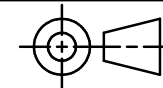
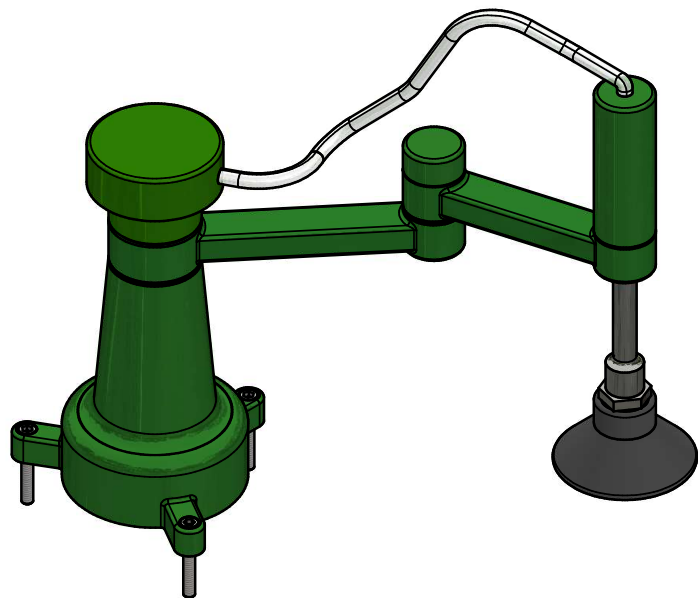


PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE E-01	ALUMINUM	
2	1	ARM E-01	ALUMINUM	
3	1	ARM E-02	ALUMINUM	
4.1	1	SLIDING TUBE TOP	STEEL	
4.2	1	SLIDING TUBE BOTTOM	STEEL	
5	1	VACUUM CONNECTOR	STEEL	
6	1	VACUUM CUP	RUBBER	
7	1	BASE CAP	ALUMINUM	
8	1	ELBOW CAP	ALUMINUM	
9	1	VACUUM CAP	ALUMINUM	
10	3	CAP SCREW	STEEL	ANSI B18.3 - No. 10 - 24 UNC - 1 1/4 HS HCS
11	1	VACUUM LINE	RUBBER	INNER Ø.125" OUTER Ø.25" LENGTH 9"

DDGT

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GRAPHIC
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TOLERANCE UNLESS SPECIFIED:

DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ± 1/64"
ANGLES ± 1 DEGREE

SURFACES ³² ✓

CLASS: DDGT 241

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: G. SILVA

DATE: 2/22/2024

SCALE: AS NOTED

PAGE #: 1 OF 5

LEGEND:

