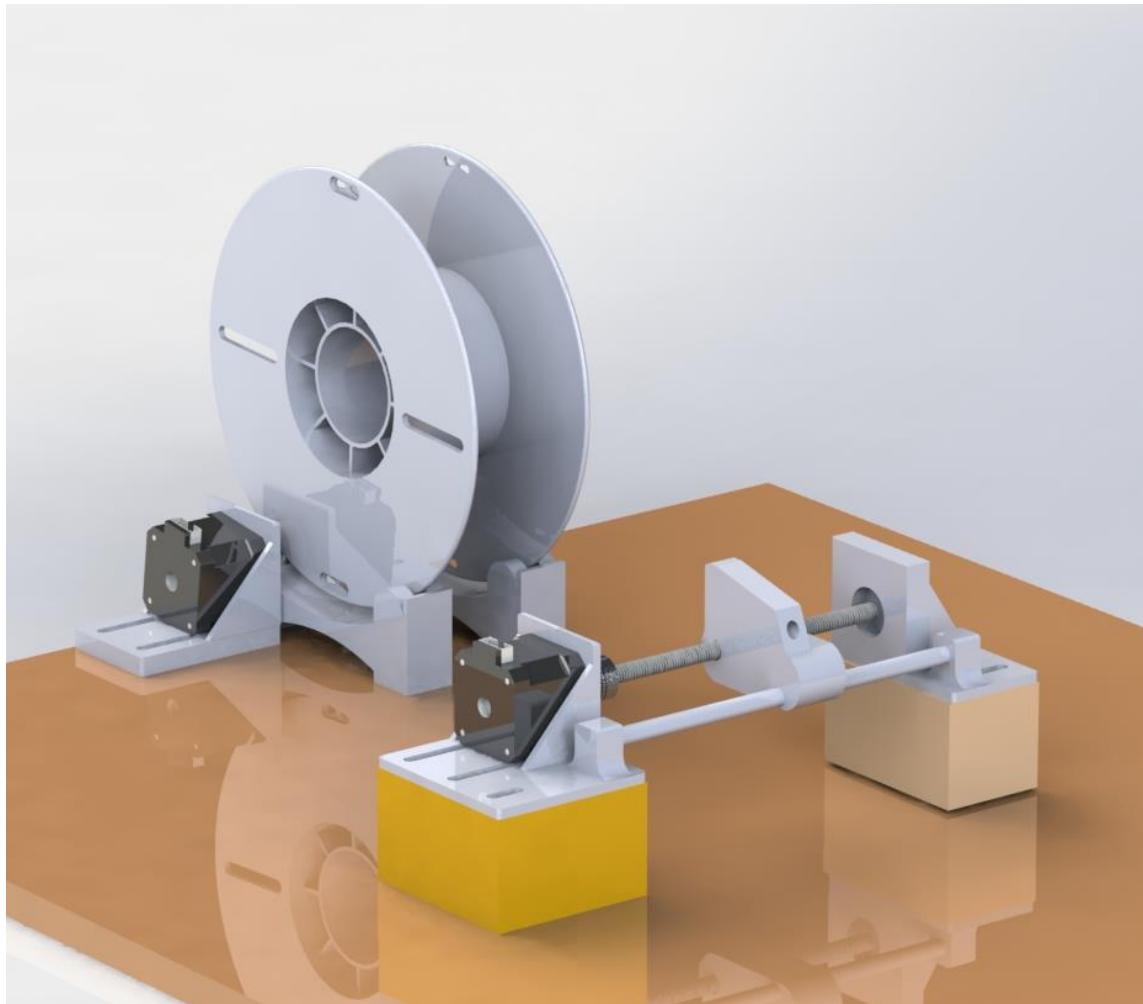


Engineering Drawings for: ***Spooling Subsystem***

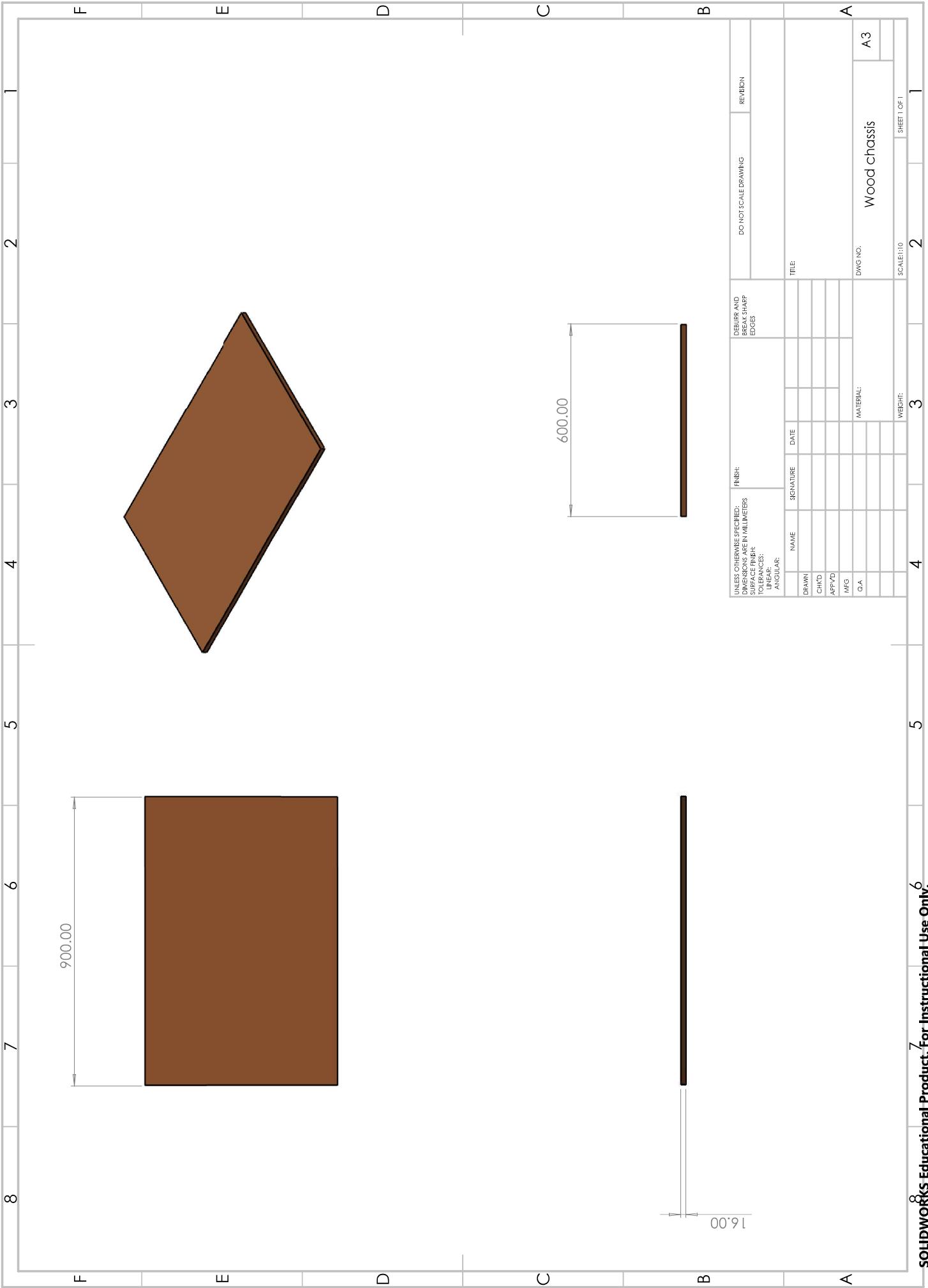
Filament Spooling Team

