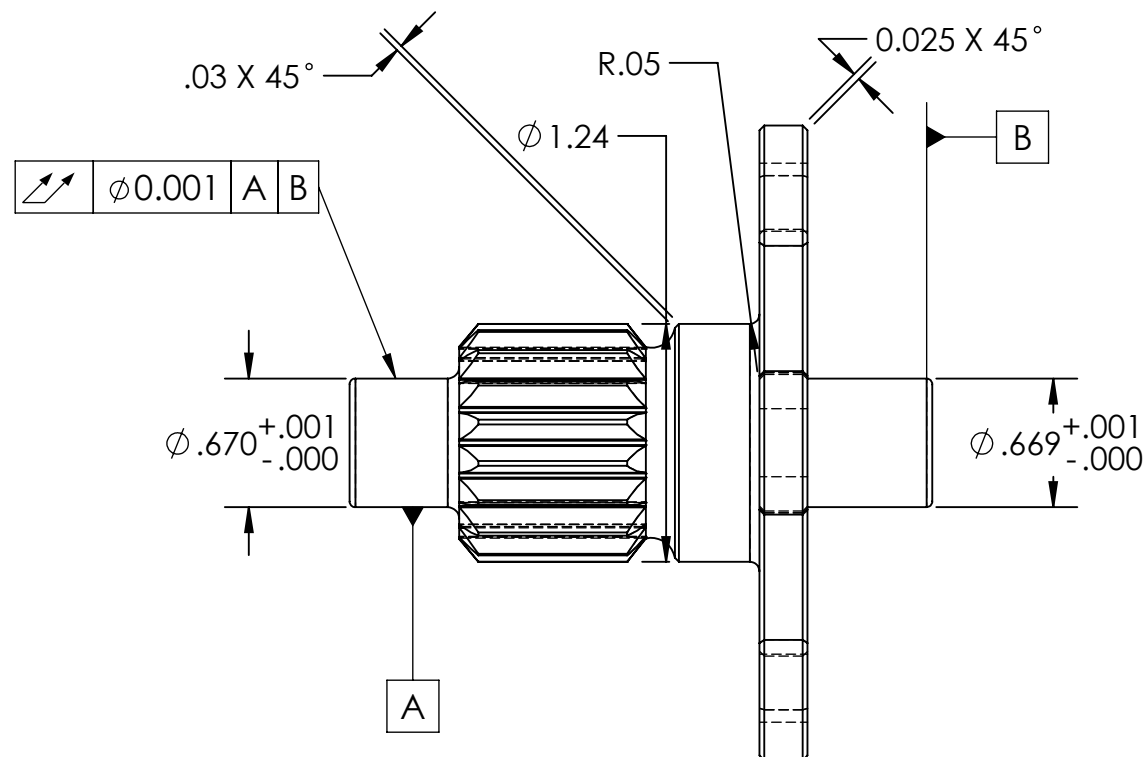
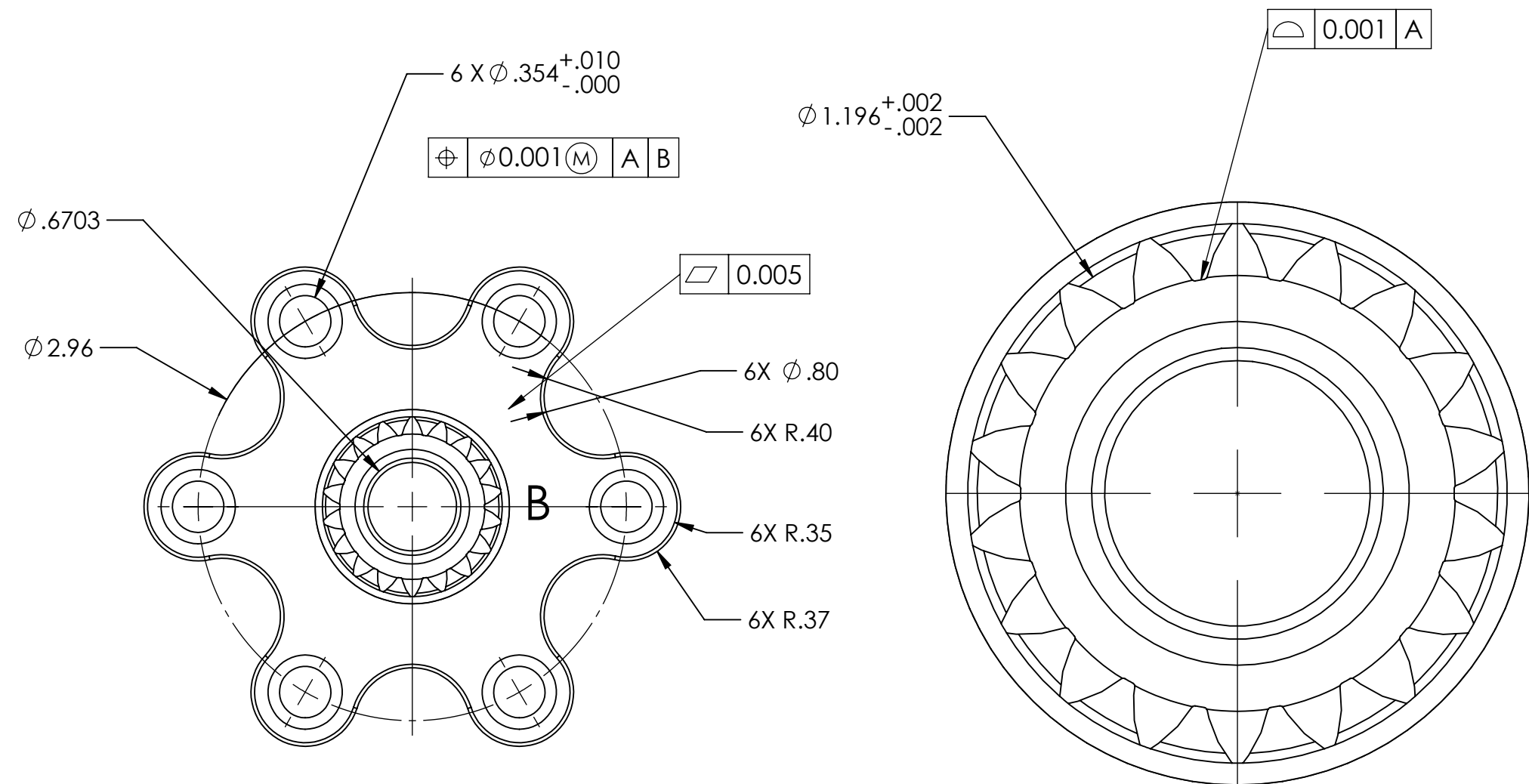
