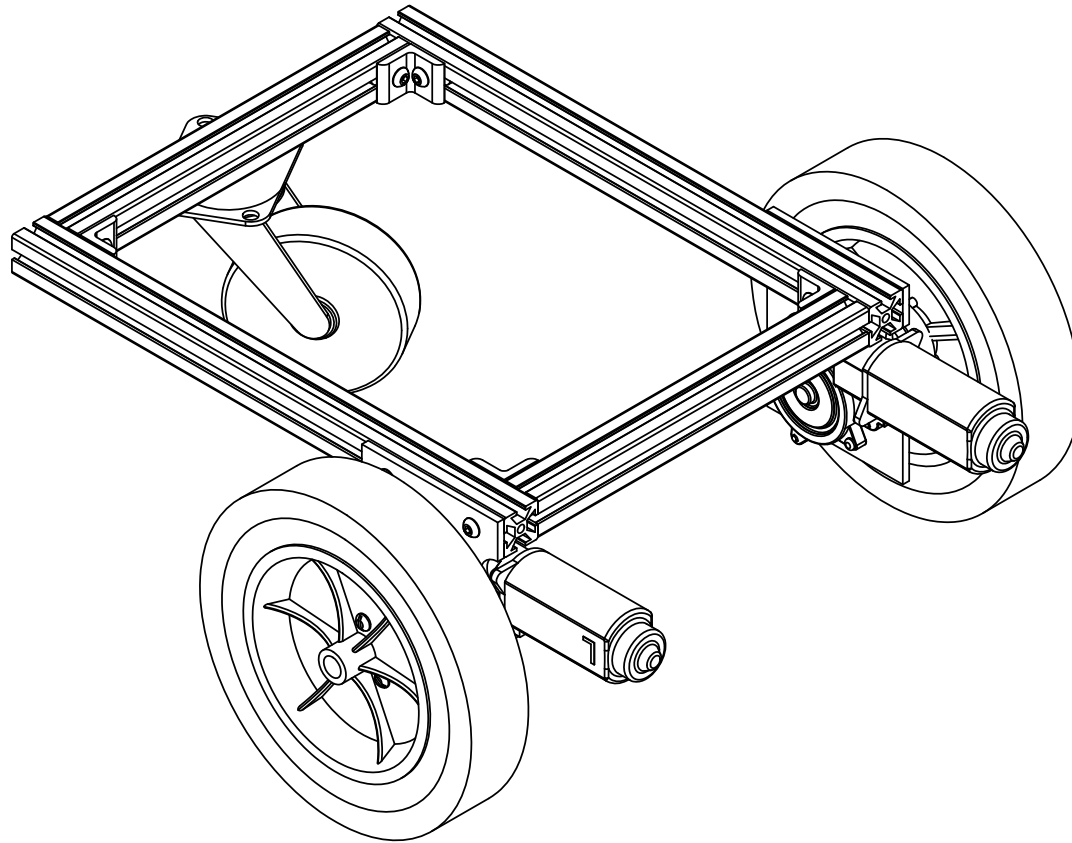
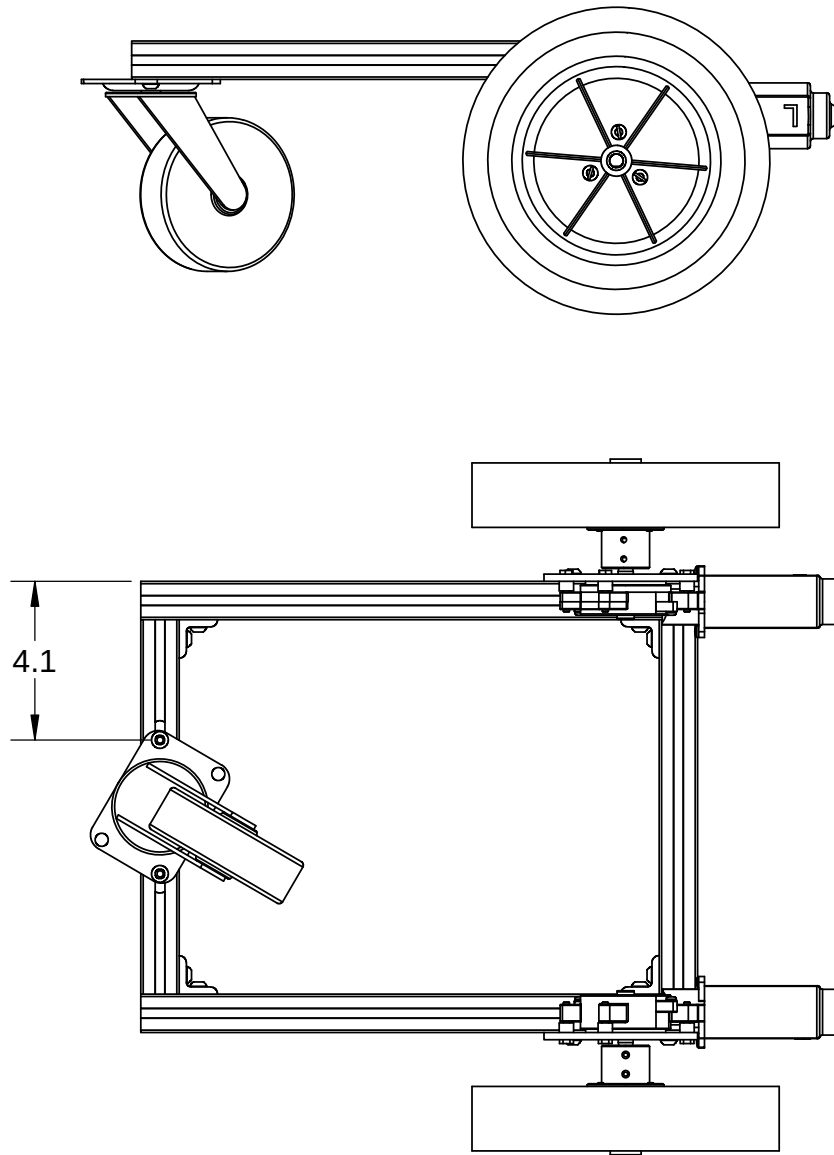




- NOTES:
1. DIMS IN INCHES
2. QUANTITY 1

TITLE:				Mobile Platform Assembly			
DRAWN				D. TUYN			
DESIGNED				M. BRADDOCK			
SIZE		DWG. NO.			REV		
A		EML2322L-A-000			A		
SCALE: 1:4					SHEET 1 OF 3		

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

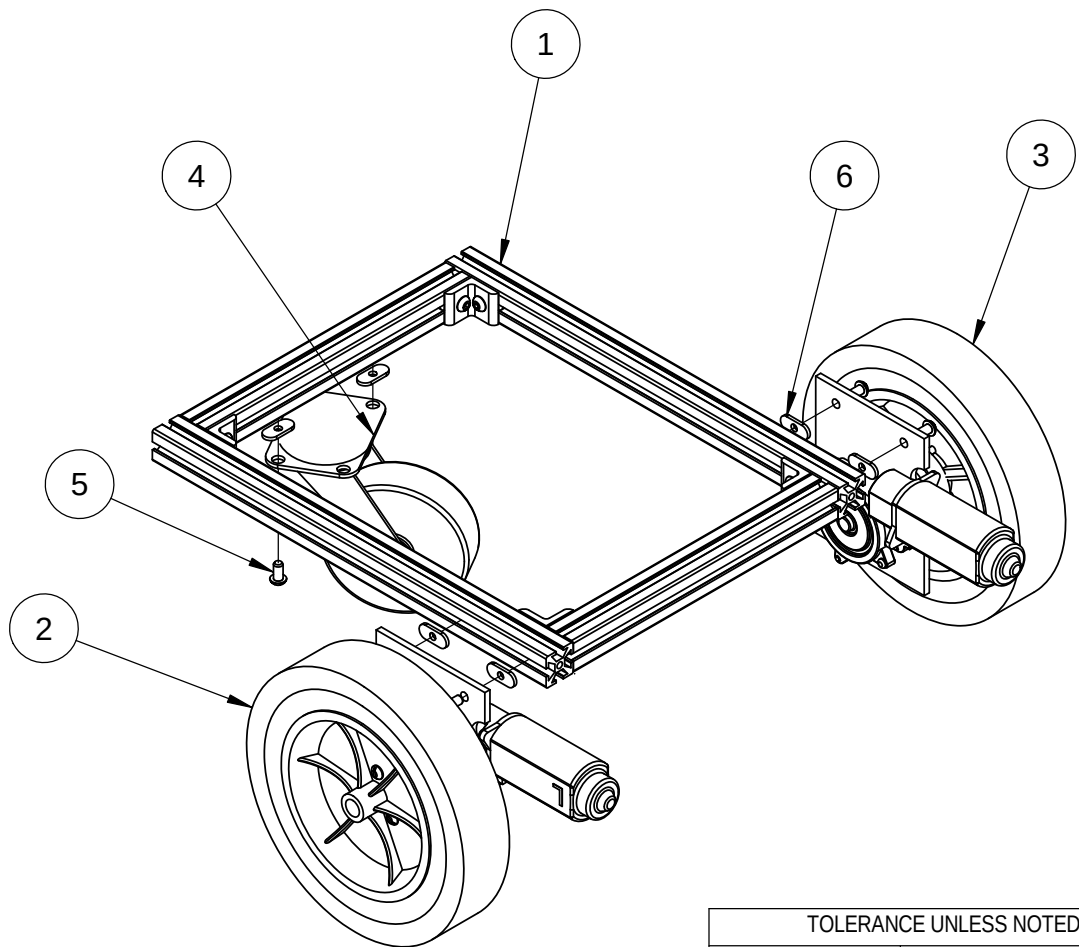


NOTES:
 1. DIMS IN INCHES
 2. QUANTITY 1

TITLE:				Mobile Platform Assembly			
DRAWN				D. TUYN			
DESIGNED				M. BRADDOCK			
SIZE	DWG. NO.			REV			
A	EML2322L-A-000			A			
SCALE: 1:5					SHEET 2 OF 3		

