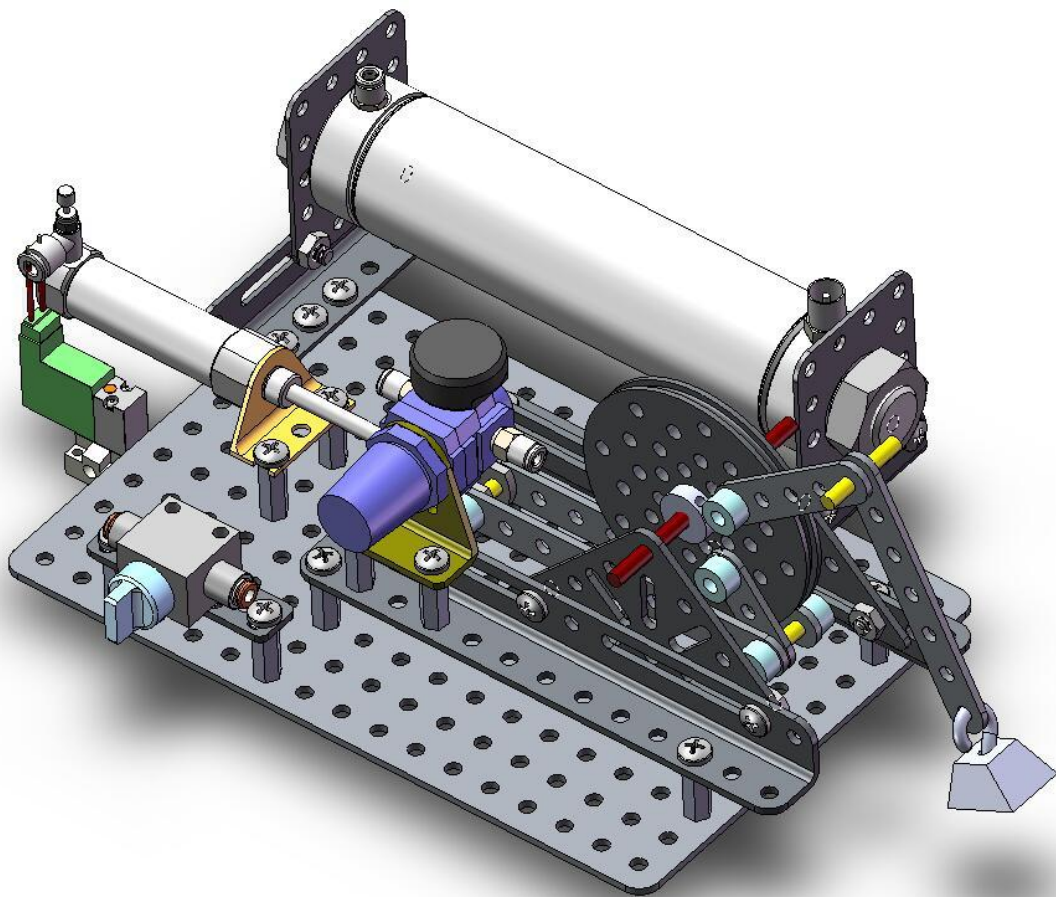
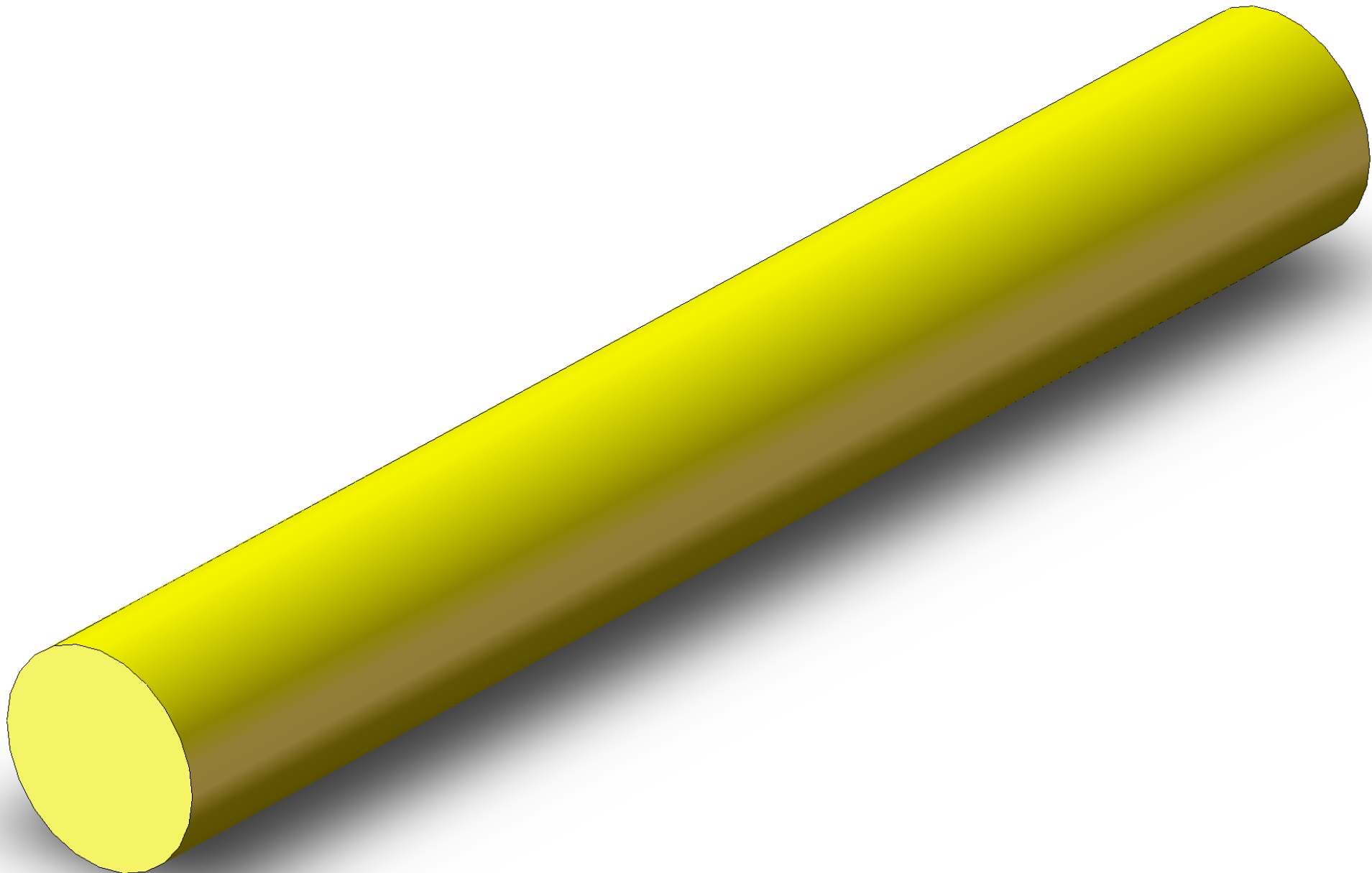
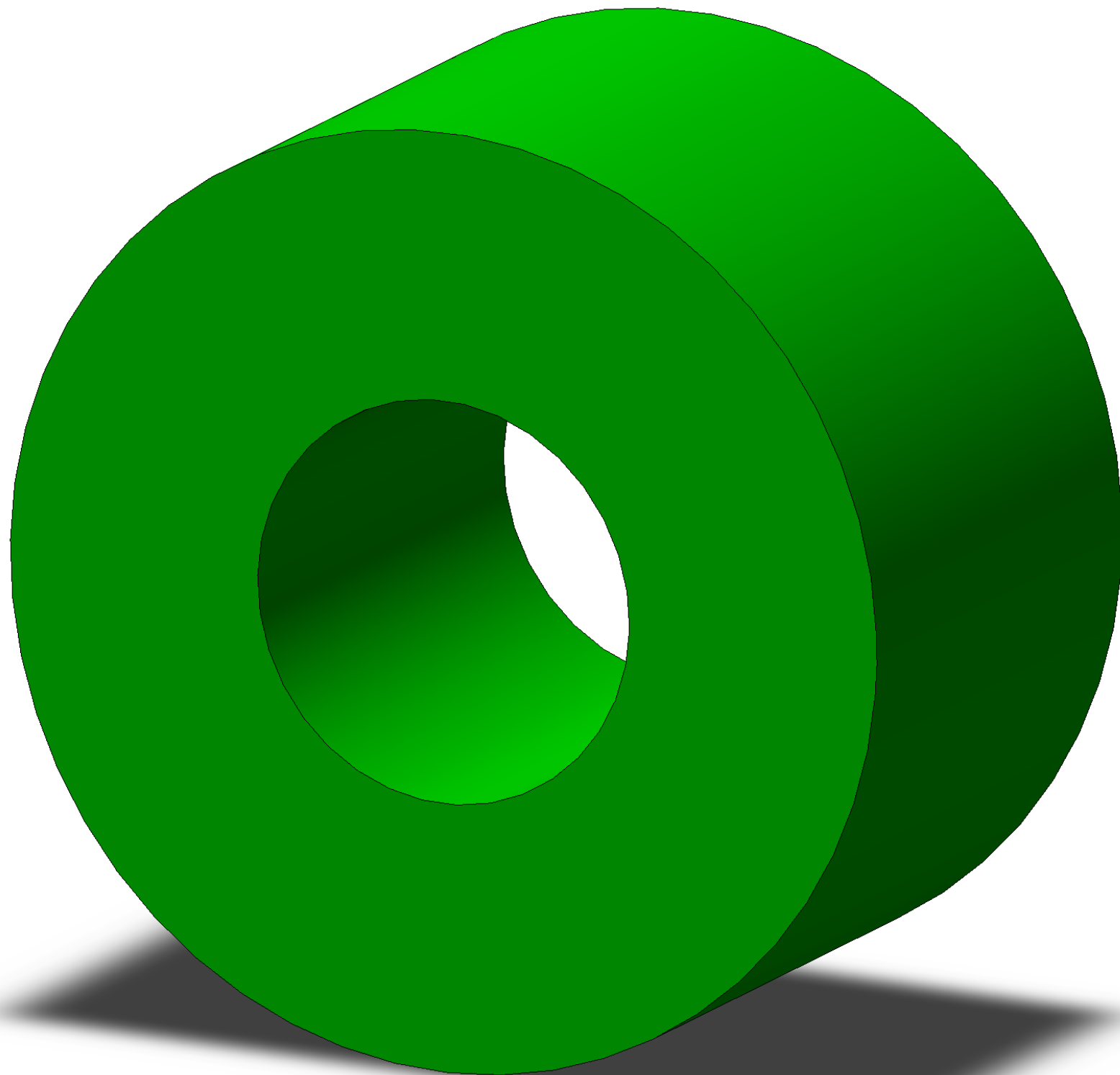


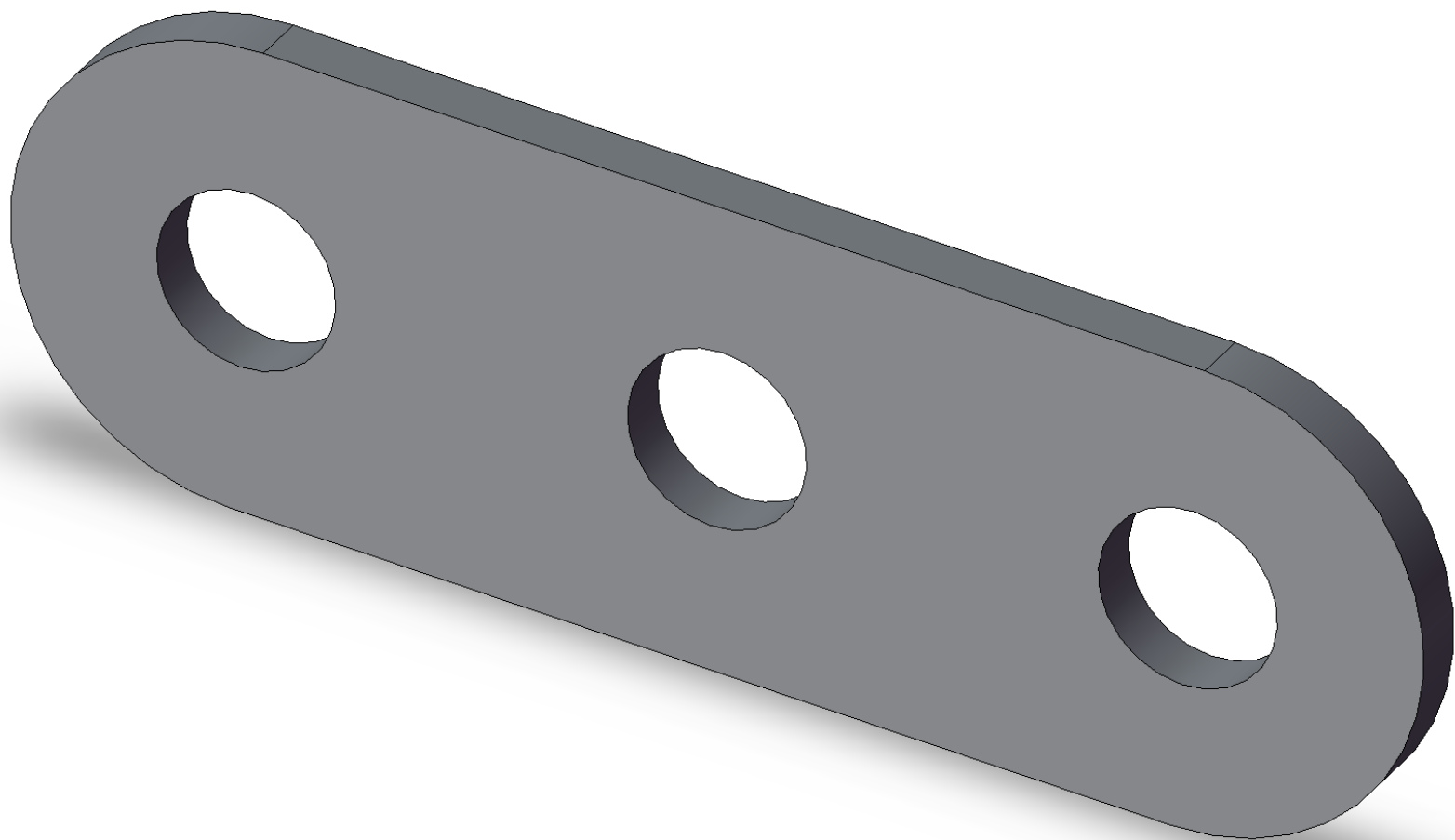
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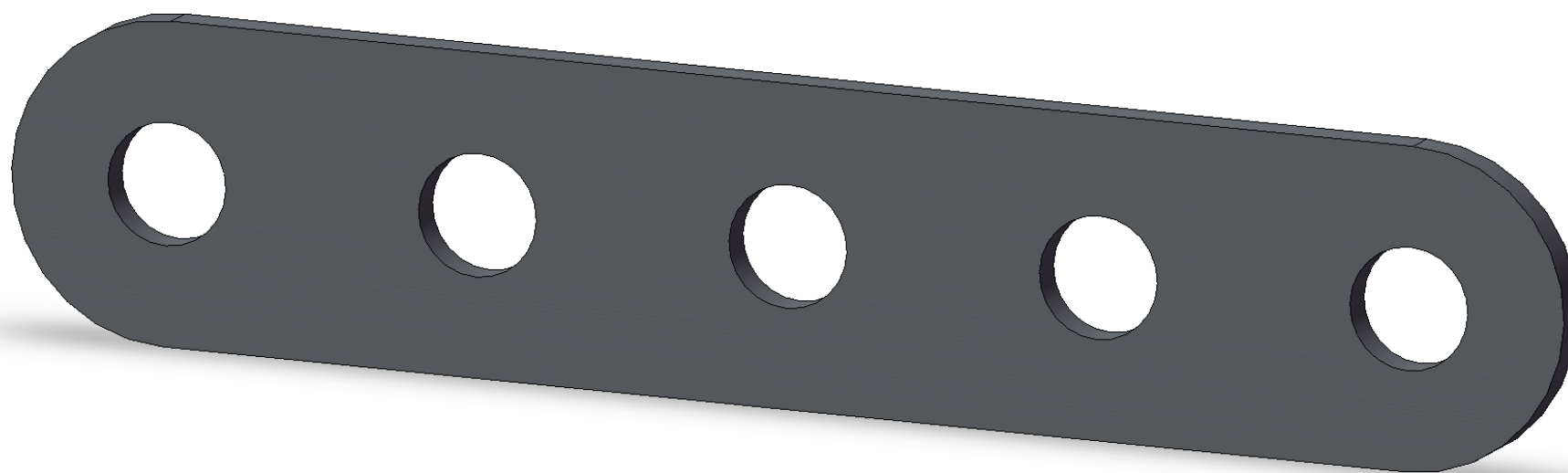
BY: DAVID S. DEWOLF