Ø DIAMETER

R RADIUS

° DEGREE

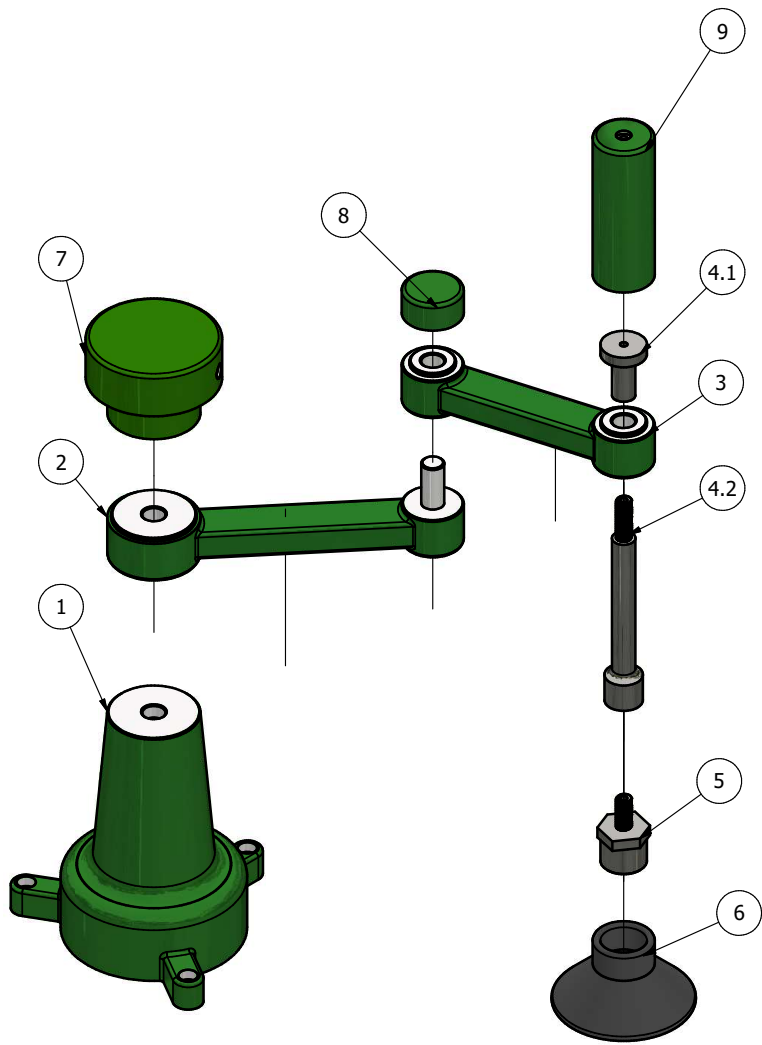
└┘ COUNTERBORE

↓ DEPTH

GENERAL NOTES:

ALL ROUNDS AND FILLETS .06 UNLESS OTHERWISE SPECIFIED

ALL CHAMFERS .02 X 45° UNLESS OTHERWISE SPECIFIED



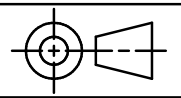
EXPLODED VIEW
SCALE 1 / 2

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE E-01
2	1	ARM E-01
3	1	ARM E-02
4.1	1	SLIDING TUBE TOP
4.2	1	SLIDING TUBE BOTTOM
5	1	VACUUM CONNECTOR
6	1	VACUUM CUP
7	1	BASE CAP
8	1	ELBOW CAP
9	1	VACUUM CAP
10	3	CAP SCREW
11	1	VACUUM LINE



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TOLERANCE UNLESS SPECIFIED:
 DECIMAL INCHES:
 X = ±.020
 XX = ±.010
 XXX = ±.005
 FRACTIONAL ± 1/64"
 ANGLES ± 1 DEGREE
 SURFACES ³² ✓

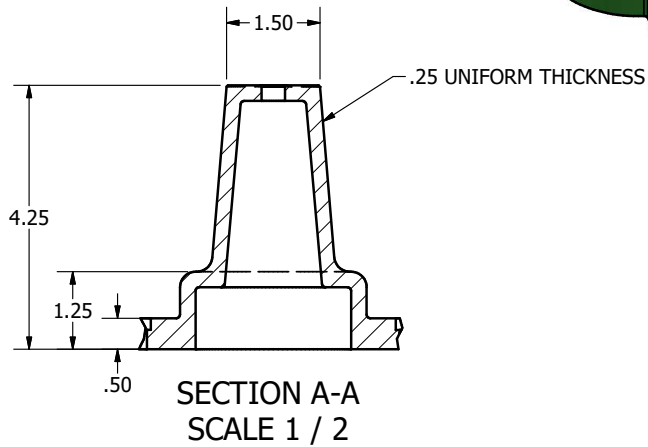
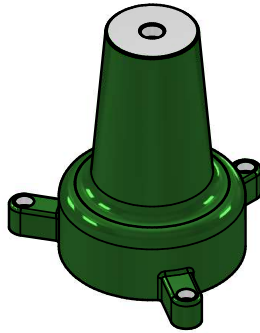
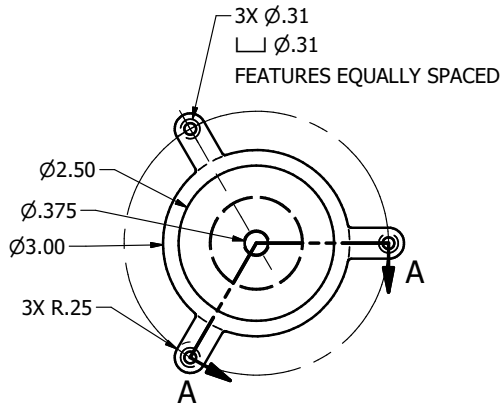
CLASS:	DDGT 241
ASSIGNMENT #:	10
INVENTOR DRAWING NAME:	ROBOTIC ARM
FIG #:	1058
MANAGER:	G. STROMMEN
DRAFTER:	G. SILVA
DATE:	2/22/2024
SCALE:	AS NOTED
PAGE #:	2 OF 5