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

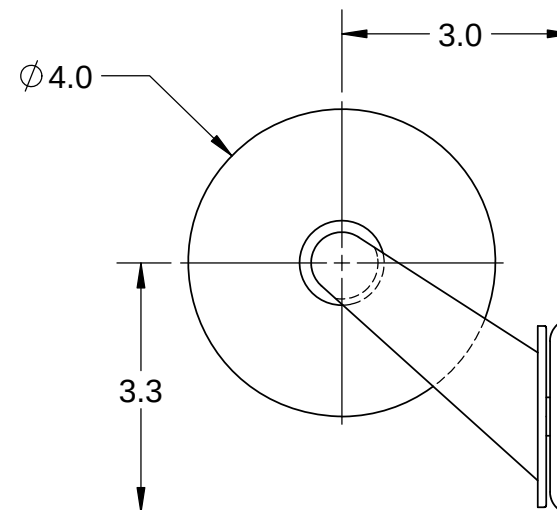
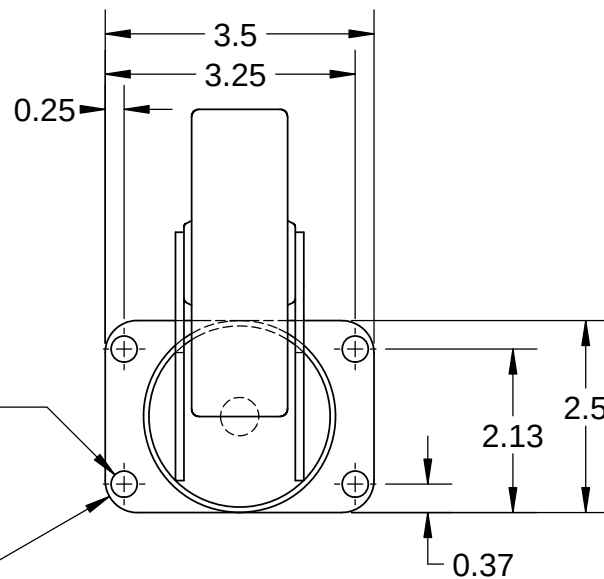
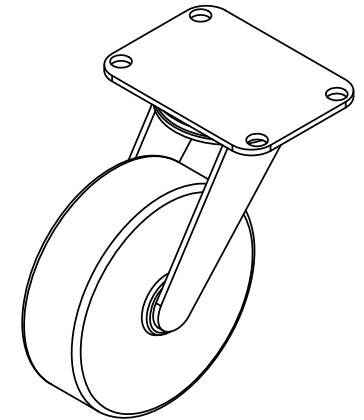
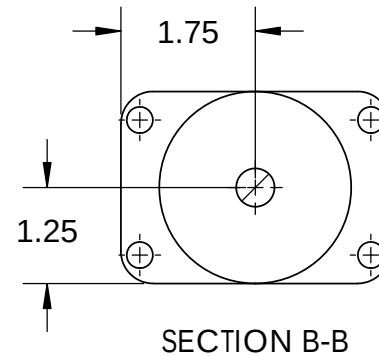
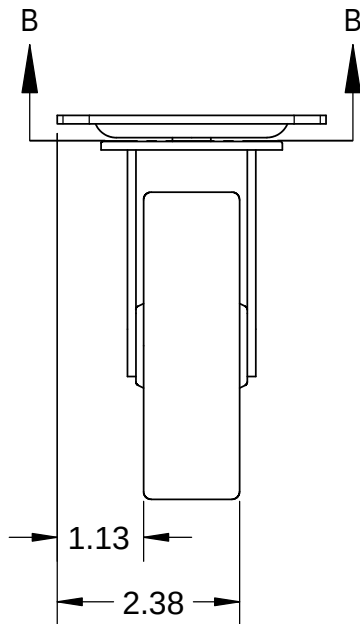
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	EML2322L-A-001	Frame Assembly	1
2	EML2322L-A-002	Left Wheel Assembly	1
3	EML2322L-A-003	Right Wheel Assembly	1
4	EML2322L-013	Caster Wheel - 5 inch Load Height	1
5	EML2322L-007	1/4-20 x 1/2 inch BHCS	6
6	EML2322L-001	1/4-20 T-Nut	6



NOTES:
1. DIMS IN INCHES
2. QUANTITY 1

TITLE: Mobile Platform Assembly			
DRAWN D. TUYN			
DESIGNED M. BRADDOCK			
SIZE A	DWG. NO. EML2322L-A-000		REV A
SCALE: 1:5		SHEET 3 OF 3	

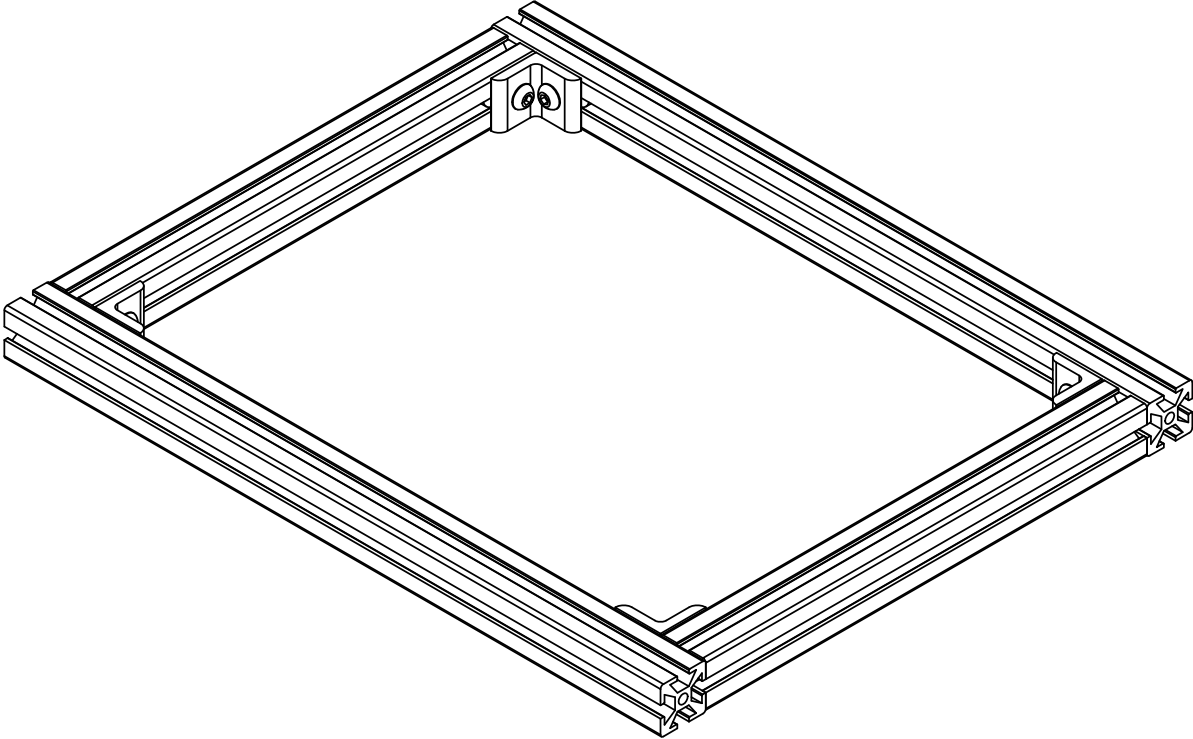
DIMENSION TYPE	TOLERANCE UNLESS NOTED		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



- NOTES:
1. DIMS IN INCHES
 2. QUANTITY: 1
 3. DIMS AND MAT'L SPECIFIED BY MANUFACTURER

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TOLERANCE UNLESS NOTED				TITLE: Caster Wheel			
MEASURING INSTRUMENT	PLACES IN DIMENSION						
	0.0	0.00	0.000	DRAWN	S. MASCIELLO		
CALIPERS			±0.005	DESIGNED	ARNOLD		
PRECISION RULER		±0.015		SIZE	DWG. NO.		REV
TAPE MEASURE	±0.030			A	EML2322L-013		A
PROTRACTOR	±10	±5	±2	SCALE: 1:2.5		SHEET 1 OF 1	

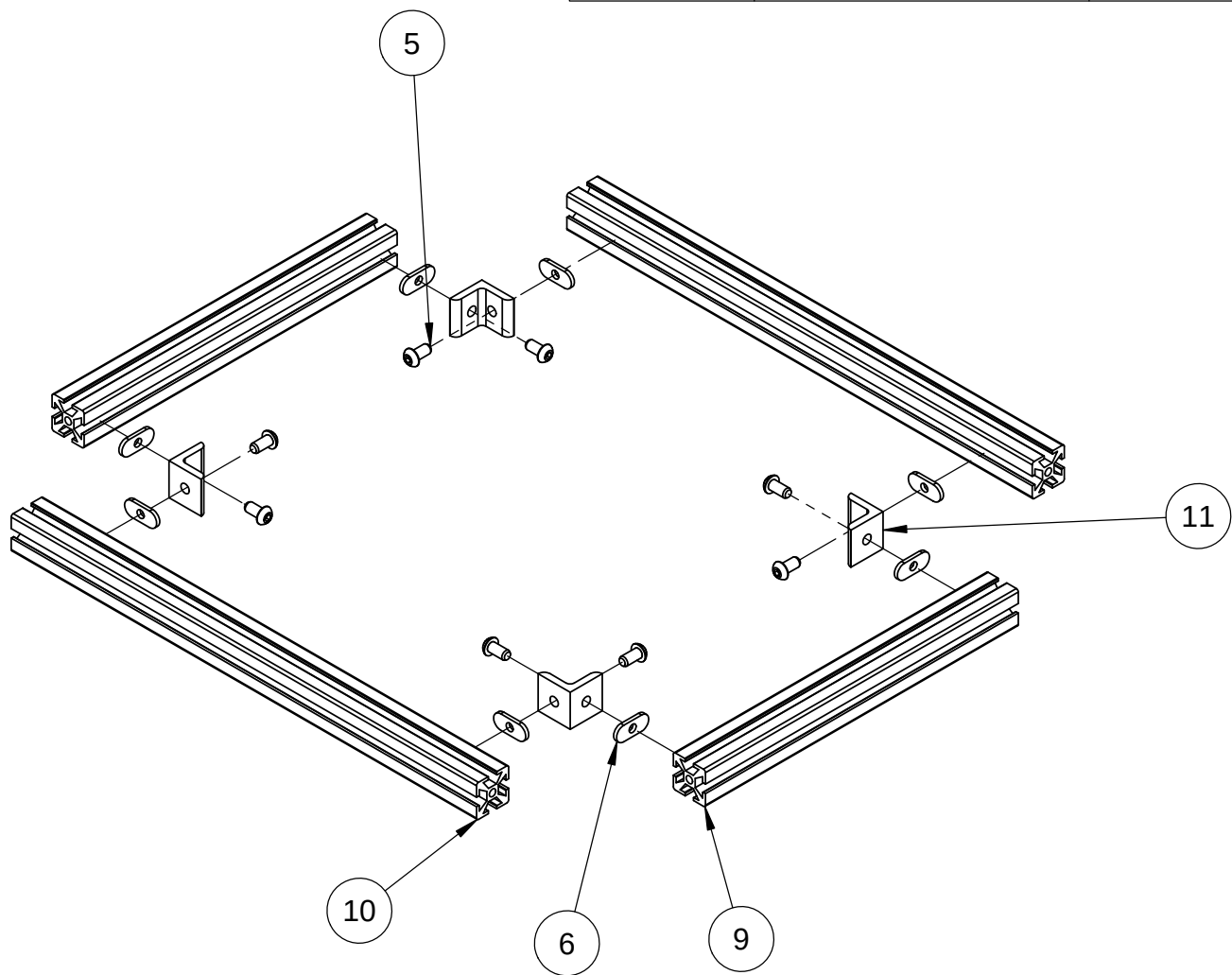


- NOTES:
1. DIMS IN INCHES
2. QUANTITY 1

TITLE: Frame Assembly			
DRAWN S. MASCIELLO			
DESIGNED M. BRADDOCK			
SIZE A	DWG. NO. EML2322L-A-1		REV A
SCALE: 1:3		SHEET 1 OF 2	

DIMENSION TYPE	TOLERANCE UNLESS NOTED PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	EML2322L-007	1/4-20 x 1/2 inch BHCS	8
6	EML2322L-001	1/4-20 T-Nut	8
9	EML2322L-020	80/20 Extrusion - 9.8 inch	2
10	EML2322L-009	80/20 Extrusion - 14.5 inch	2
11	EML2322L-010	80/20 90 Degree Angle Bracket	4