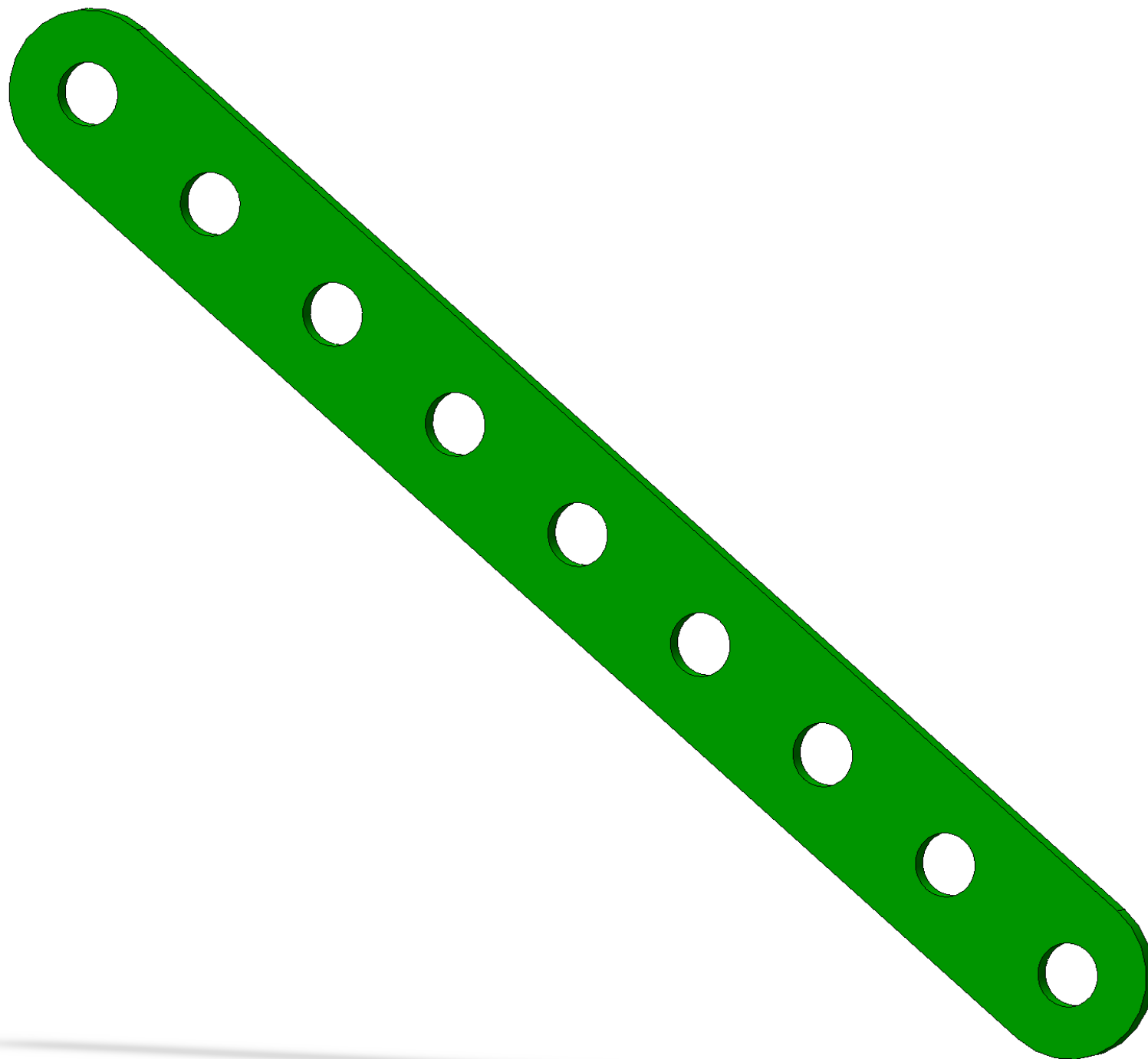


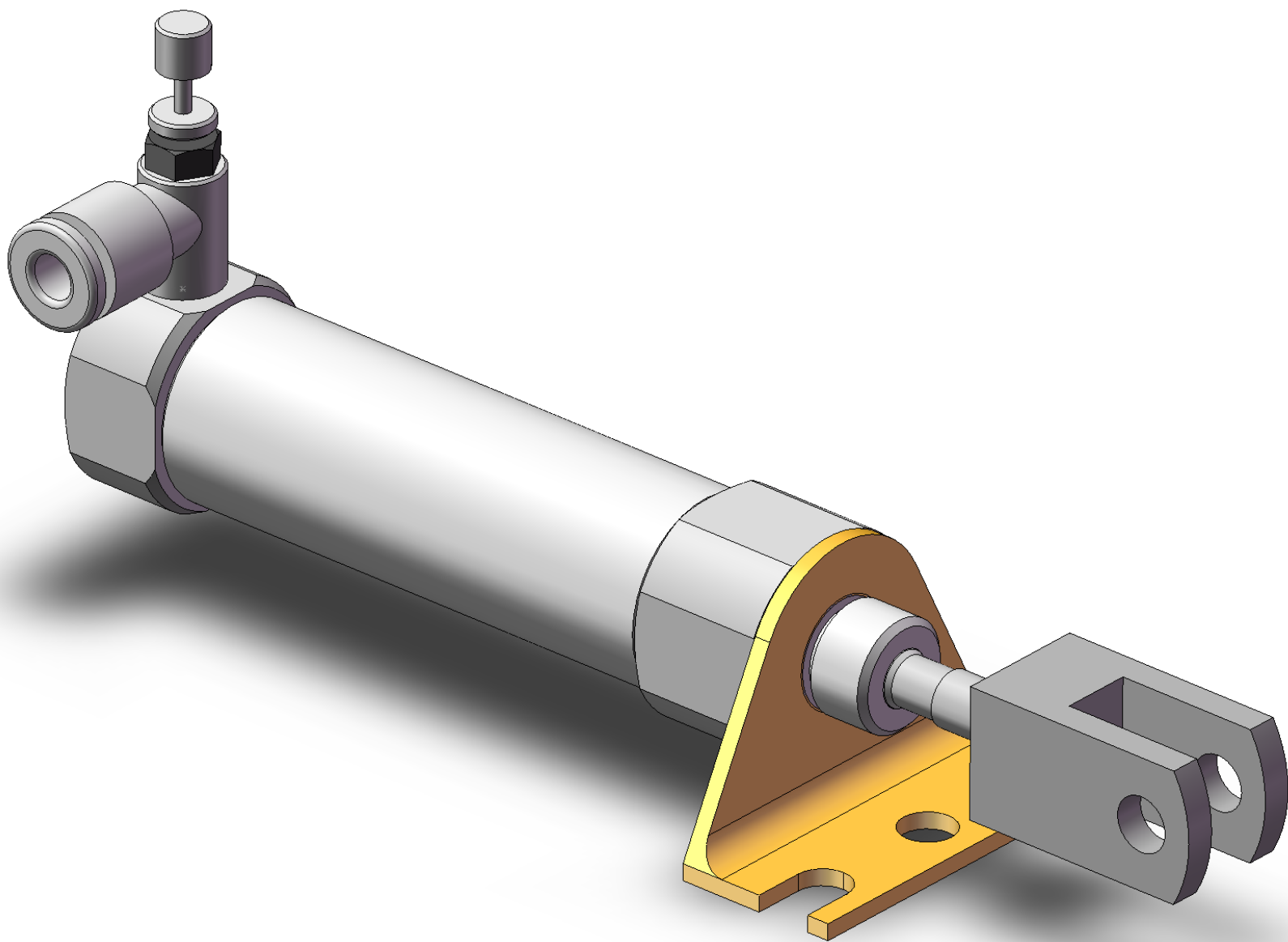


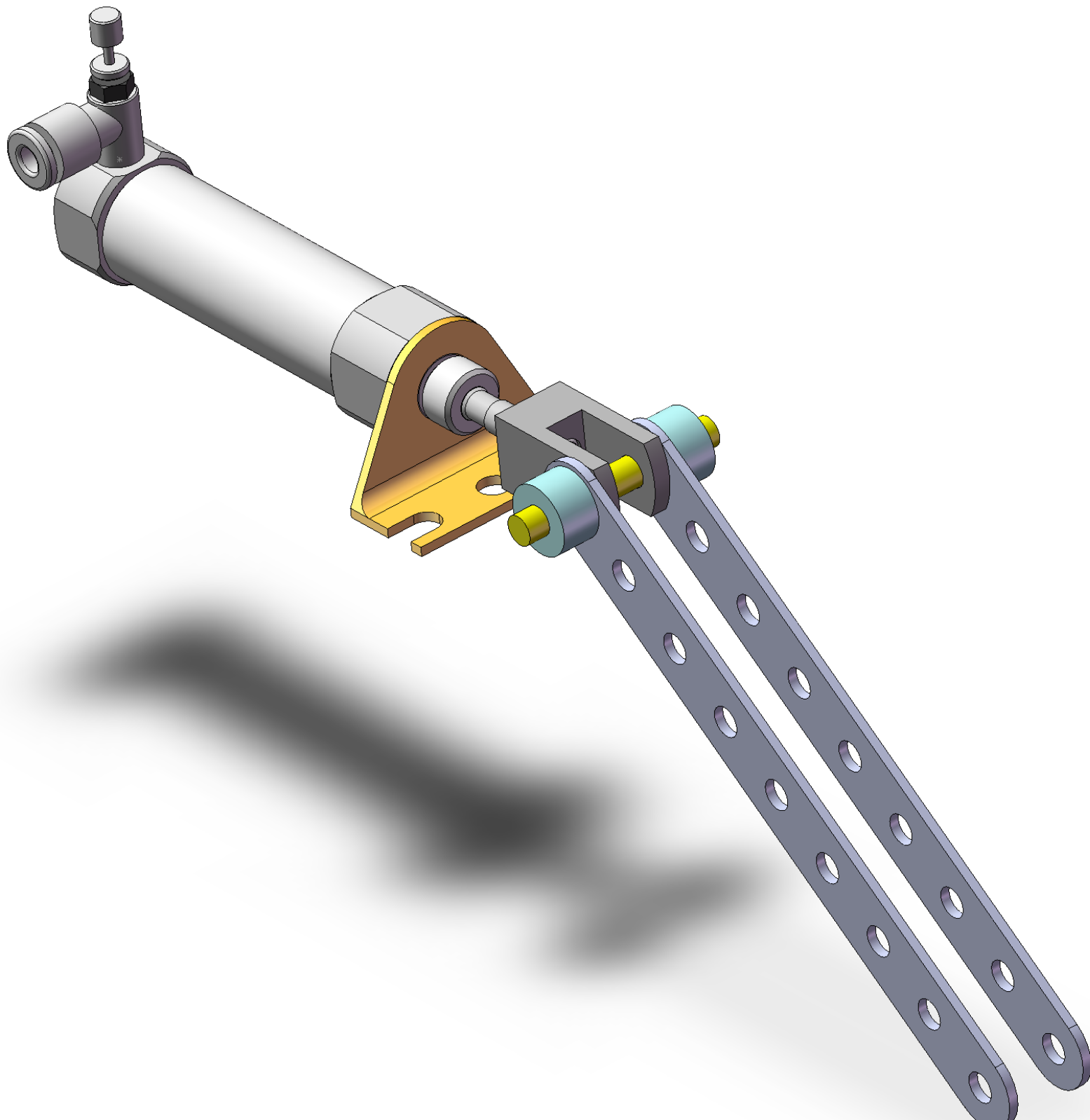


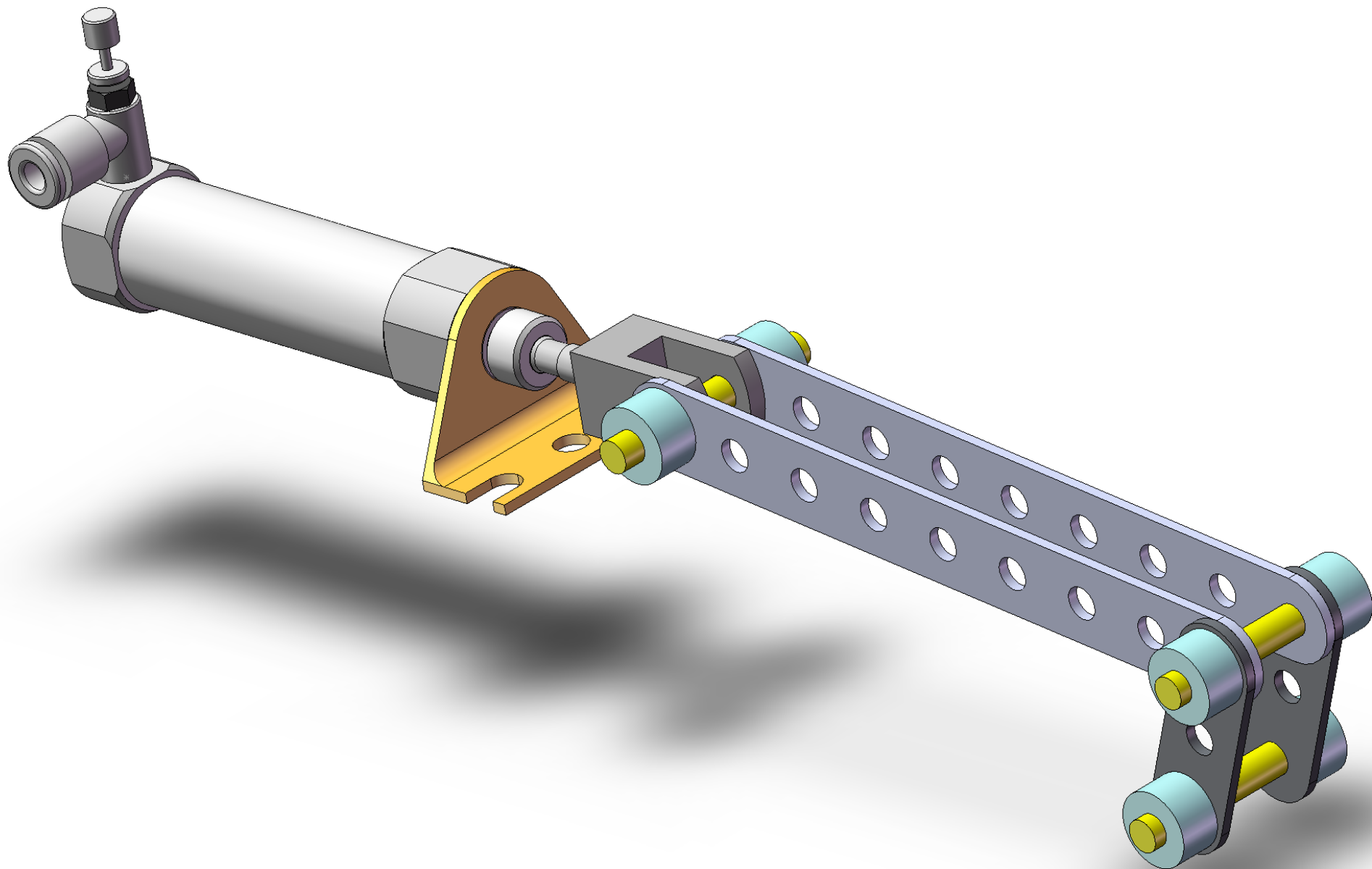


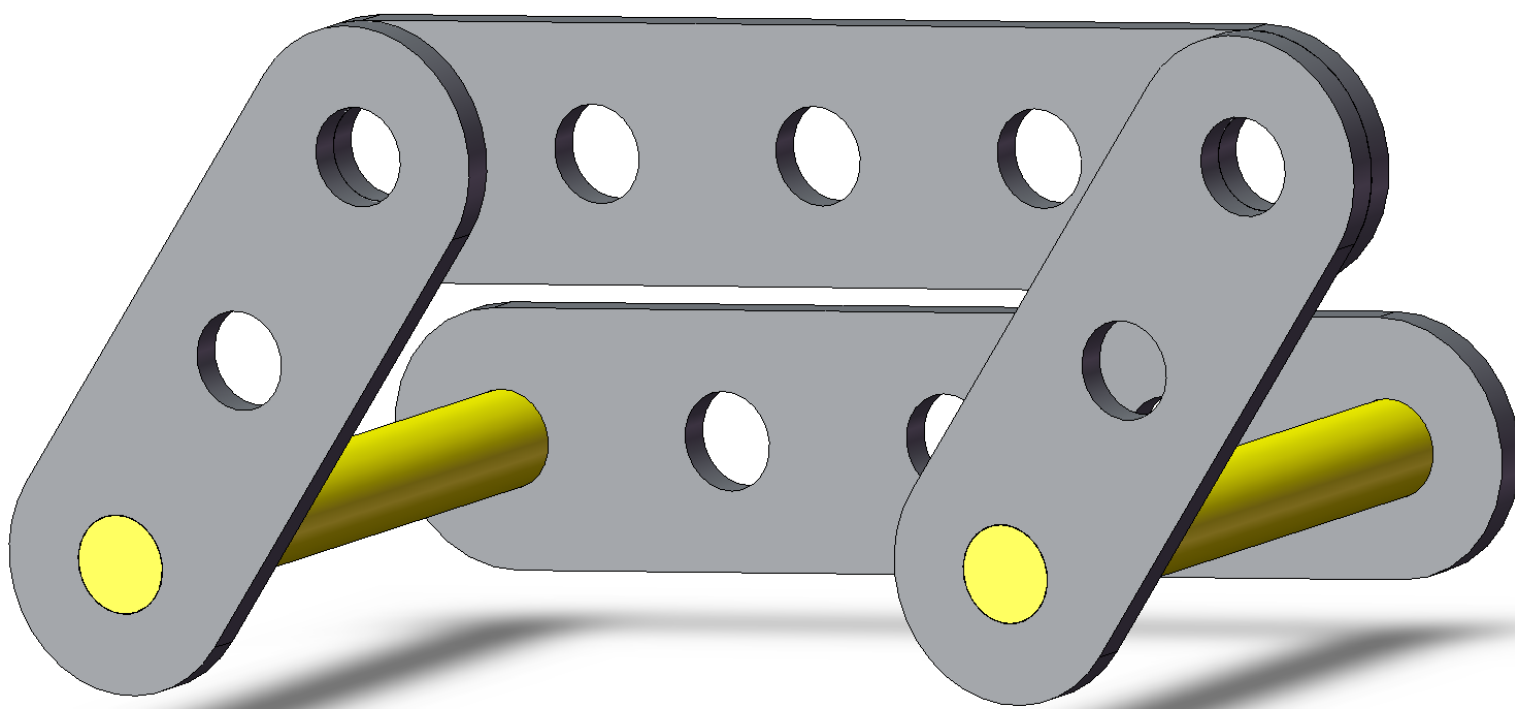


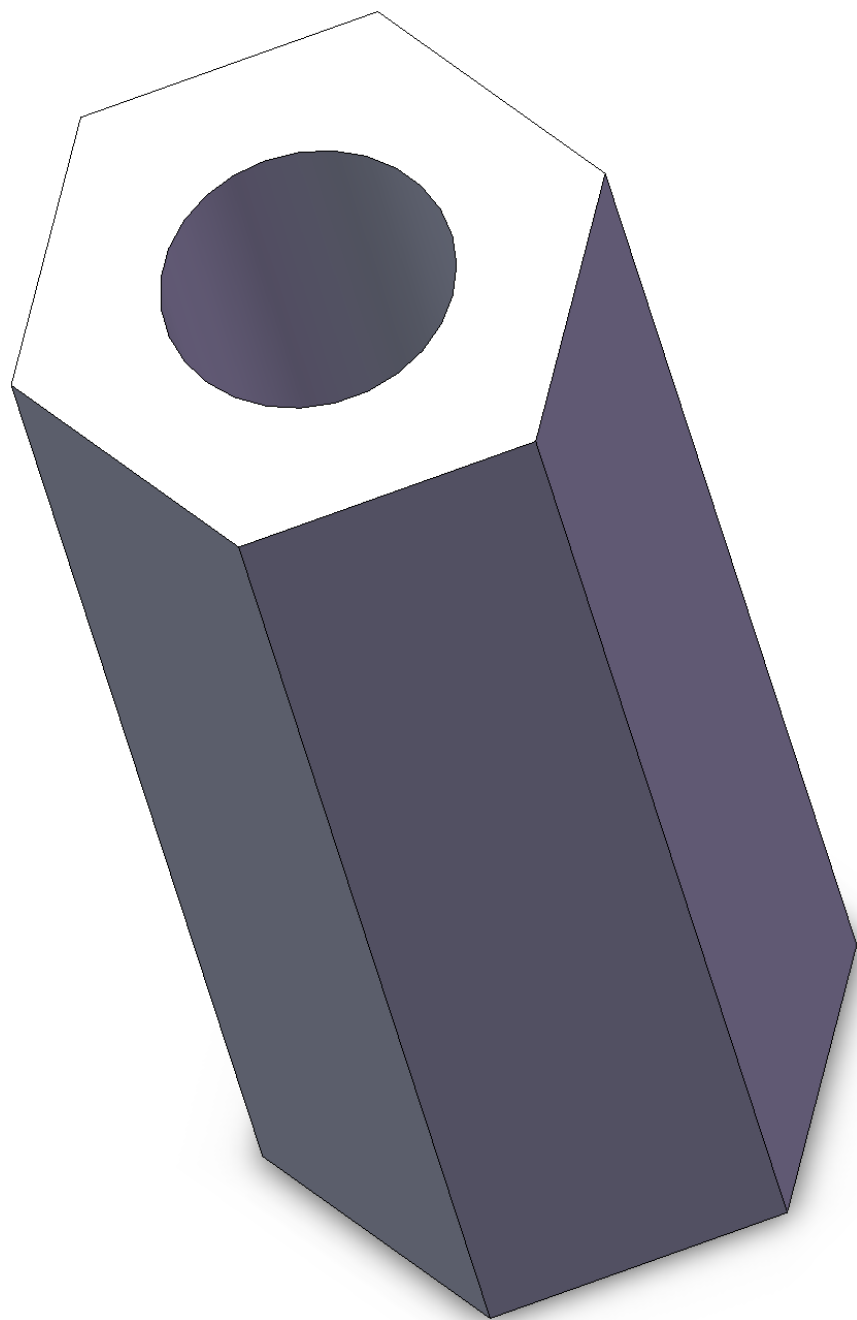




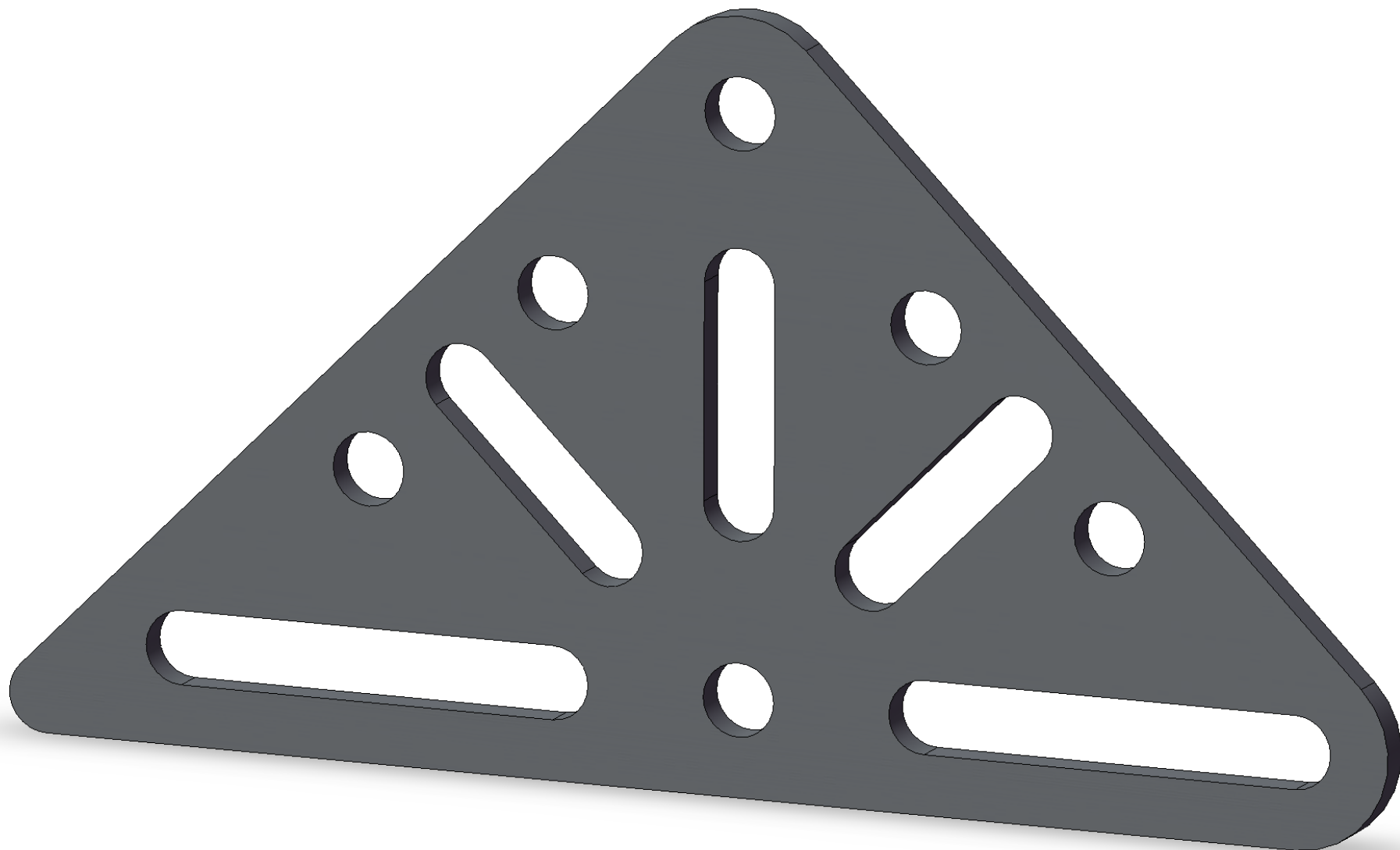




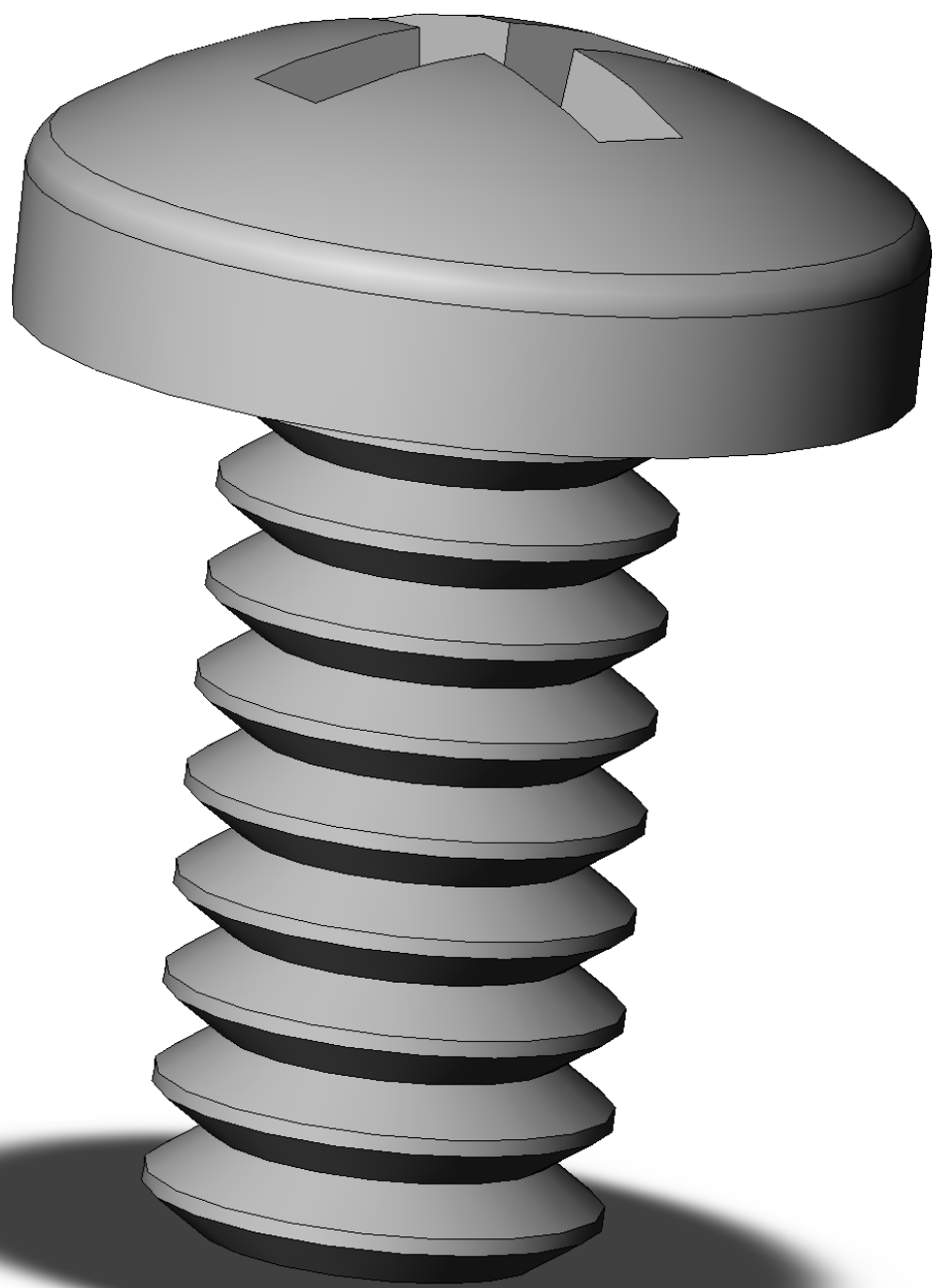


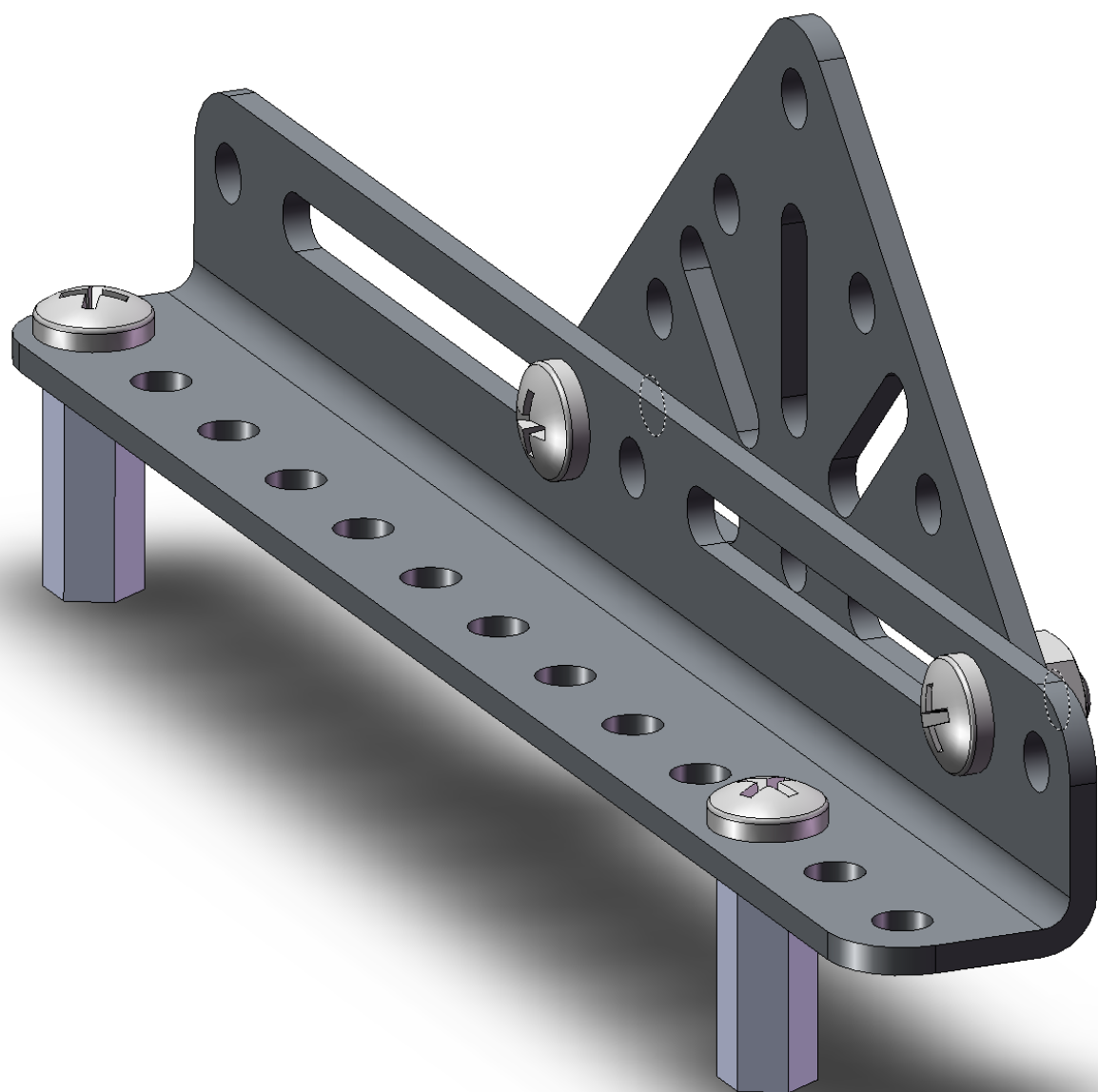


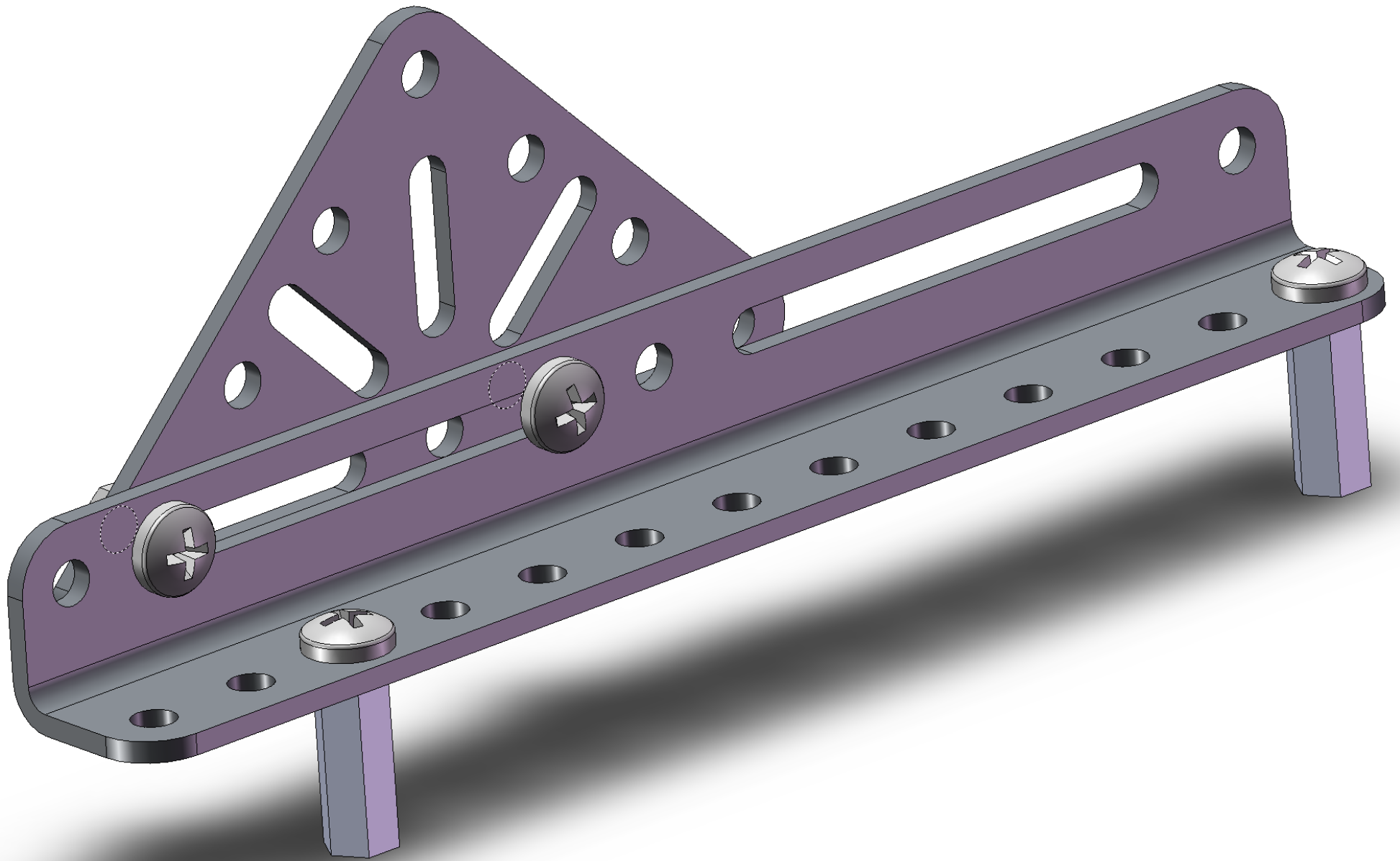


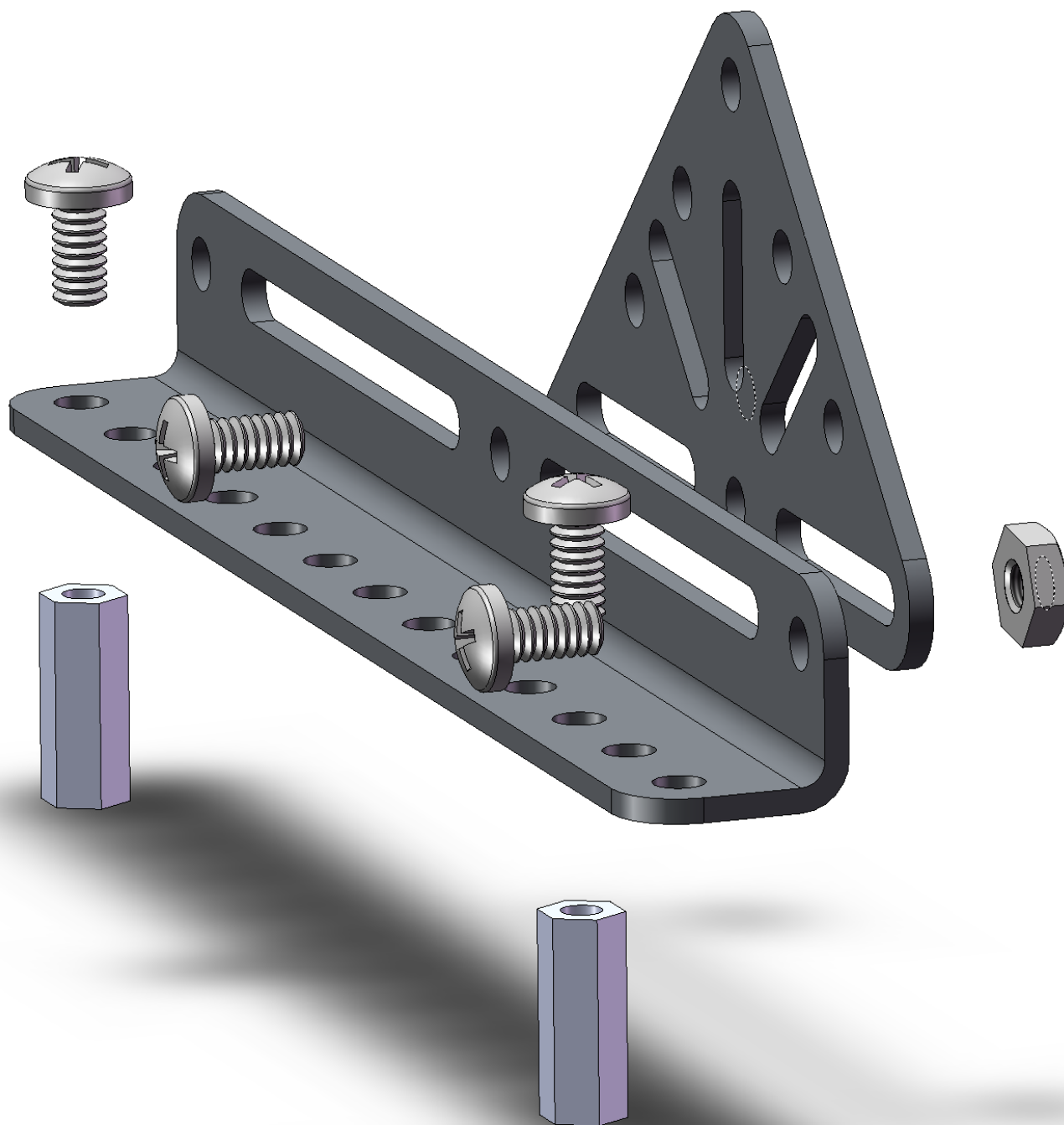


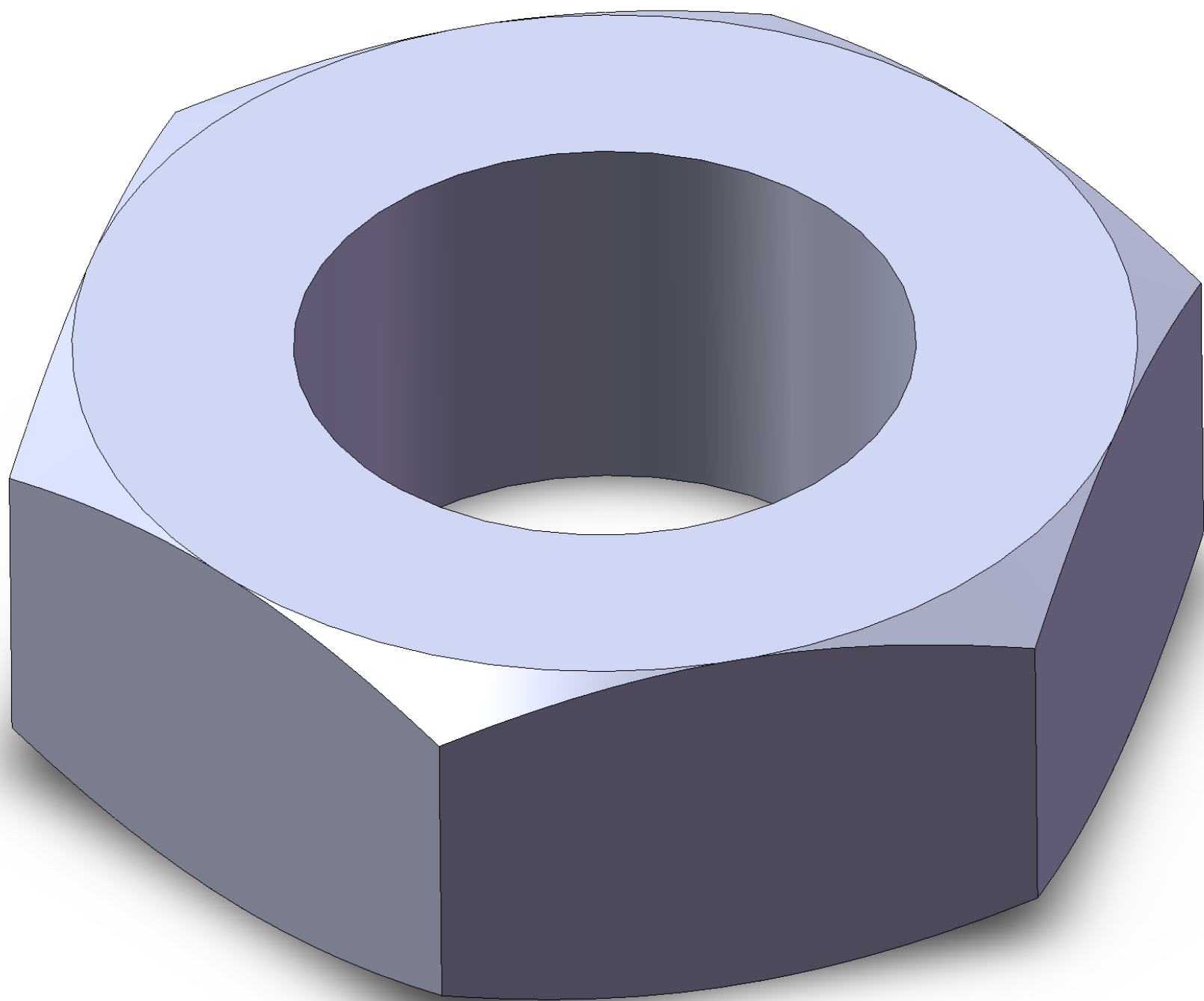


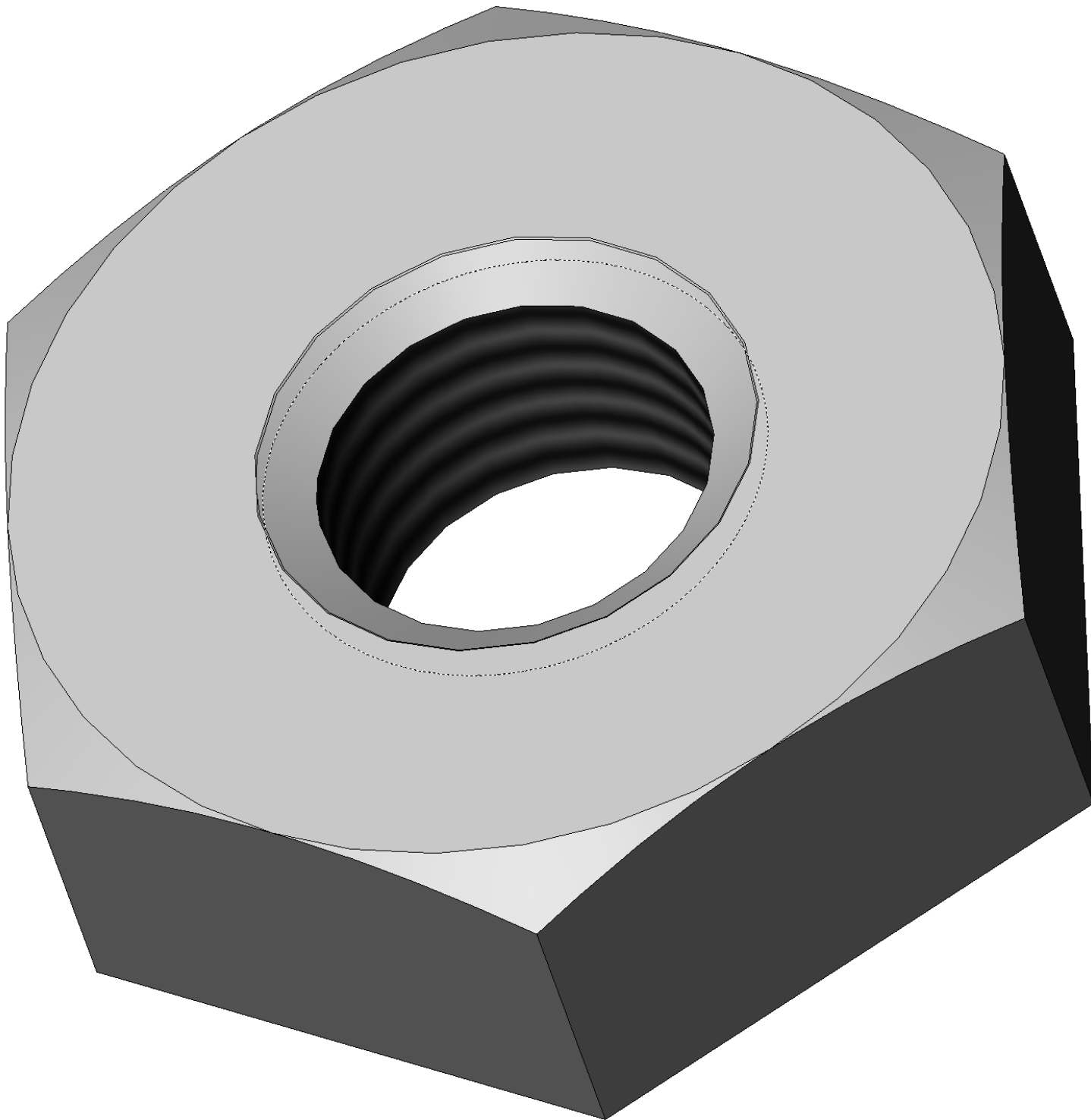


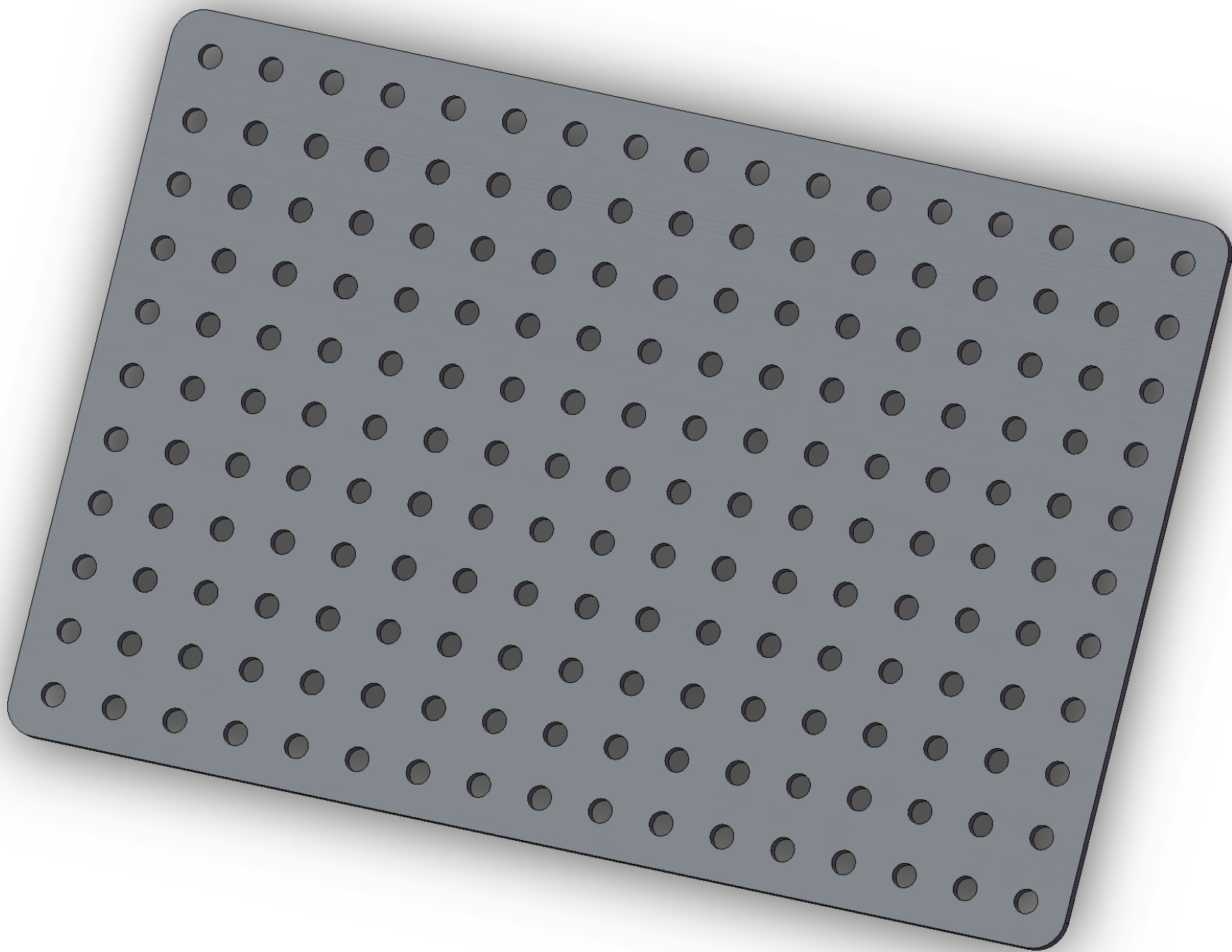


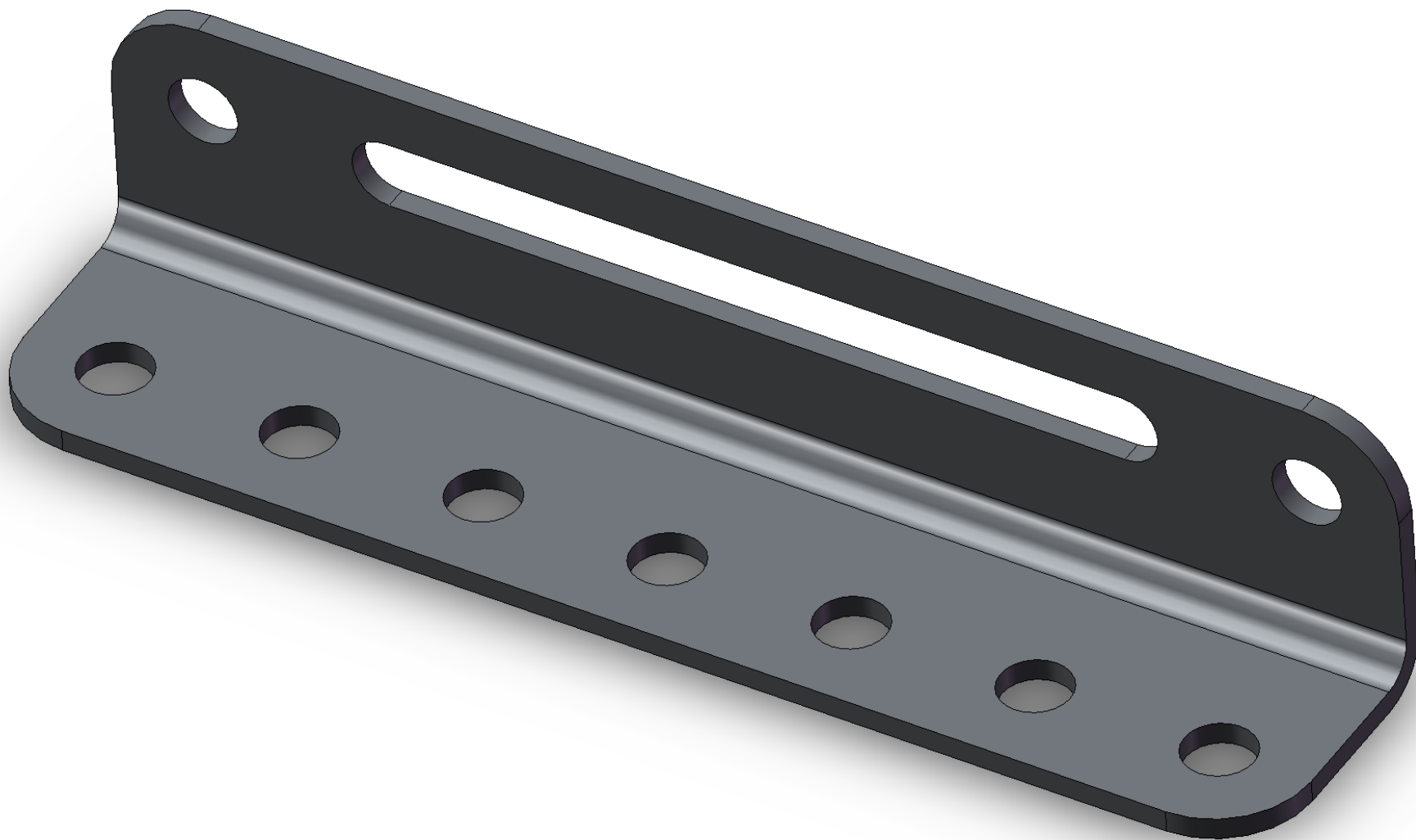


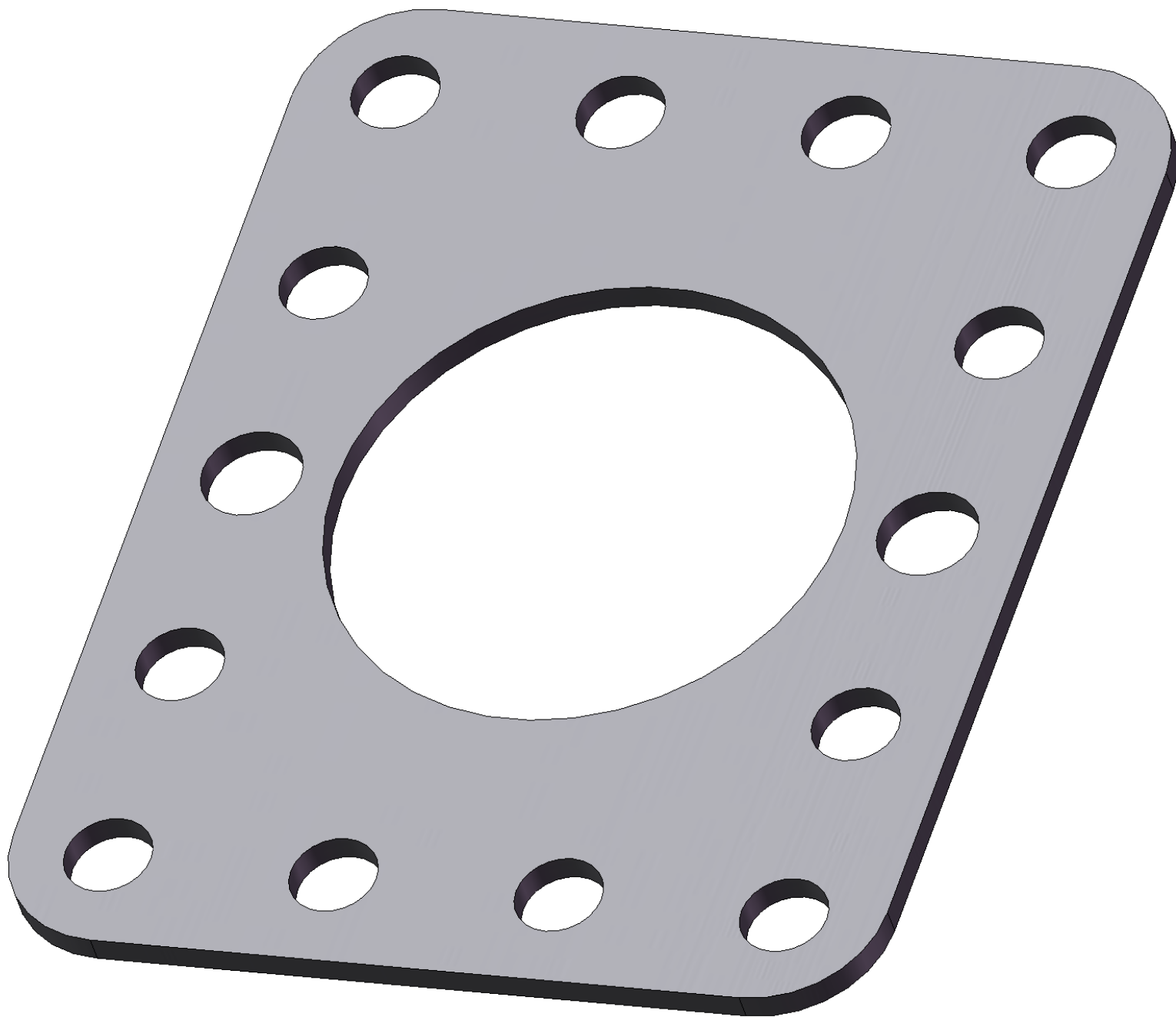


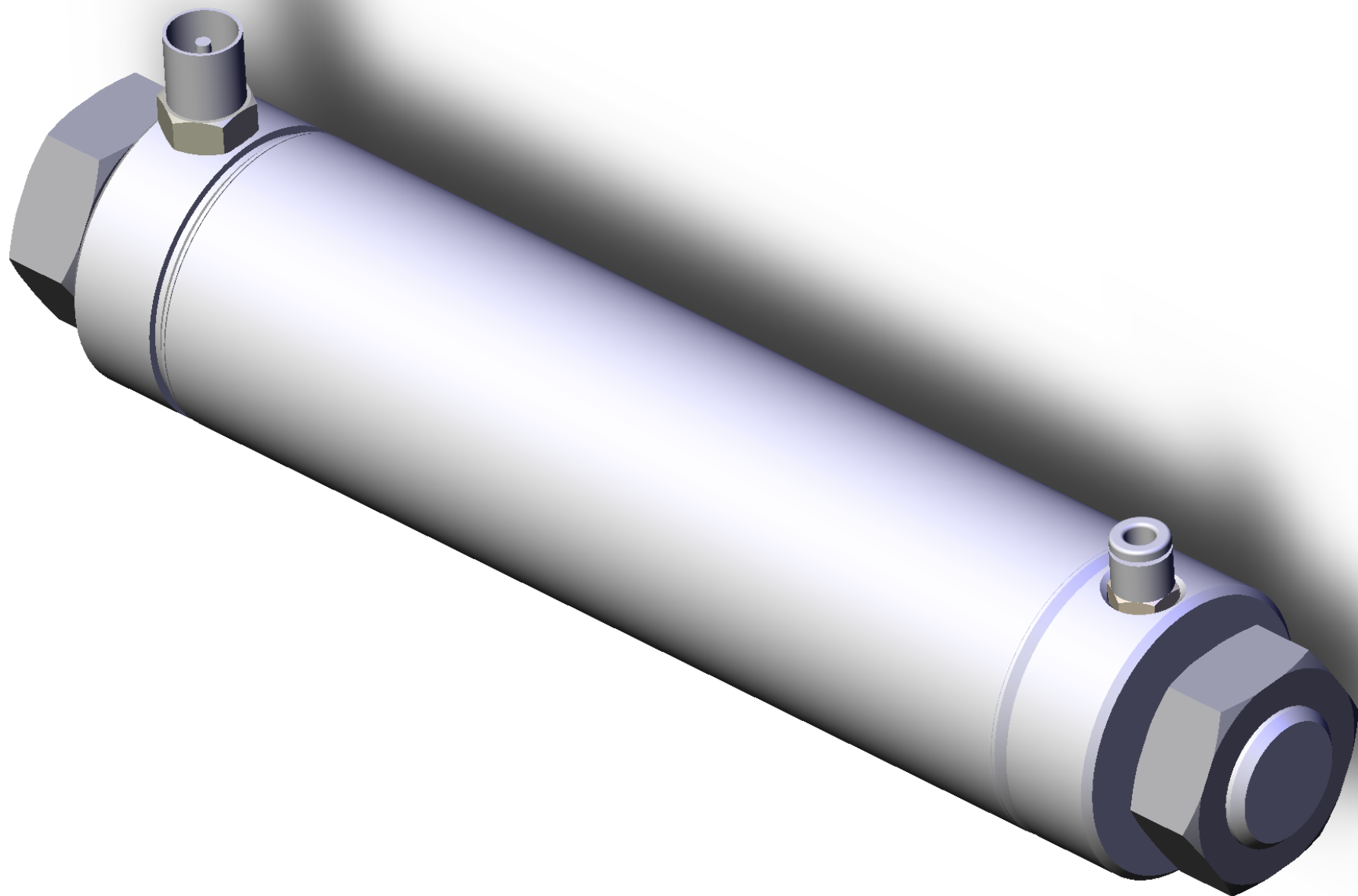


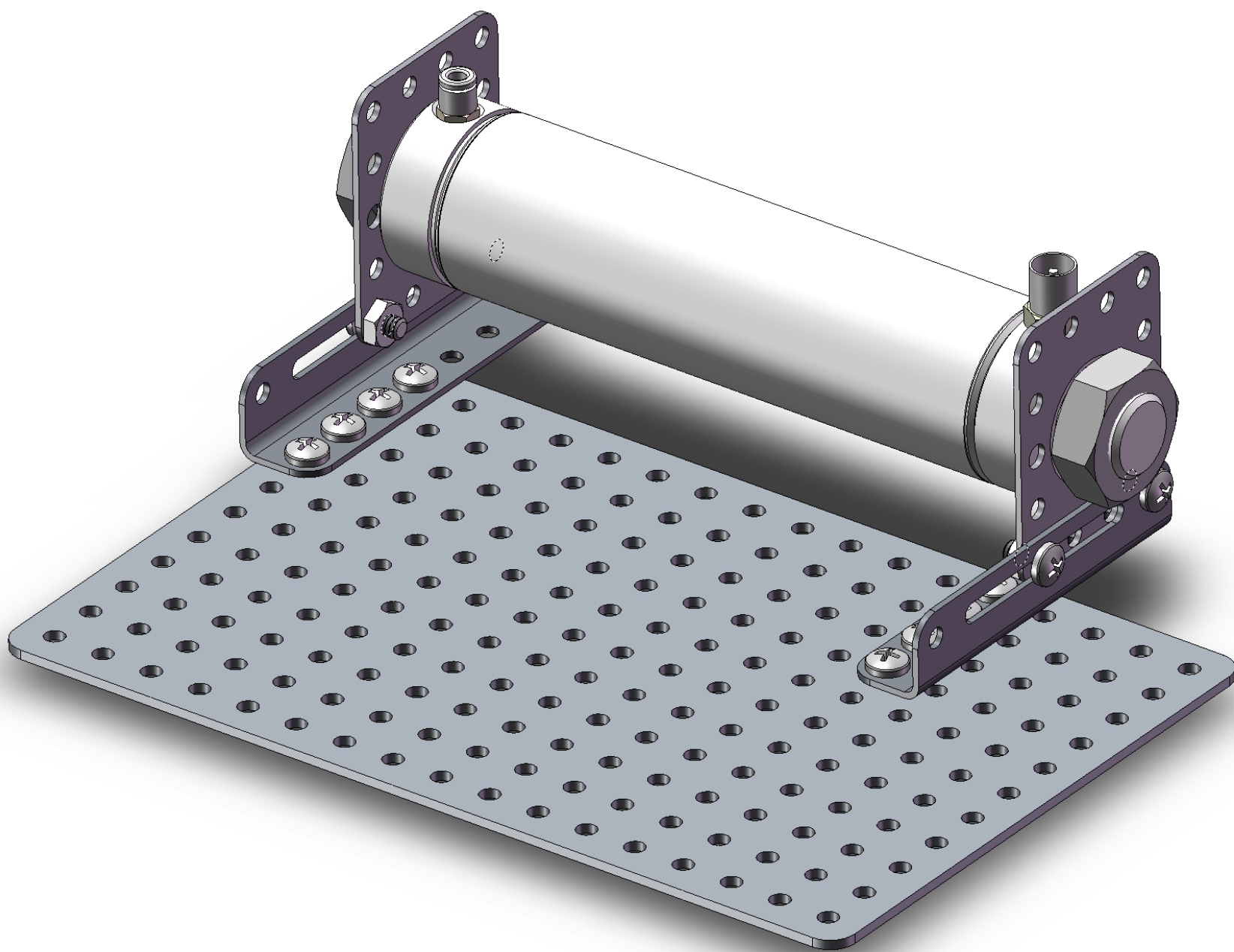


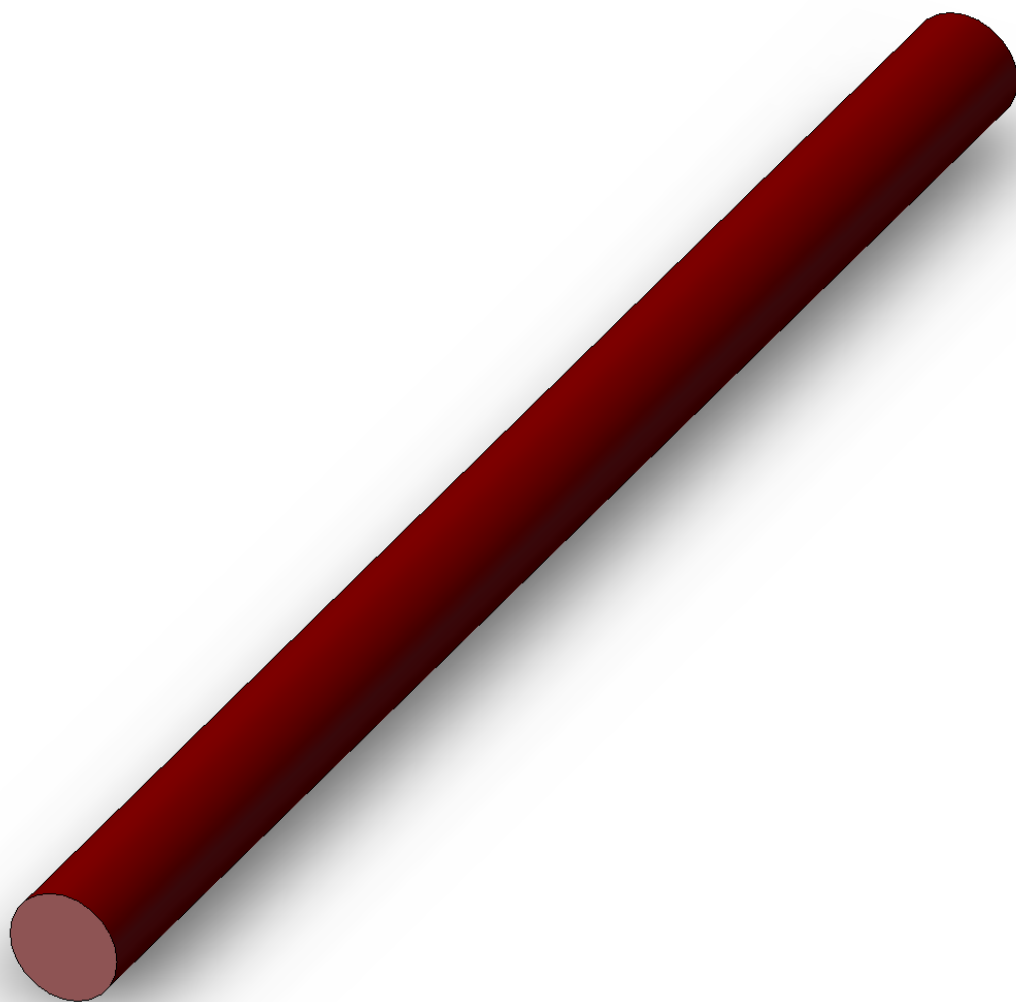


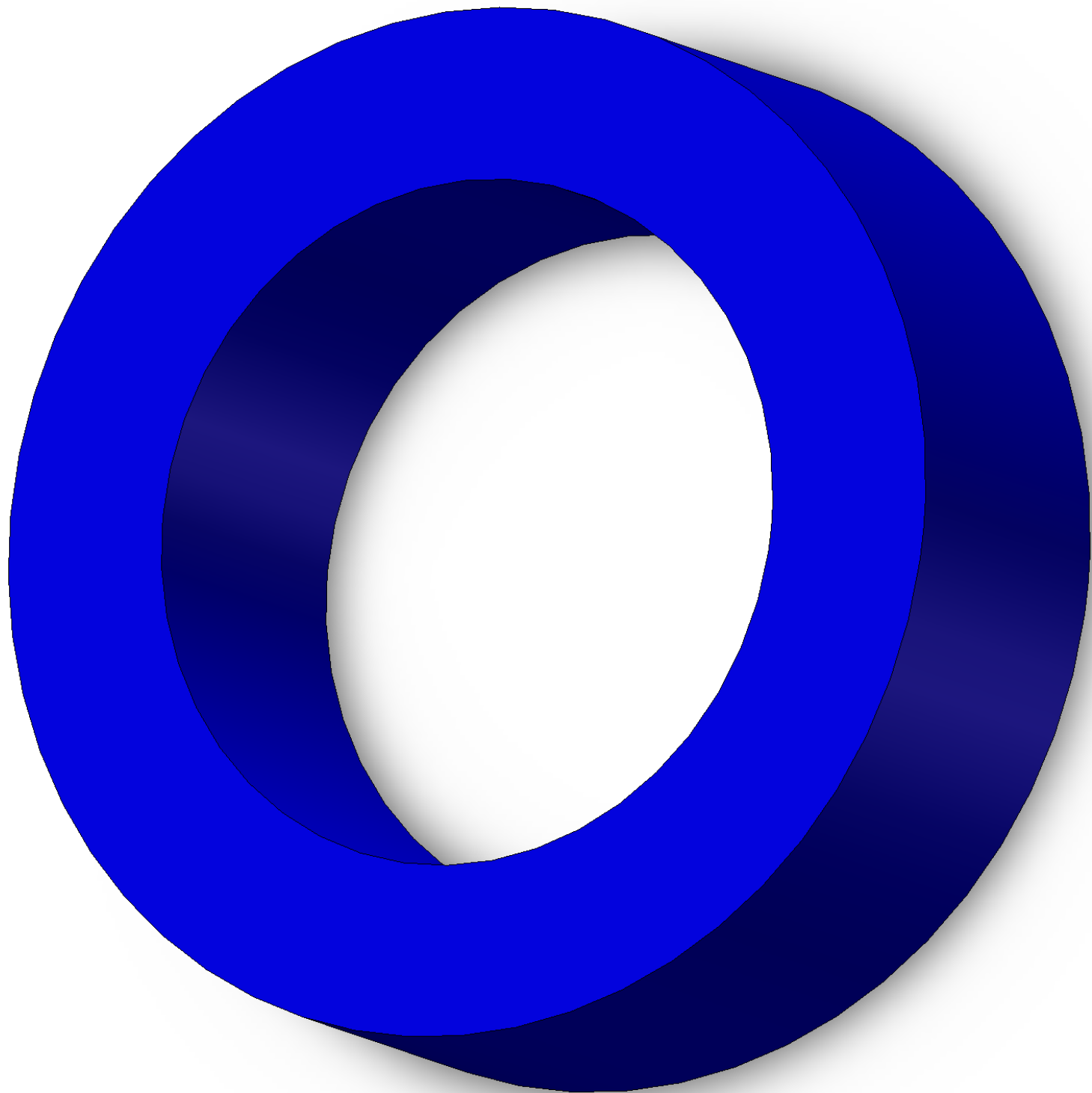