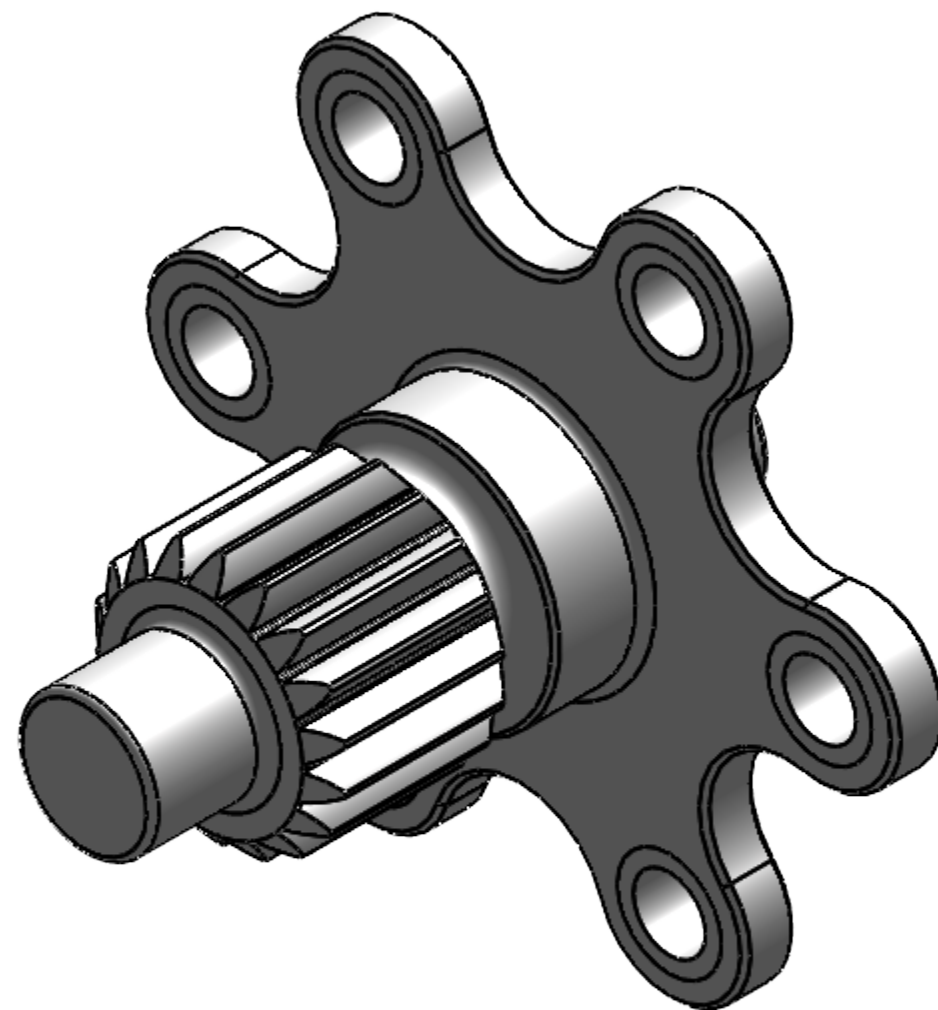