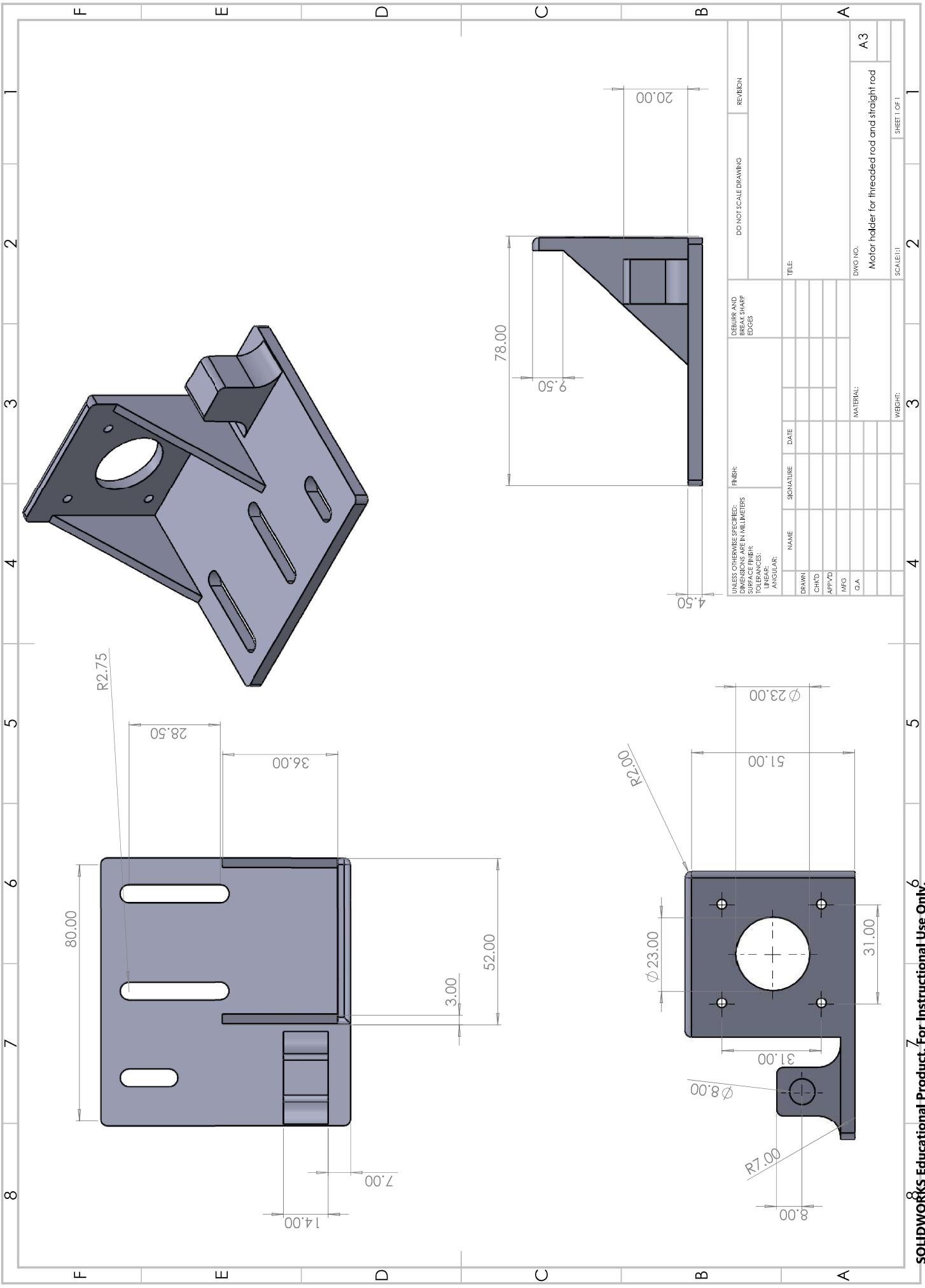
University of Technology Sydney

for 43019 Design in Mechanical and Mechatronic Systems - Autumn 2024