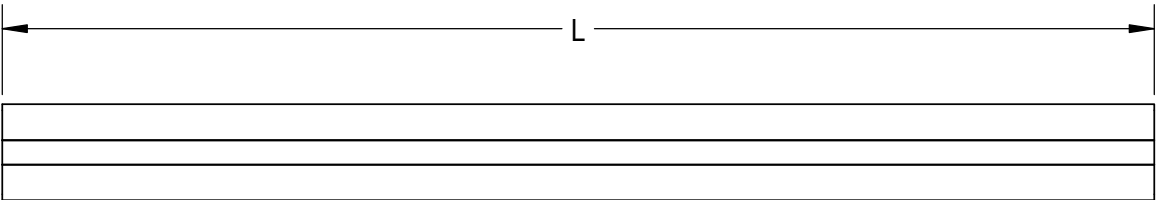
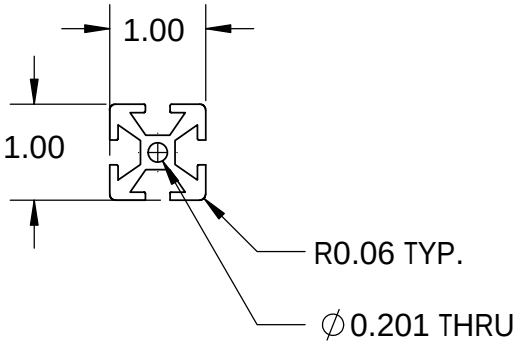
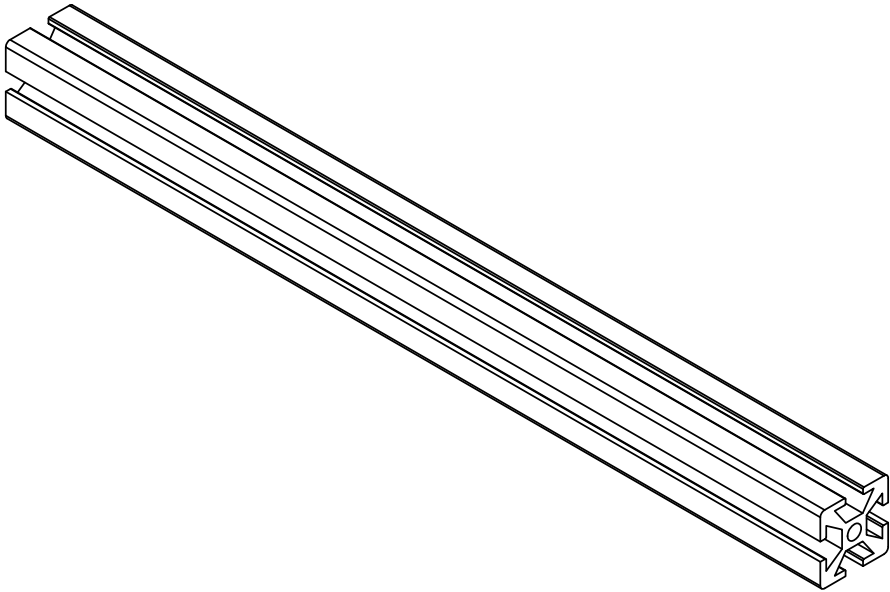


NOTES:
 1. DIMS IN INCHES
 2. QUANTITY 1

TITLE:				Frame Assembly			
DRAWN		S. MASCIELLO					
DESIGNED		M. BRADDOCK					
SIZE	DWG. NO.					REV	
A	EML2322L-A-1					A	
SCALE: 1:4					SHEET 2 OF 2		

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

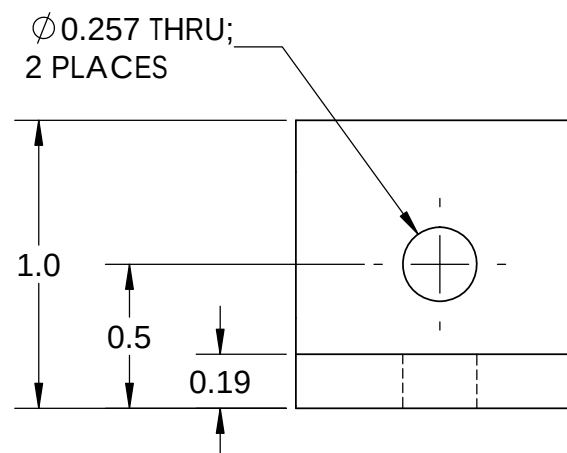
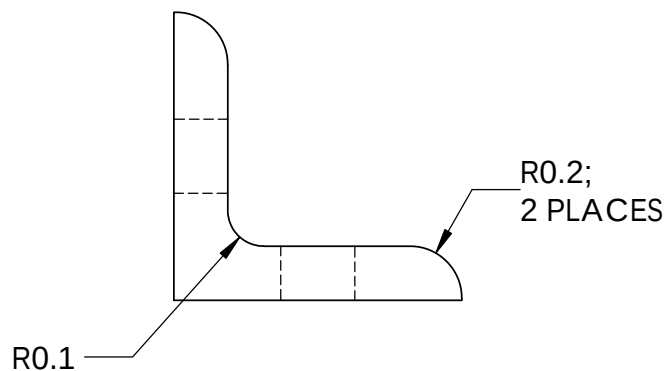
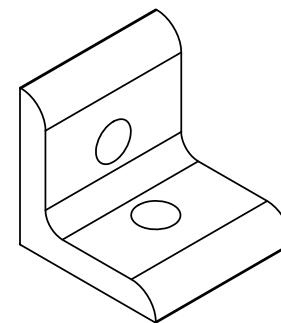
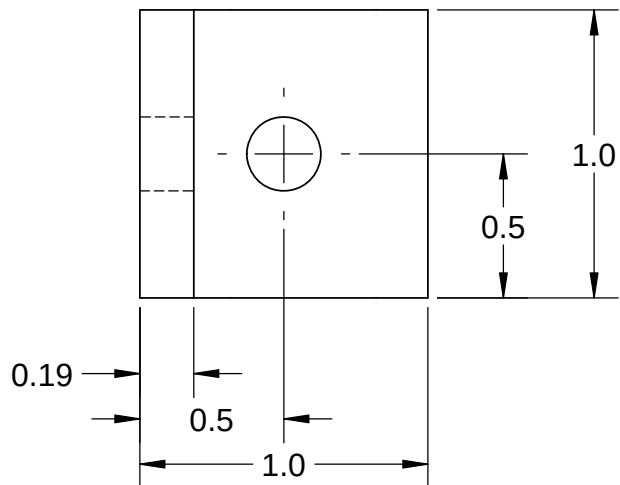
Part Number	Length (in.)	Quantity
EML2322L-020	9.8	2
EML2322L-009	14.5	2



- NOTES:
1. DIMS IN INCHES
 2. MAT'L: 80/20 ALUMINUM EXTRUSION
 3. BREAK CUT ENDS
 4. FINISH NO SURFACES
 5. QTY SPECIFIED IN TABLE
 6. USE CUT OFF TOLERANCES

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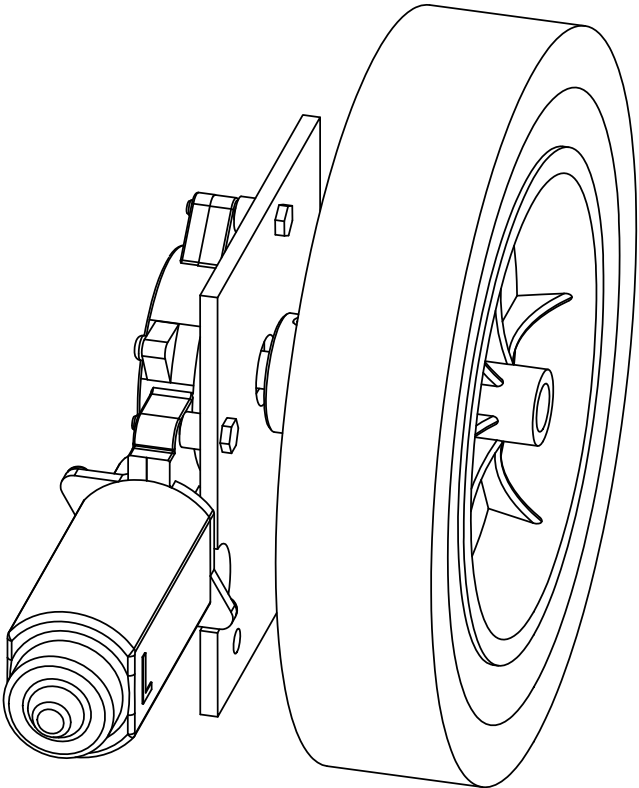
TOLERANCE UNLESS NOTED				TITLE: 80/20 Extrusion (simplified)			
OPERATION	PLACES IN DIMENSION						
	0.0	0.00	0.000	DRAWN	S. MASCIELLO		
MACHINING	±0.050	±0.020	±0.005	DESIGNED	I. WIDJAJA		
CUT OFF (SAW, BURN, SHEAR)	±0.1	±0.060		SIZE	DWG. NO.		REV
WELDING	±0.1	±0.060		A	EML2322L-80-20		A
ANGULAR DIMS	±5	±2	±0.5	SCALE: 1:2			SHEET 1 OF 1



- NOTES:
1. DIMS IN INCHES
 2. QTY SPECIFIED IN BOM
 3. DIMS SPECIFIED BY MANUFACTURER
 4. MAT'L: ALUMINUM

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TOLERANCE UNLESS NOTED				TITLE:		
MEASURING INSTRUMENT	PLACES IN DIMENSION			80/20 90 Degree Angle Bracket		
	0.0	0.00	0.000	DRAWN	J. Dersch	
CALIPERS			±0.005	DESIGNED	80/20 INC.	
PRECISION RULER		±0.015		SIZE	DWG. NO.	REV
TAPE MEASURE	±0.030			A	EML2322L-010	A
PROTRACTOR	±10	±5	±2	SCALE: 1.5:1		SHEET 1 OF 1

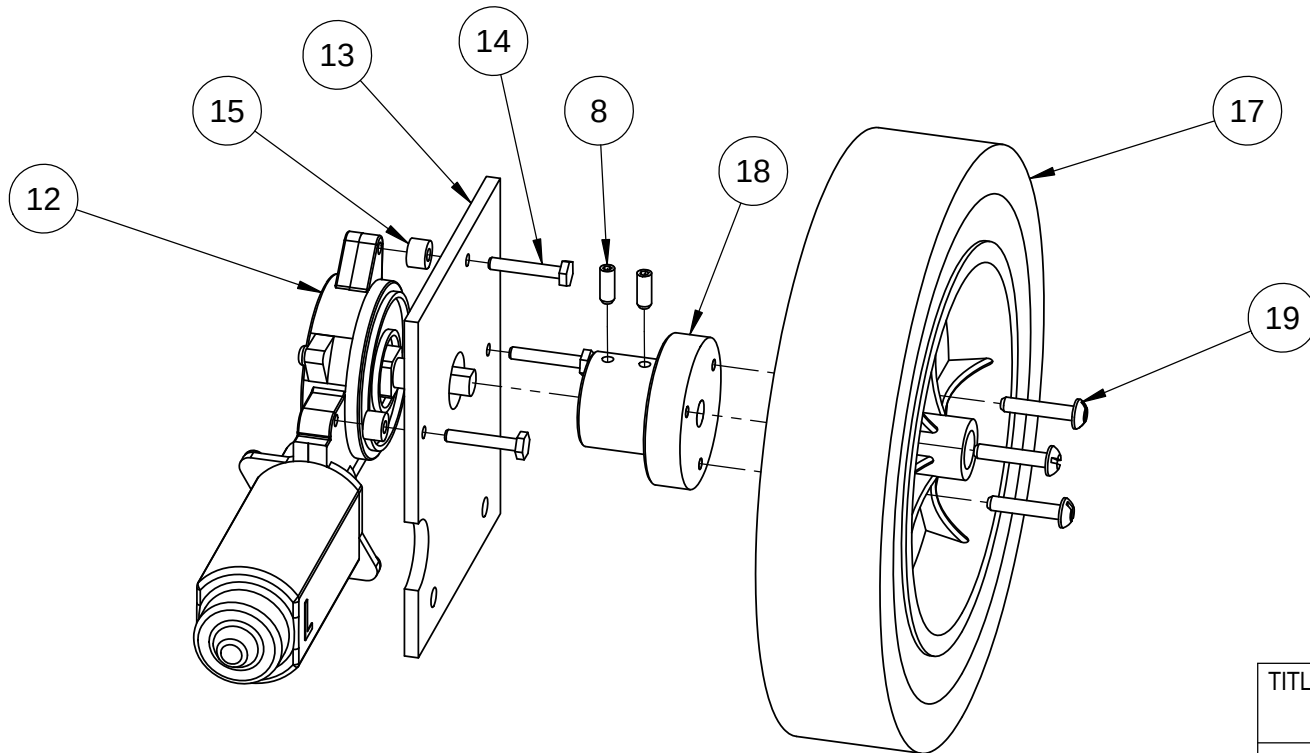


- NOTES:
1. DIMS IN INCHES
2. QUANTITY 1

TITLE:				Left Wheel Assembly			
DRAWN				D. TUYN			
DESIGNED				M. BRADDOCK			
SIZE		DWG. NO.			REV		
A		EML2322L-A-002			A		
SCALE: 1:2					SHEET 1 OF 2		

