

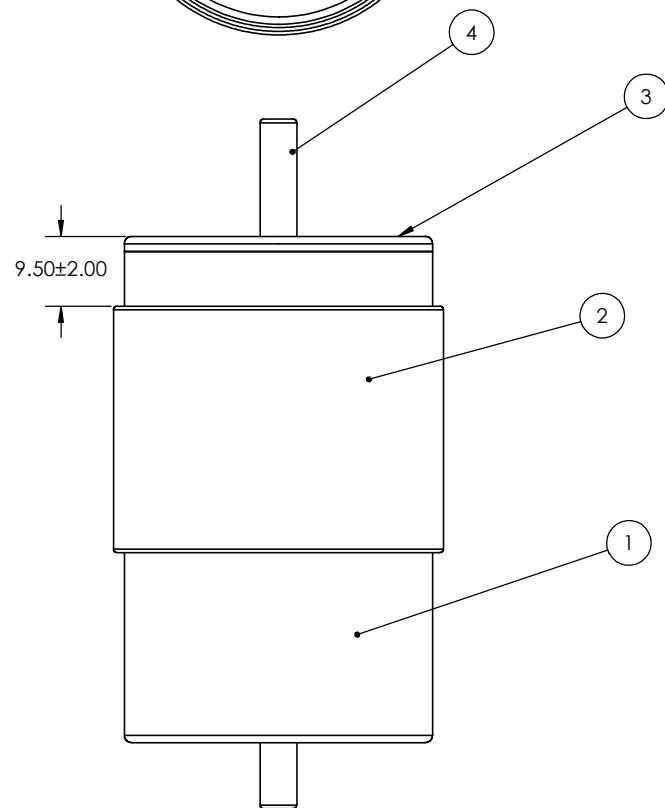
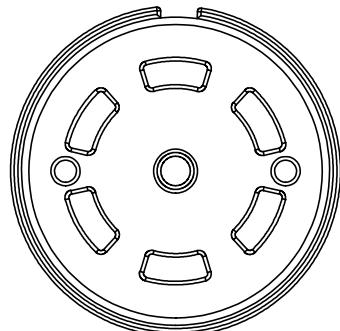
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1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Motor Housing	Main motor housing (inner case)	1
2	Outer Shell	Outer motor sleeve (press-fit)	1
3	Housing Cap		1
4	Shaft		1



NOTE: Housing, Housing Cap and outer shell are press-fit assembled. Ensure interference fit per part dimensions.



DRAWN BY: Mikiyas Haile		
TITLE:		
Motor Case		
SIZE	DWG. NO.	REV
B	1	1
SCALE: 1:5:1	SHEET 1 OF 3	

PROPRIETARY AND CONFIDENTIAL
 This drawing and the information contained herein were created solely for educational purposes as part of SAIT MNFG coursework. The geometry is based on a reverse-engineered sample component; the original manufacturer is unknown. This document does not represent official specifications of any commercial product.

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3

2

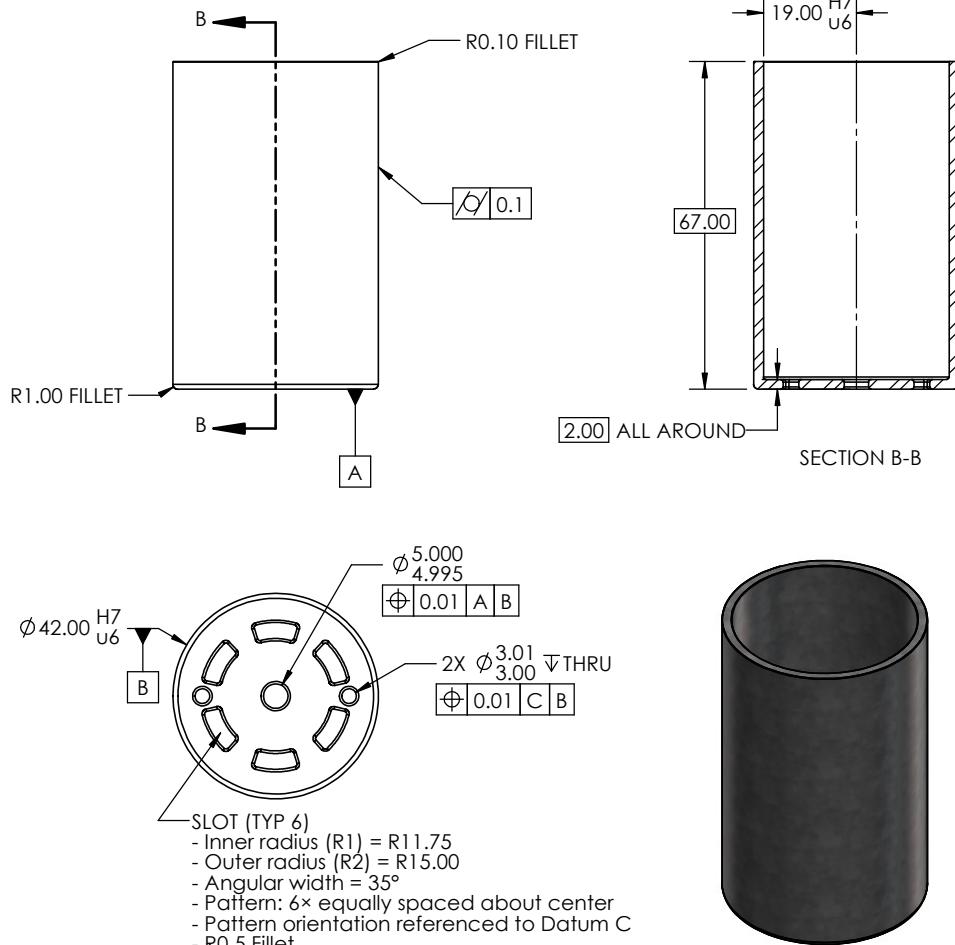
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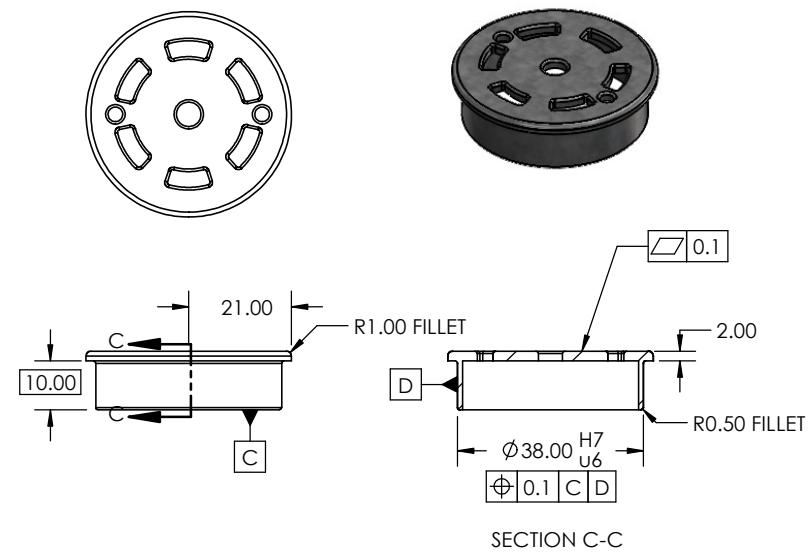
2