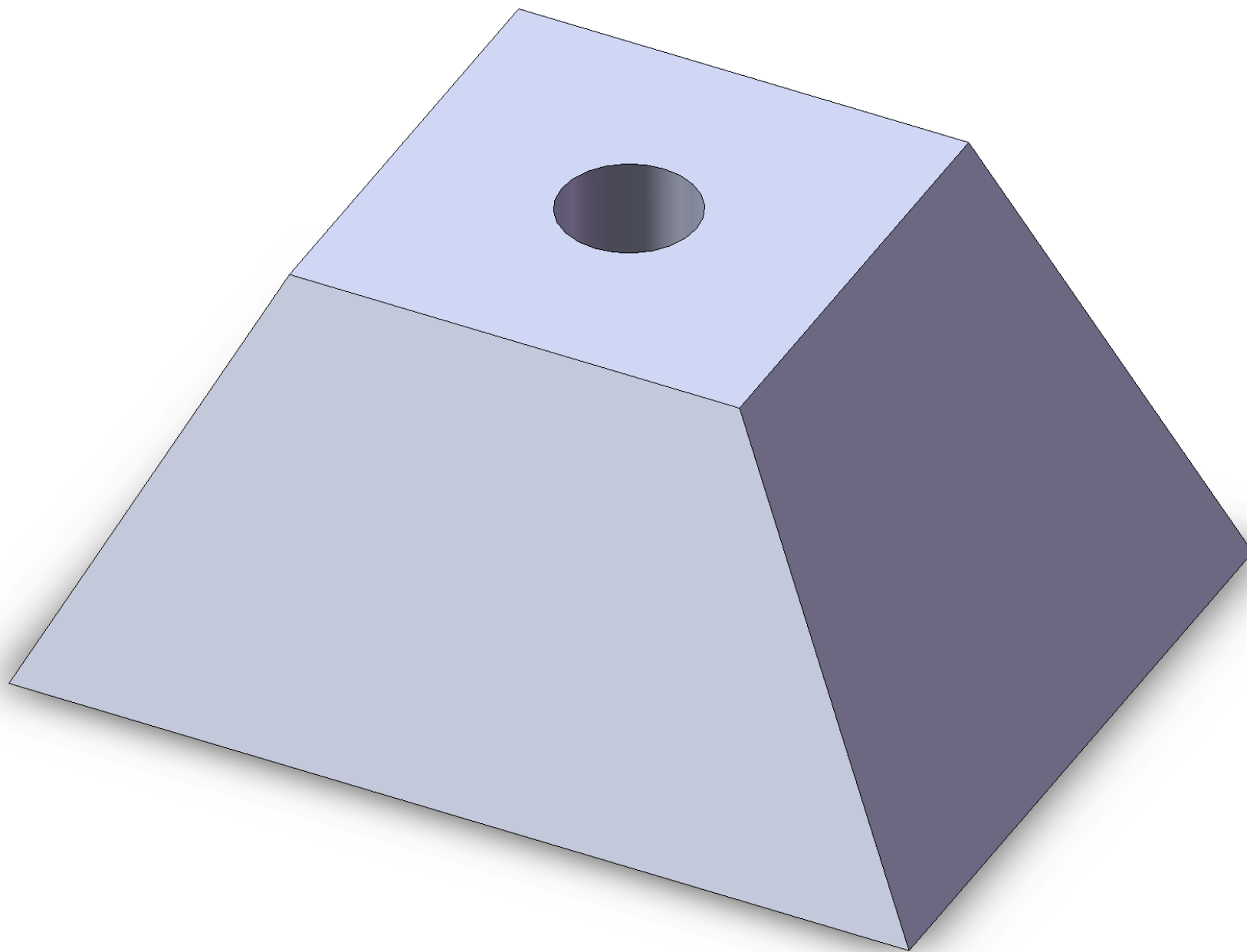




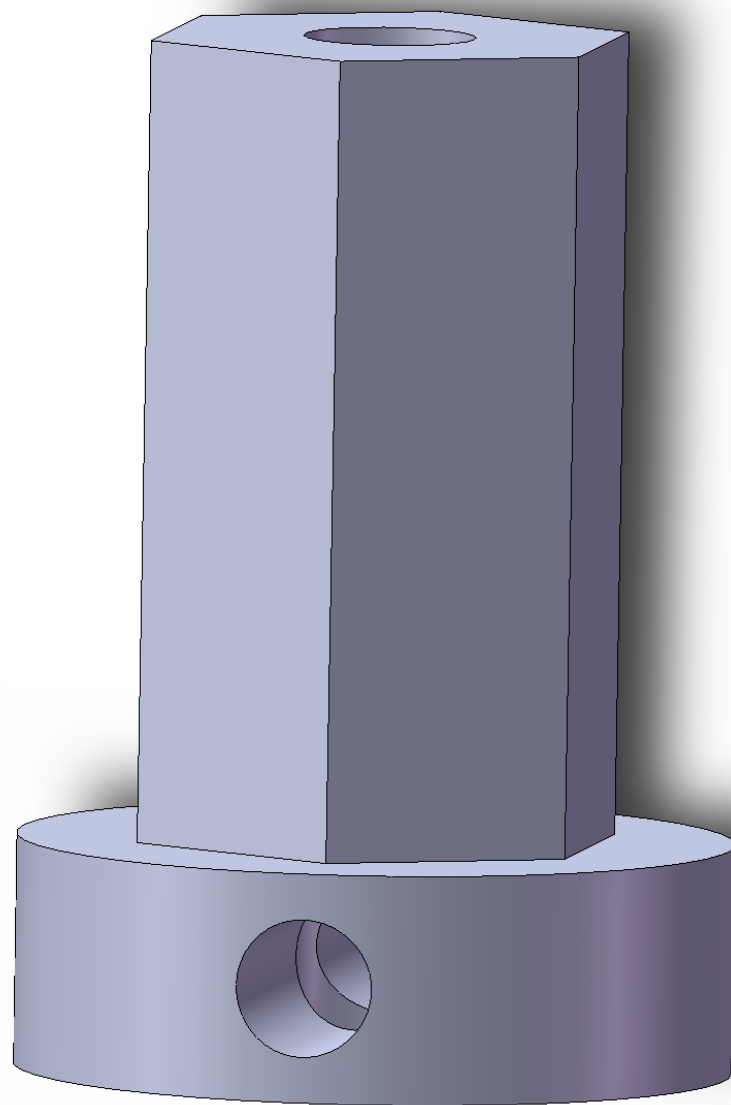


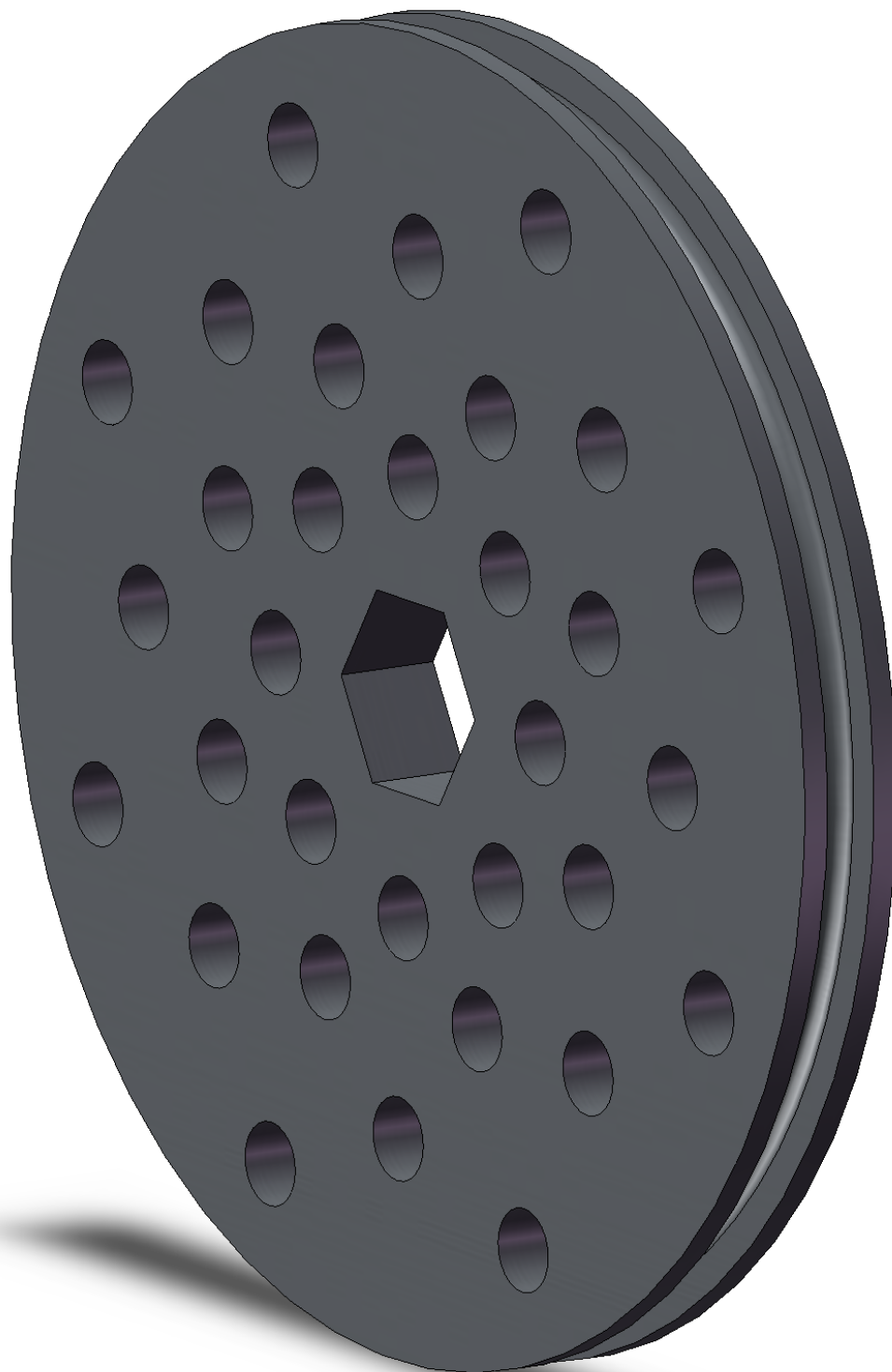


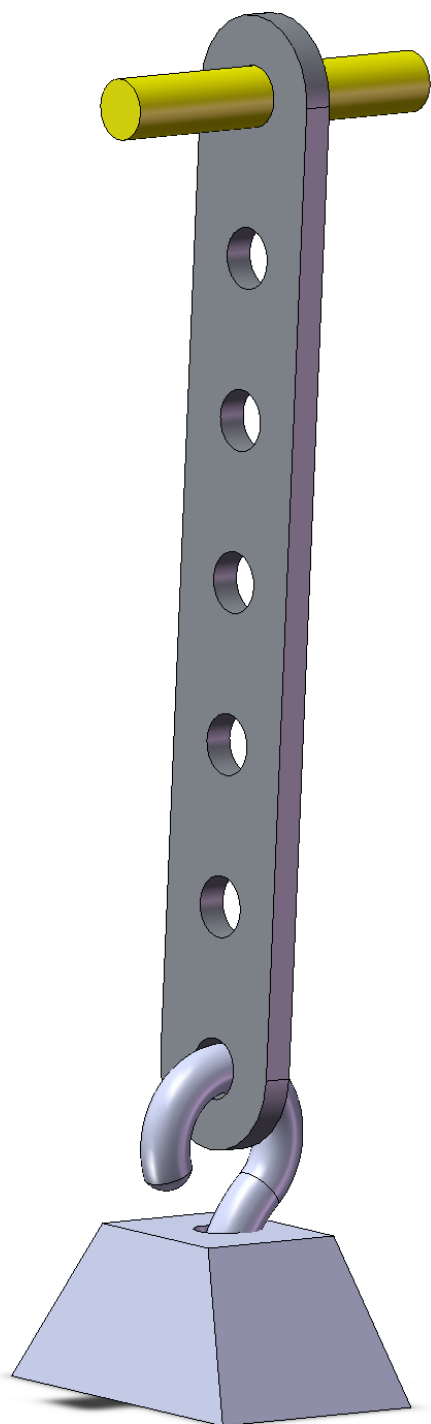


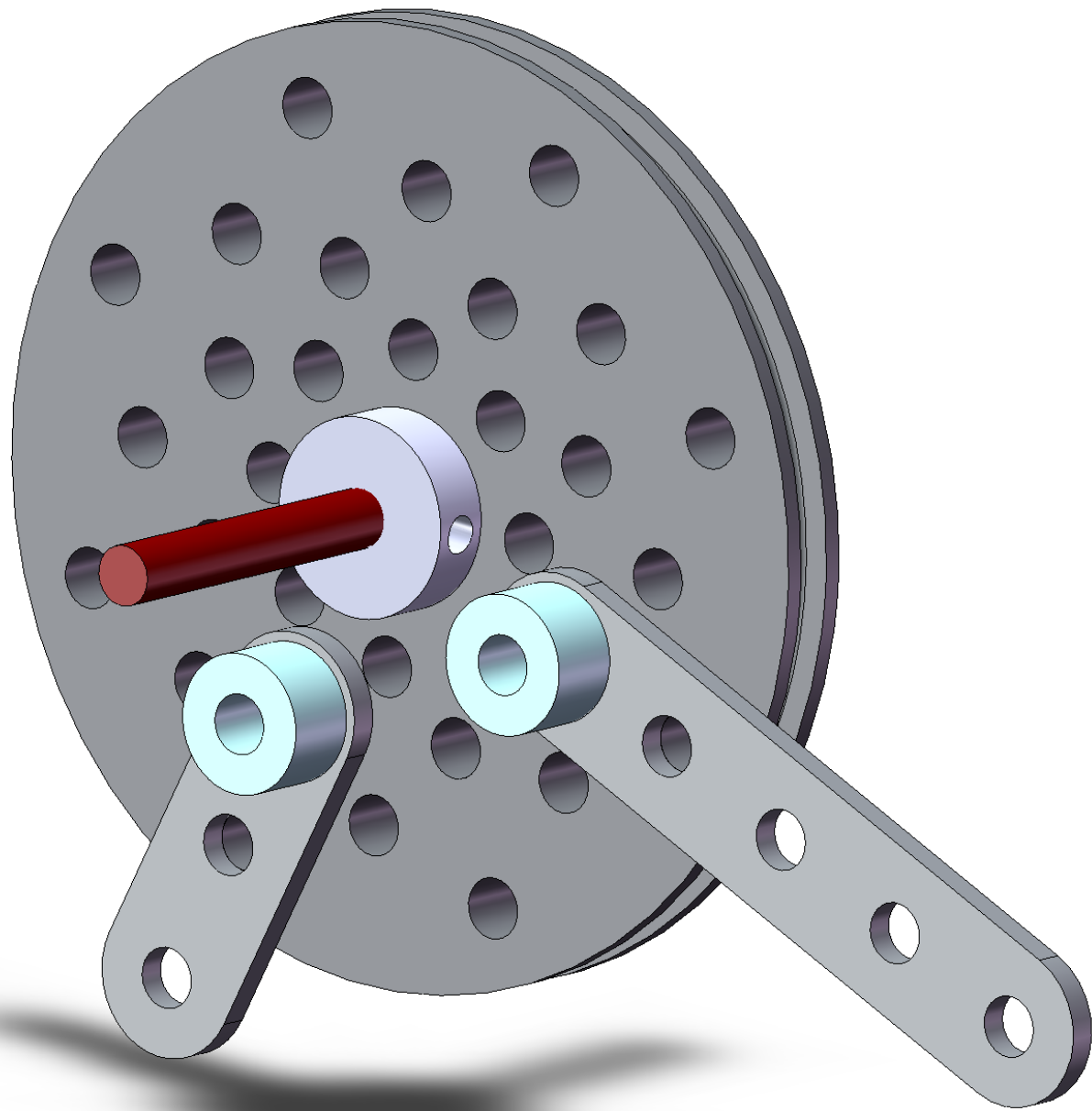


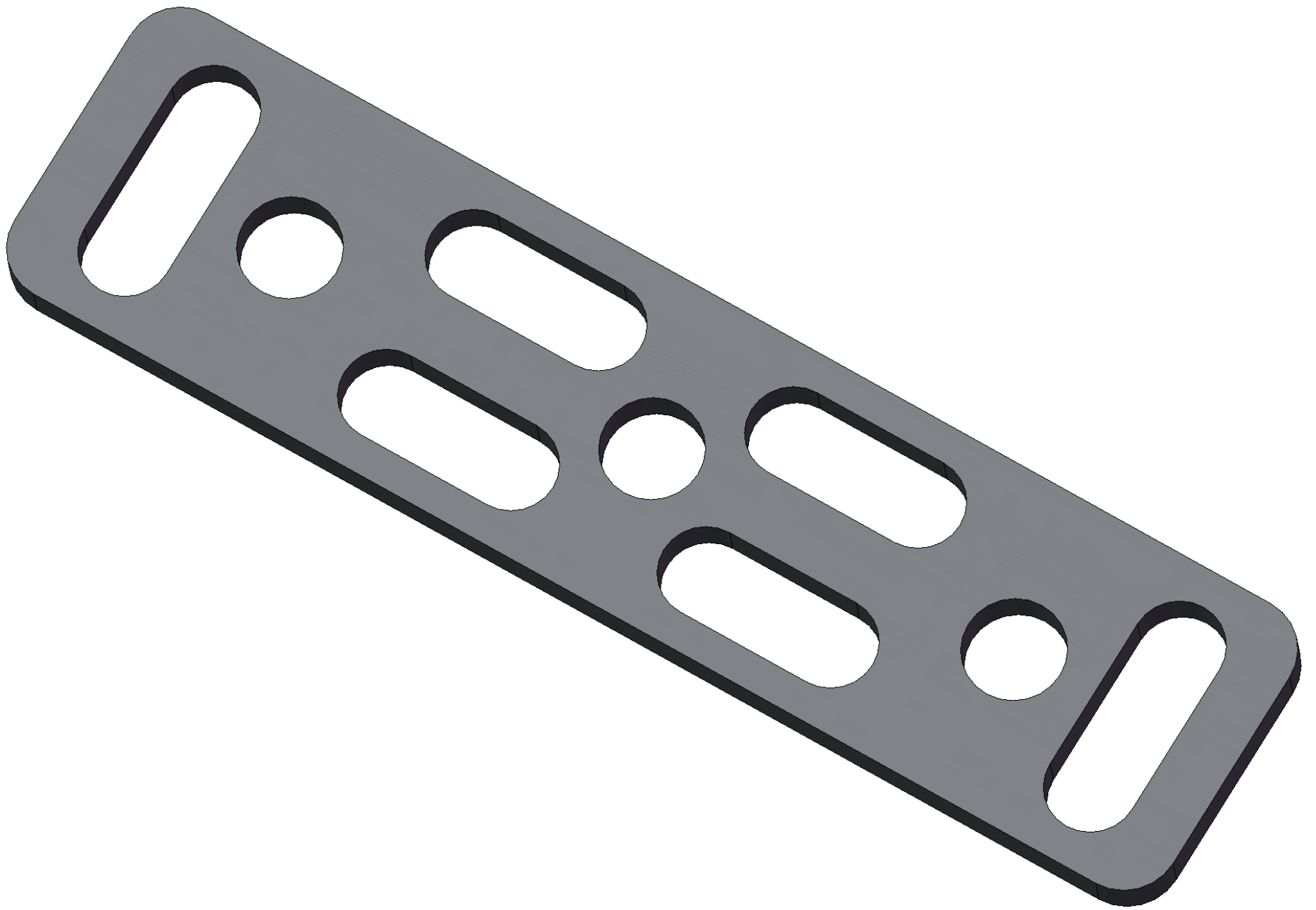


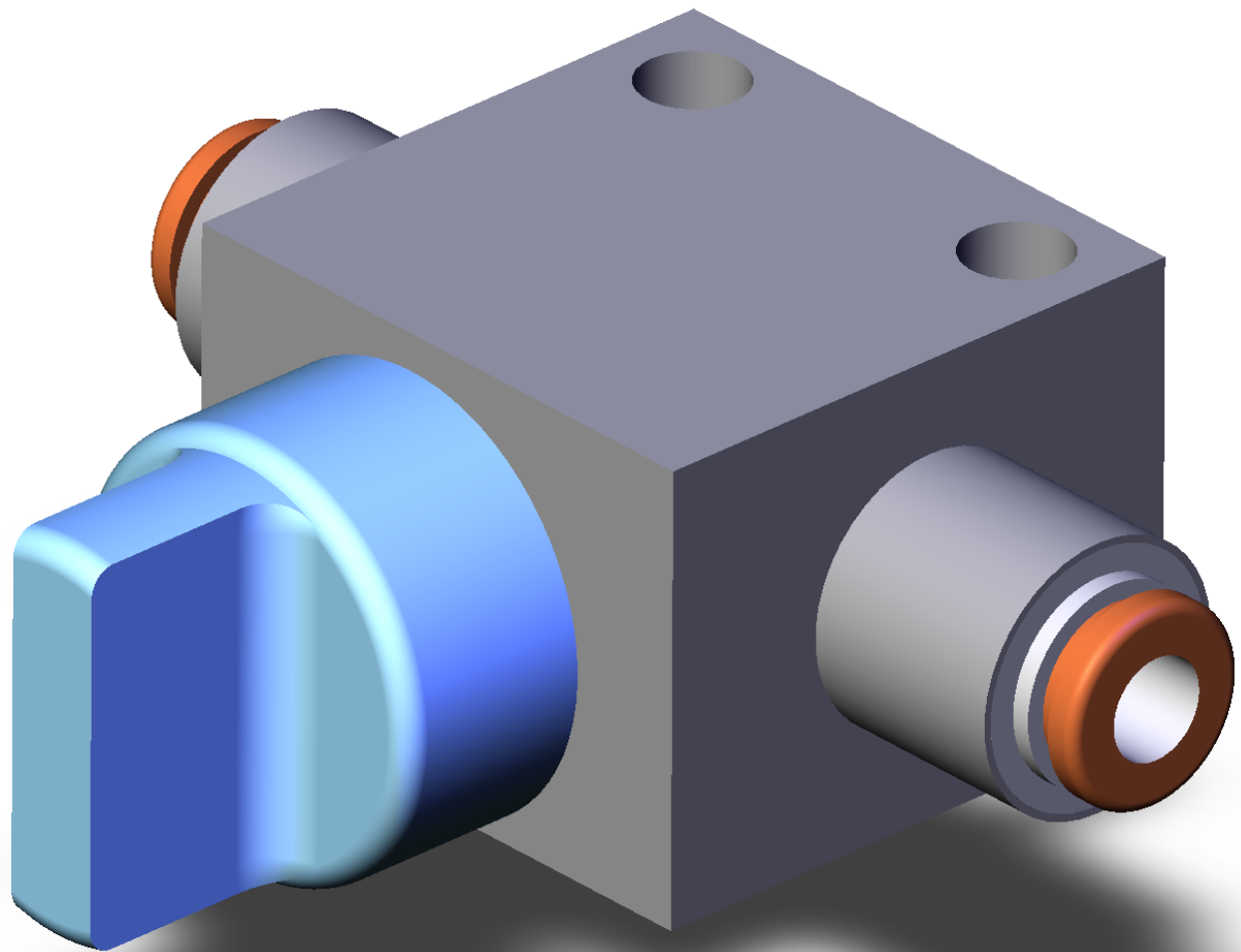


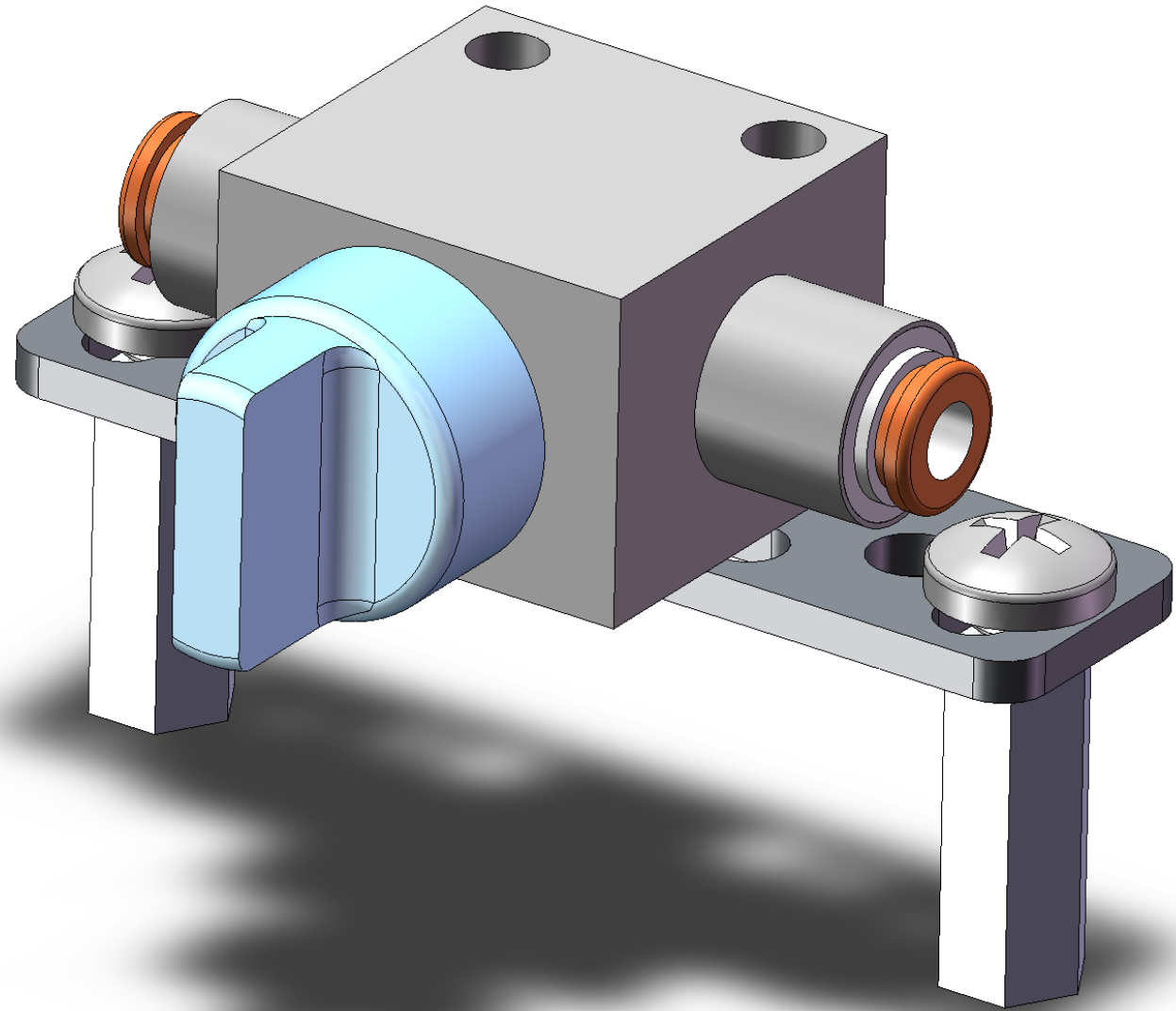


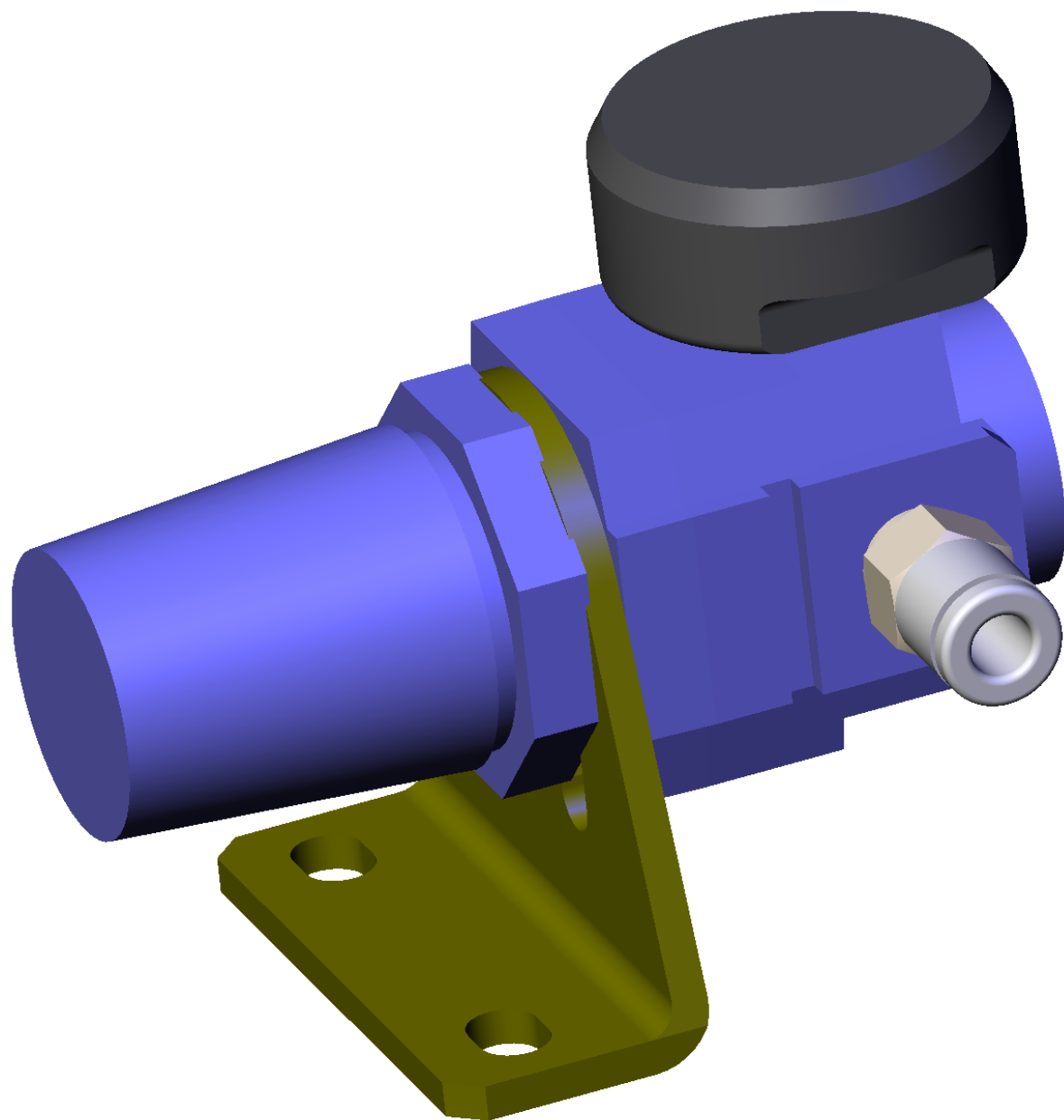


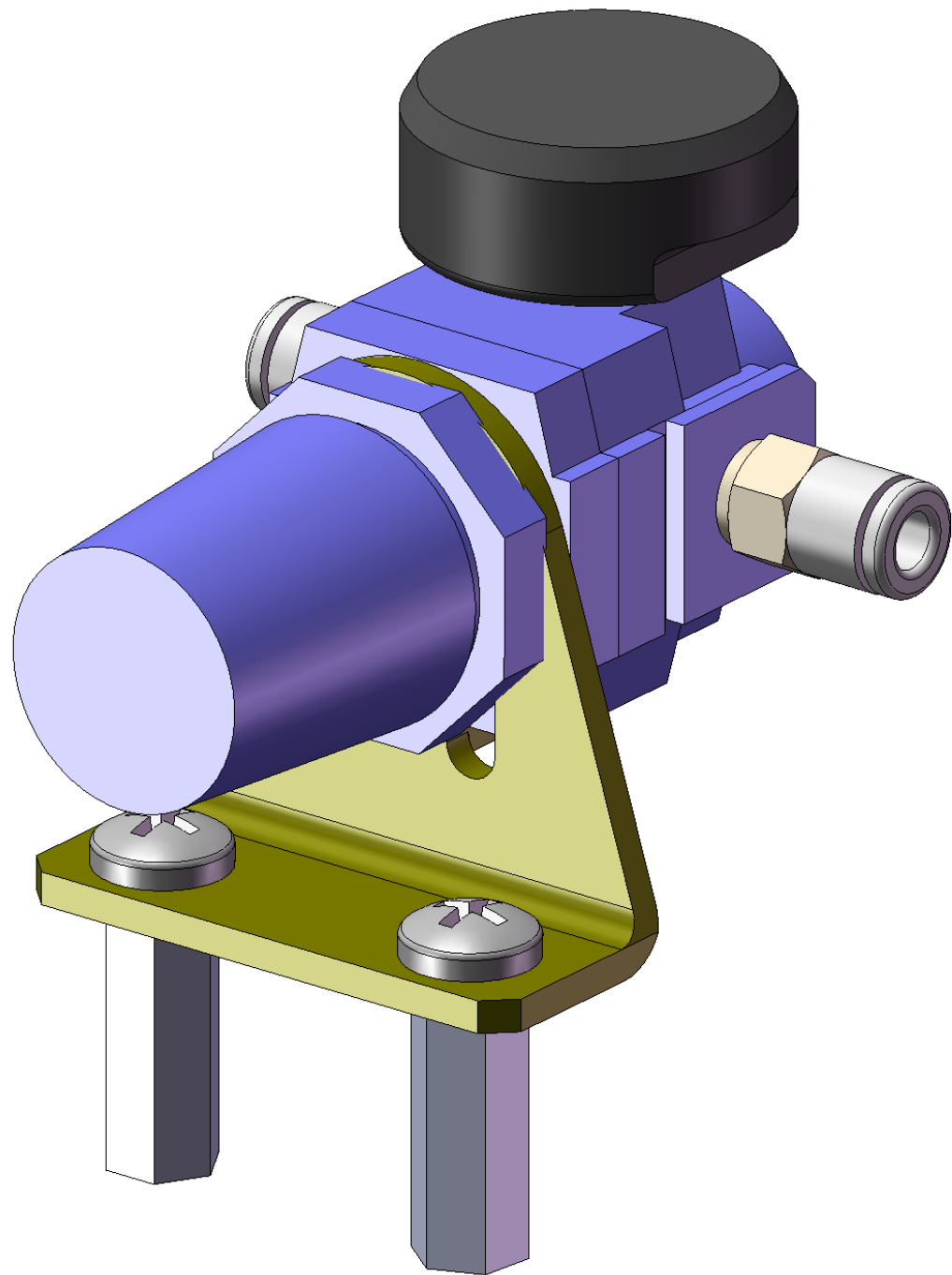


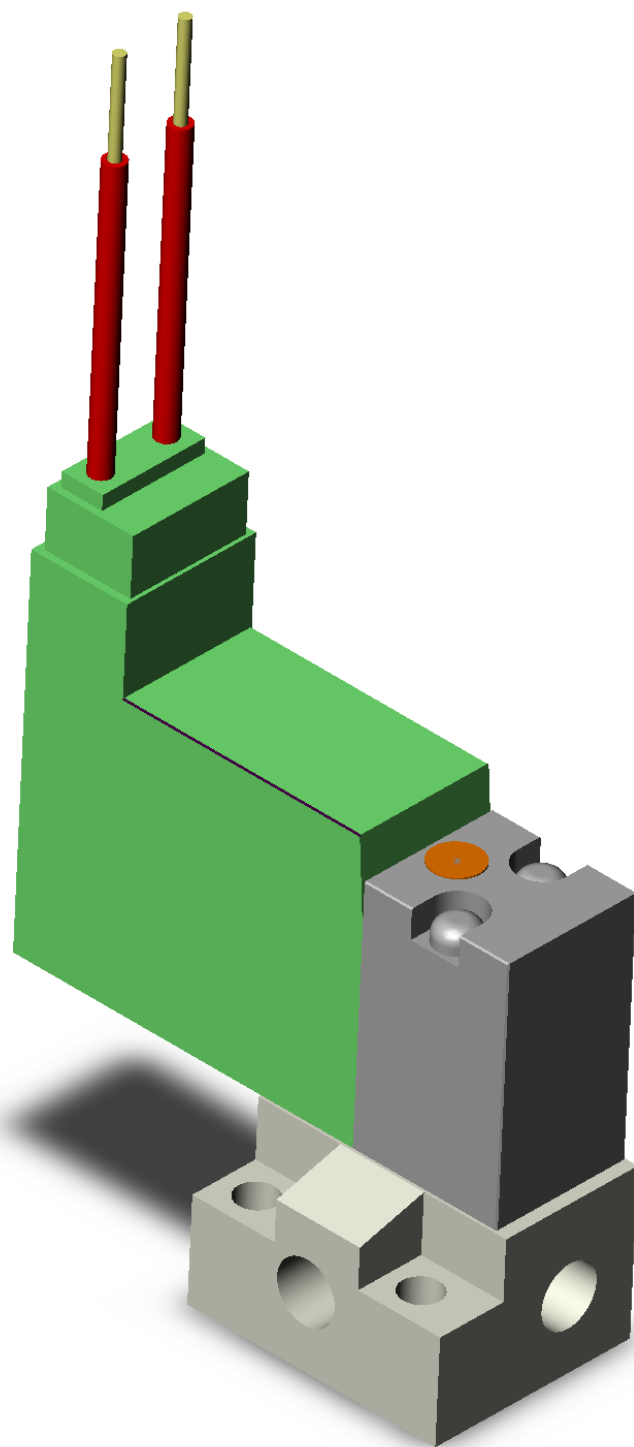


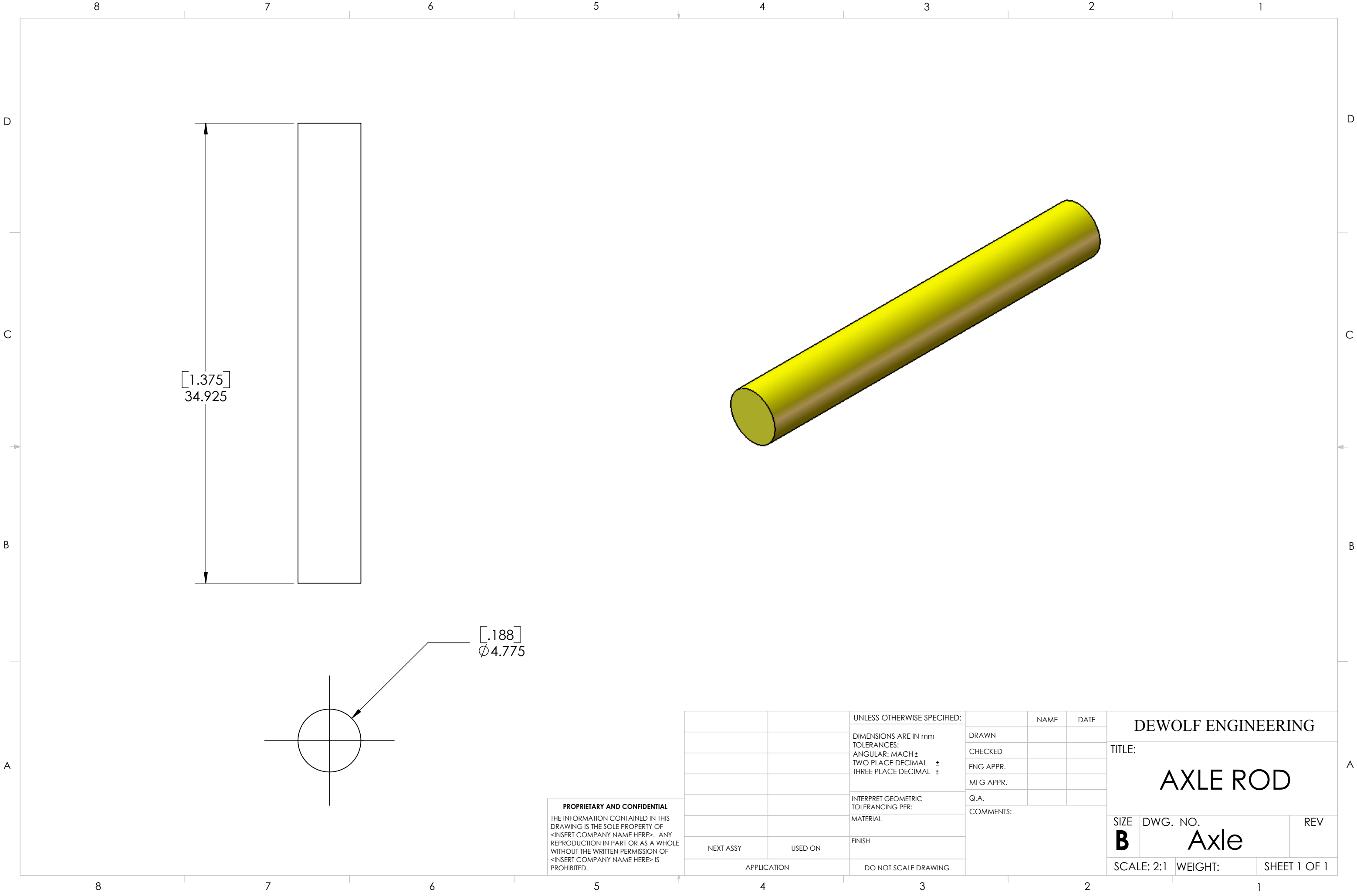






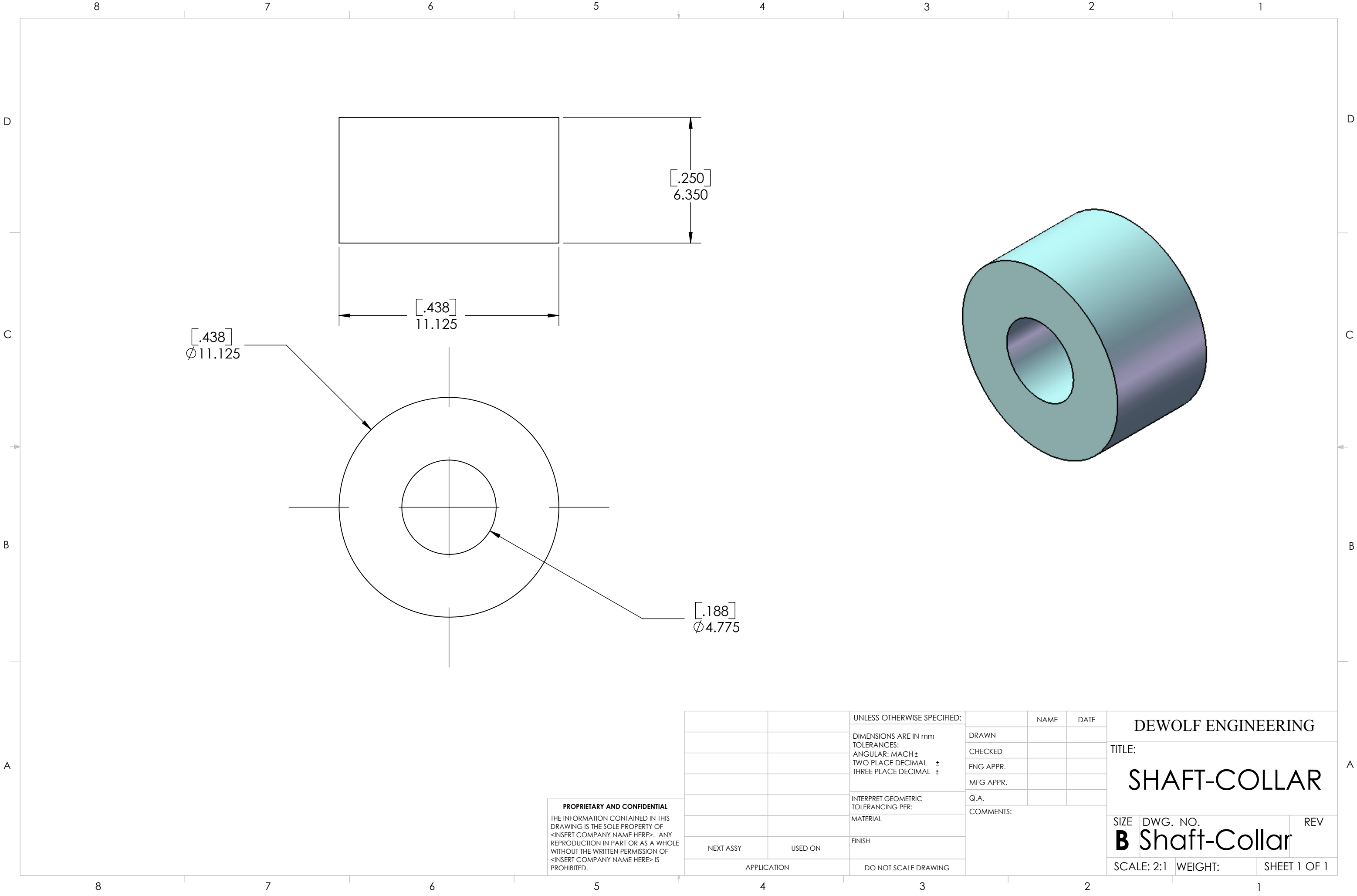


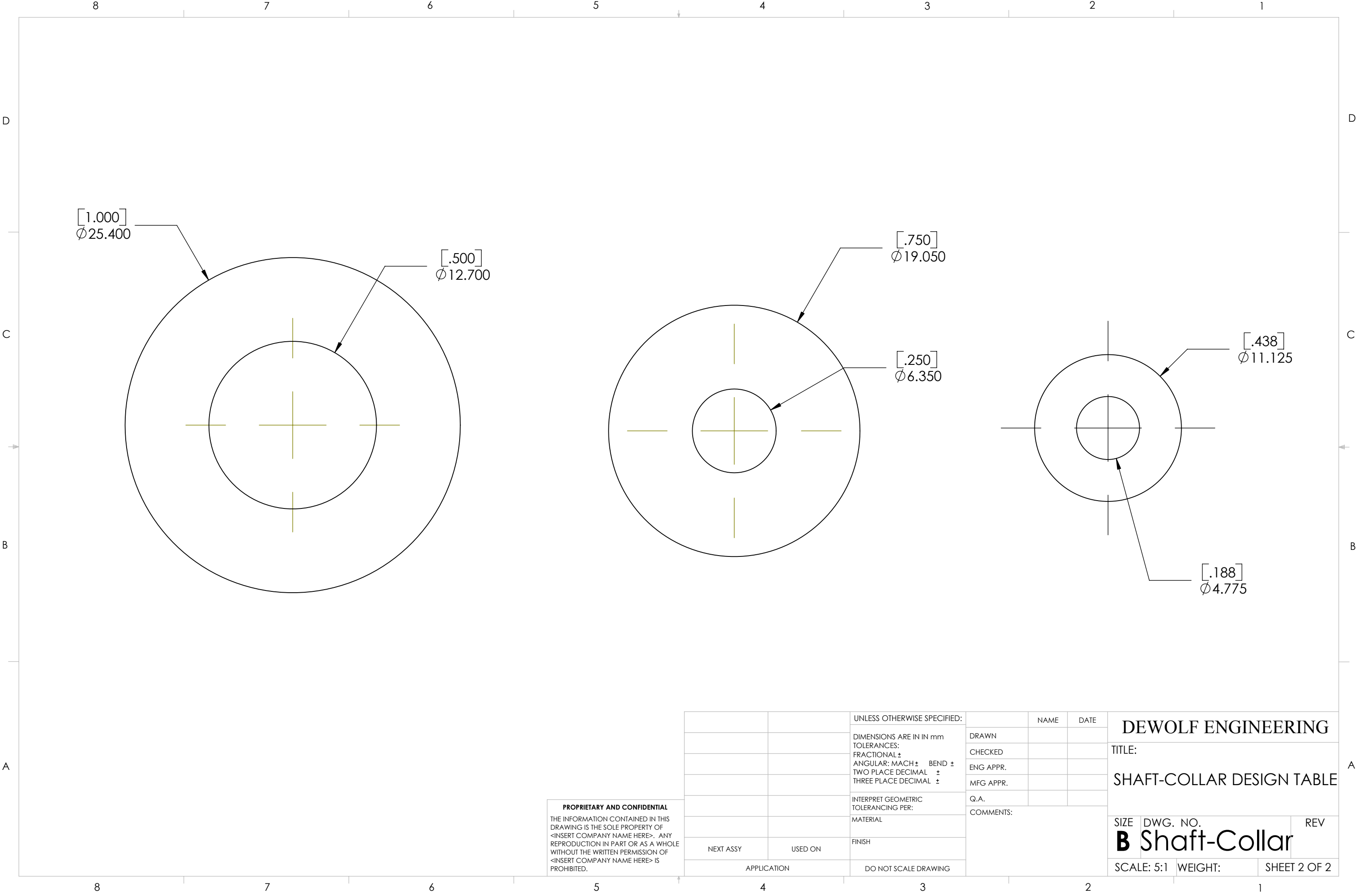


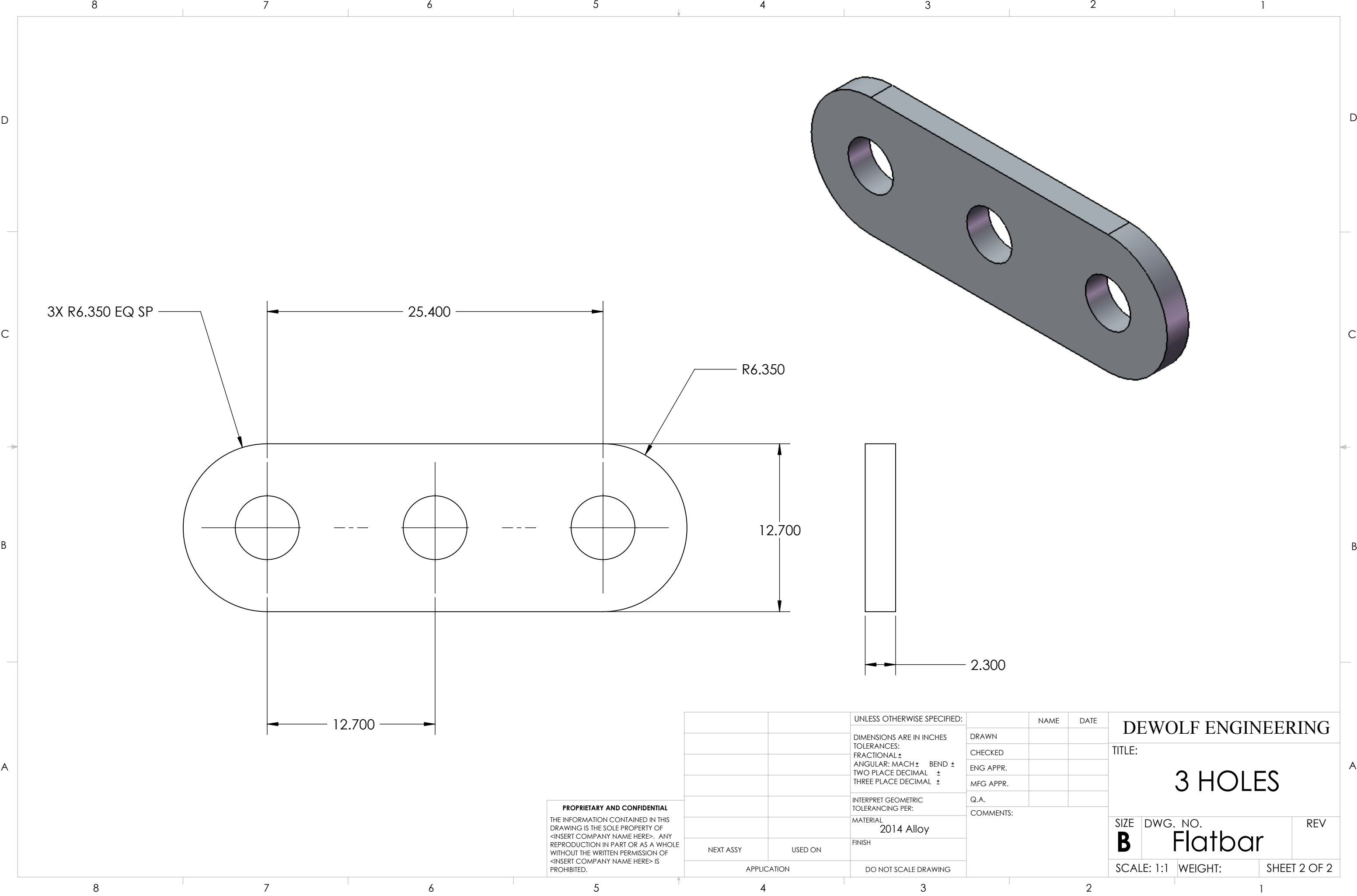


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		DIMENSIONS ARE IN mm	DRAWN			TITLE: AXLE ROD		
		TOLERANCES:	CHECKED					
		ANGULAR: MACH \pm	ENG APPR.					
		TWO PLACE DECIMAL \pm	MFG APPR.					
		THREE PLACE DECIMAL \pm	Q.A.					