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

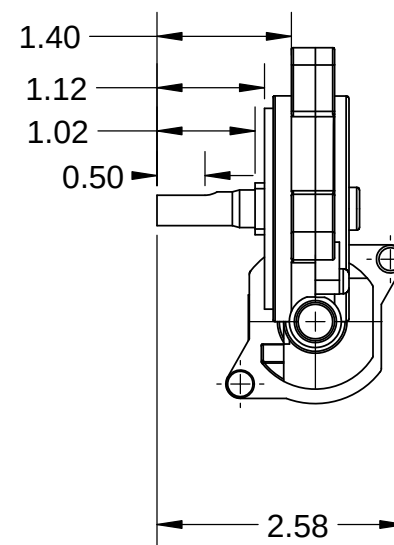
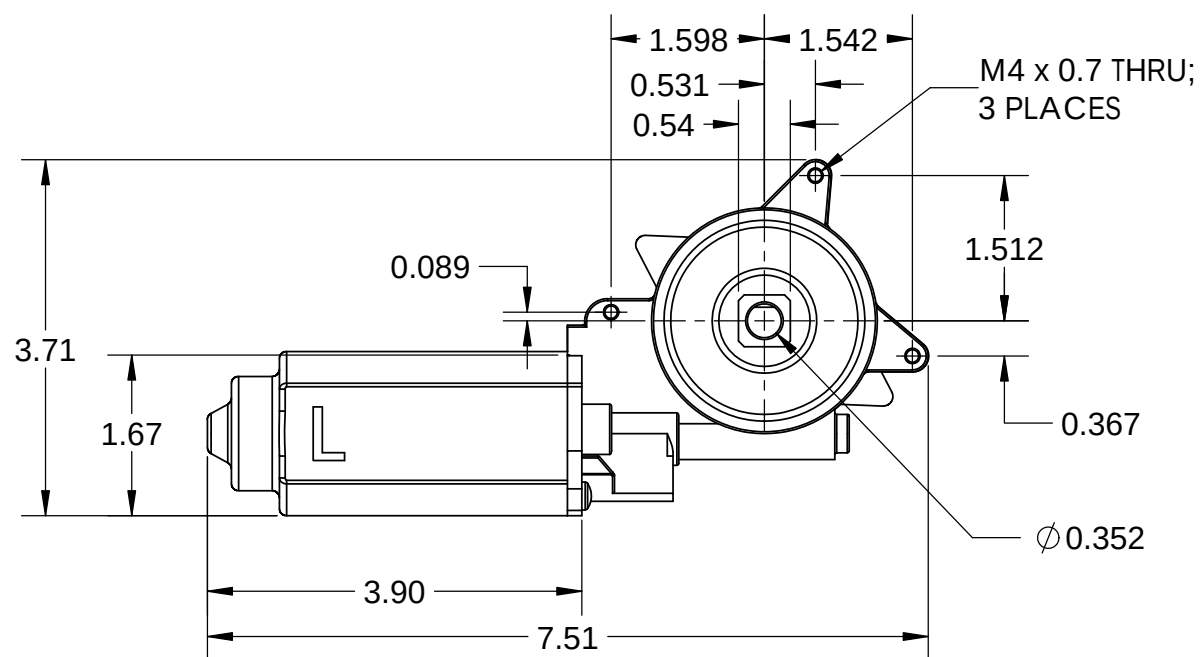
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	EML2322L-005	10-24 x 1/2 inch Socket Set Screw	2
12	EML2322L-008	150 RPM Denso Right Angle Gearmotor (Left)	1
13	EML2322L-003	Denso Motor Mount	1
14	EML2322L-004	M4x0.7x25mm Hex Head Cap Screw	3
15	EML2322L-021	Denso Motor Mount Spacer	3
17	EML2322L-011	8 inch Wheel Type 1	1
18	EML2322L-002	Denso Wheel Hub	1
19	EML2322L-005	10-24 x 1 inch Round Head Screw	3



NOTES:
1. DIMS IN INCHES
2. QUANTITY 1

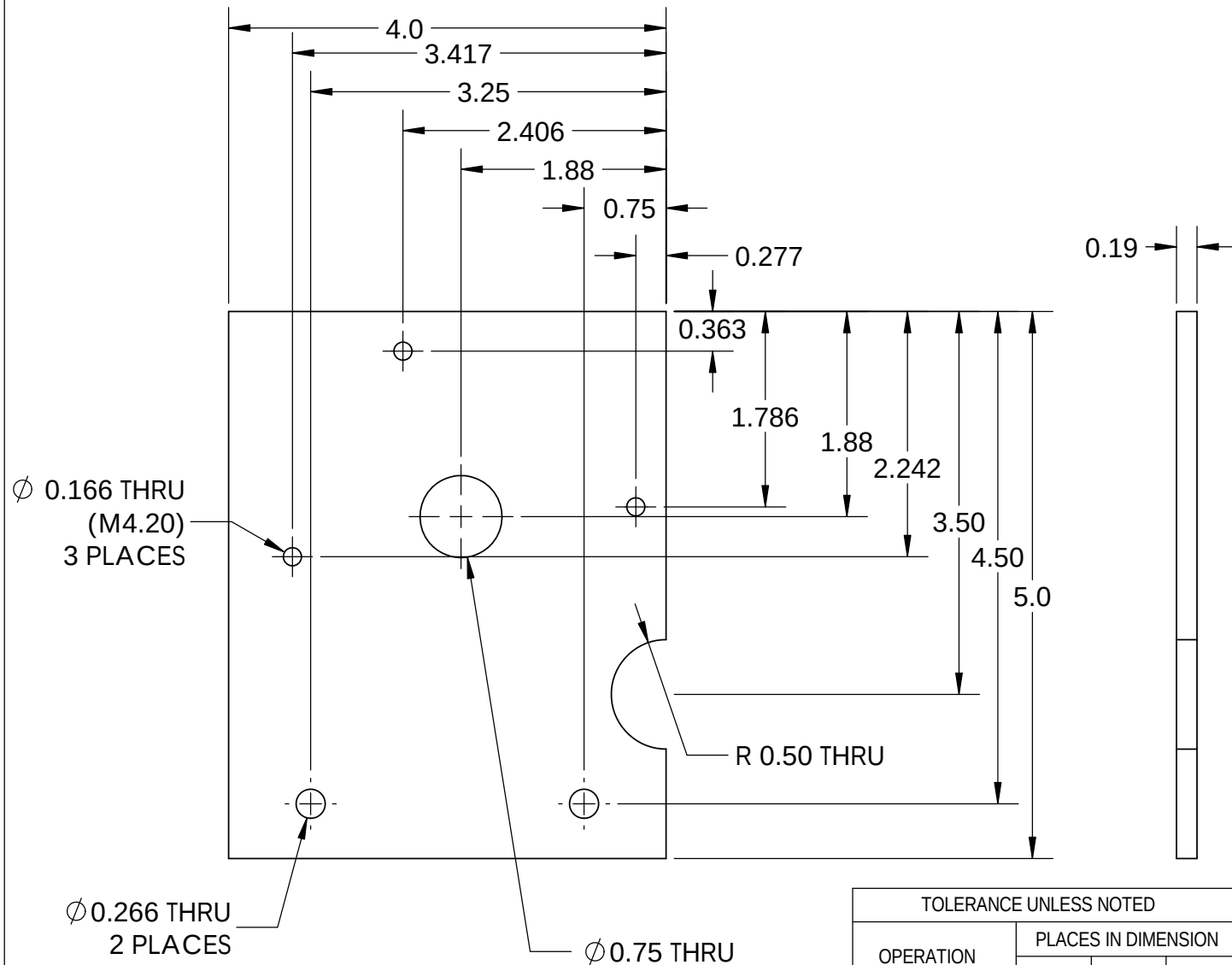
TITLE:			
Left Wheel Assembly			
DRAWN D. TUYN			
DESIGNED M. BRADDOCK			
SIZE	DWG. NO.	REV	
A	EML2322L-A-002	A	
SCALE: 2:5		SHEET 2 OF 2	

TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



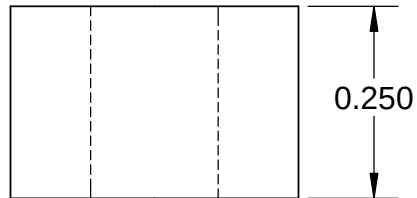
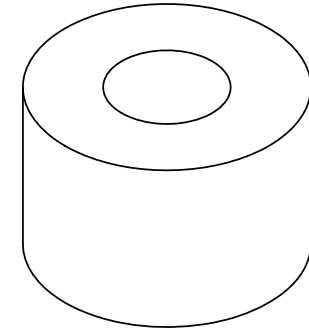
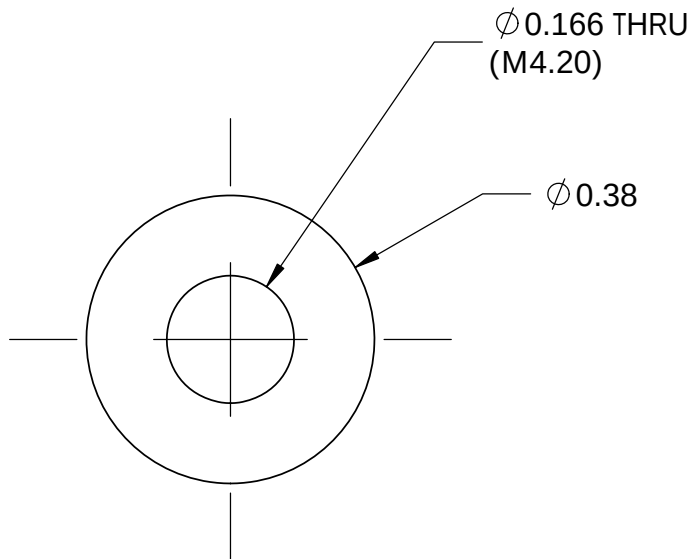
1. DIMS IN INCHES
2. QTY SPECIFIED IN BOM
3. DIMS AND MAT'L SPECIFIED BY MANUFACTURER
4. THE SQUARE EXTRUSION AT THE BASE OF THE SHAFT ROTATES WITH THE SHAFT; USE A 3/4" CLEARANCE HOLE TO ACCOMMODATE THE SQUARE