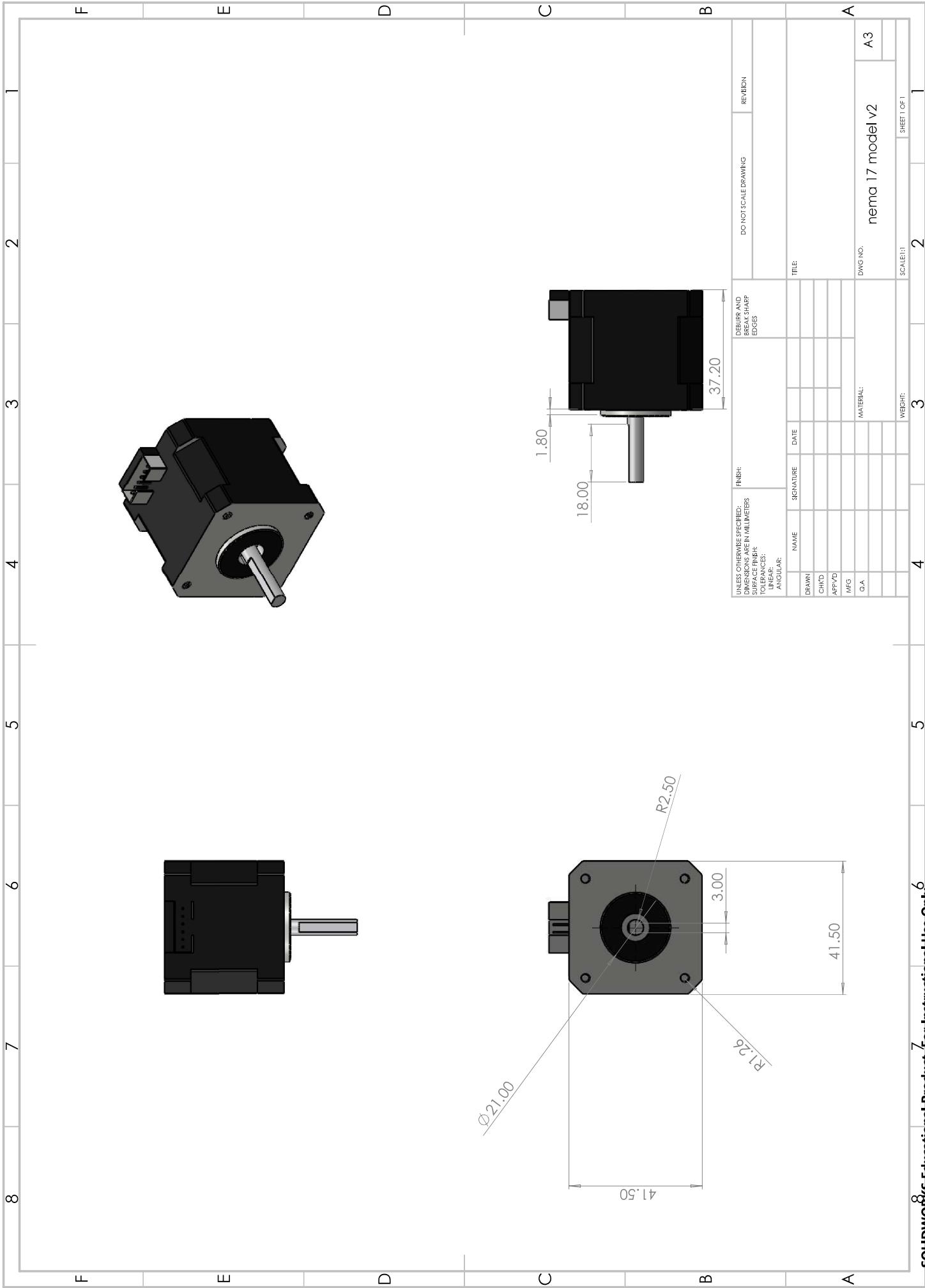


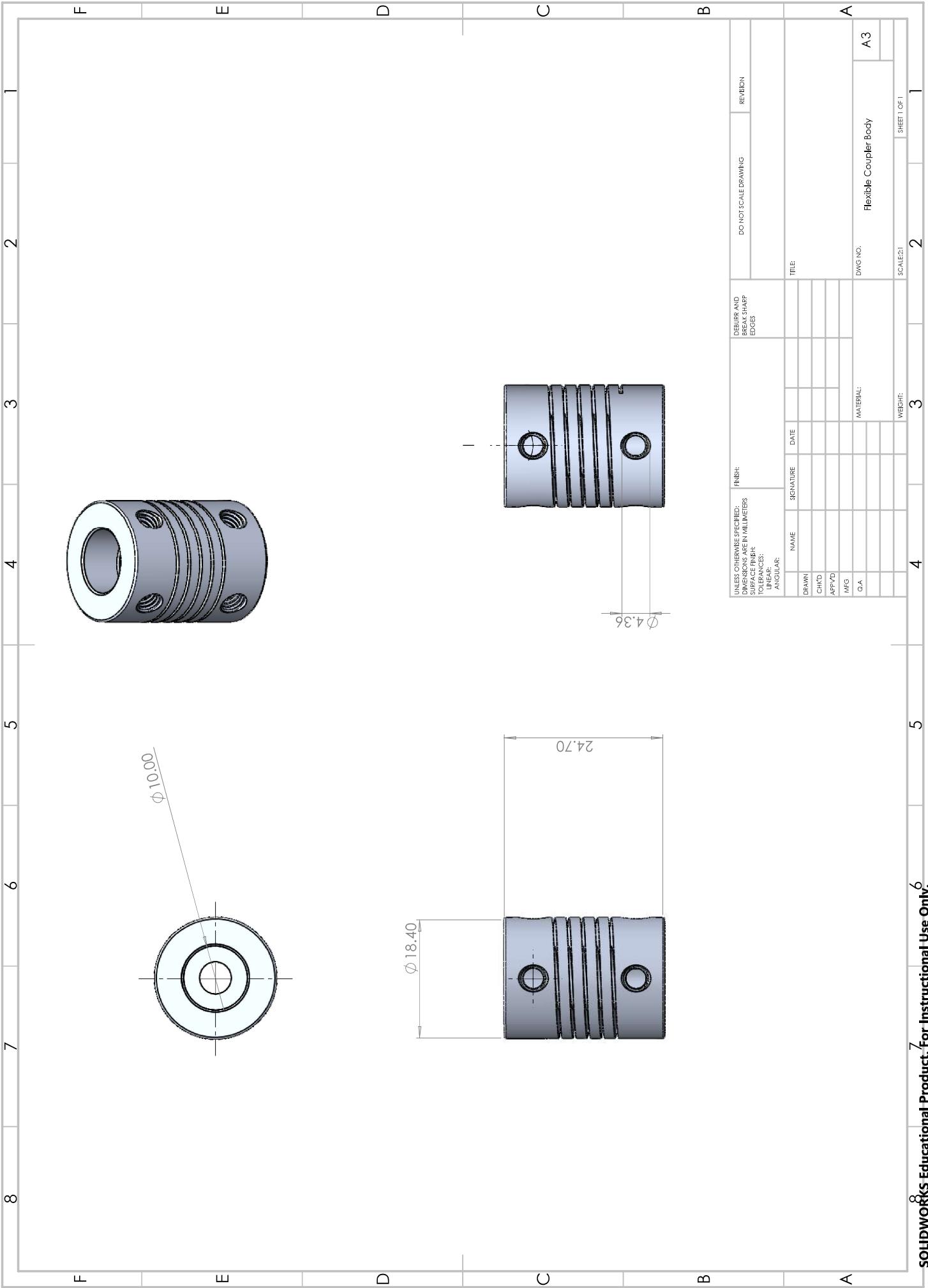
Design and Drawings: Jonathan Harris

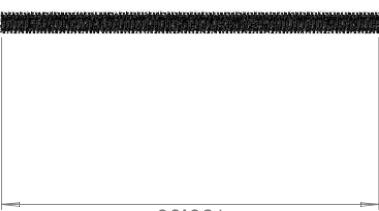