LEGEND:

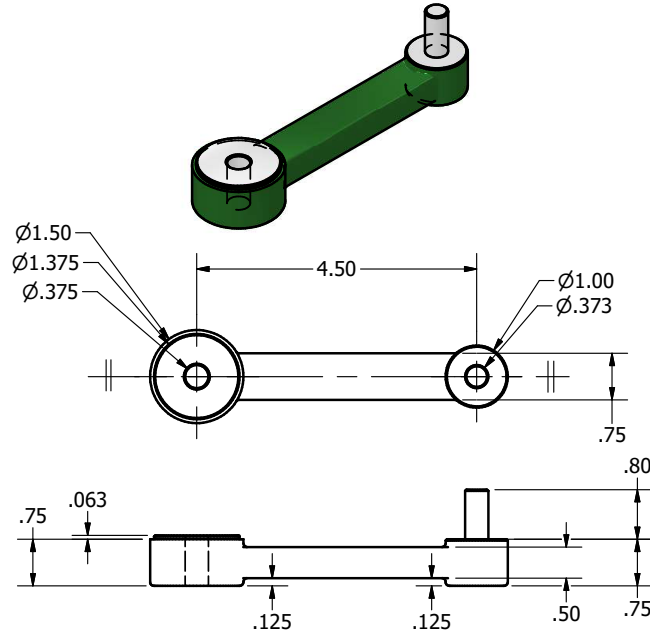
- ∅ DIAMETER
- R RADIUS
- ° DEGREE
- ┌ COUNTERBORE
- ↓ DEPTH

GENERAL NOTES:

ALL ROUNDS AND FILLETS .06 UNLESS OTHERWISE SPECIFIED
 ALL CHAMFERS .02 X 45° UNLESS OTHERWISE SPECIFIED



PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE E-01
2	1	ARM E-01



ARM - 01
 SCALE 1 / 2

LEGEND:

- \varnothing DIAMETER
- R RADIUS
- \cdot DEGREE
- \sqcup COUNTERBORE
- \downarrow DEPTH

GENERAL NOTES:

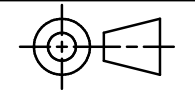
ALL ROUNDS AND FILLETS .06 UNLESS OTHERWISE SPECIFIED

ALL CHAMFERS .02 X 45° UNLESS OTHERWISE SPECIFIED



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TOLERANCE UNLESS SPECIFIED:

DECIMAL INCHES:
 X = \pm .020
 XX = \pm .010
 XXX = \pm .005
 FRACTIONAL \pm 1/64"
 ANGLES \pm 1 DEGREE

SURFACES $\frac{32}{\sqrt{\quad}}$

CLASS: DDGT 241

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
 ROBOTIC ARM

FIG #: 1058

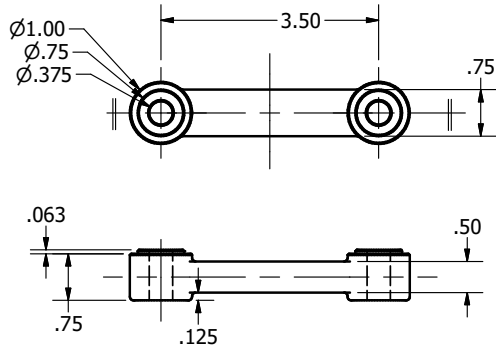
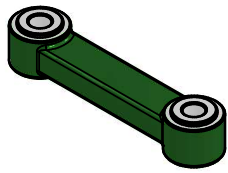
MANAGER: G. STROMMEN