TOLERANCE UNLESS NOTED				TITLE:			
MEASURING INSTRUMENT	PLACES IN DIMENSION			Denso Right Angle Gear Motor (Left)			
	0.0	0.00	0.000	DRAWN	J. Dersch		
CALIPERS			±0.005	DESIGNED	DENSO		
PRECISION RULER		±0.015		SIZE	DWG. NO.		REV
TAPE MEASURE	±0.030			A	EML2322L-008		A
PROTRACTOR	±10	±5	±2	SCALE: 1:2		SHEET 1 OF 1	



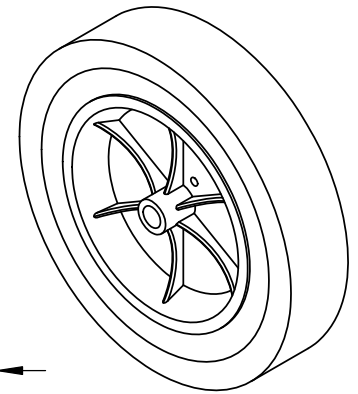
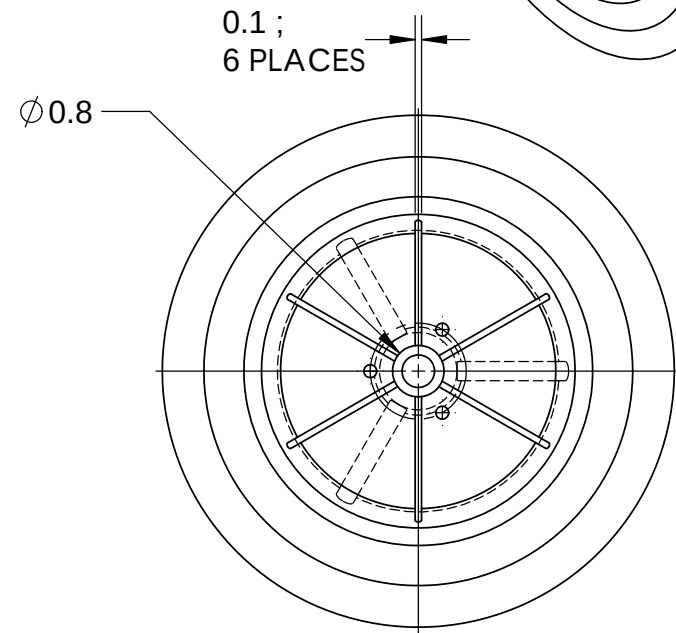
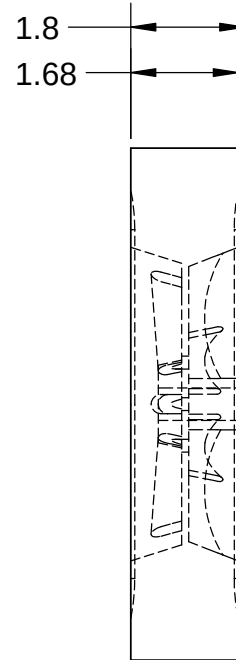
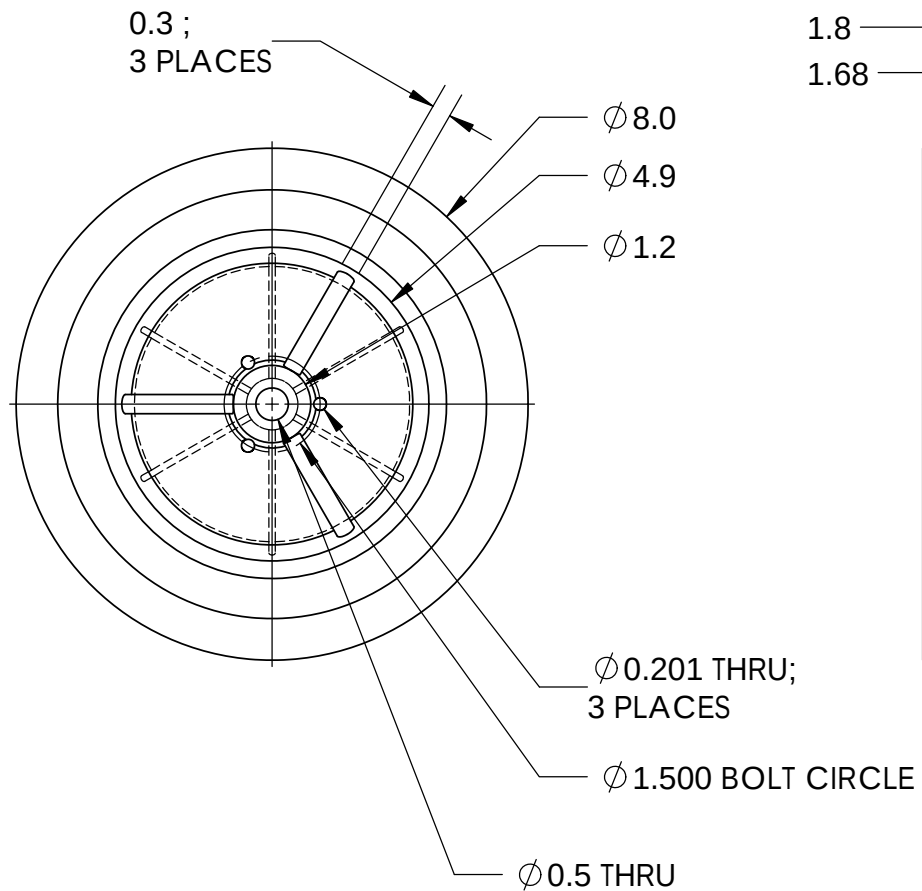
- NOTES:
1. DIMS IN INCHES
 2. QUANTITY: 2
 3. MAT'L: ALUMINUM
 4. FINISH NOTED SURFACES
 5. BREAK ALL EDGES

TOLERANCE UNLESS NOTED				TITLE:		
OPERATION	PLACES IN DIMENSION			Denso Motor Mount		
	0.0	0.00	0.000	DRAWN	S. MASCIELLO	
MACHINING	± 0.050	± 0.020	± 0.005	DESIGNED	M.BRADDOCK	
CUT OFF (SAW, BURN, SHEAR)	± 0.1	± 0.060		SIZE	DWG. NO.	REV
WELDING	± 0.1	± 0.060		A	EML2322L-003	A
ANGULAR DIMS	± 5	± 2	± 0.5	SCALE: 1:1.5		SHEET 1 OF 1



- NOTES:
1. DIMS IN INCHES
 2. QTY SPECIFIED IN BOM
 3. MAT'L: DELRIN

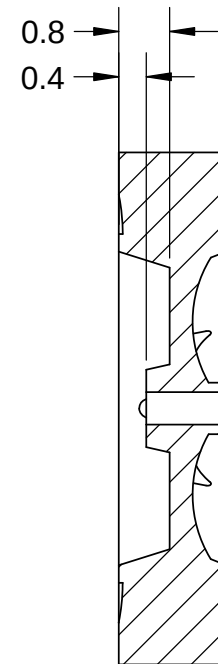
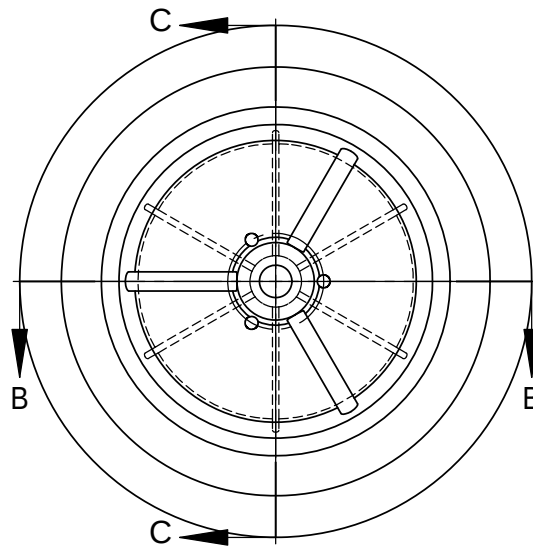
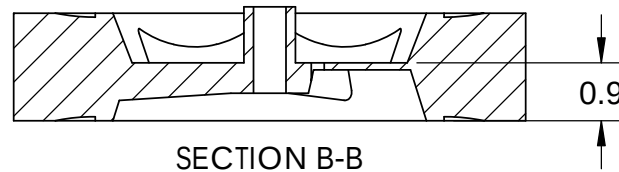
TOLERANCE UNLESS NOTED				TITLE: Denso Motor Mount Spacer			
MEASURING INSTRUMENT	PLACES IN DIMENSION						
	0.0	0.00	0.000	DRAWN S. MASCIELLO			
CALIPERS			±0.005	DESIGNED M. BRADDOCK			
PRECISION RULER		±0.015		SIZE	DWG. NO.		REV
TAPE MEASURE	±0.030			A	EML2322L-021		A
PROTRACTOR	±10	±5	±2	SCALE: 4:1		SHEET 1 OF 1	



- NOTES:
1. DIMS IN INCHES
 2. QTY SPECIFIED IN BOM
 3. DIMS AND MAT'L SPECIFIED BY MANUFACTURER

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TOLERANCE UNLESS NOTED				TITLE:		
MEASURING INSTRUMENT	PLACES IN DIMENSION			8 Inch Wheel Type 1		
	0.0	0.00	0.000	DRAWN	J. Dersch	
CALIPERS			±0.005	DESIGNED	ARNOLD	
PRECISION RULER		±0.015		SIZE	DWG. NO.	REV
TAPE MEASURE	±0.030			A	EML2322L-011	A
PROTRACTOR	±10	±5	±2	SCALE: 1:3		SHEET 1 OF 2