Involute Splines	
Number of Teeth	18
Pressure Angle	30
Base Diameter	1.06
Pitch Diameter	1.12
Major Diameter	1.24
Form Diameter	1.08
Minor Diameter	1.00
Circular Space Width for Teeth	



DETAIL B

SCALE 3 : 1

NOTES (UNLESS OTHERWISE SPECIFIED):

1. ALL NON-DIMENSIONED PART FEATURES ARE TO BE TAKEN FROM THE SOLID MODEL.
2. 0.01 in MAX CHAMFER
3. INTERNAL AND EXTERNAL RADII 0.01 in MAX.
4. PARTS TO BE BURR FREE

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
FORMULA RACING AT UC DAVIS. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
FORMULA RACING AT UC DAVIS IS
PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME		DATE		<h1>FORMULA RACING</h1> <h2>AT UC DAVIS</h2>			
		DIMENSIONS ARE IN INCHES TOLERANCES		DRAWN		Anthony Castellanos					
		(UNLESS OTHERWISE SPECIFIED): FRACTIONAL: 1/32		CHECKED				TITLE:			
		ANGULAR: MACH ± 1° BEND ± 3°		ENG APPR.				EN-00021-AC- Motor Shaft, Involute Splines			
		TWO PLACE DECIMAL ±0.01		MFG APPR.							
		THREE PLACE DECIMAL ±0.005		Q.A.							
		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5		COMMENTS:							
		MATERIAL						SIZE		DWG. NO.	REV
		4140 Steel						C			
NEXT ASSY		USED ON		FINISH							
APPLICATION		DO NOT SCALE DRAWING						SCALE: 1:1		WEIGHT:	SHEET 1 OF 1