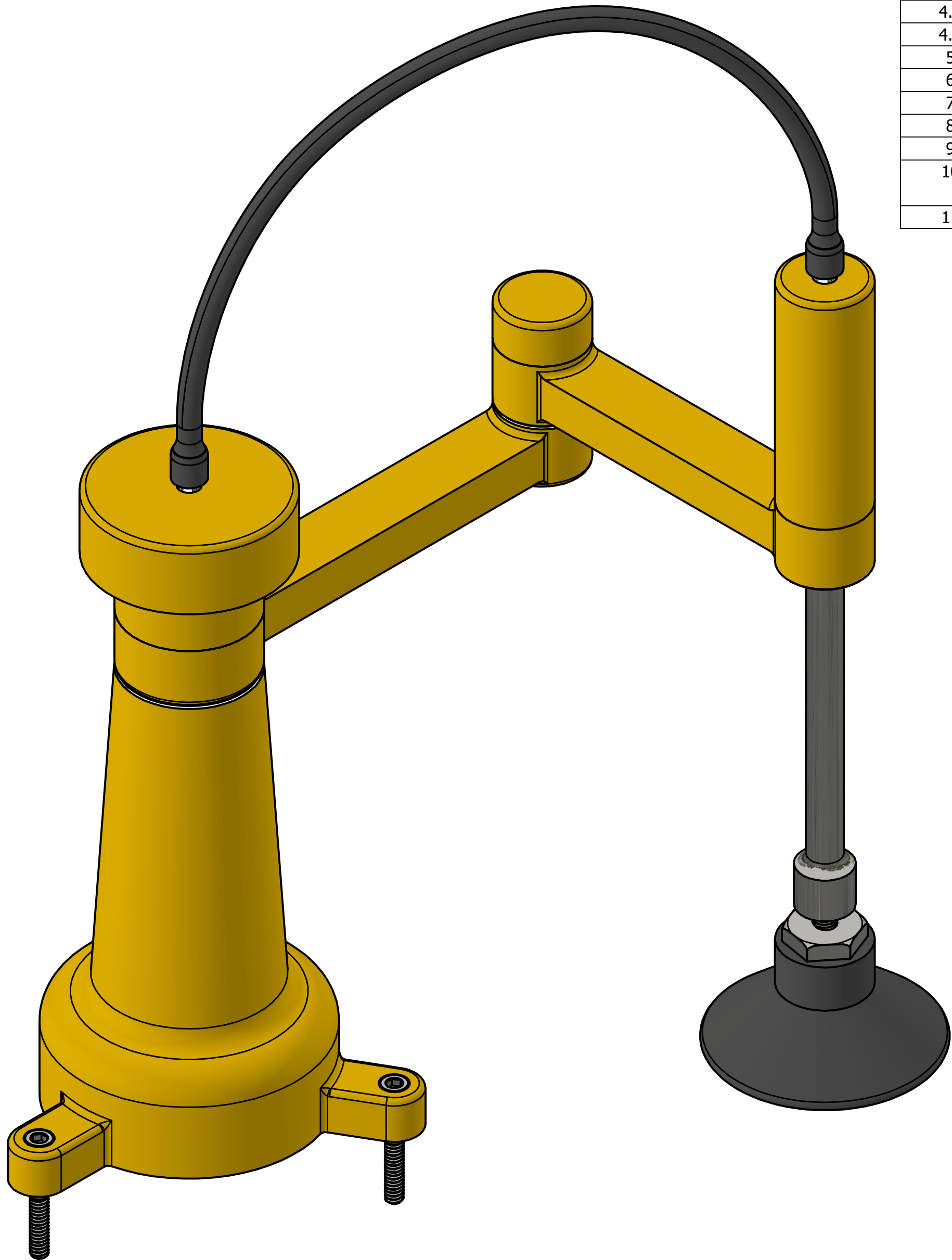




ROBOT ARM ASSEMBLY
SCALE 1 : 1

PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE	ALUMINUM	PAINT NON-MATING SURFACES
2	1	ARM E01	ALUMINUM	PAINT NON-MATING SURFACES
3	1	ARM E02	ALUMINUM	PAINT NON-MATING SURFACES
4.1	1	SLIDING TUBE	STEEL	
4.2	1	SLIDING TUBE CAP	STEEL	
5	1	VACUUM CONNECTOR	STEEL	
6	1	VACUUM CUP	RUBBER	
7	1	BASE CAP	ALUMINUM	PAINT NON-MATING SURFACES
8	1	ELBOW CAP	ALUMINUM	PAINT NON-MATING SURFACES
9	1	VACUUM CAP	ALUMINUM	PAINT NON-MATING SURFACES
10	3	CAP SCREW	STEEL	1-14" 10-36 UNS MCMASTER CARR # 91274A124
11	1	RUBBER HOSE	RUBBER	ID 1/8", OD 1/4", LENGTH 12"

5

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- COUNTER BORE/SPOTFACE
- ▽ DEPTH

5	CHANGED TUBE LENGTH FROM 10.00" TO 12.00"	3/9/2025	G.STROMMEN	1
4	CHANGED SLIDING TUBE LENGTH FROM 4.19" TO 5.19"	3/9/2025	G.STROMMEN	4
3	CHANGED ARM E02 LENGTH FROM 3.50" TO 4.00"	3/9/2025	G.STROMMEN	4
2	CHANGED ARM E01 LENGTH FROM 4.50" TO 5.00"	3/9/2025	G.STROMMEN	3
1	CHANGED BASE HEIGHT FROM 3.00" TO 4.00"	3/9/2025	G.STROMMEN	3
REV	DESCRIPTION	DATE	APPROVED	SHEET