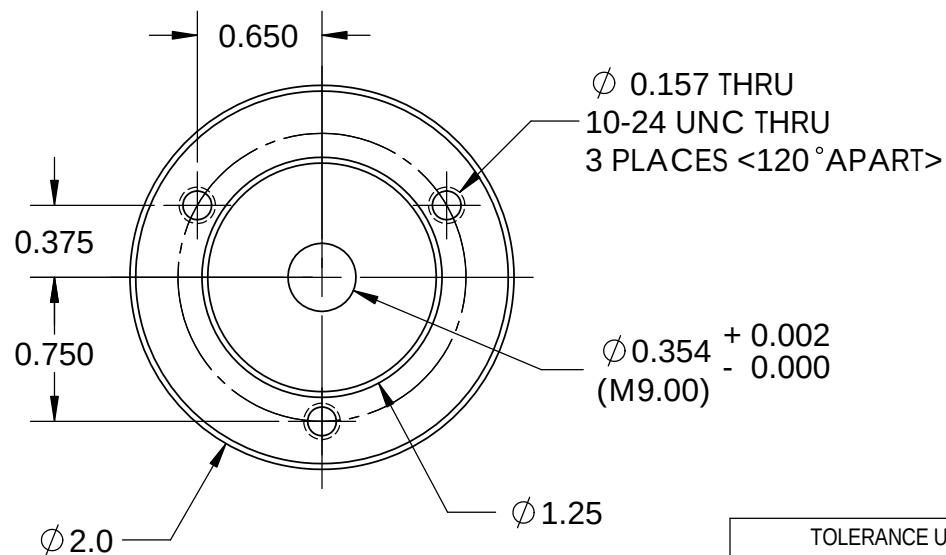
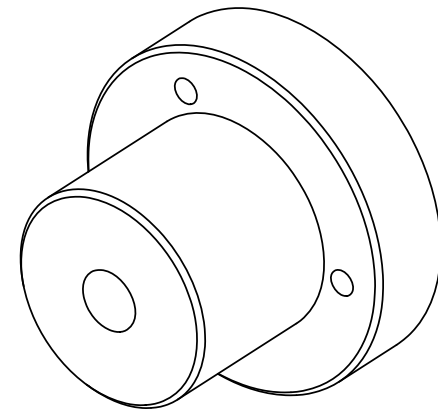
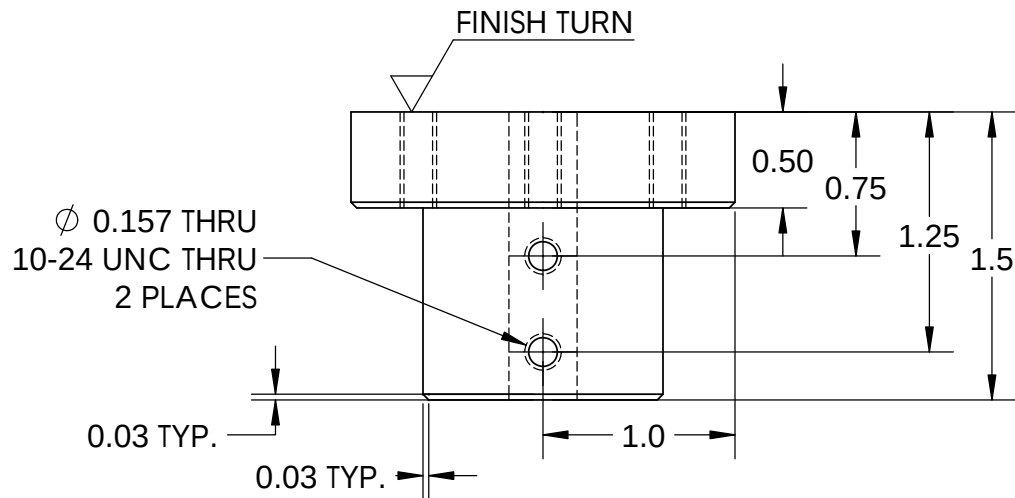


NOTES:

1. DIMS IN INCHES
2. QTY SPECIFIED IN BOM
3. DIMS AND MAT'L SPECIFIED BY MANUFACTURER

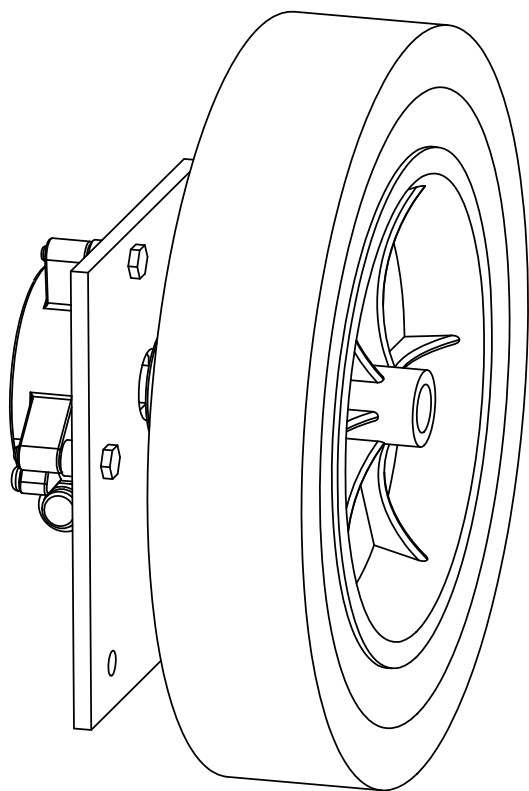
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TOLERANCE UNLESS NOTED				TITLE:		
MEASURING INSTRUMENT	PLACES IN DIMENSION			8 Inch Wheel Type 1		
	0.0	0.00	0.000	DRAWN	J. Dersch	
CALIPERS	/	/	±0.005	DESIGNED	ARNOLD	
PRECISION RULER	/	±0.015	/	SIZE	DWG. NO.	REV
TAPE MEASURE	±0.030	/	/	A	EML2322L-011	A
PROTRACTOR	±10	±5	±2	SCALE: 1:3		SHEET 2 OF 2



- NOTES:
1. DIMS IN INCHES
 2. QUANTITY: 2
 3. MAT'L: ALUMINUM
 4. FINISH NOTED SURFACES
 5. BREAK ALL EDGES

TOLERANCE UNLESS NOTED				TITLE:		
OPERATION	PLACES IN DIMENSION			Denso Wheel Hub		
	0.0	0.00	0.000	DRAWN	S. MASCIELLO	
MACHINING	±0.050	±0.020	±0.005	DESIGNED	M. BRADDOCK	
CUT OFF (SAW, BURN, SHEAR)	±0.1	±0.060		SIZE	DWG. NO.	REV
WELDING	±0.1	±0.060		A	EML2322L-002	A
ANGULAR DIMS	±5	±2	±0.5	SCALE: 1:1		SHEET 1 OF 1

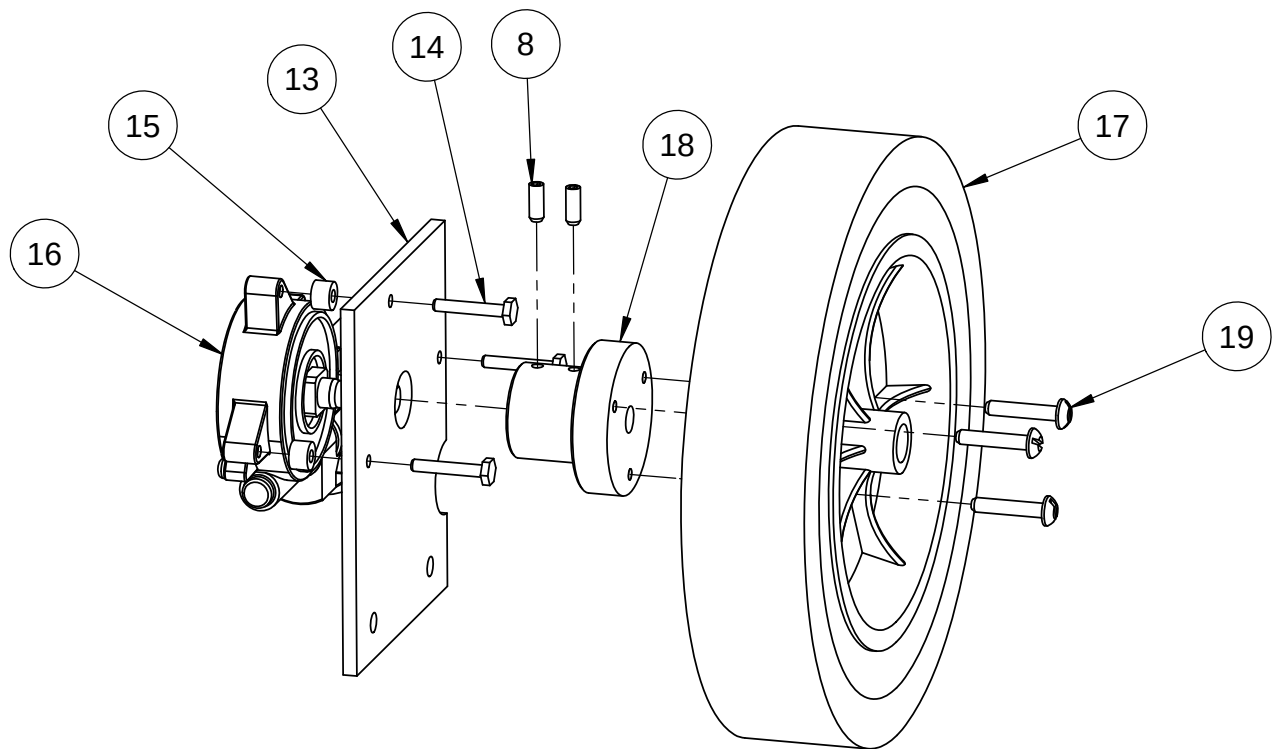


- NOTES:
1. DIMS IN INCHES
2. QUANTITY 1

TITLE:				Right Wheel Assembly			
DRAWN				D. TUYN			
DESIGNED				M. BRADDOCK			
SIZE		DWG. NO.			REV		
A		EML2322L-A-003			A		
SCALE: 1:2					SHEET 1 OF 2		

DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5

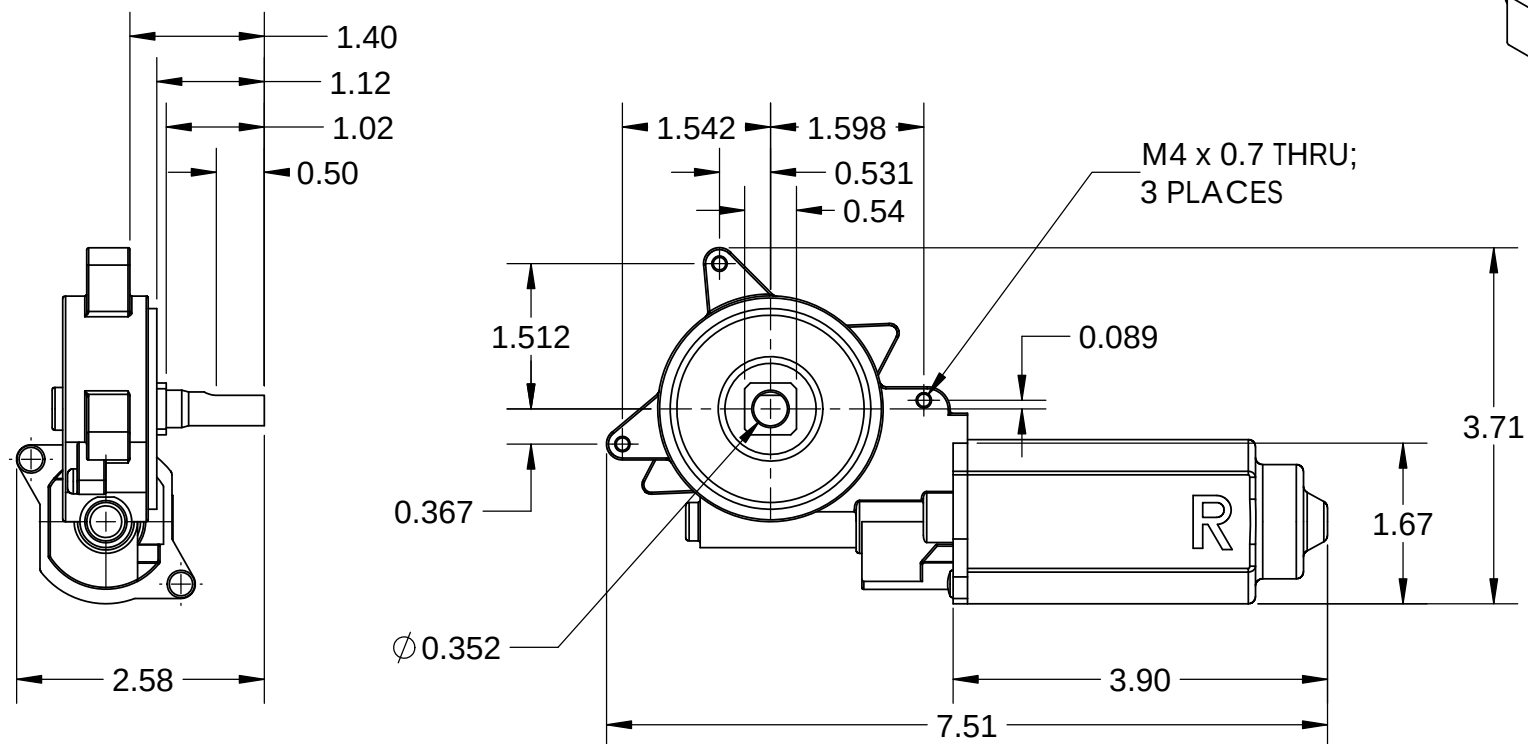
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	EML2322L-005	10-24 x 1/2 inch Socket Set Screw	2
13	EML2322L-003	Denso Motor Mount	1
14	EML2322L-004	M4x0.7x25mm Hex Head Cap Screw	3
15	EML2322L-021	Denso Motor Mount Spacer	3
16	EML2322L-014	150 RPM Denso Right Angle Gearmotor (Right)	1
17	EML2322L-011	8 inch Wheel Type 1	1
18	EML2322L-002	Denso Wheel Hub	1
19	EML2322L-006	10-24 x 1 inch Round Head Screw	3