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			SIZE	DWG. NO.	REV
		MATERIAL				B	Axle	
NEXT ASSY	USED ON	FINISH				SCALE: 2:1	WEIGHT:	SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING						

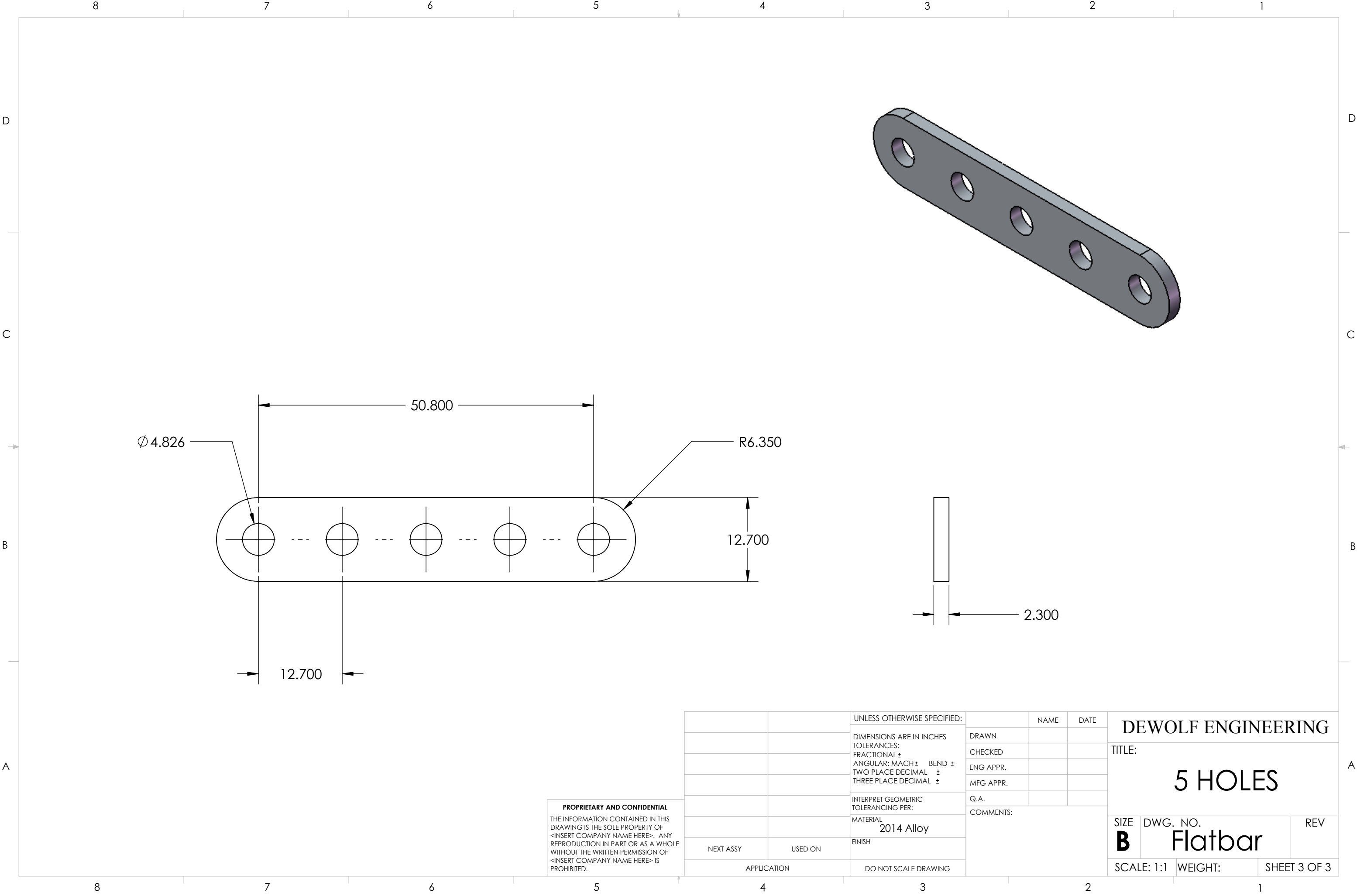






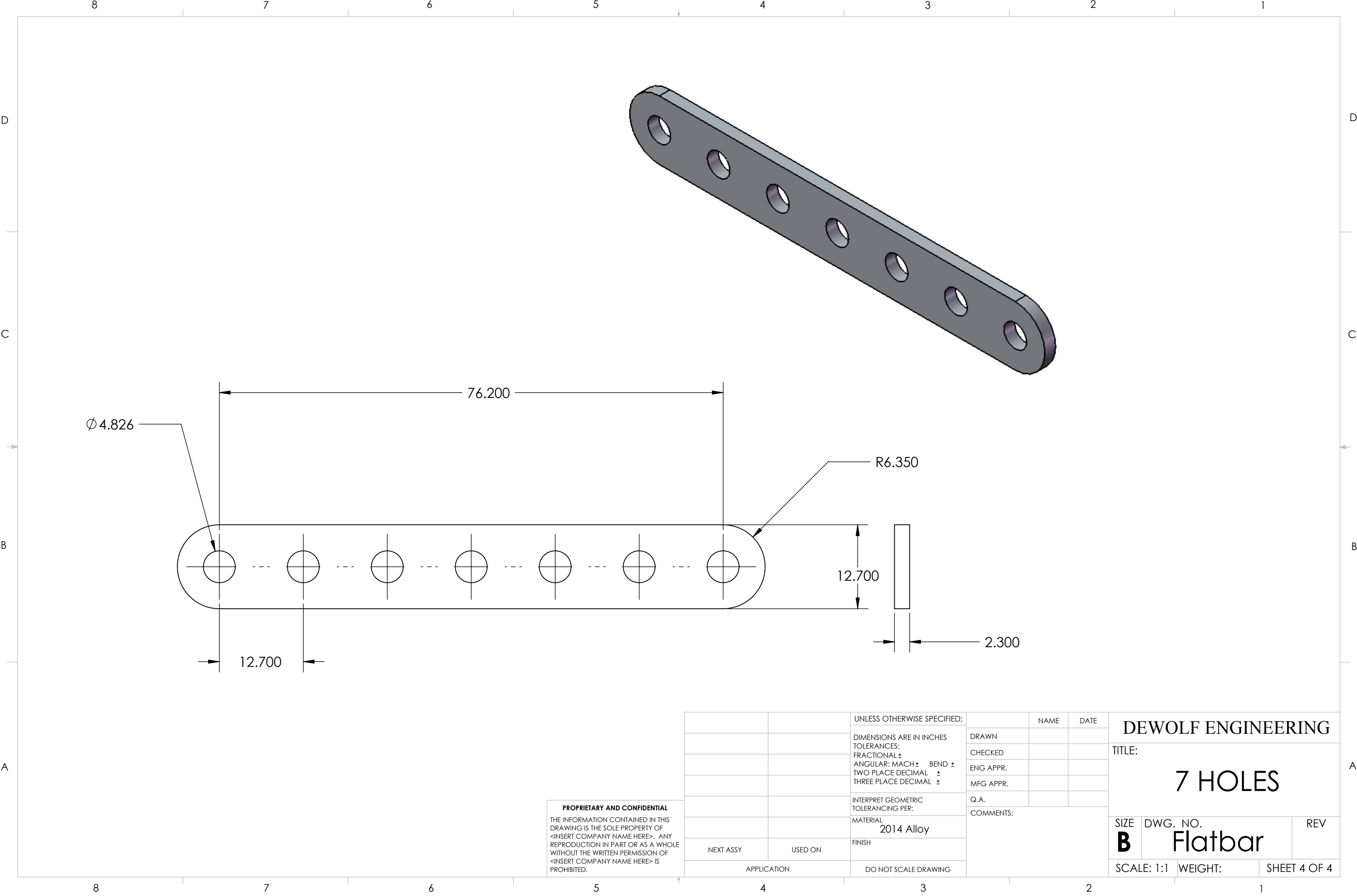
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	DEWOLF ENGINEERING		
		DIMENSIONS ARE IN INCHES		DRAWN		TITLE: 3 HOLES		
		TOLERANCES:		CHECKED				
		FRACTIONAL ±		ENG APPR.				
		ANGULAR: MACH ± BEND ±		MFG APPR.				
		TWO PLACE DECIMAL ±				SIZE DWG. NO. REV B Flatbar		
		THREE PLACE DECIMAL ±		Q.A.				
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:					
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NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1 WEIGHT: SHEET 2 OF 2		



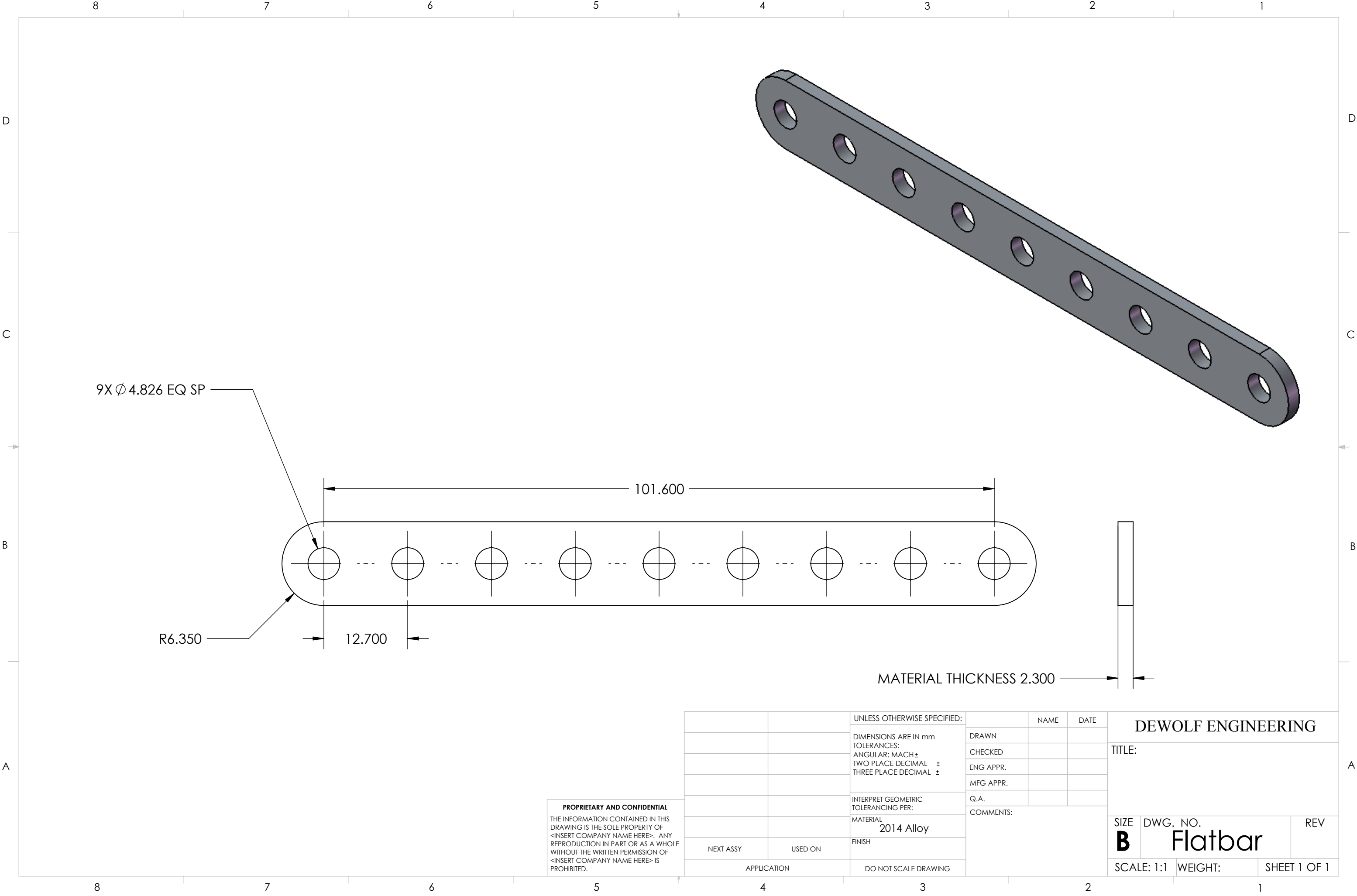