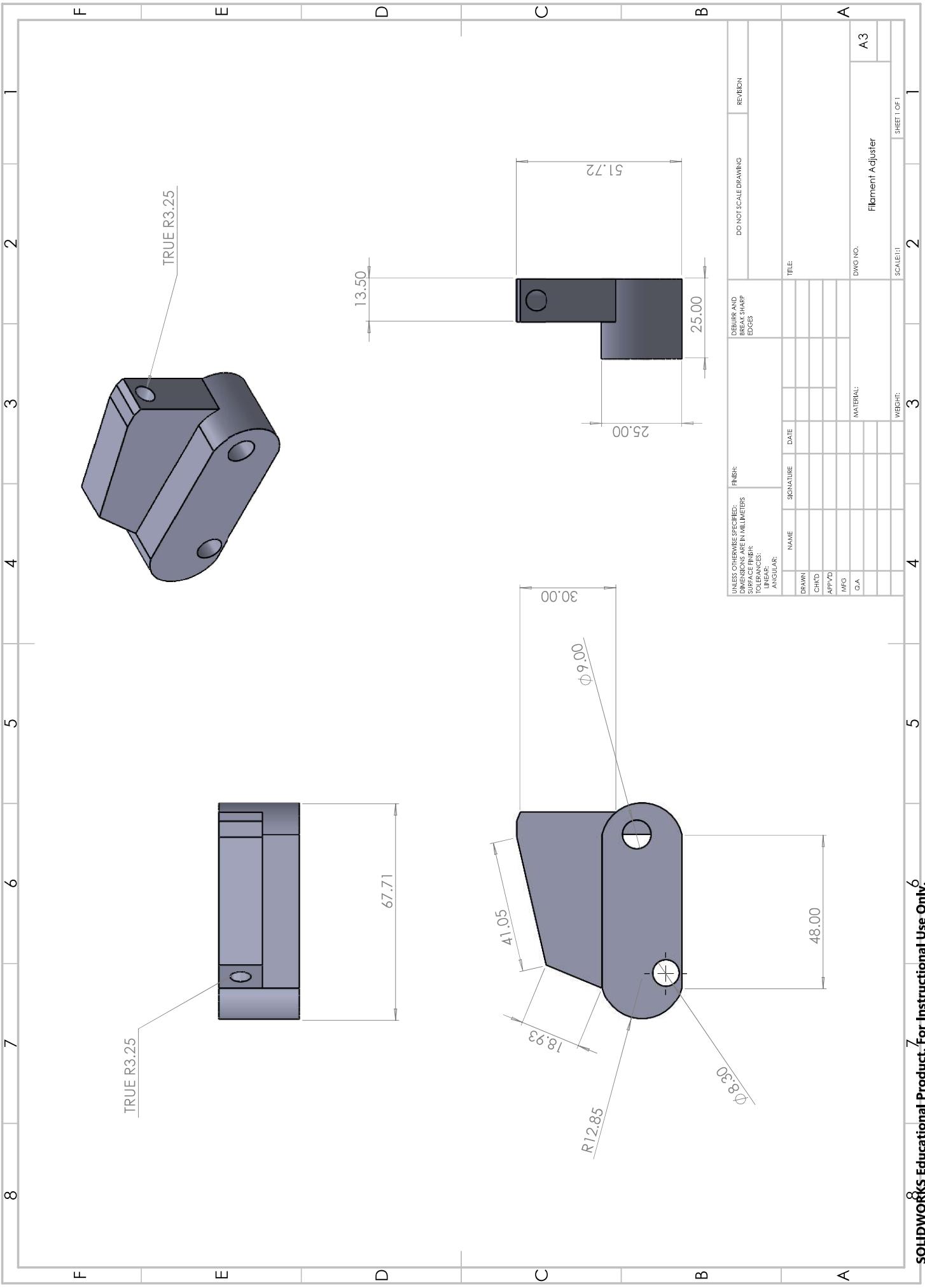


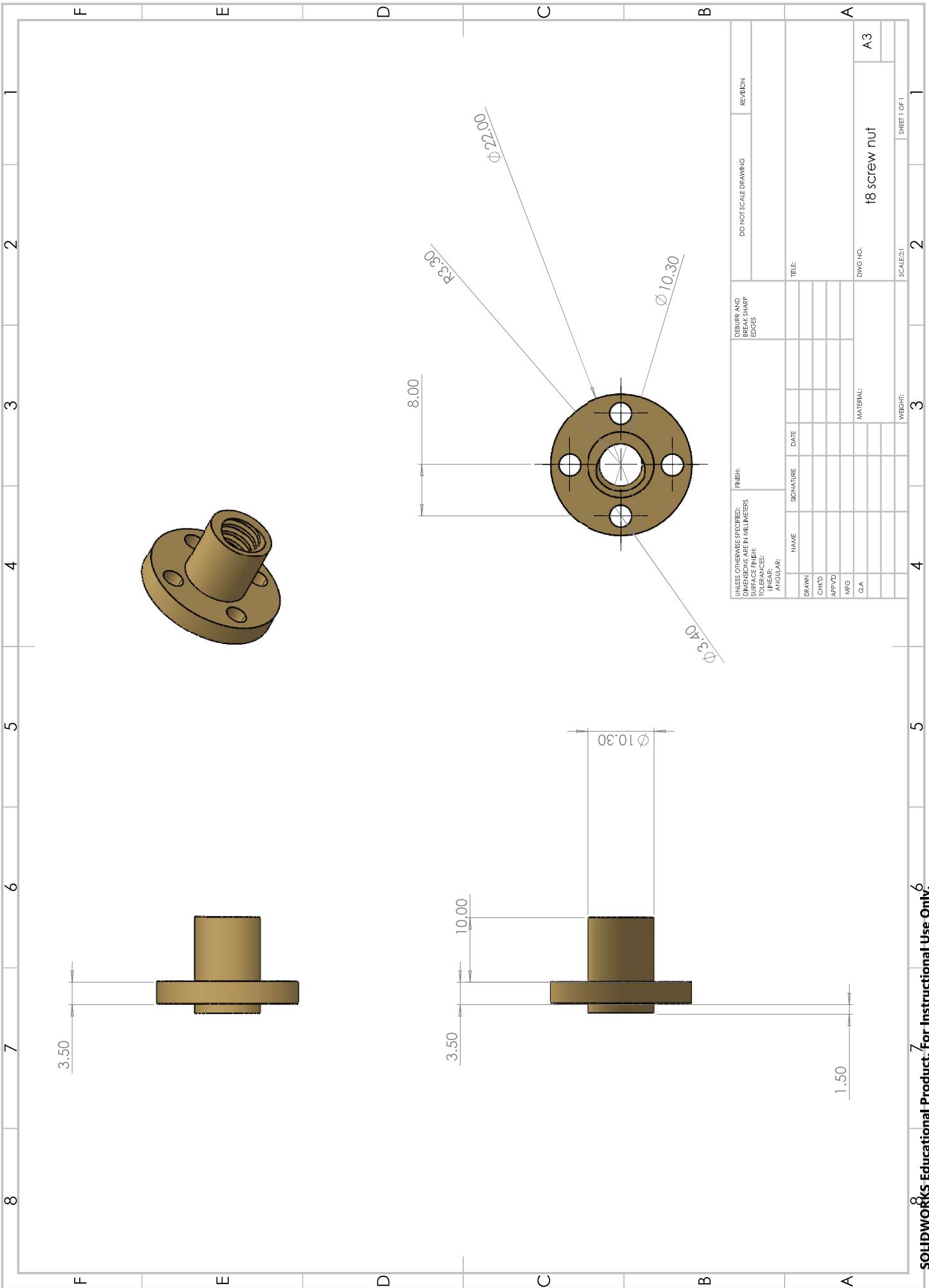
SOLIDWORKS Educational Product. For Instructional Use Only.