DRAFTER: G. SILVA

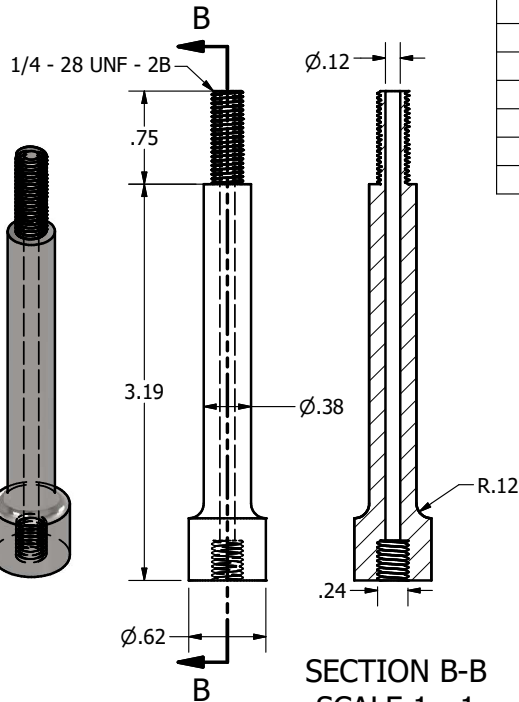
DATE: 2/22/2024

SCALE: AS NOTED

PAGE #: 3 OF 5



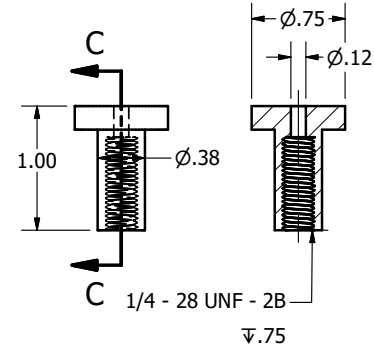
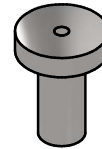
ARME - 02
SCALE 1 / 2



SECTION B-B
SCALE 1 : 1

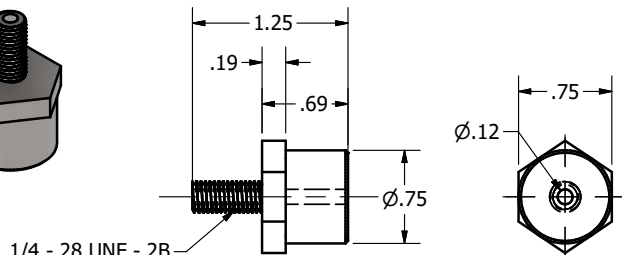
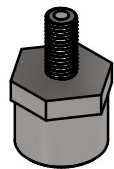
SLIDING TUBE BOTTOM
SCALE 1 : 1

PARTS LIST		
ITEM	QTY	PART NUMBER
3	1	ARM E-02
4.1	1	SLIDING TUBE TOP
4.2	1	SLIDING TUBE BOTTOM
5	1	VACUUM CONNECTOR
11	1	VACUUM LINE



SECTION C-C
SCALE 1 : 1

SLIDING TUBE TOP
SCALE 1 : 1



VACUUM CONNECTOR
SCALE 1 : 1

GENERAL NOTES:

ALL ROUNDS AND FILLETS .06 UNLESS OTHERWISE SPECIFIED

ALL CHAMFERS .02 X 45° UNLESS OTHERWISE SPECIFIED

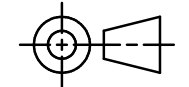
LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREE
- COUNTERBORE
- ↓ DEPTH



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- ANGLES ± 1 DEGREE
- SURFACES 32 ✓