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			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV B Flatbar		
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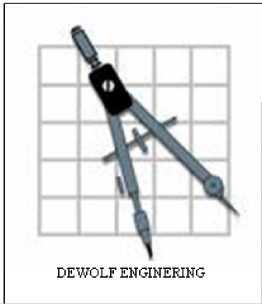
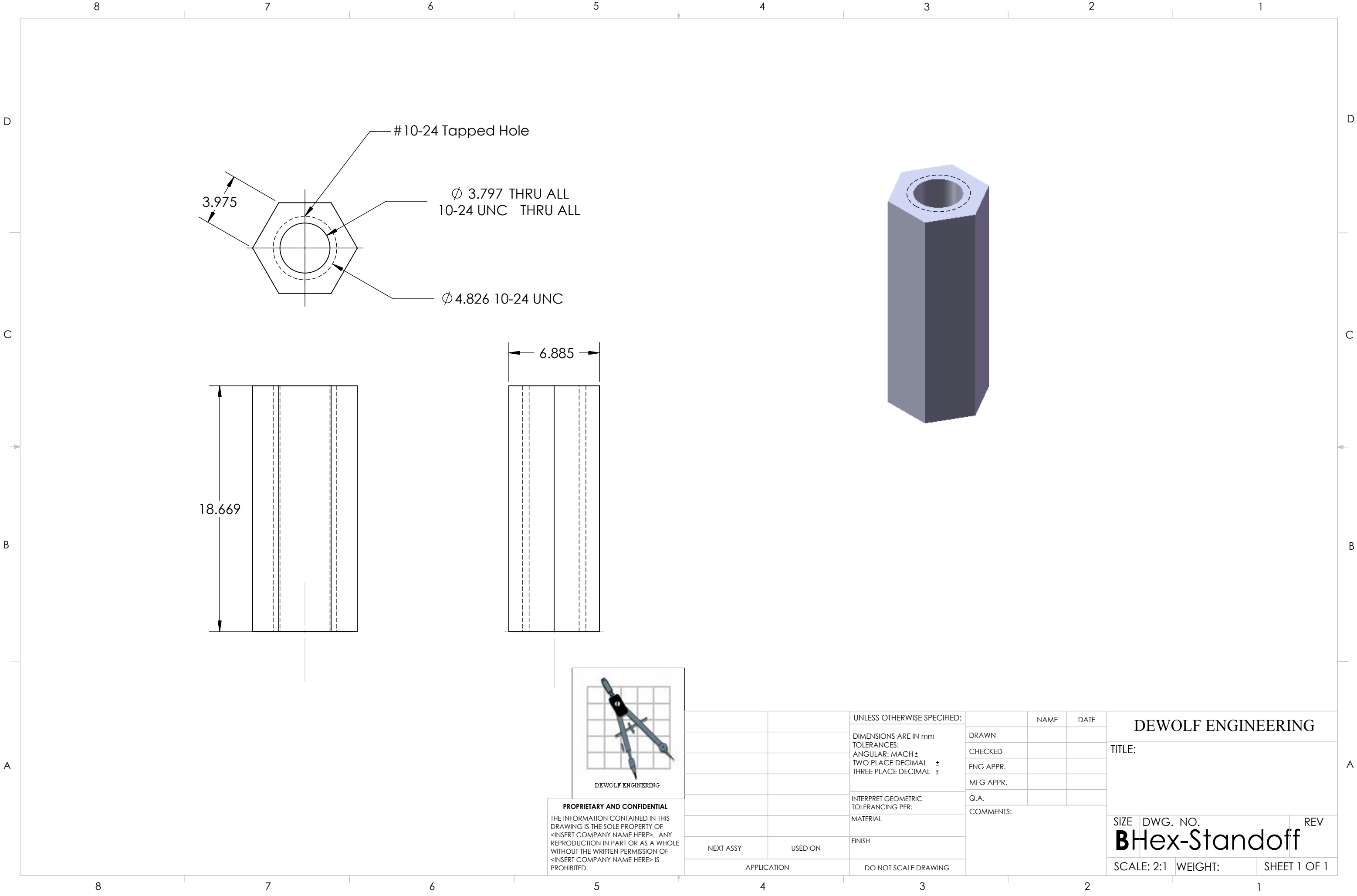
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			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV B Flatbar		
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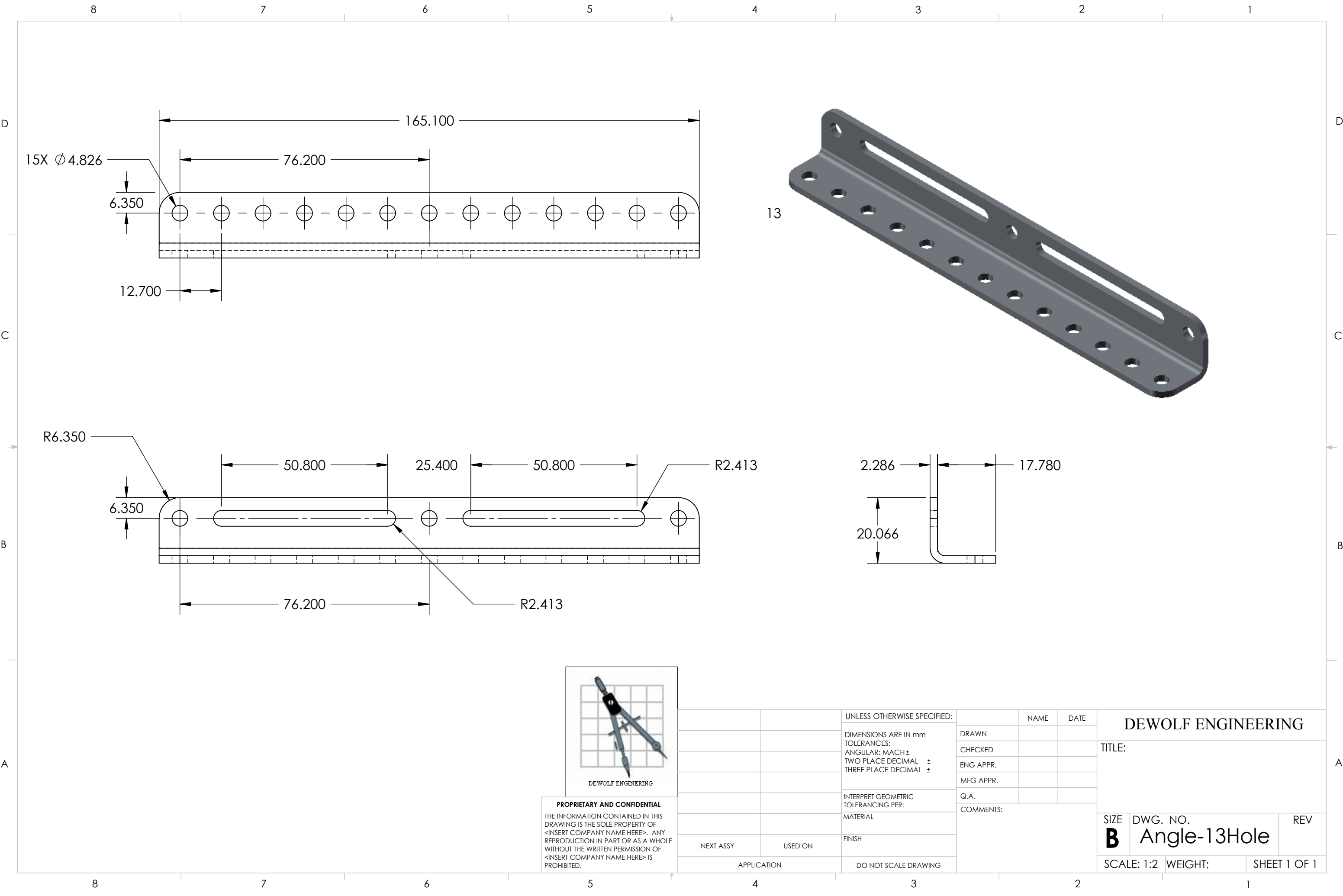
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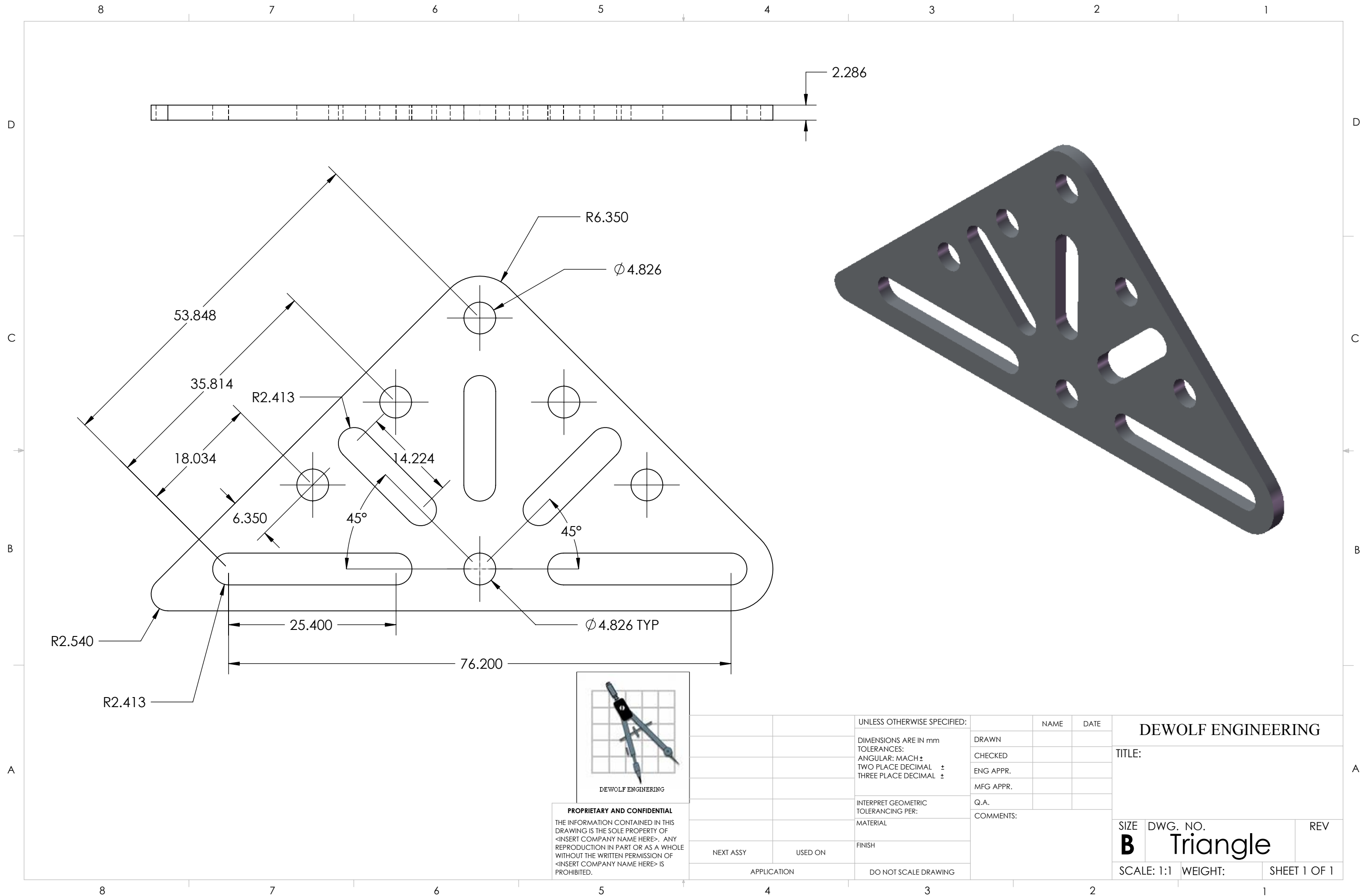
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			CHECKED					
			ENG APPR.					
			MFG APPR.					
			Q.A.					
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			SIZE	DWG. NO.	REV
		MATERIAL 2014 Alloy				B	Flatbar	
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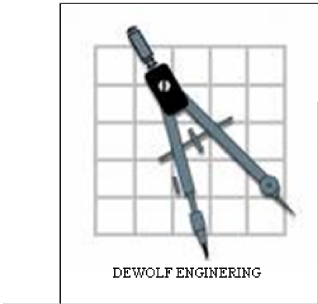
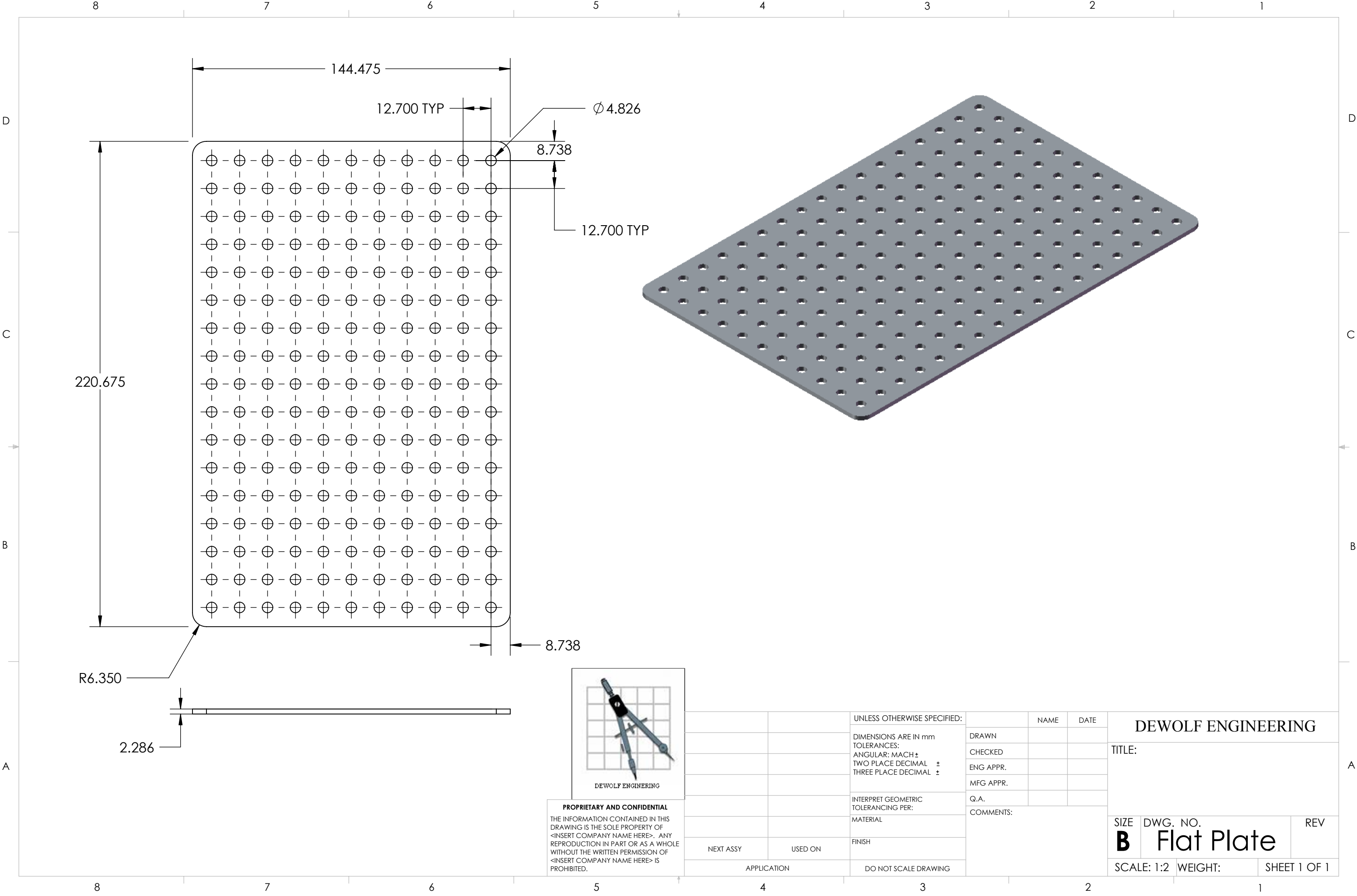