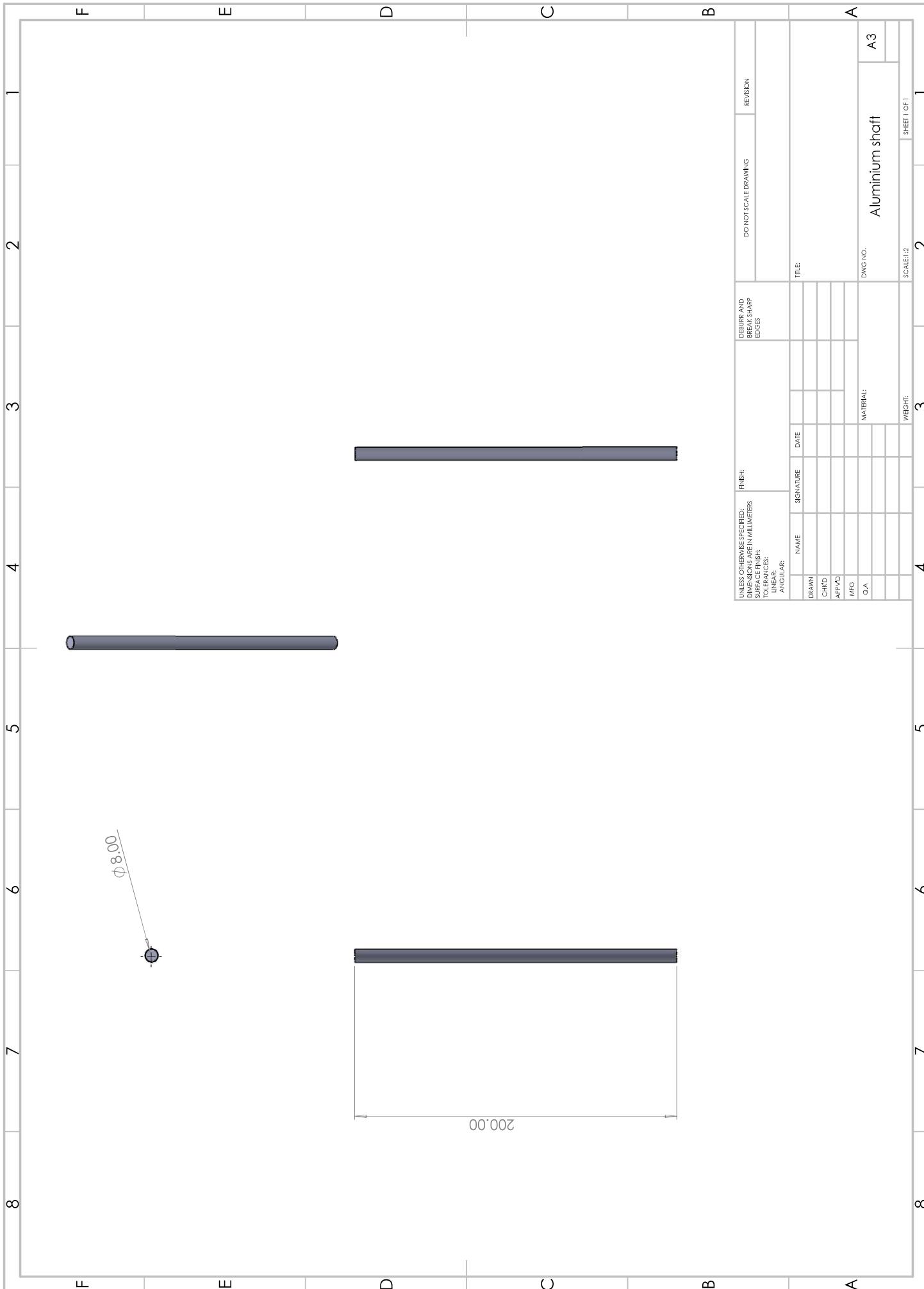




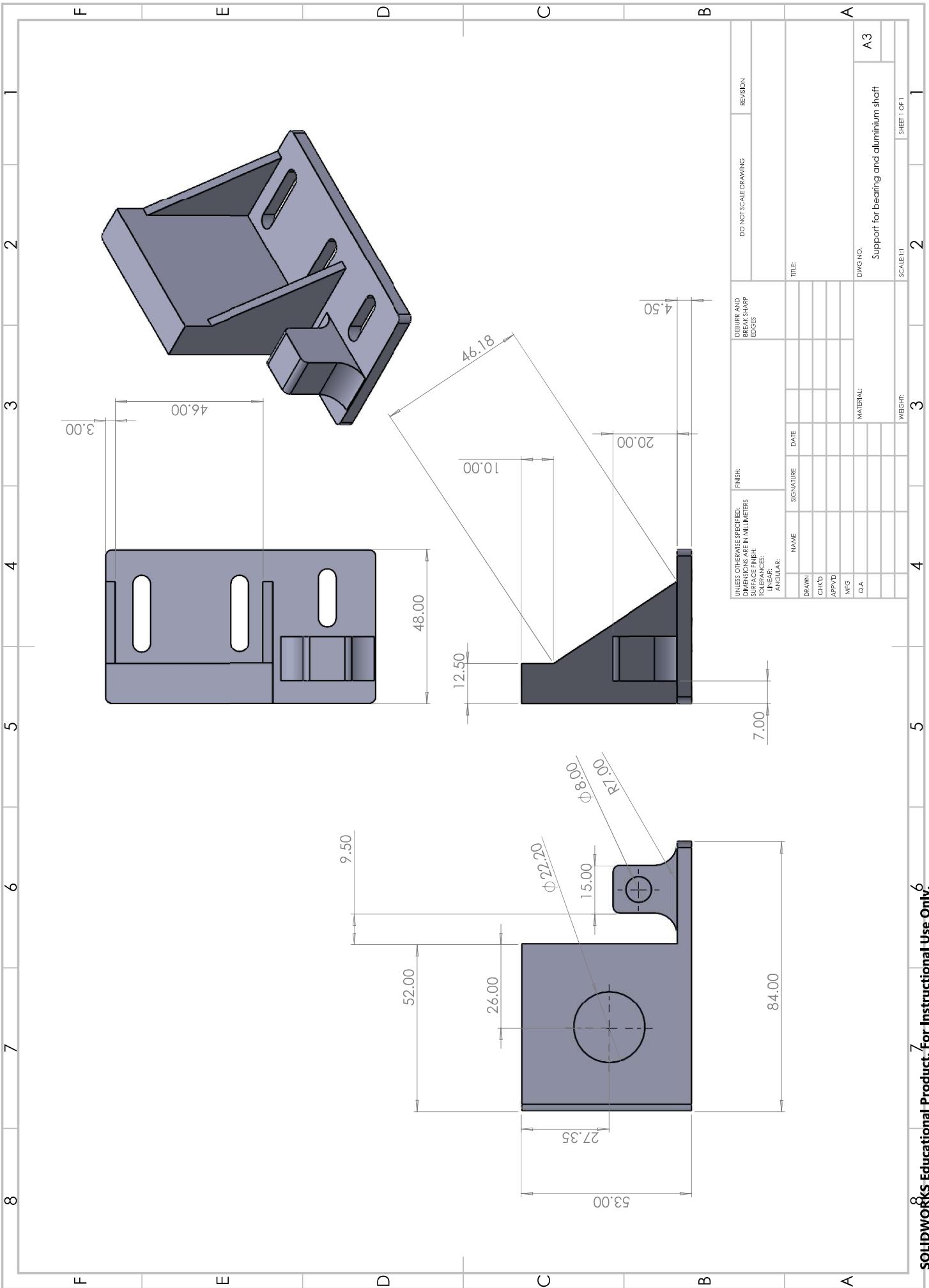
F	E	D	C	B	A																																																																																																
1																																																																																																					
2																																																																																																					
3																																																																																																					
4																																																																																																					
5																																																																																																					
6																																																																																																					
7																																																																																																					
8																																																																																																					
F	E	D	C	B	A																																																																																																
150.00																																																																																																					
																																																																																																					