CLASS: DDGT 241

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

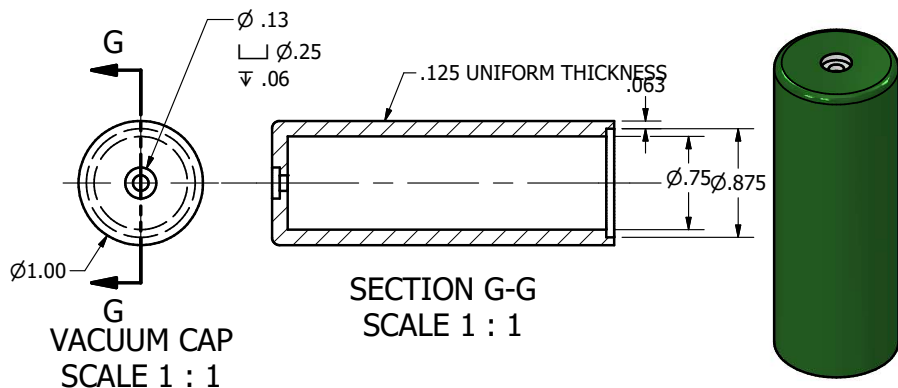
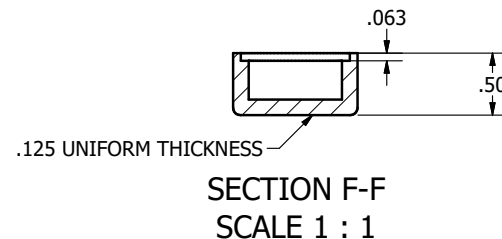
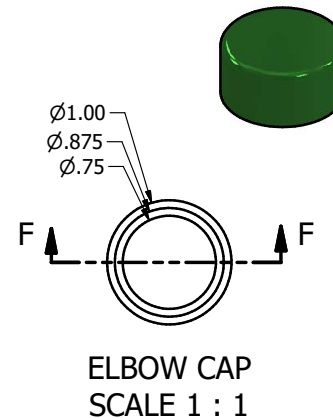
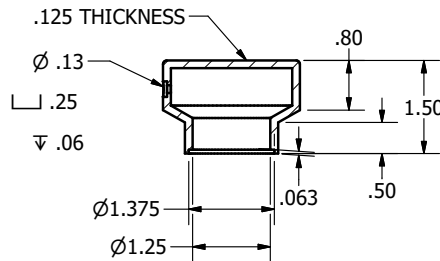
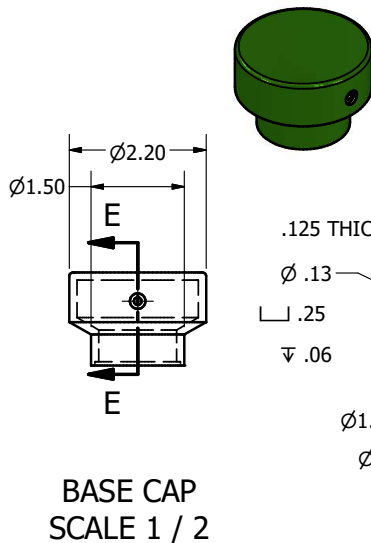
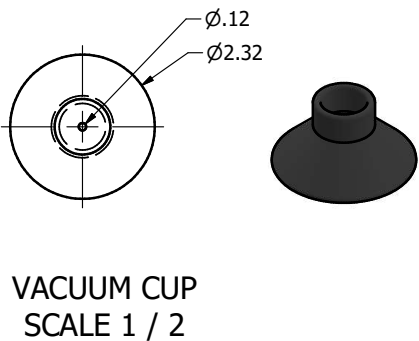
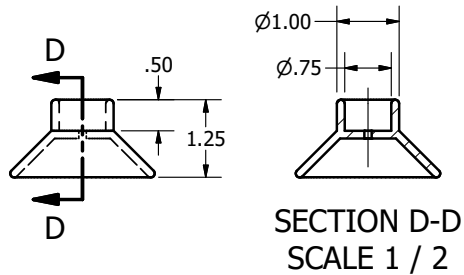
MANAGER: G. STROMMEN

DRAFTER: G. SILVA

DATE: 2/22/2024

SCALE: AS NOTED

PAGE #: 4 OF 5



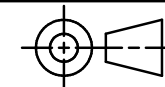
SECTION G-G
SCALE 1 : 1

PARTS LIST		
ITEM	QTY	PART NUMBER
6	1	VACUUM CUP
7	1	BASE CAP
8	1	ELBOW CAP
9	1	VACUUM CAP
11	1	VACUUM LINE



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SURFACES 32 ✓

CLASS: DDGT 241

ASSIGNMENT #: 10

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: G. SILVA

DATE: 2/22/2024

SCALE: AS NOTED

PAGE #: 5 OF 5

GENERAL NOTES:

ALL ROUNDS AND FILLETS .06 UNLESS OTHERWISE SPECIFIED

ALL CHAMFERS .02 X 45° UNLESS OTHERWISE SPECIFIED

LEGEND:

Ø DIAMETER

R RADIUS

° DEGREE

└ COUNTERBORE

↓ DEPTH