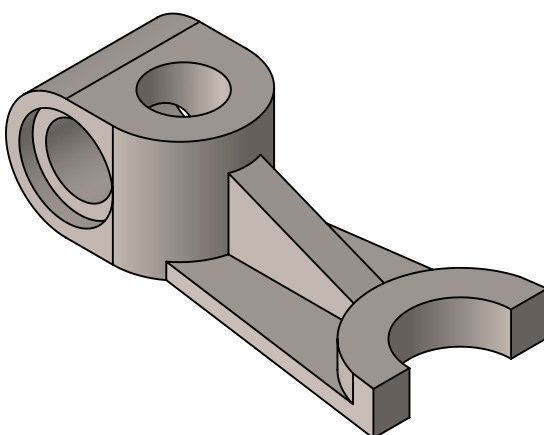
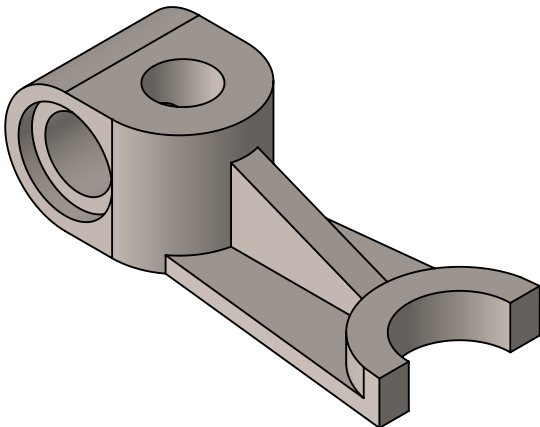
1

Configuration: Defult

Configuration: A

Configuration: B

Configuration: C



	End Dia	Rib Hight	Hole Dia	Rib Thickness
Default	60	12	22	10
A	65	13	25	12
B	63	15	20	15
C	70	3	18	6

B

B

A

A

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

TITLE:

Ex. 4.1

Measurements in MM

SIZE

**A**

DWG. NO.

REV

SCALE: 1:2

WEIGHT:

SHEET 2 OF 3

2

1

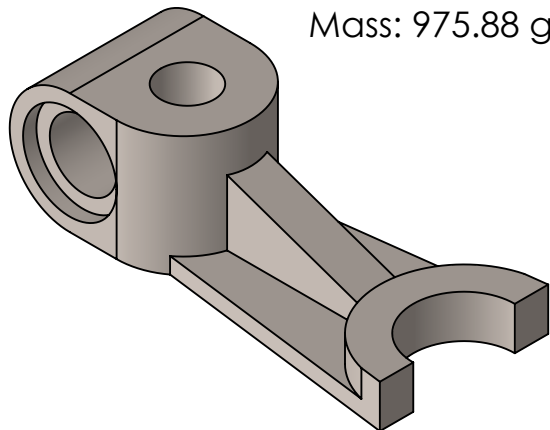
2

1

Configuration: B

Material: Alloy Steel

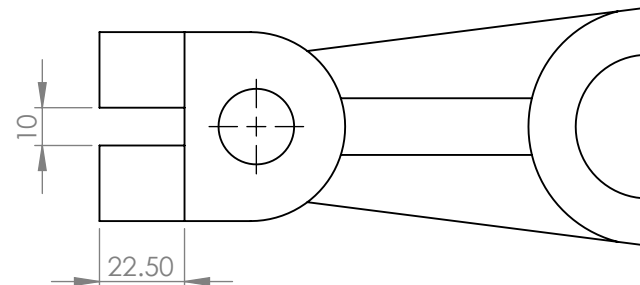
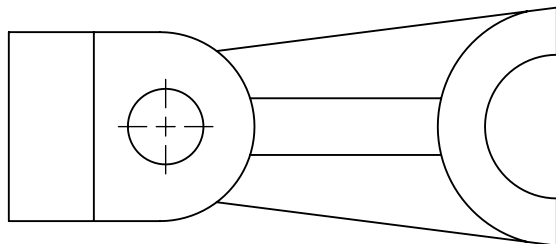
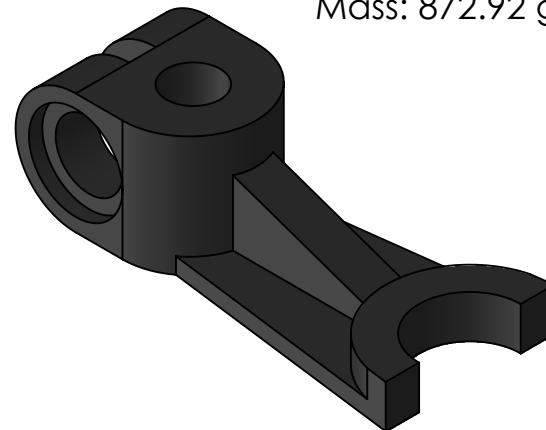
Mass: 975.88 grams



Configuration: B-2

Material: Gray Cast Iron

Mass: 872.92 grams



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>Ex. 4.1</b> Measurements in MM		
		DIMENSIONS ARE IN INCHES	DRAWN					
		TOLERANCES:	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL ±	COMMENTS:			<b>A</b>		
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:2	WEIGHT:	SHEET 3 OF 3
		MATERIAL						
		FINISH						
	NEXT ASSY	USED ON						
	APPLICATION		DO NOT SCALE DRAWING					

2

1