																																																																																																					
																																																																																																					
<table border="1"><tr><td colspan="3">UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:</td><td>FINISH: DEBUR AND BREAK SHARP EDGES</td><td>DO NOT SCALE DRAWING</td><td>REVISION</td></tr><tr><td>NAME</td><td>SIGNATURE</td><td>DATE</td><td></td><td></td><td>TITLE:</td></tr><tr><td>DRAWN</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CHKD</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>APPROD</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>MFG</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>QA</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="3"></td><td>MATERIAL:</td><td>DWG NO.</td><td>T8 200mm rod</td></tr><tr><td colspan="3"></td><td>WEIGHT:</td><td>SCALE(1)</td><td>A3</td></tr><tr><td colspan="3"></td><td>2</td><td>1</td><td></td></tr><tr><td colspan="3"></td><td>3</td><td></td><td></td></tr><tr><td colspan="3"></td><td>4</td><td></td><td></td></tr><tr><td colspan="3"></td><td>5</td><td></td><td></td></tr><tr><td colspan="3"></td><td>6</td><td></td><td></td></tr><tr><td colspan="3"></td><td>7</td><td></td><td></td></tr><tr><td colspan="3"></td><td>8</td><td></td><td></td></tr></table>						UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:			FINISH: DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION	NAME	SIGNATURE	DATE			TITLE:	DRAWN						CHKD						APPROD						MFG						QA									MATERIAL:	DWG NO.	T8 200mm rod				WEIGHT:	SCALE(1)	A3				2	1					3						4						5						6						7						8		
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:			FINISH: DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION																																																																																																
NAME	SIGNATURE	DATE			TITLE:																																																																																																
DRAWN																																																																																																					
CHKD																																																																																																					
APPROD																																																																																																					
MFG																																																																																																					
QA																																																																																																					
			MATERIAL:	DWG NO.	T8 200mm rod																																																																																																
			WEIGHT:	SCALE(1)	A3																																																																																																
			2	1																																																																																																	
			3																																																																																																		
			4																																																																																																		
			5																																																																																																		
			6																																																																																																		
			7																																																																																																		
			8																																																																																																		