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			MFG APPR.					
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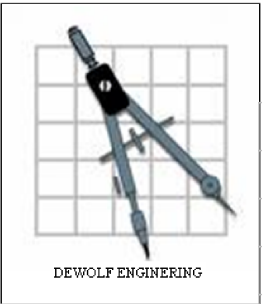
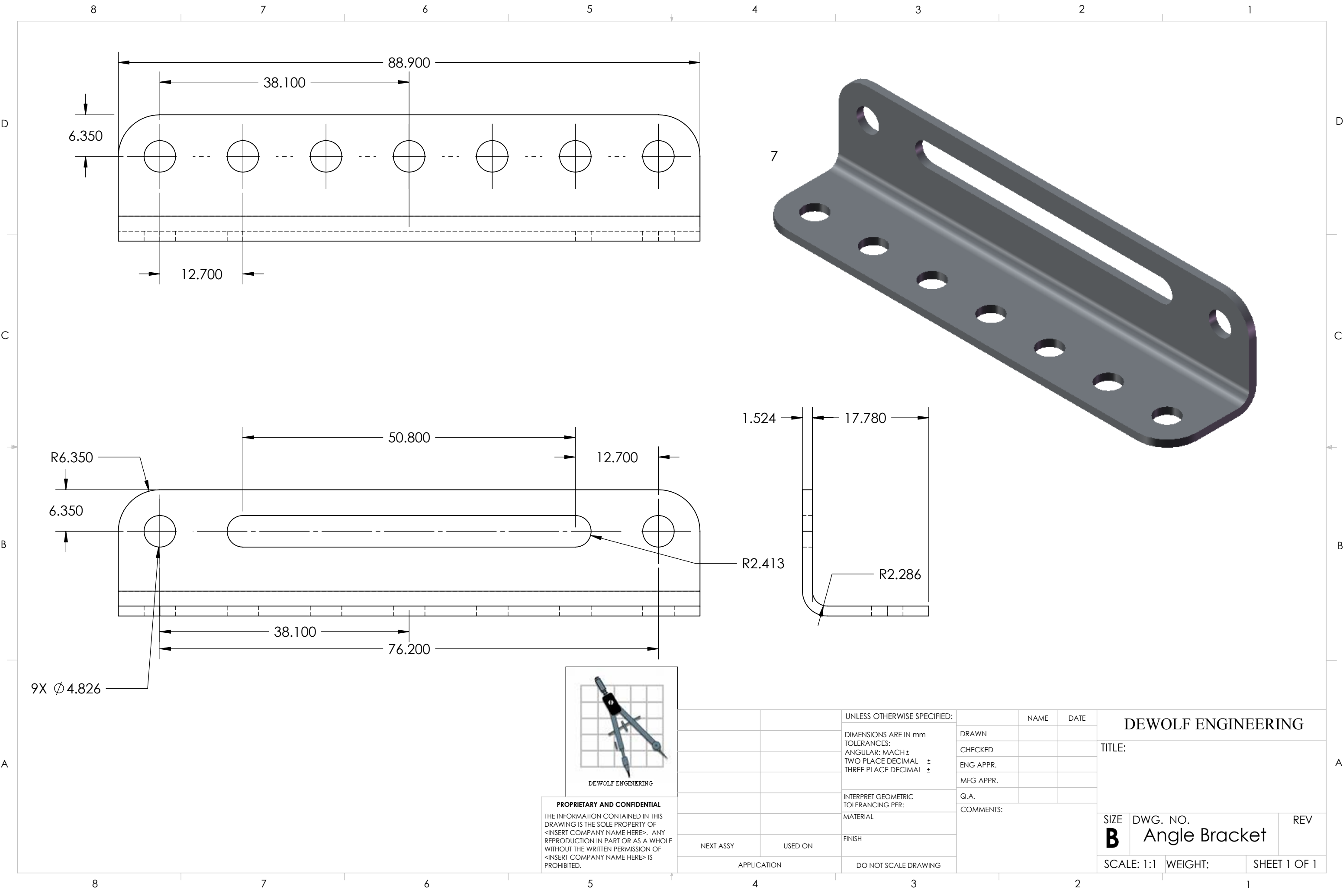






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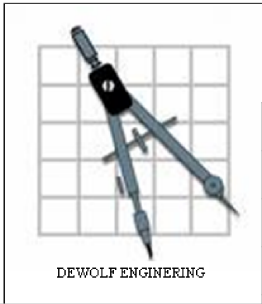
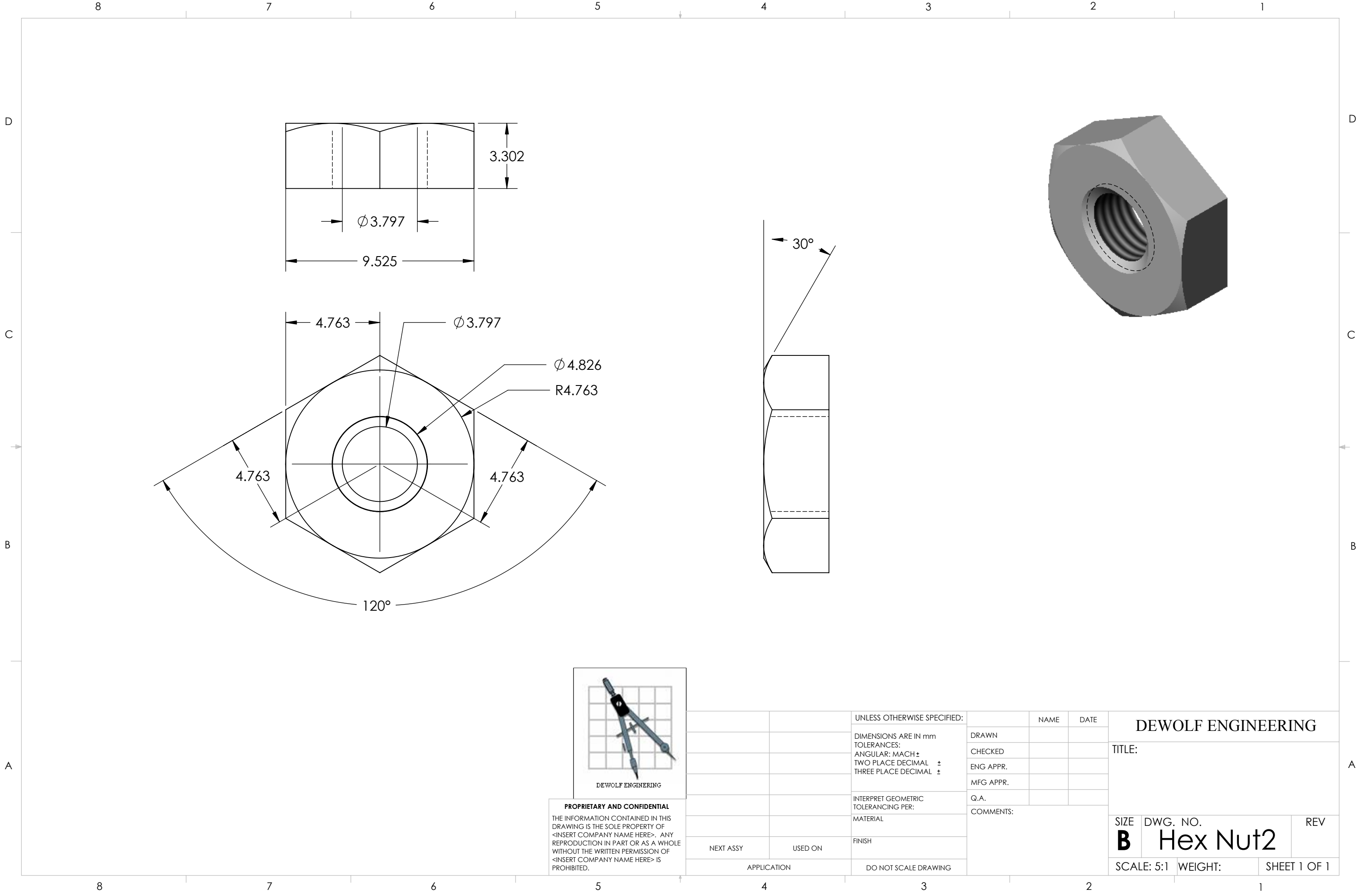
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			Q.A.					
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		MATERIAL						
		FINISH						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING						
						SIZE	DWG. NO.	REV
						B	Flat Plate	
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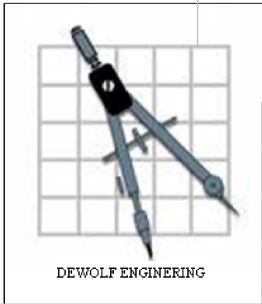
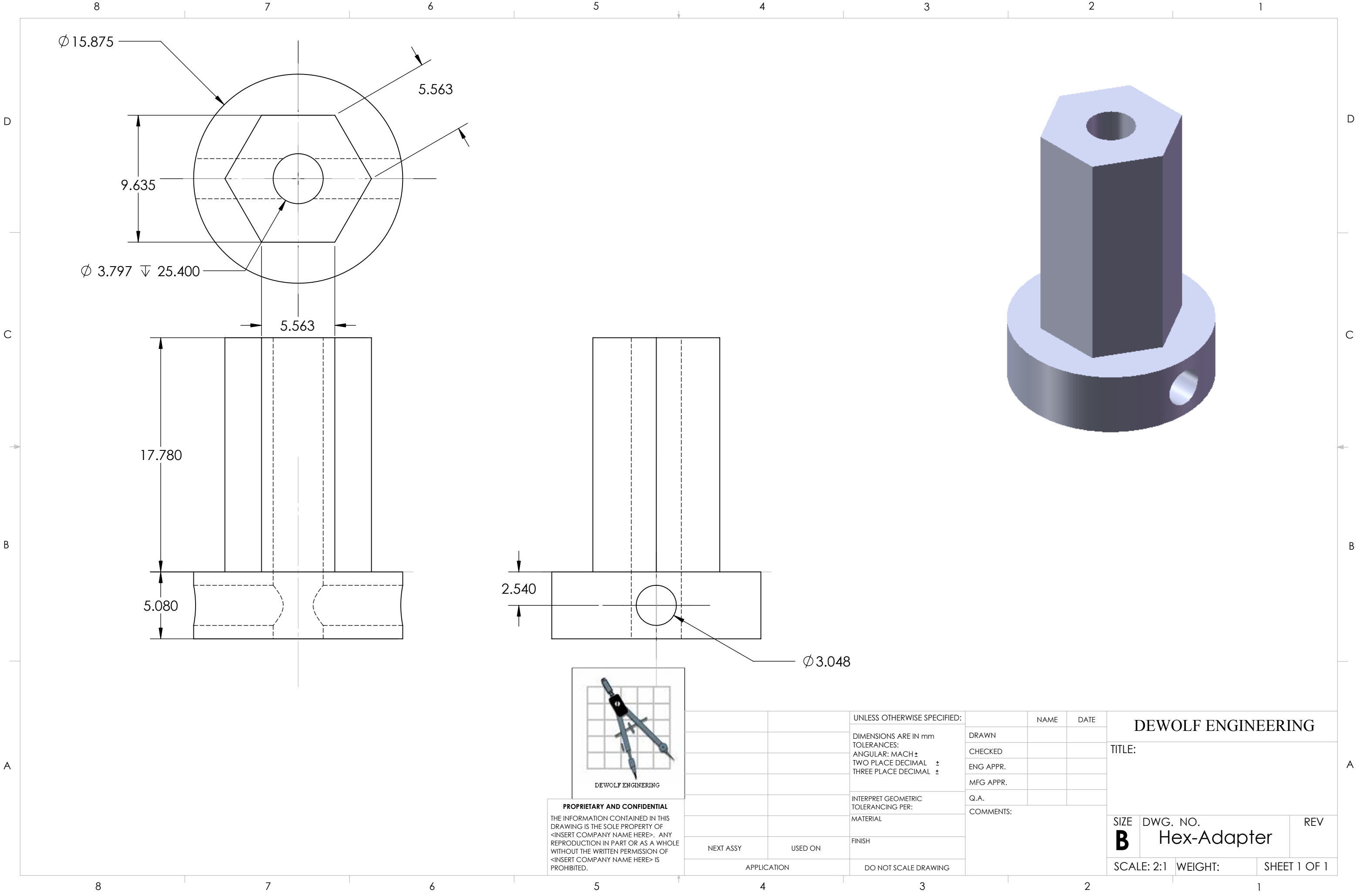
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			Q.A.						
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		MATERIAL							
		FINISH							
NEXT ASSY	USED ON								
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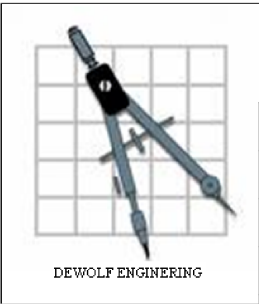
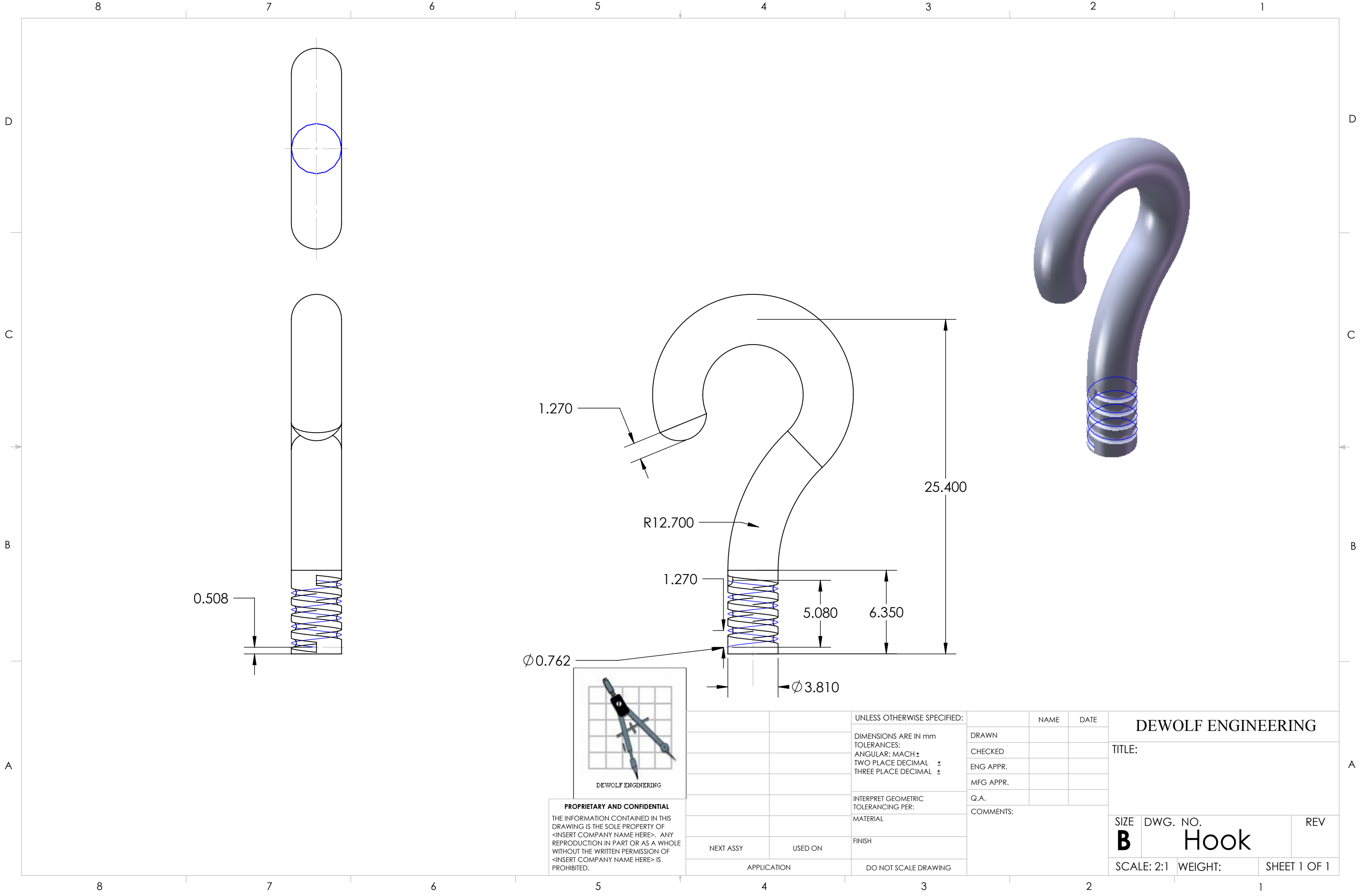
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NEXT ASSY	USED ON	FINISH						
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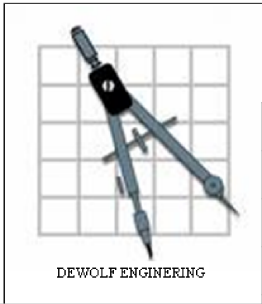
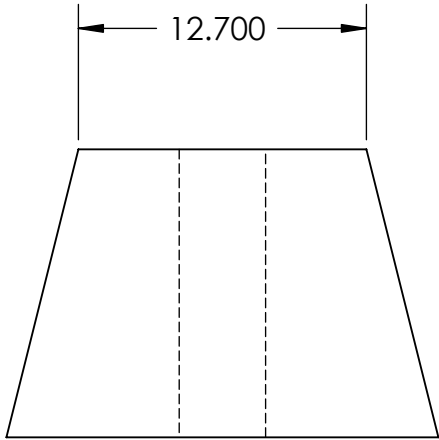
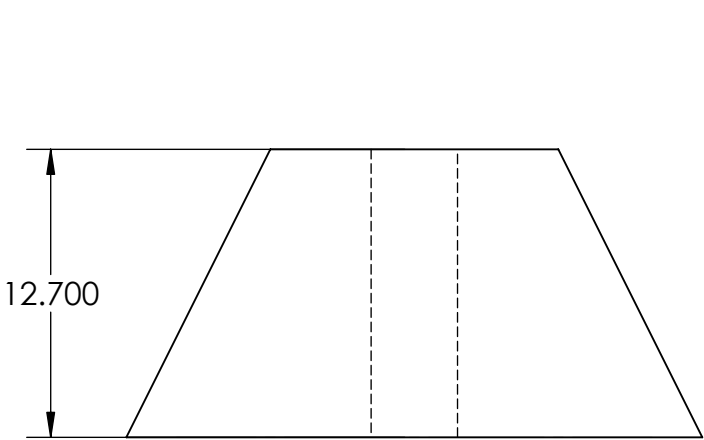
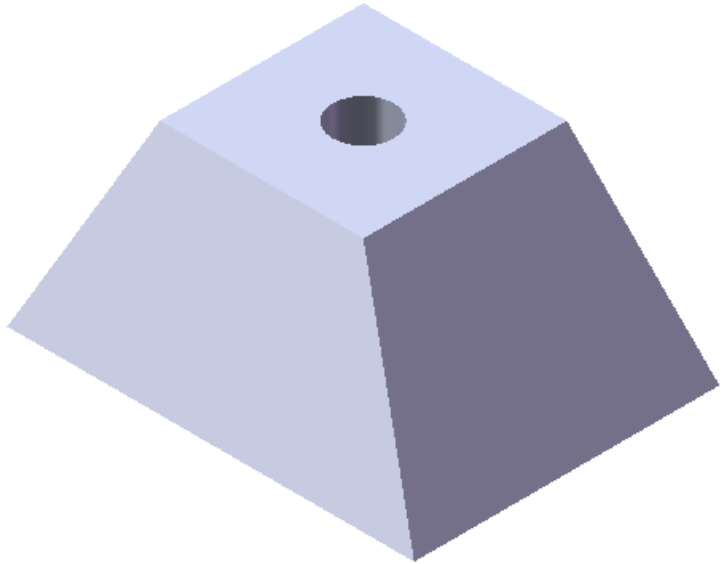
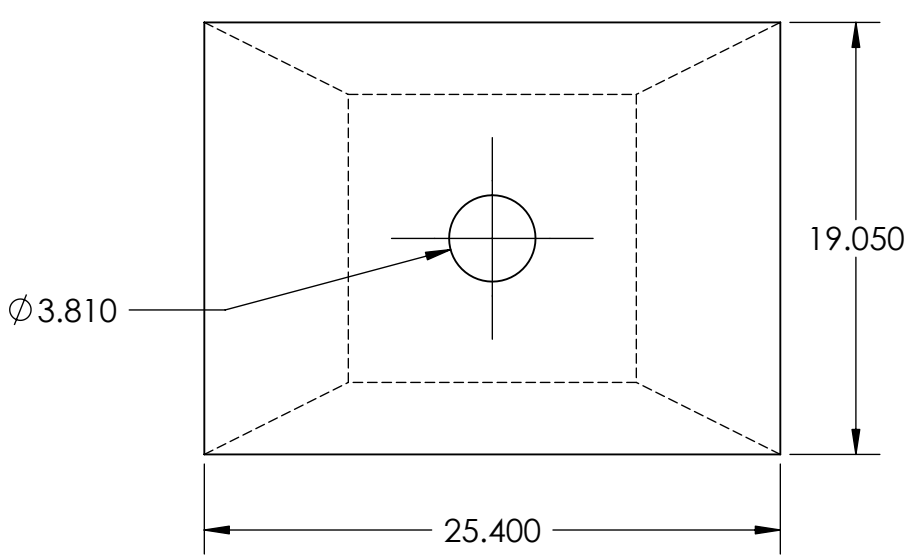
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APPLICATION							



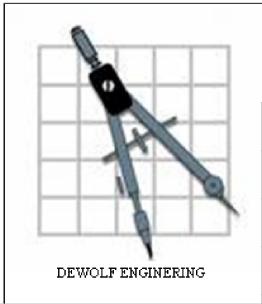
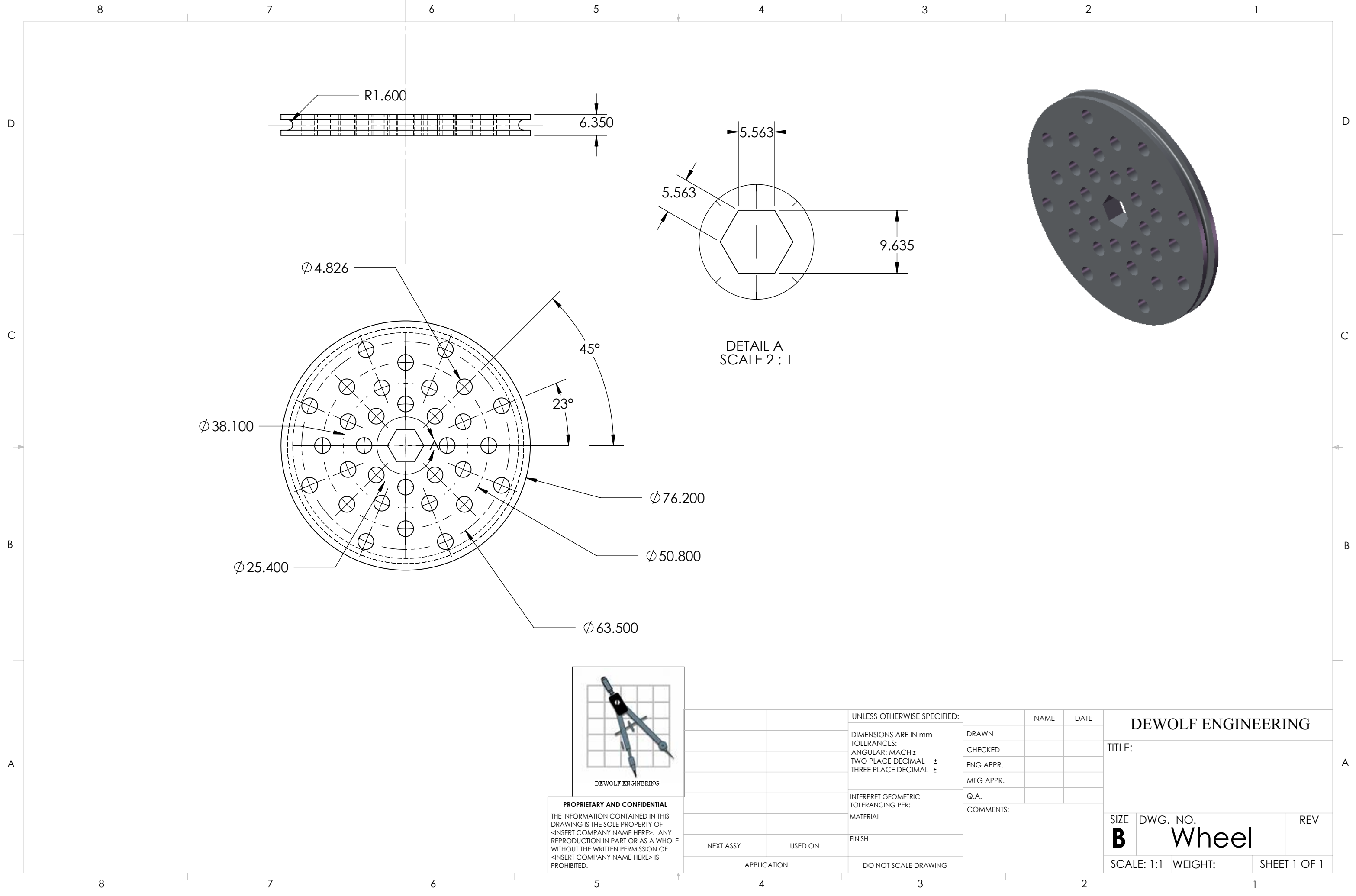
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		DIMENSIONS ARE IN mm		DRAWN		TITLE:	
		TOLERANCES:		CHECKED			
		ANGULAR: MACH \pm		ENG APPR.			
		TWO PLACE DECIMAL \pm		MFG APPR.			
		THREE PLACE DECIMAL \pm		Q.A.		SIZE	
		INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:		DWG. NO.	
		MATERIAL				Hook	
		FINISH				REV	
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 2:1	WEIGHT:
						SHEET 1 OF 1	