1


Manufacturing Process:

Deep Drawing, Progressive Die Stamping + Piercing,
CNC Machining

NOTE: The bottom face of Part A (Housing) and the top face of Part B (Cap) are identical features. All dimensions and GD&T specified for this face apply equally to both parts.



MATERIAL: Galvanized Steel	DRAWN BY: Mikiyas Haile	
DIMENSIONS ARE IN MMS. INTERPRET GEOMETRIC TOLERANCING AS PER: Y14.5		TITLE:
Motor Housing		
SIZE	DWG. NO.	REV
B	1	3
SCALE: 1:4		SHEET 2 OF 3

4

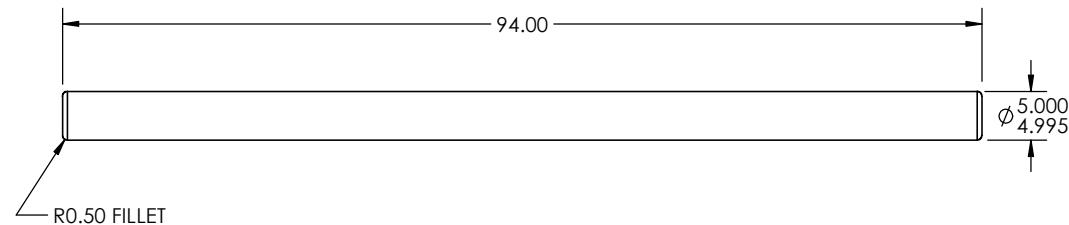
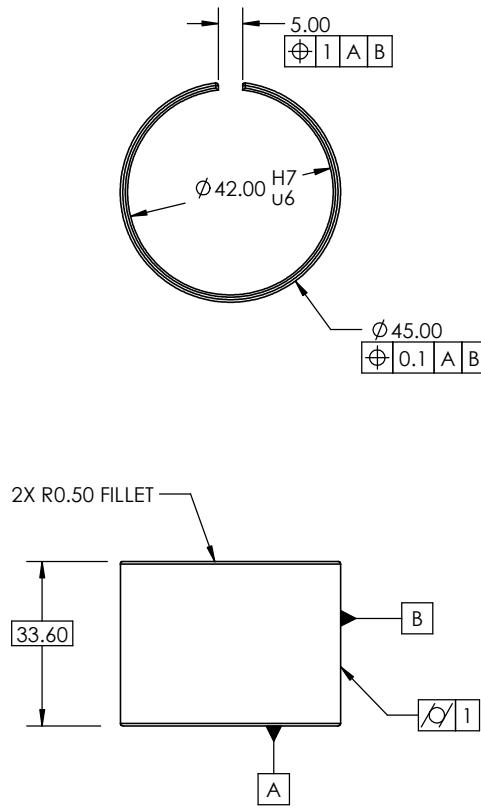
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2

1

B

B



Shaft
Material: High-Carbon Steel
Manufacturing Process:
 Lathe Machining

Outer Shell
Material: Galvanized Steel

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MATERIAL: SPECIFIED IN NOTES	DRAWN BY: Mikiyas Haile		
TITLE:			Outer Shell & Shaft
SIZE DWG. NO. REV			1 1
B	1	1	
SCALE: 1:5:1			SHEET 3 OF 3

4

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2

1