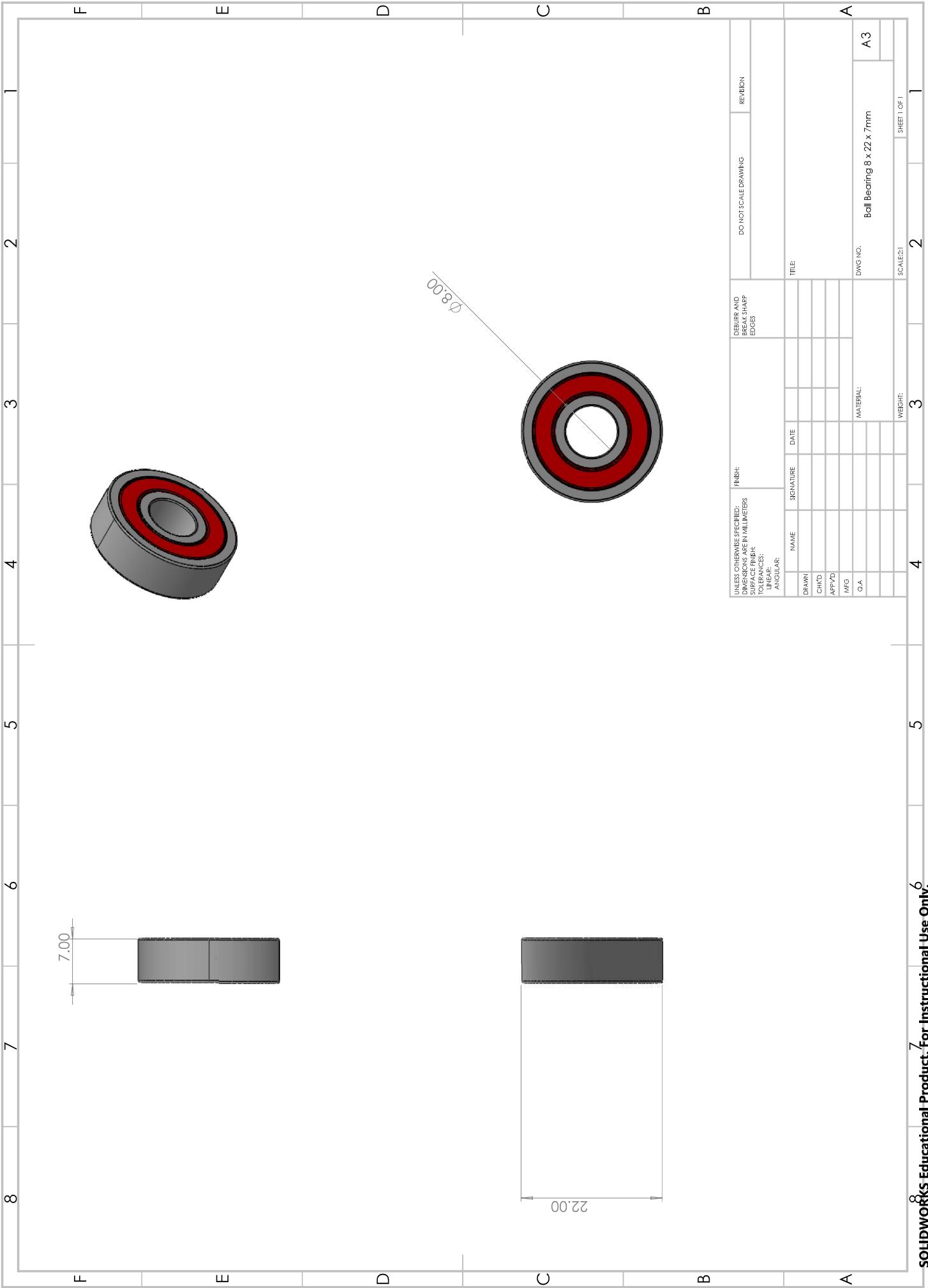


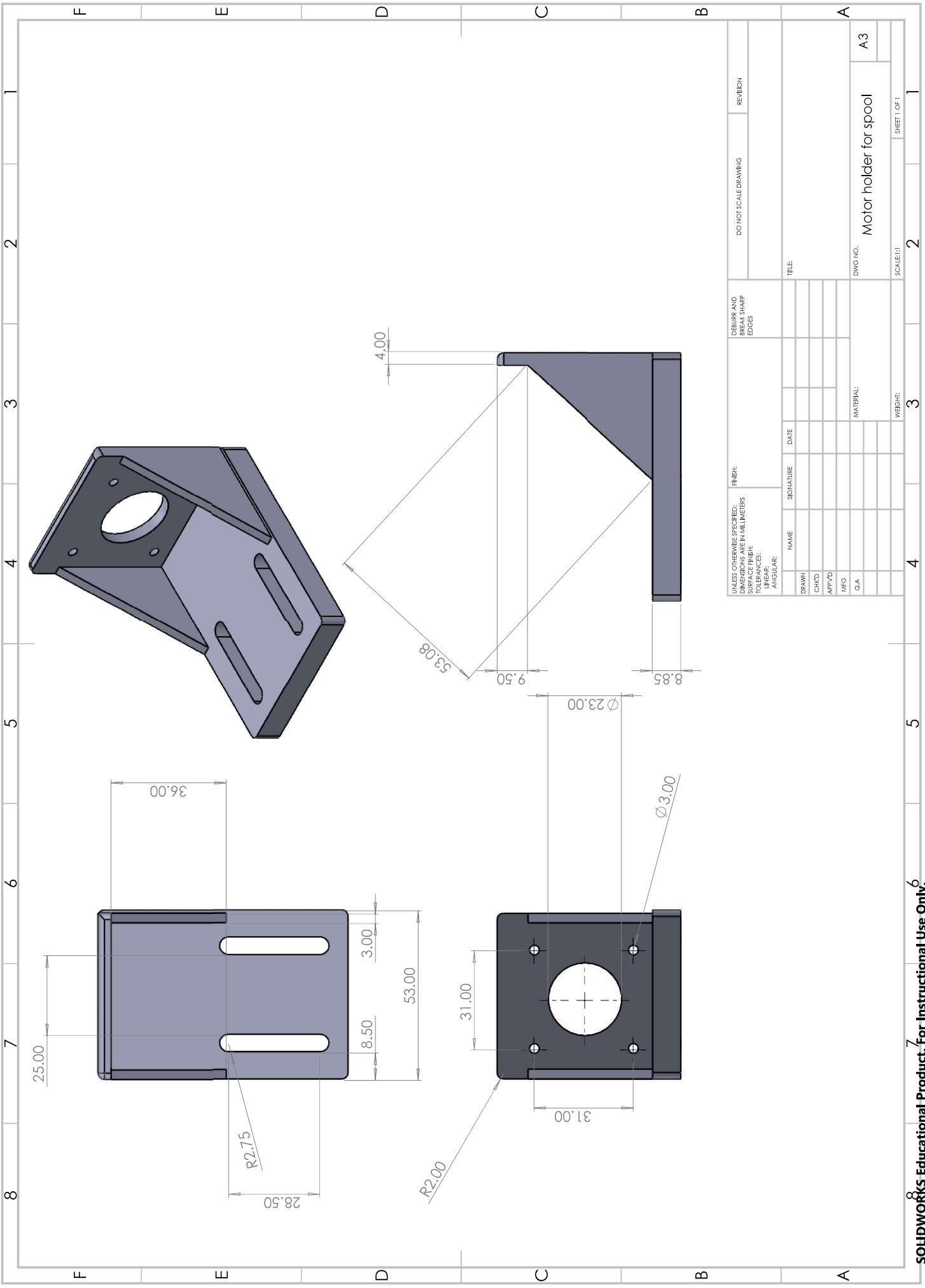


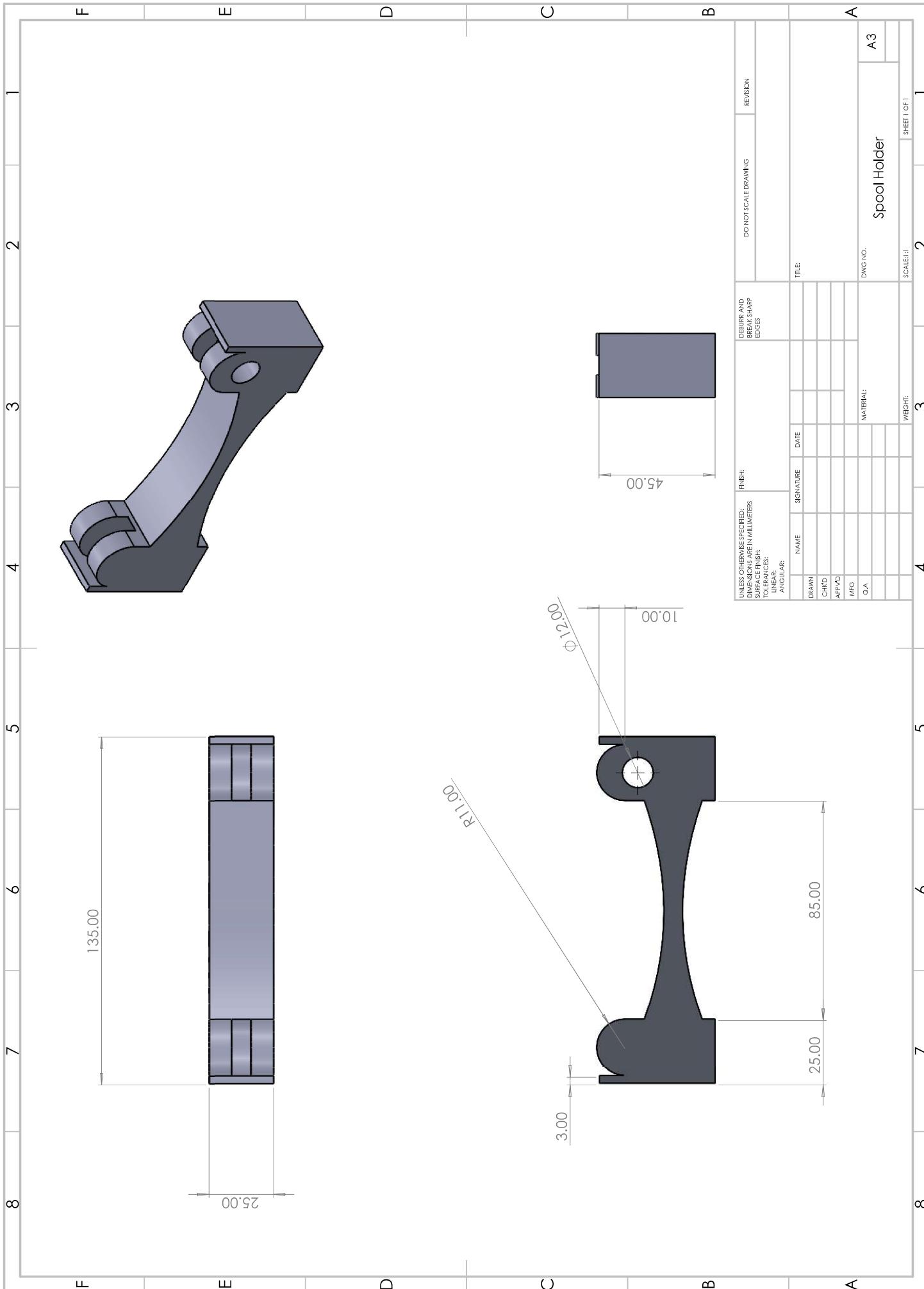


SOLIDWORKS® Educational Product. For Instructional Use Only.

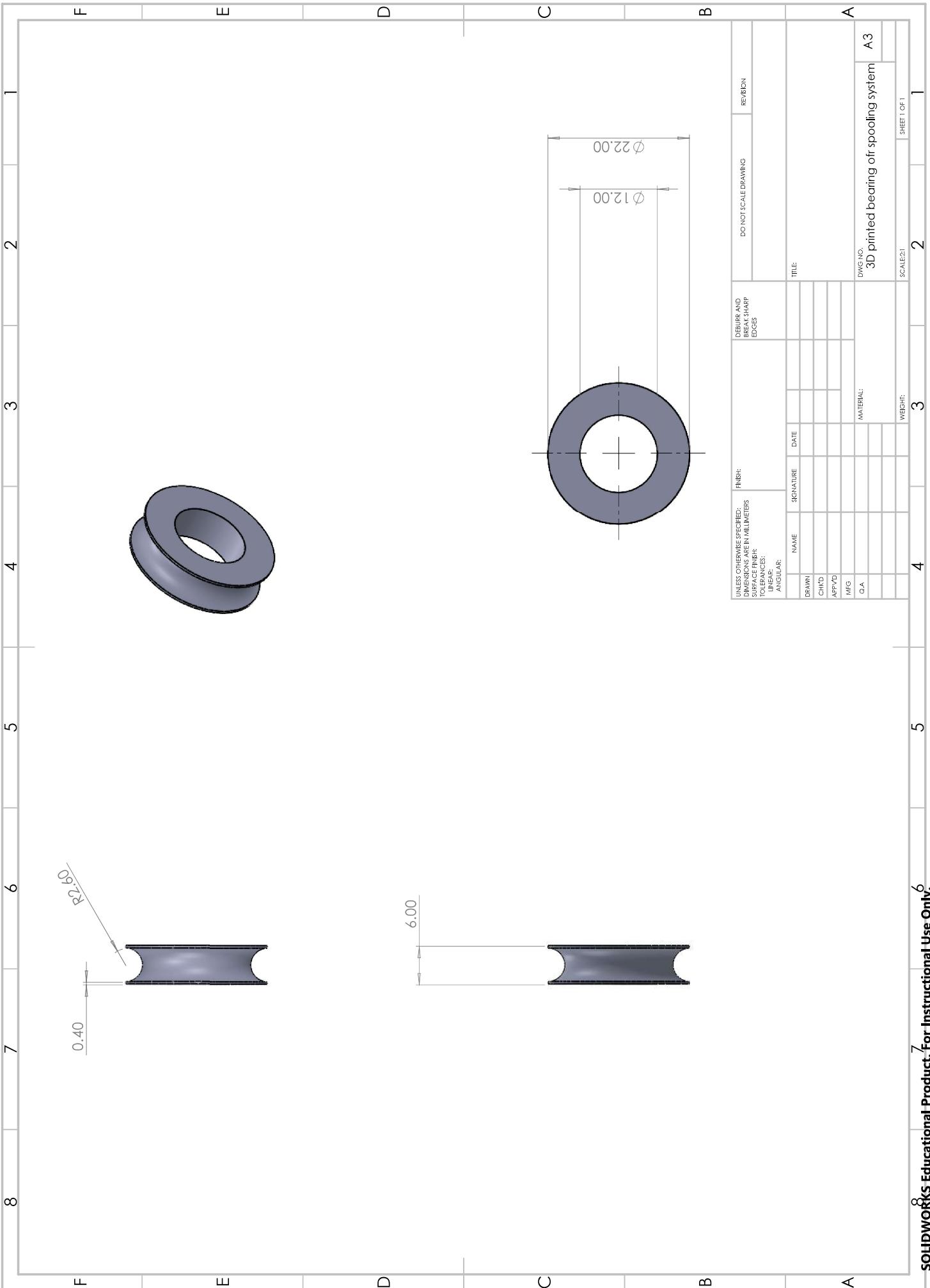




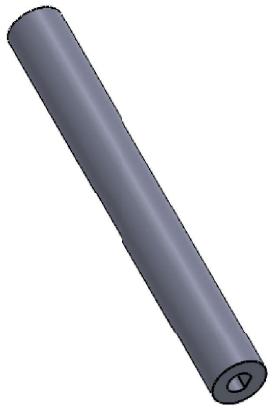




SOLIDWORKS Educational Product. For Instructional Use Only.⁶



$\phi 11.75$



100.00



3.00

R2.59

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH: DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
NAME	SIGNATURE	DATE	TITLE:	
DRAWN				
CHKD				
APP'D				
MFG				
QA				
MATERIAL:		DRAWING NO.		SHAFT FOR MOTOR
				A3
SCALE:		WEIGHT:		SHEET OF 1
4		3		2
5		3		3