NOTES:
1. DIMS IN INCHES
2. QUANTITY 1

TITLE: Right Wheel Assembly			
DRAWN D. TUYN			
DESIGNED M. BRADDOCK			
SIZE A	DWG. NO. EML2322L-A-003		REV A
SCALE: 2:5		SHEET 2 OF 2	

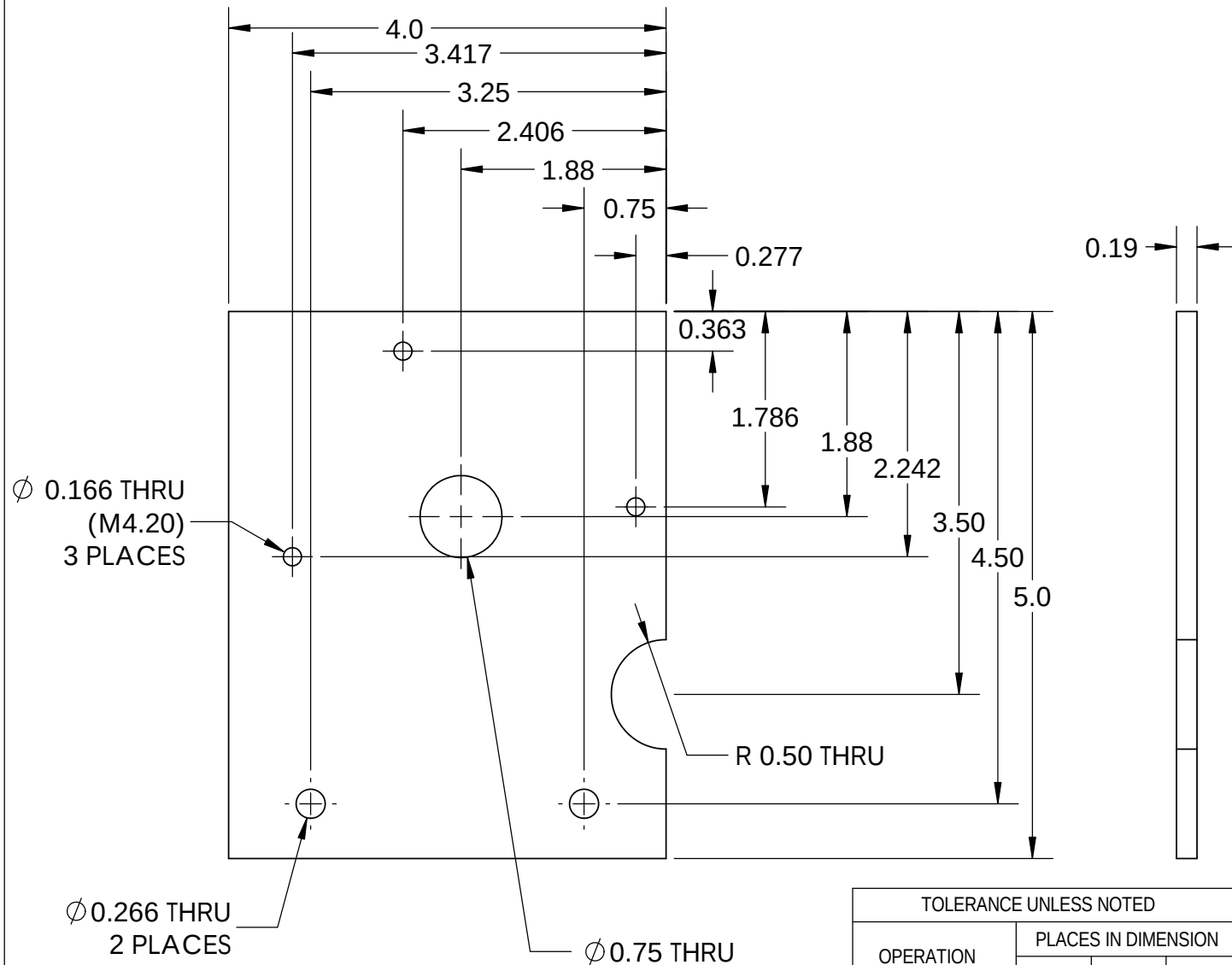
TOLERANCE UNLESS NOTED			
DIMENSION TYPE	PLACES IN DIMENSION		
	0.0	0.00	0.000
LOCATIONAL	±0.050	±0.020	±0.005
ANGULAR	±5	±2	±0.5



NOTES:

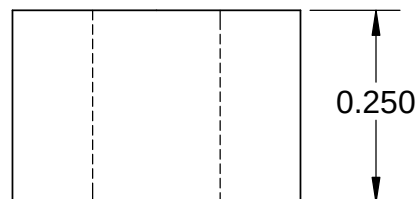
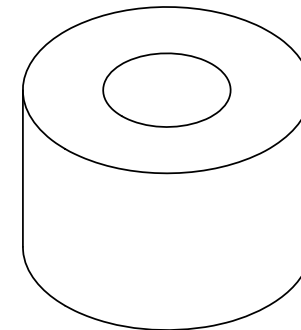
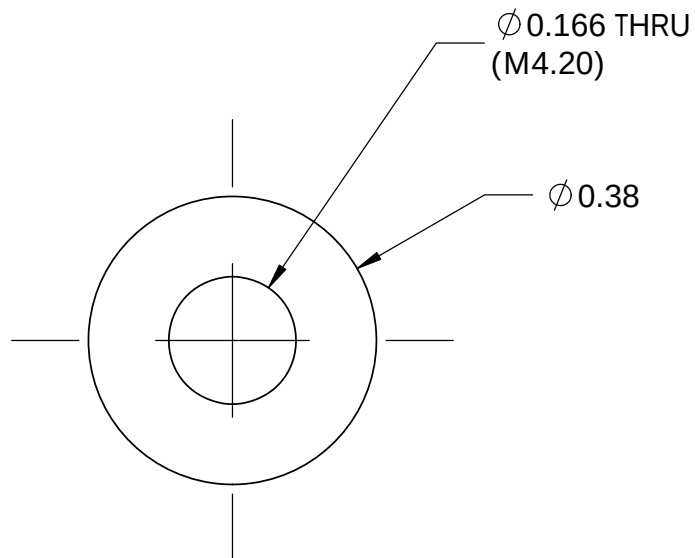
1. DIMS IN INCHES
2. QTY SPECIFIED IN BOM
3. DIMS AND MAT'L SPECIFIED BY MANUFACTURER
4. THE SQUARE EXTRUSION AT THE BASE OF THE SHAFT ROTATES WITH THE SHAFT; USE A 3/4" CLEARANCE HOLE TO ACCOMMODATE THE SQUARE

TOLERANCE UNLESS NOTED				TITLE: Denso Right Angle Gear Motor (Right)		
MEASURING INSTRUMENT	PLACES IN DIMENSION			DRAWN J. DERSCH		
	0.0	0.00	0.000	DESIGNED DENSO		
CALIPERS	/	/	±0.005	SIZE	DWG. NO.	REV
PRECISION RULER	/	±0.015	/	A	EML2322L-014	A
TAPE MEASURE	±0.030	/	/	SCALE: 1:2		
PROTRACTOR	±10	±5	±2	SHEET 1 OF 1		



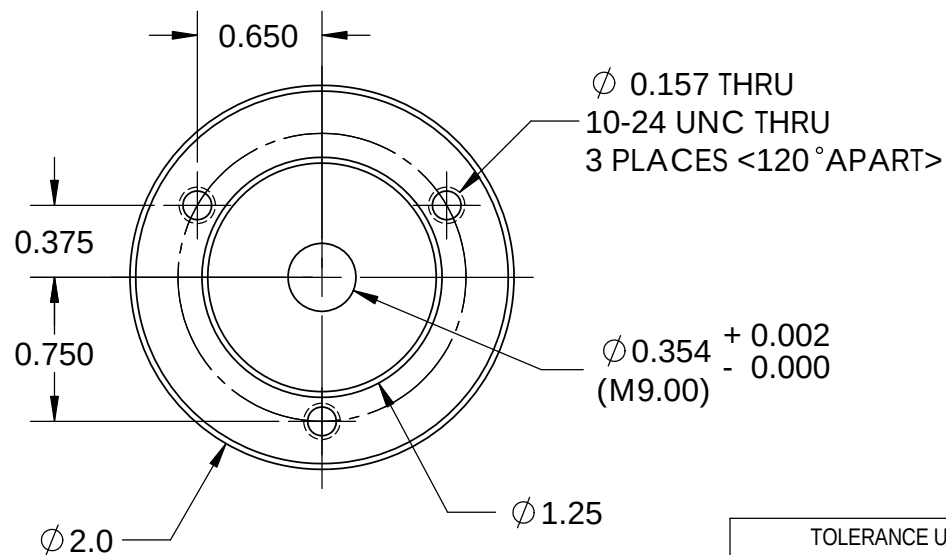
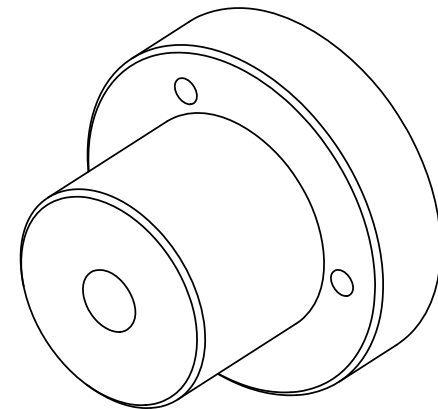
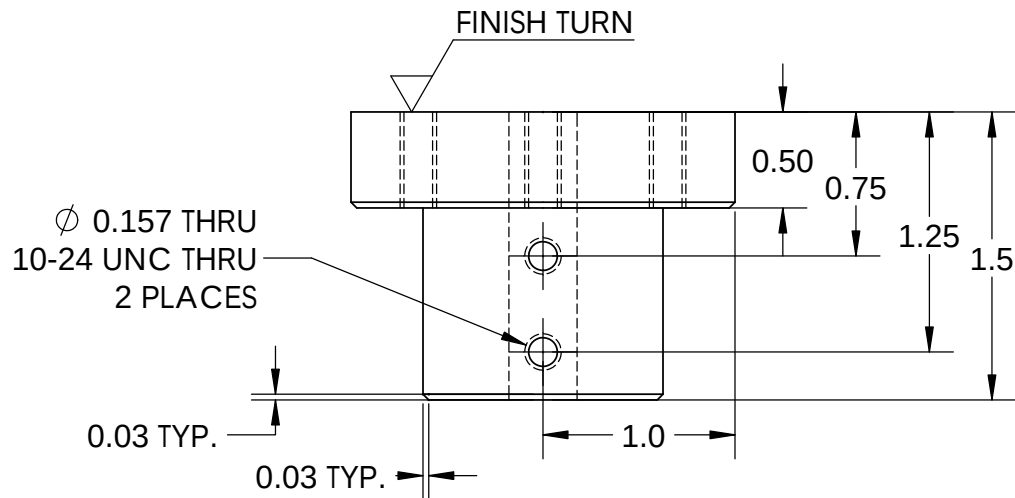
- NOTES:
1. DIMS IN INCHES
 2. QUANTITY: 2
 3. MAT'L: ALUMINUM
 4. FINISH NOTED SURFACES
 5. BREAK ALL EDGES