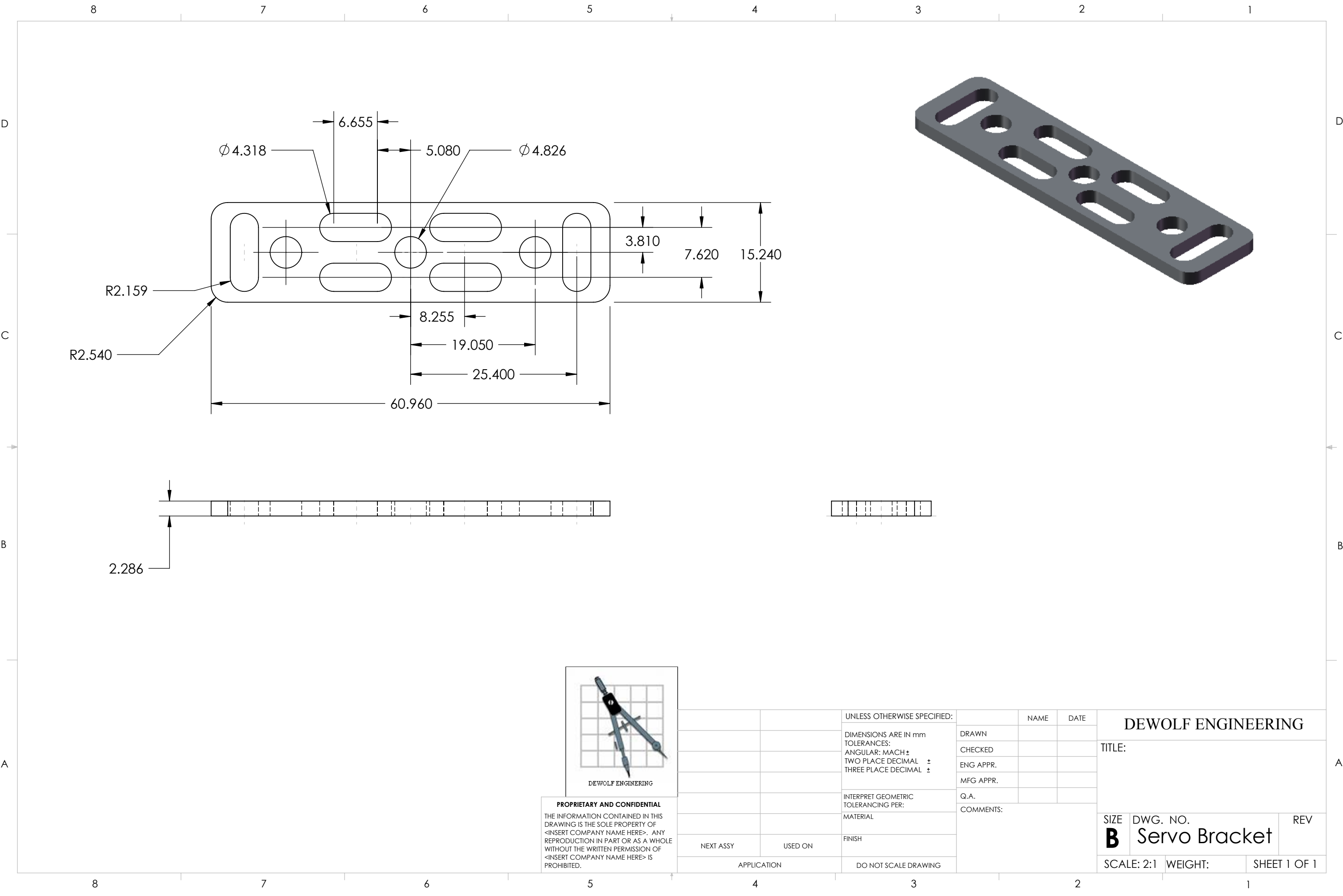
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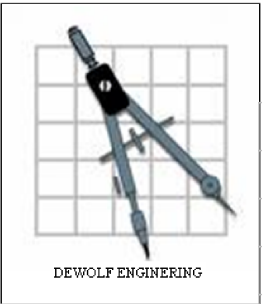
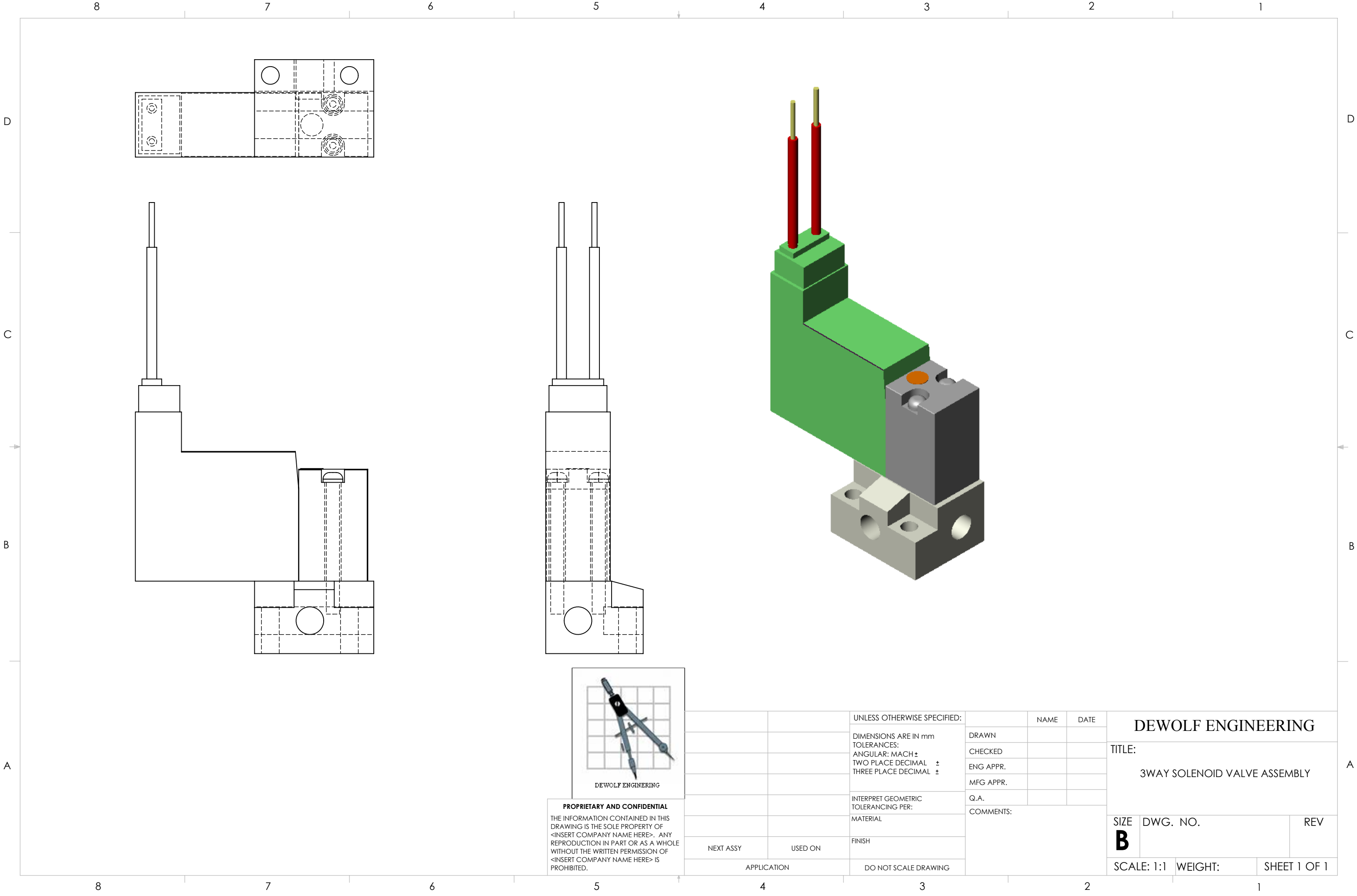
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		TWO PLACE DECIMAL ±	MFG APPR.				
		THREE PLACE DECIMAL ±	Q.A.				
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			SIZE	DWG. NO.
		MATERIAL				B	Weight
		FINISH				SCALE: 2:1	WEIGHT:
NEXT ASSY	USED ON	DO NOT SCALE DRAWING				SHEET 1 OF 1	
APPLICATION							



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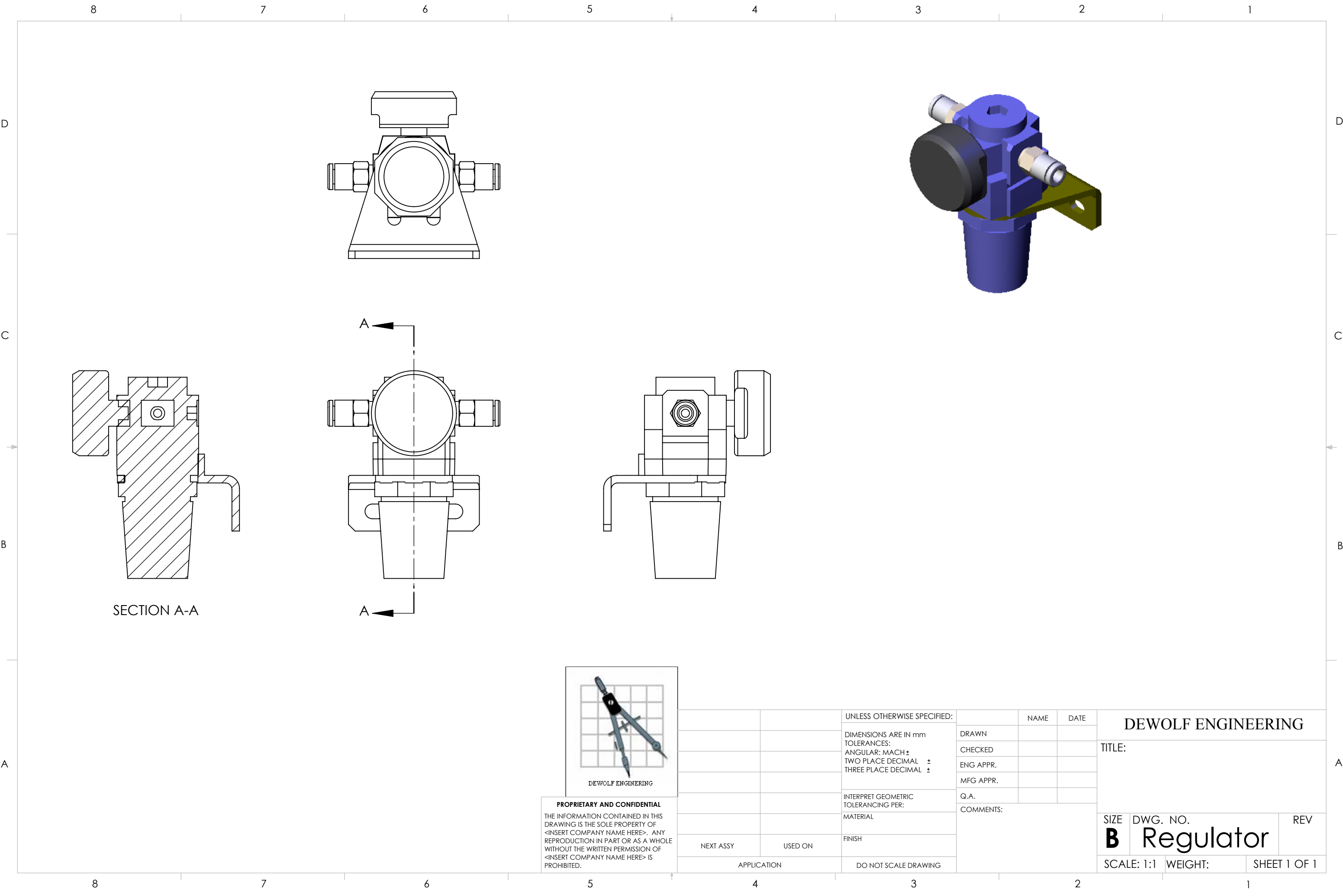
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		ANGULAR: MACH ±	ENG APPR.				
		TWO PLACE DECIMAL ±	MFG APPR.				
		THREE PLACE DECIMAL ±	Q.A.			SIZE	
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		MATERIAL				Wheel	
		FINISH				REV	
NEXT ASSY	USED ON	DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:
APPLICATION						SHEET 1 OF 1	

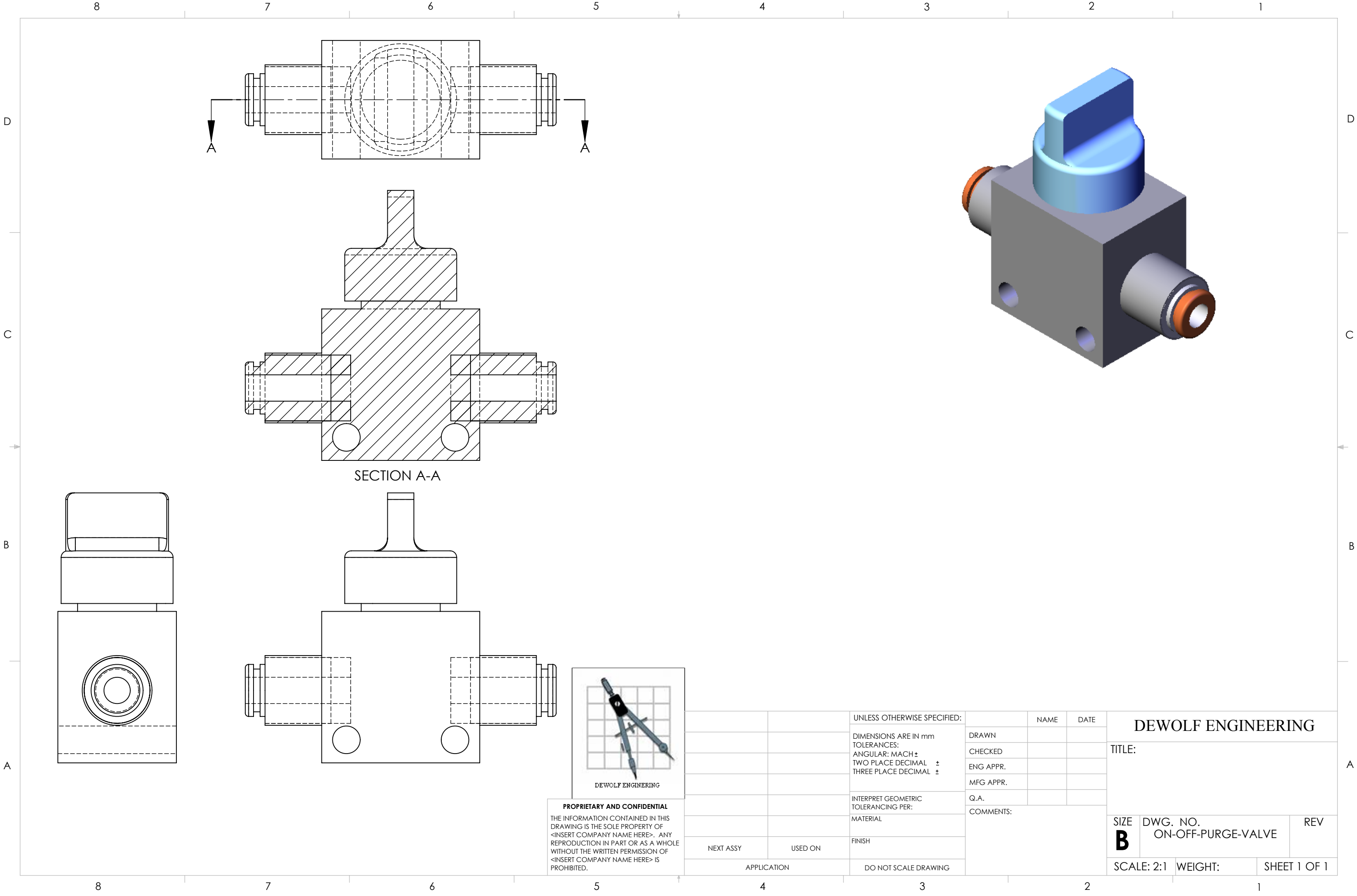


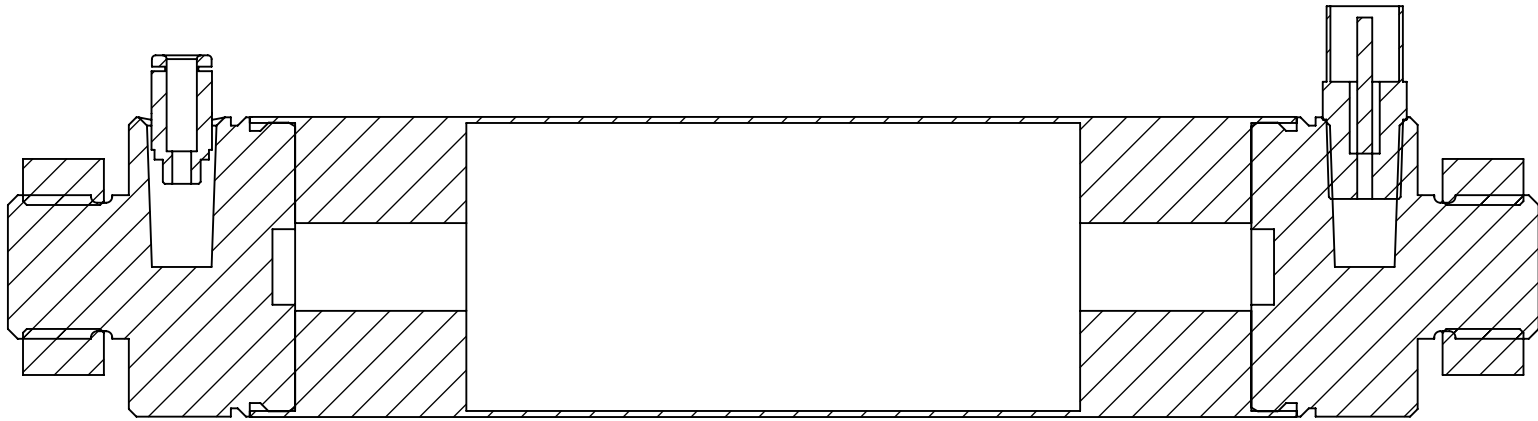
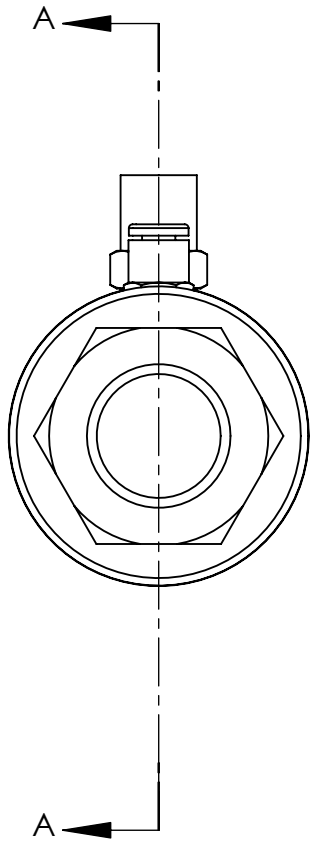


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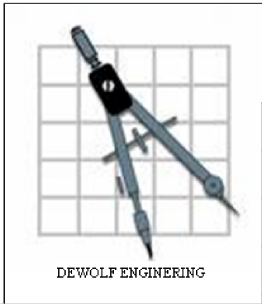
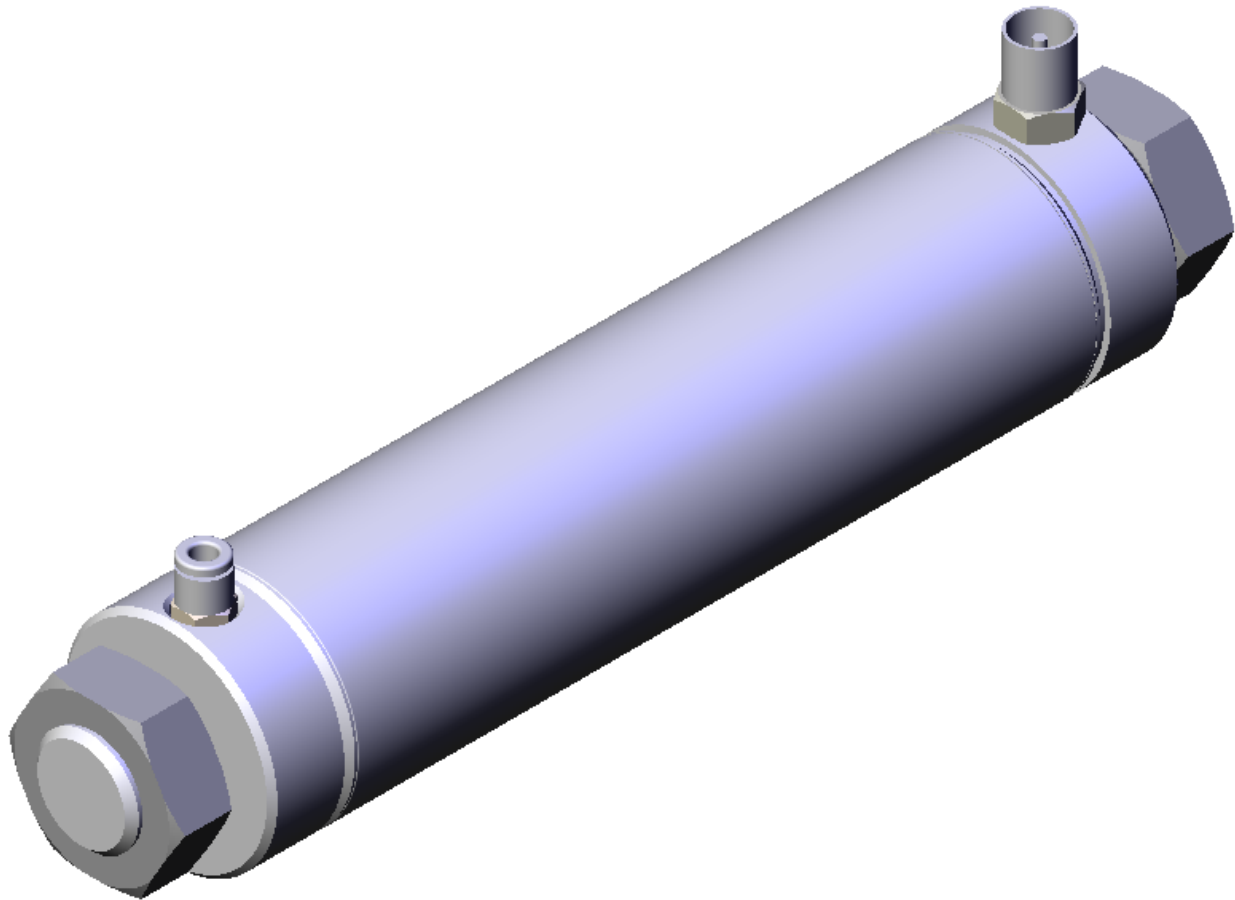
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			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE B		
		MATERIAL	COMMENTS:					
		FINISH				DWG. NO.	REV	
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 1 OF 1





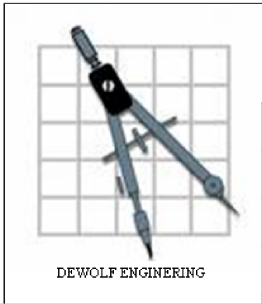
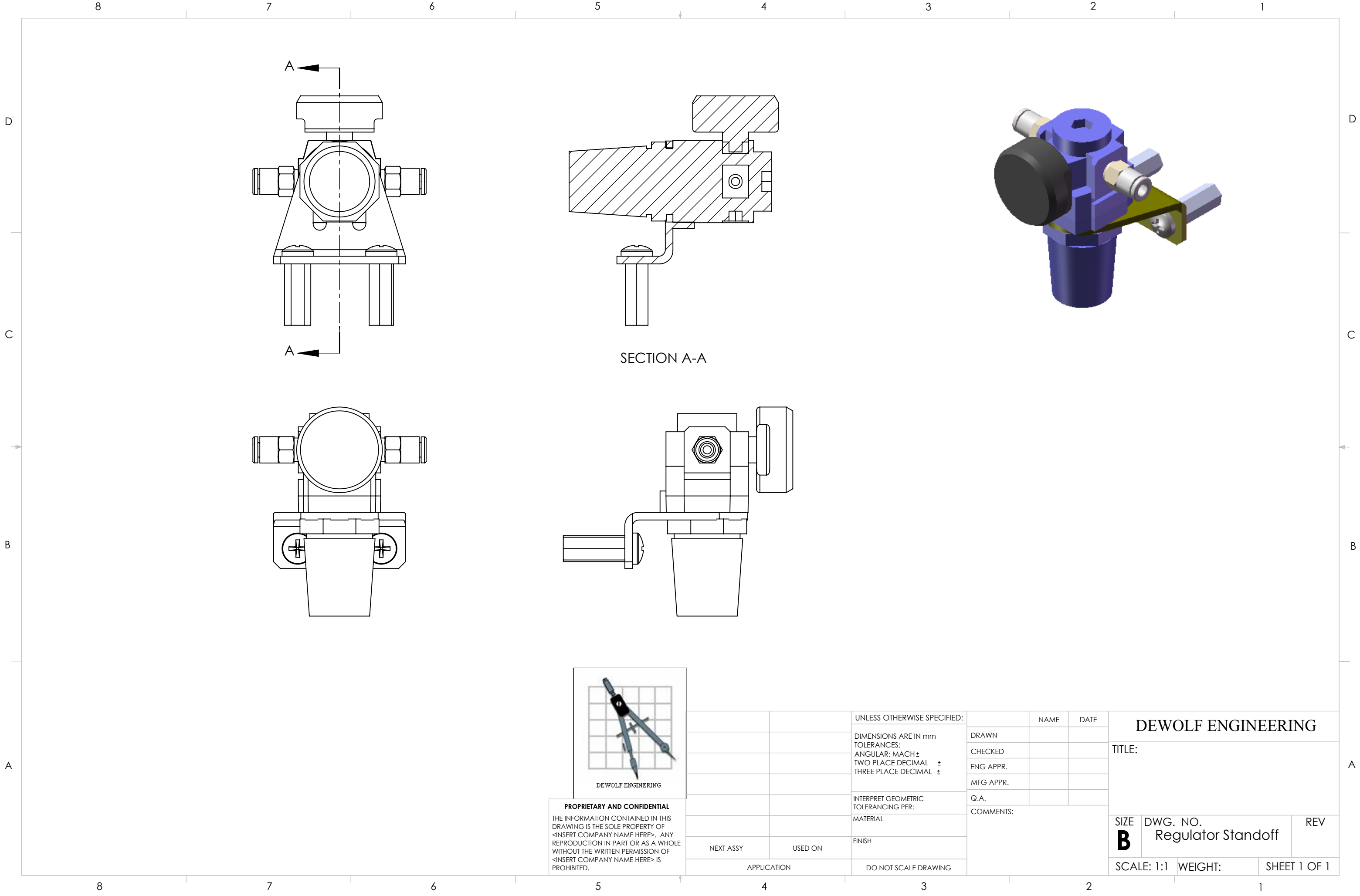


SECTION A-A



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	DEWOLF ENGINEERING		
		DIMENSIONS ARE IN mm	DRAWN			TITLE:		
		TOLERANCES:	CHECKED					
		ANGULAR: MACH ±	ENG APPR.					
		TWO PLACE DECIMAL ±	MFG APPR.					
		THREE PLACE DECIMAL ±	Q.A.			SIZE DWG. NO. REV		
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:					
		MATERIAL				B	Reservoir	
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

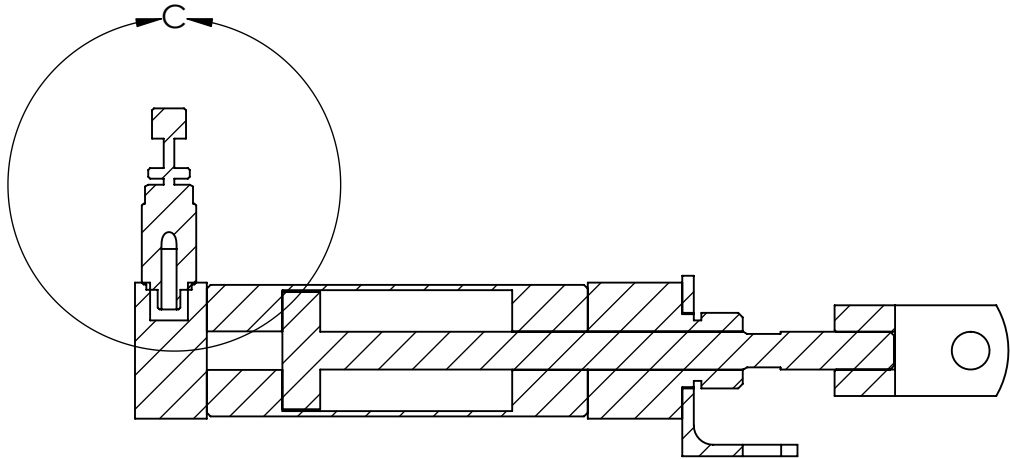


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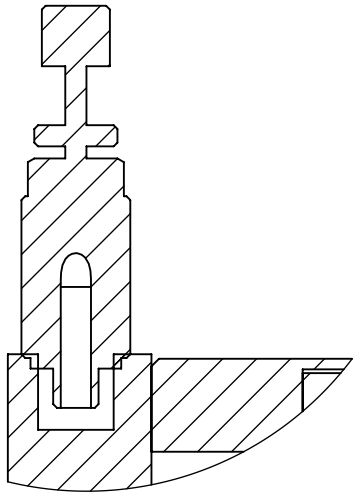
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		ANGULAR: MACH ±	ENG APPR.				
		TWO PLACE DECIMAL ±	MFG APPR.				
		THREE PLACE DECIMAL ±	Q.A.			SIZE	
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			DWG. NO.	
		MATERIAL				Regulator Standoff	
		FINISH				REV	
NEXT ASSY	USED ON	DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:
APPLICATION						SHEET 1 OF 1	

8 7 6 5 4 3 2 1

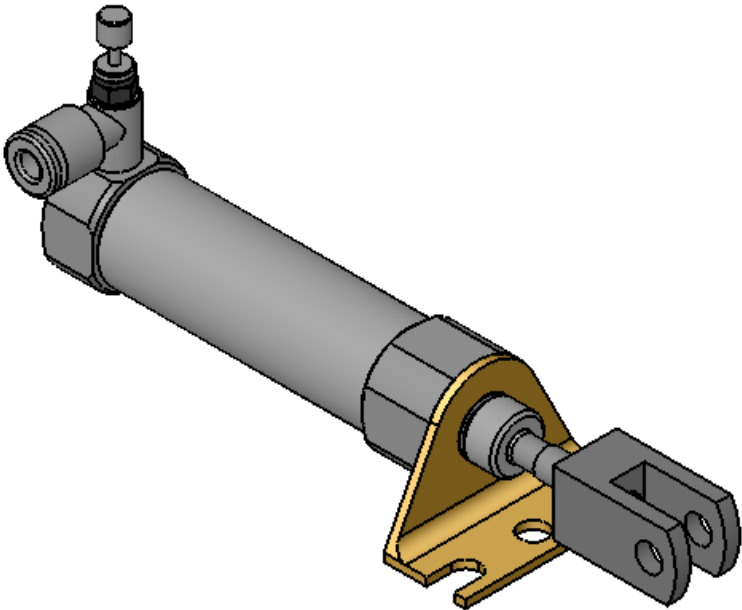
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SECTION B-B



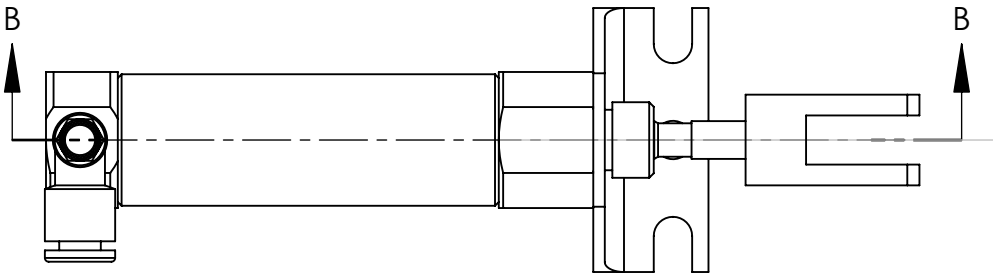
DETAIL C
SCALE 2 : 1



D

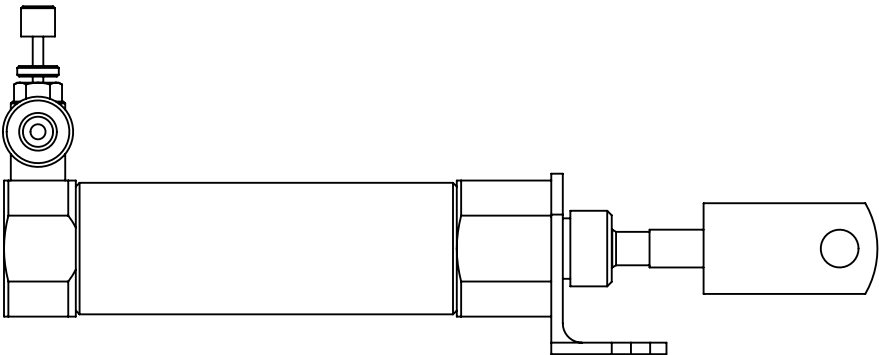
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C



B

B



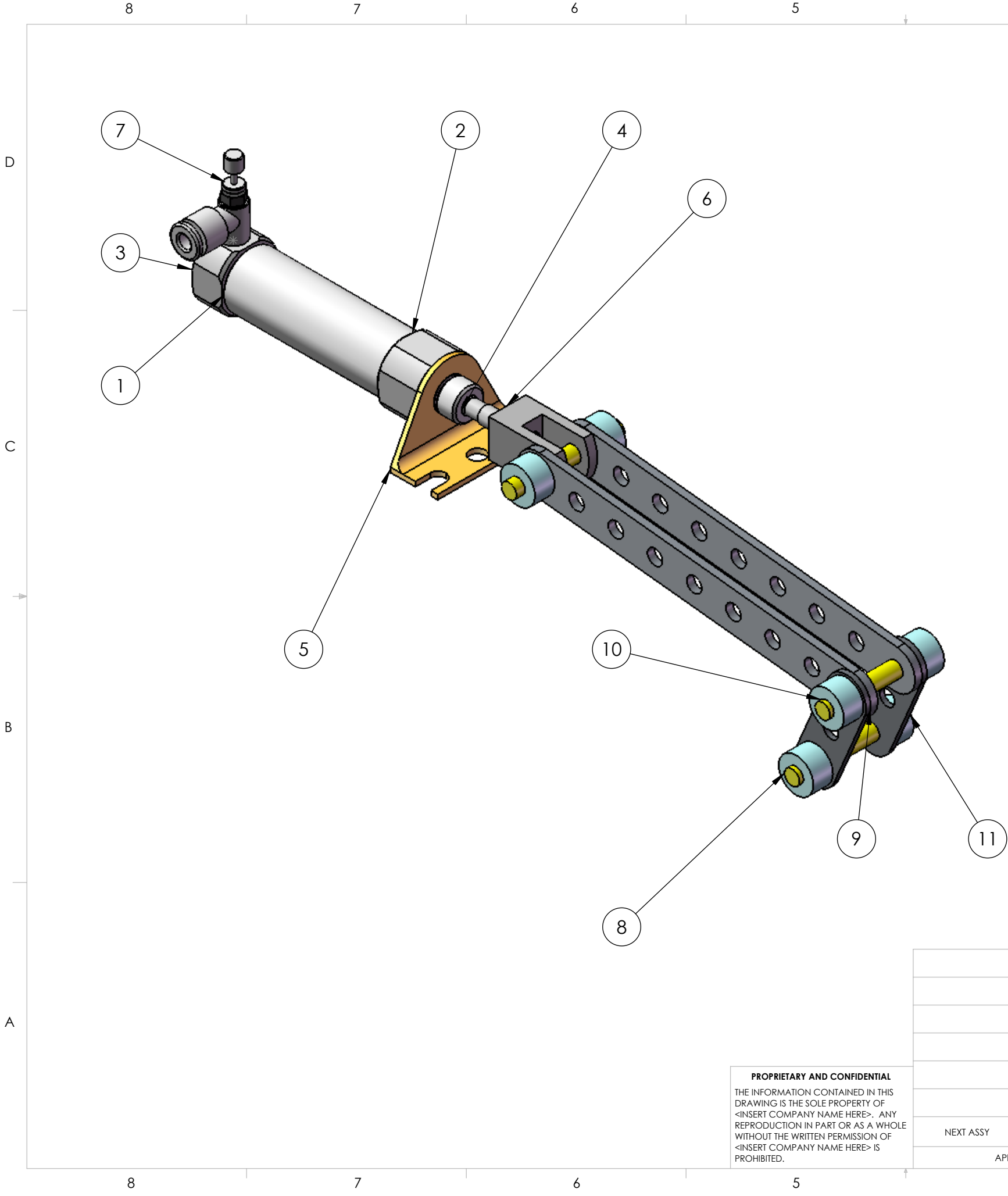
A

A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	DEWOLF ENGINEERING	
		DIMENSIONS ARE IN INCHES	DRAWN			TITLE:	
		TOLERANCES:	CHECKED			LINEAR ACTUATOR	
		FRACTIONAL ±	ENG APPR.			SIZE DWG. NO. REV	
		ANGULAR: MACH ± BEND ±	MFG APPR.			B Linkage	
		TWO PLACE DECIMAL ±	Q.A.			SCALE: 1:1 WEIGHT: SHEET 2 OF 2	
		THREE PLACE DECIMAL ±	COMMENTS:				
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
NEXT ASSY	USED ON	FINISH					
APPLICATION		DO NOT SCALE DRAWING					