TOLERANCE UNLESS NOTED				TITLE:		
OPERATION	PLACES IN DIMENSION			Denso Motor Mount		
	0.0	0.00	0.000	DRAWN	S. MASCIELLO	
MACHINING	±0.050	±0.020	±0.005	DESIGNED	M.BRADDOCK	
CUT OFF (SAW, BURN, SHEAR)	±0.1	±0.060		SIZE	DWG. NO.	REV
WELDING	±0.1	±0.060		A	EML2322L-003	A
ANGULAR DIMS	±5	±2	±0.5	SCALE: 1:1.5	SHEET 1 OF 1	



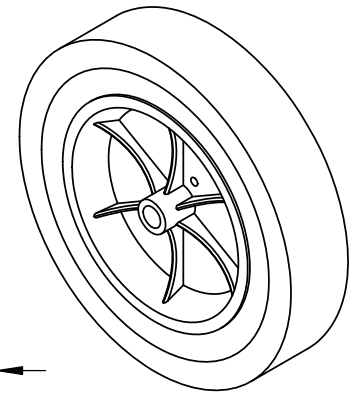
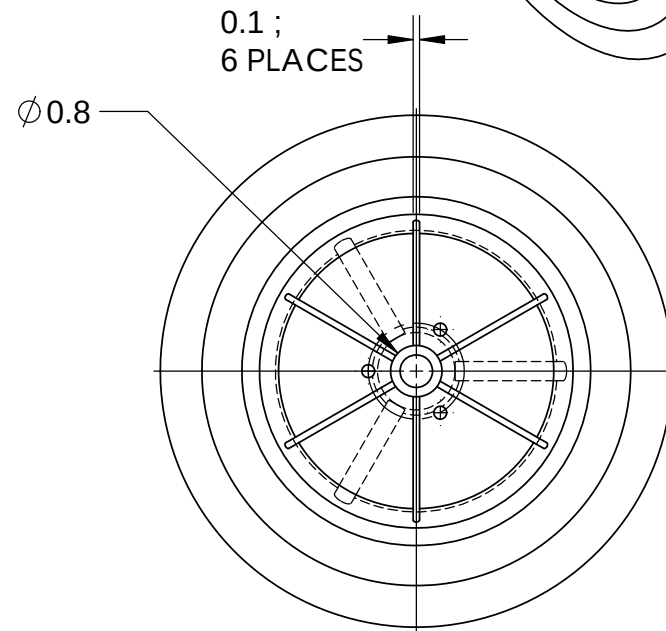
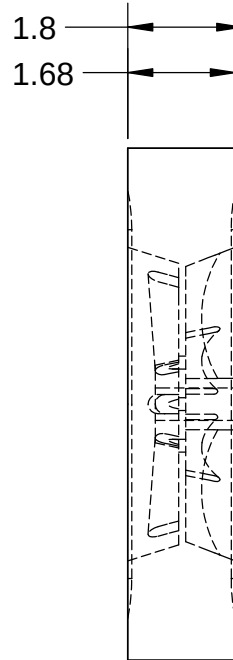
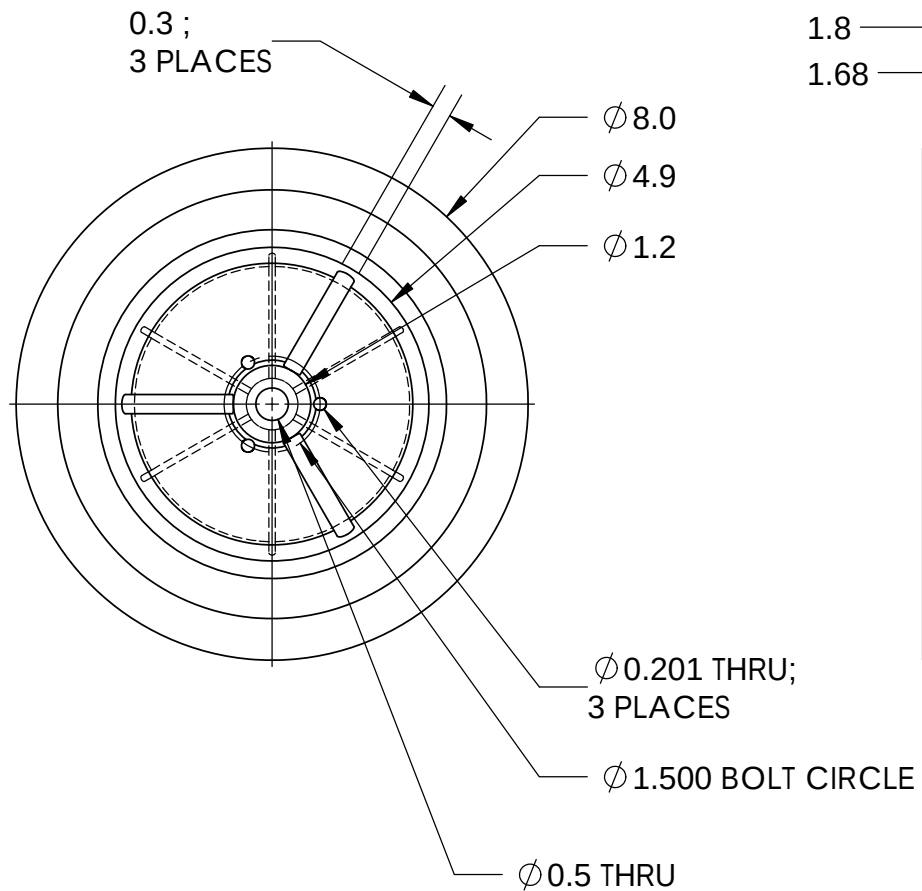
- NOTES:
1. DIMS IN INCHES
 2. QTY SPECIFIED IN BOM
 3. MAT'L: DELRIN

TOLERANCE UNLESS NOTED				TITLE:		
MEASURING INSTRUMENT	PLACES IN DIMENSION			Denso Motor Mount Spacer		
	0.0	0.00	0.000	DRAWN	S. MASCIELLO	
CALIPERS	/	/	±0.005	DESIGNED	M. BRADDOCK	
PRECISION RULER	/	±0.015	/	SIZE	DWG. NO. EML2322L-021	REV
TAPE MEASURE	±0.030	/	/	A		A
PROTRACTOR	±10	±5	±2	SCALE: 4:1	SHEET 1 OF 1	



- NOTES:
1. DIMS IN INCHES
 2. QUANTITY: 2
 3. MAT'L: ALUMINUM
 4. FINISH NOTED SURFACES
 5. BREAK ALL EDGES

TOLERANCE UNLESS NOTED				TITLE:		
OPERATION	PLACES IN DIMENSION			Denso Wheel Hub		
	0.0	0.00	0.000	DRAWN	S. MASCIELLO	
MACHINING	±0.050	±0.020	±0.005	DESIGNED	M. BRADDOCK	
CUT OFF (SAW, BURN, SHEAR)	±0.1	±0.060		SIZE	DWG. NO.	REV
WELDING	±0.1	±0.060		A	EML2322L-002	A
ANGULAR DIMS	±5	±2	±0.5	SCALE: 1:1		SHEET 1 OF 1

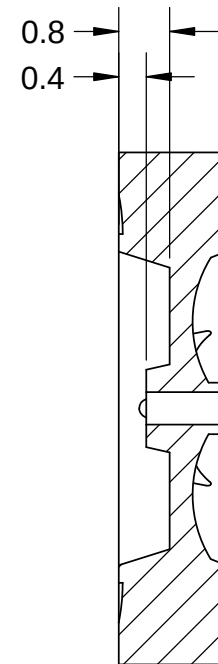
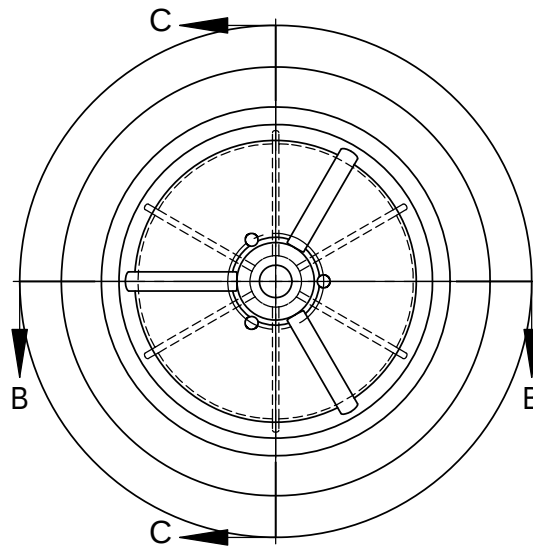
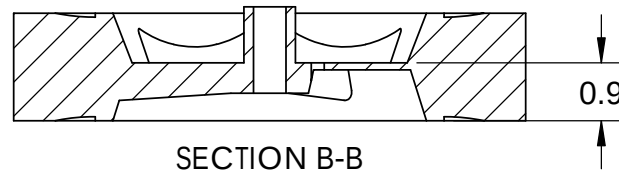


NOTES:

1. DIMS IN INCHES
2. QTY SPECIFIED IN BOM
3. DIMS AND MAT'L SPECIFIED BY MANUFACTURER

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TOLERANCE UNLESS NOTED				TITLE:		
MEASURING INSTRUMENT	PLACES IN DIMENSION			8 Inch Wheel Type 1		
	0.0	0.00	0.000	DRAWN	J. Dersch	
CALIPERS	/	/	±0.005	DESIGNED	ARNOLD	
PRECISION RULER	/	±0.015	/	SIZE	DWG. NO.	REV
TAPE MEASURE	±0.030	/	/	A	EML2322L-011	A
PROTRACTOR	±10	±5	±2	SCALE: 1:3		SHEET 1 OF 2



NOTES:

1. DIMS IN INCHES
2. QTY SPECIFIED IN BOM
3. DIMS AND MAT'L SPECIFIED BY MANUFACTURER

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TOLERANCE UNLESS NOTED				TITLE:		
MEASURING INSTRUMENT	PLACES IN DIMENSION			8 Inch Wheel Type 1		
	0.0	0.00	0.000	DRAWN	J. Dersch	
CALIPERS			±0.005	DESIGNED	ARNOLD	
PRECISION RULER		±0.015		SIZE	DWG. NO.	REV
TAPE MEASURE	±0.030			A	EML2322L-011	A
PROTRACTOR	±10	±5	±2	SCALE: 1:3		SHEET 2 OF 2