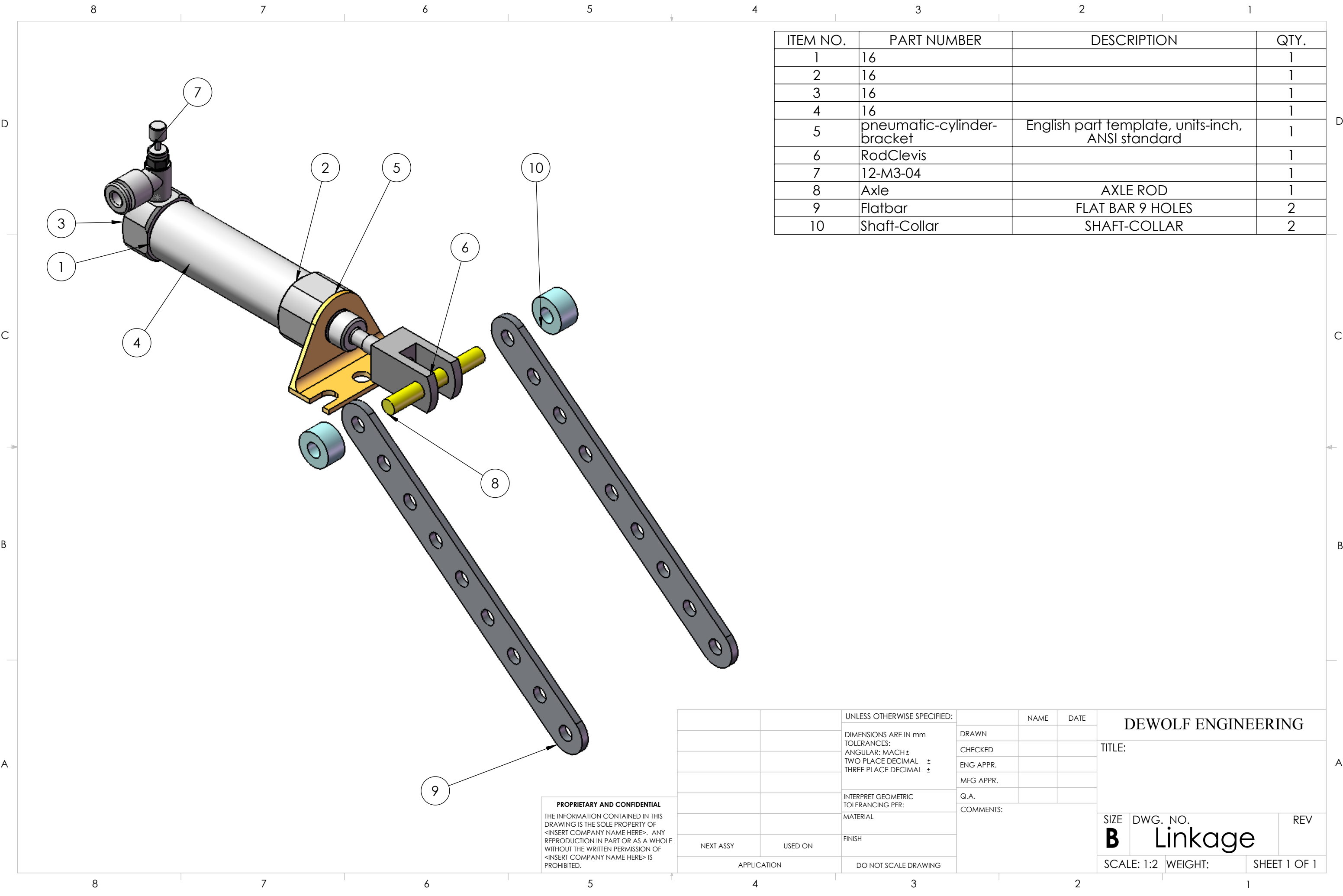
8 7 6 5 4 3 2 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	16		1
2	16		1
3	16		1
4	16		1
5	pneumatic-cylinder-bracket	English part template, units-inch, ANSI standard	1
6	RodClevis		1
7	12-M3-04		1
8	Axle	AXLE ROD	3
9	GIDS-SC-10009-9	FLAT BAR 9 HOLES	2
10	Shaft-Collar	SHAFT-COLLAR	6
11	Flatbar-3Hole	FLAT BAR 3 HOLES	2

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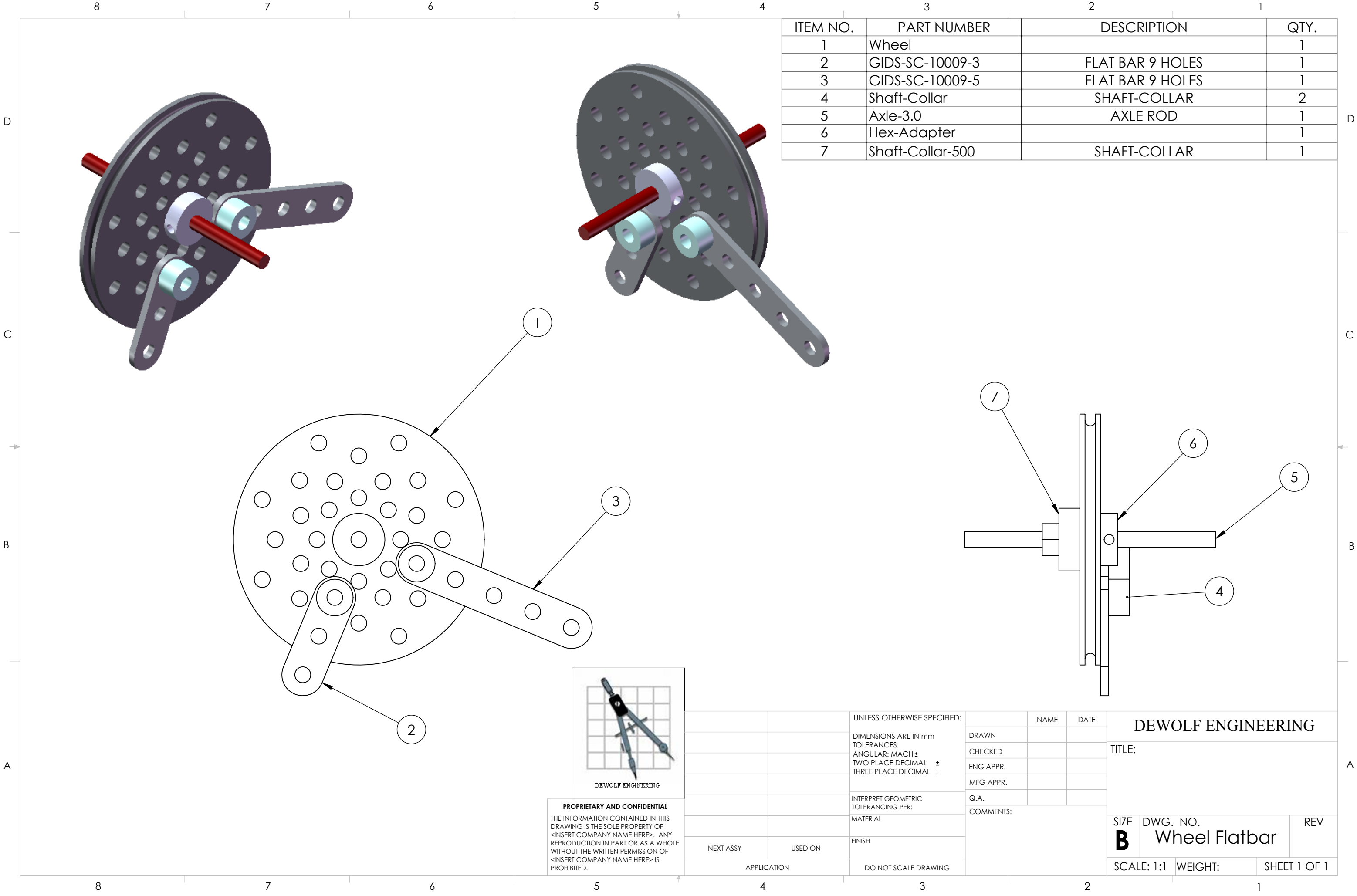
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		ANGULAR: MACH±	ENG APPR.					
		TWO PLACE DECIMAL ±	MFG APPR.					
		THREE PLACE DECIMAL ±	Q.A.				SIZE DWG. NO. REV	
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:					
		MATERIAL					B Linkage-2	
		FINISH						
NEXT ASSY	USED ON						SCALE: 1:2 WEIGHT: SHEET 1 OF 1	
APPLICATION		DO NOT SCALE DRAWING						



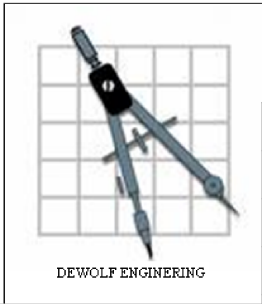
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	16		1
2	16		1
3	16		1
4	16		1
5	pneumatic-cylinder-bracket	English part template, units-inch, ANSI standard	1
6	RodClevis		1
7	12-M3-04		1
8	Axle	AXLE ROD	1
9	Flatbar	FLAT BAR 9 HOLES	2
10	Shaft-Collar	SHAFT-COLLAR	2

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	DEWOLF ENGINEERING		
		DIMENSIONS ARE IN mm TOLERANCES: ANGULAR: MACH± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN			TITLE:		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV B Linkage		
		MATERIAL	COMMENTS:					
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

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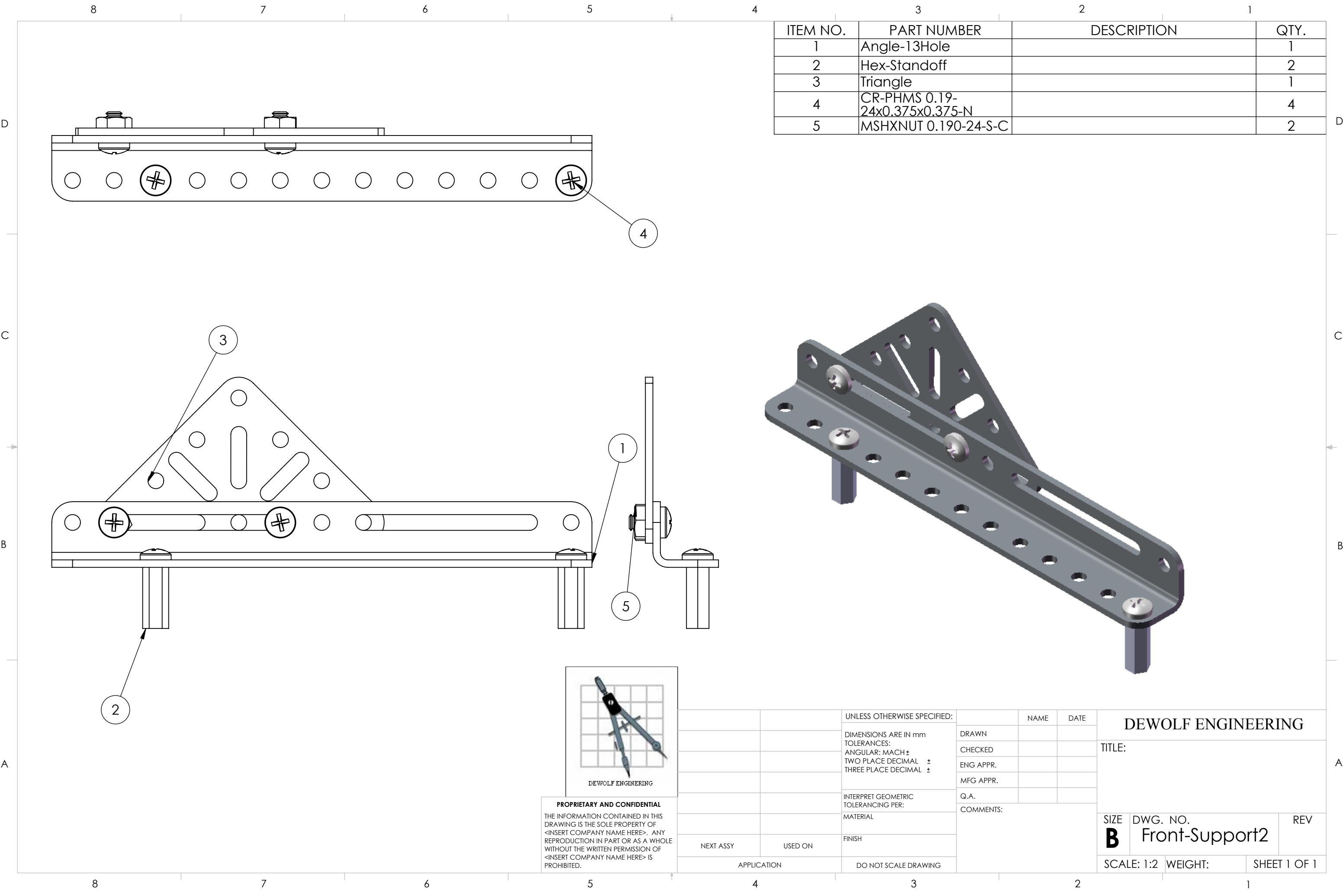


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Wheel		1
2	GIDS-SC-10009-3	FLAT BAR 9 HOLES	1
3	GIDS-SC-10009-5	FLAT BAR 9 HOLES	1
4	Shaft-Collar	SHAFT-COLLAR	2
5	Axle-3.0	AXLE ROD	1
6	Hex-Adapter		1
7	Shaft-Collar-500	SHAFT-COLLAR	1



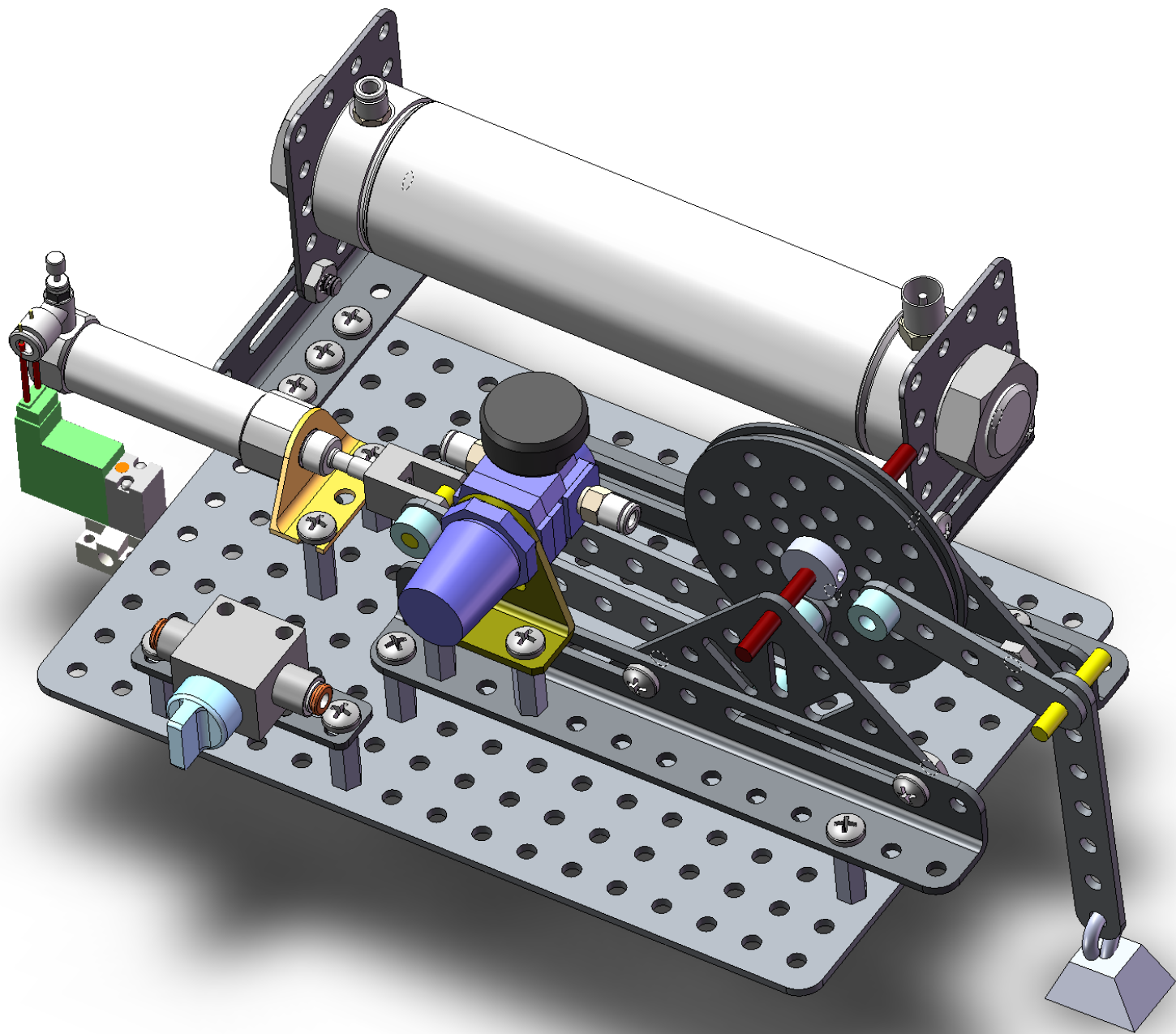
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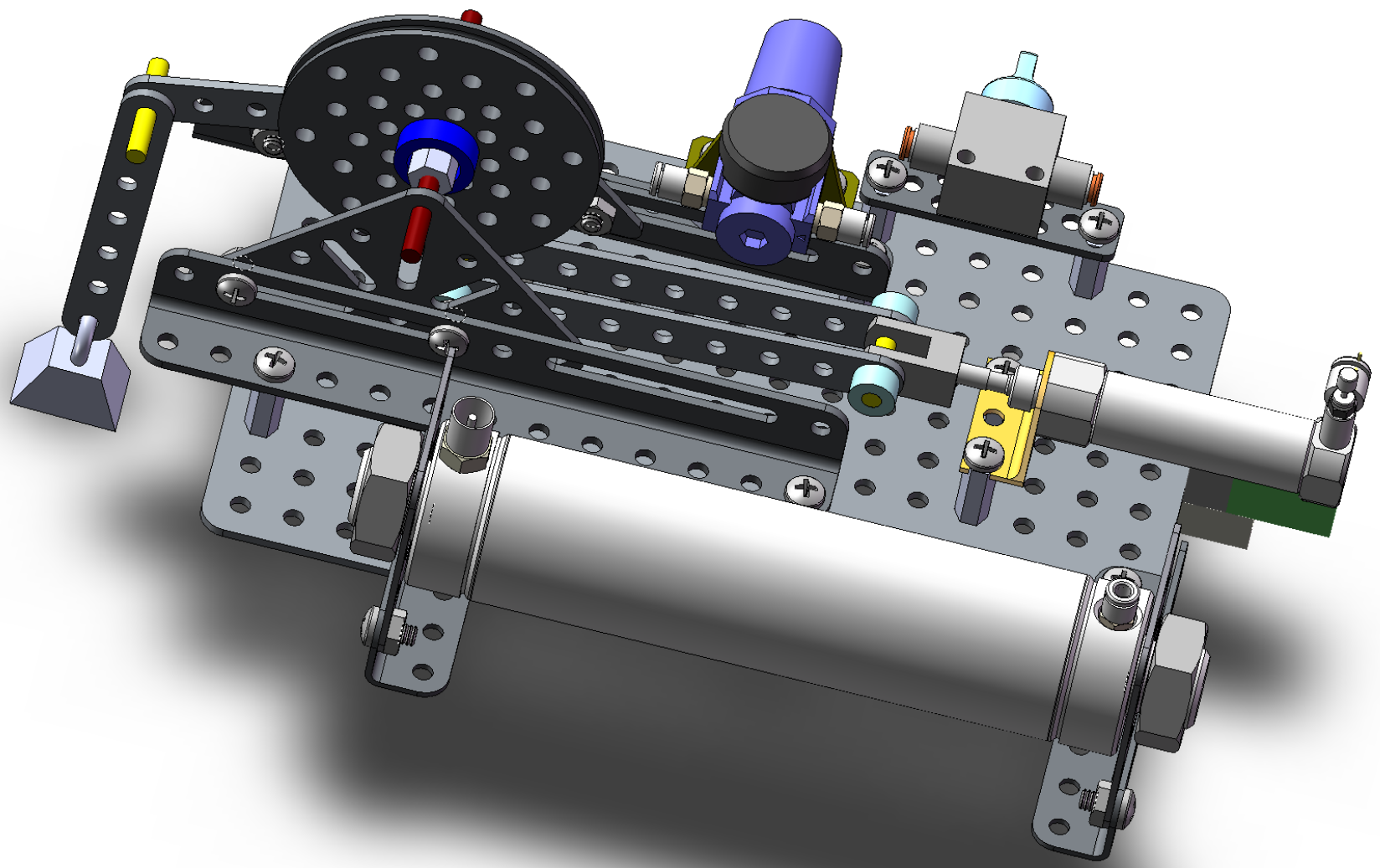
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			CHECKED						
			ENG APPR.						
			MFG APPR.						
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV			
		MATERIAL	COMMENTS:						
NEXT ASSY	USED ON	FINISH				B	Wheel Flatbar		
APPLICATION		DO NOT SCALE DRAWING							
						SCALE: 1:1	WEIGHT:	SHEET 1 OF 1	

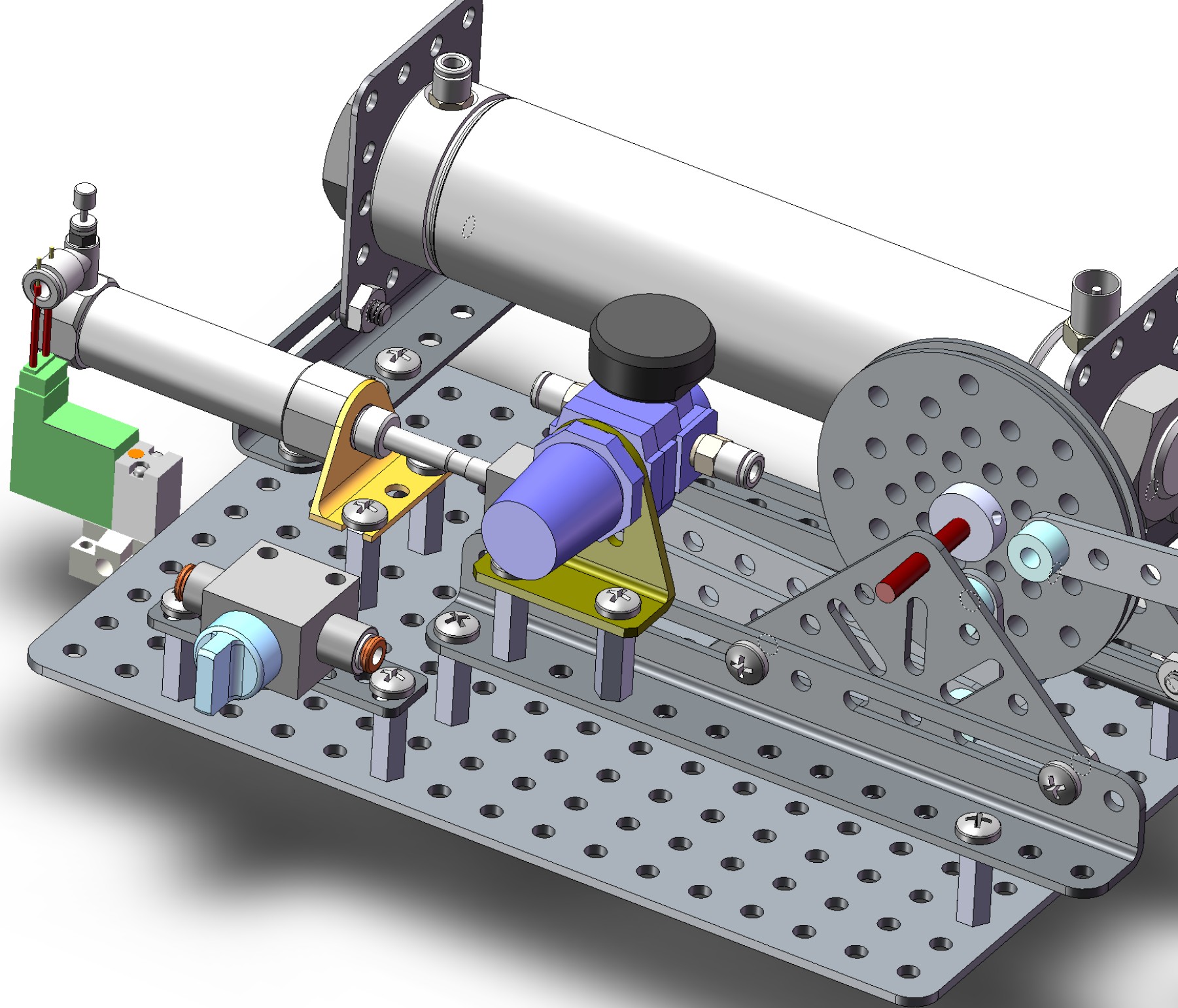


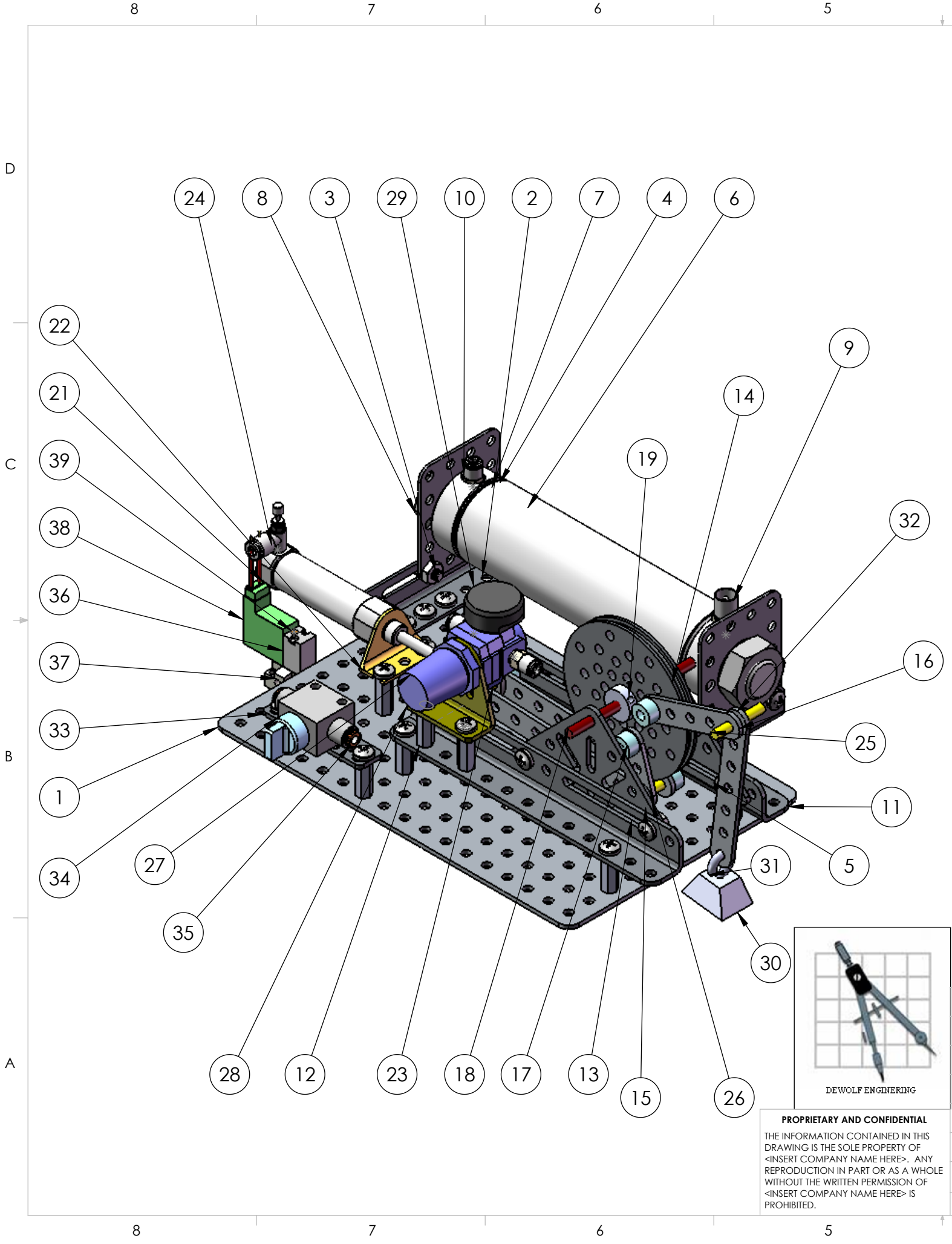
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Angle-13Hole		1
2	Hex-Standoff		2
3	Triangle		1
4	CR-PHMS 0.19-24x0.375x0.375-N		4
5	MSHXNUT 0.190-24-S-C		2

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	DEWOLF ENGINEERING			
		DIMENSIONS ARE IN mm	DRAWN			TITLE:			
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		ANGULAR: MACH ±	ENG APPR.						
		TWO PLACE DECIMAL ±	MFG APPR.						
		THREE PLACE DECIMAL ±	Q.A.			SIZE DWG. NO. REV			
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:						
		MATERIAL				B		Front-Support2	
		FINISH							
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2		WEIGHT:	SHEET 1 OF 1









ITEM NO.		PART NUMBER		DESCRIPTION		QTY.					
1		Flat Plate				1					
2		Angle Bracket				2					
3		CR-PHMS 0.19-24x0.375x0.375-N				26					
4		IM15-Mount				2					
5		MSHXNUT 0.190-24-S-C				8					
6		150				1					
7		150E				2					
8		MountingNut				2					
9		03-34				1					
10		04-M5				3					
11		Angle-13Hole				2					
12		Hex-Standoff				10					
13		Triangle				2					
14		Wheel				1					
15		GIDS-SC-10009-3		FLAT BAR 9 HOLES		1					
16		GIDS-SC-10009-5		FLAT BAR 9 HOLES		1					
17		Shaft-Collar		SHAFT-COLLAR		6					
18		Axle-3.0		AXLE ROD		1					
19		Hex-Adapter				1					
20		Shaft-Collar-500		SHAFT-COLLAR		1					
21		16				4					
22		pneumatic-cylinder-bracket		English part template, units-inch, ANSI standard		1					
23		RodClevis				1					
24		12-M3-04				1					
25		Axle		AXLE ROD		3					
26		GIDS-SC-10009-9		FLAT BAR 9 HOLES		2					
27		1000				1					
28		B120				1					
29		G27-10-R1				1					
30		Weight				1					
31		Hook				1					
32		GIDS-SC-10009-7		FLAT BAR 9 HOLES		1					
33		Servo Bracket				1					
34		04				1					
35		1000-50A-C4				2					
36		Std				2					
37		M5				1					
38		L				1					
39		man_op-PL				1					
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		TWO PLACE DECIMAL ±		MFG APPR.				SIZE DWG. NO. REV			
		THREE PLACE DECIMAL ±		Q.A.							
		INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:				Full Pneumatic Assembly			
		MATERIAL									
NEXT ASSY		USED ON		FINISH				SCALE: 1:2 WEIGHT: SHEET 1 OF 1			
APPLICATION		DO NOT SCALE DRAWING									