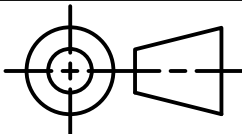
REVISION HISTORY

DDGT

DIGITAL DESIGN
GRAPHIC
TECHNOLOGY

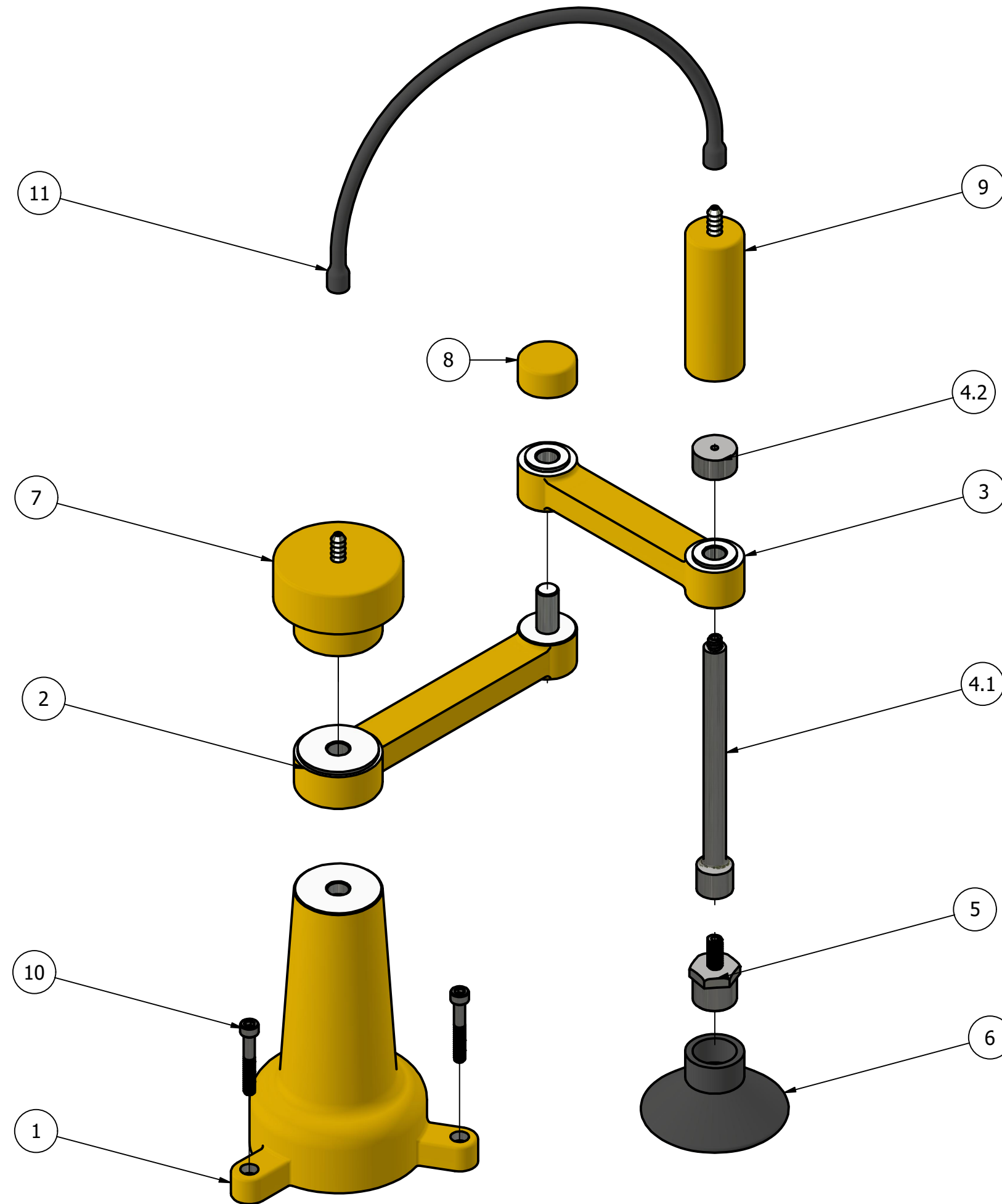
WWW.DDGT.NET

GENERAL NOTES:
ALL FILLETS .06 UNLESS
OTHERWISE NOTED
ALL CHAMFERS .02 X 45°
UNLESS OTHERWISE
NOTED



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

CLASS: DDGT 241
ASSIGNMENT NUMBER: 11
INVENTOR DRAWING NAME:
ROBOT ARM
FIG #: 1058
MANAGER: G. STROMMEN
DRAFTER: G. RAMIREZ
DATE: 3/9/2025
SCALE: AS NOTED
PAGE #: 1 OF 6

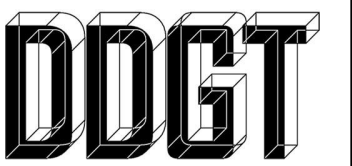


ROBOT ARM EXPLODED ASSEMBLY
SCALE 1 / 2

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	1	ARM E01
3	1	ARM E02
4.1	1	SLIDING TUBE
4.2	1	SLIDING TUBE CAP
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	RUBBER HOSE

LEGEND:

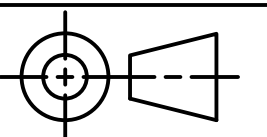
- Ø DIAMETER
- R RADIUS
- ° DEGREES
- COUNTER BORE/SPOTFACE
- ▽ DEPTH



DIGITAL DESIGN
GRAPHIC
TECHNOLOGY

WWW.DDGT.NET

GENERAL NOTES:
ALL FILLETS .06 UNLESS
OTHERWISE NOTED
ALL CHAMFERS .02 X 45°
UNLESS OTHERWISE
NOTED



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

CLASS: DDGT 241

ASSIGNMENT NUMBER: 11

INVENTOR DRAWING NAME:
ROBOT ARM

FIG #: 1058

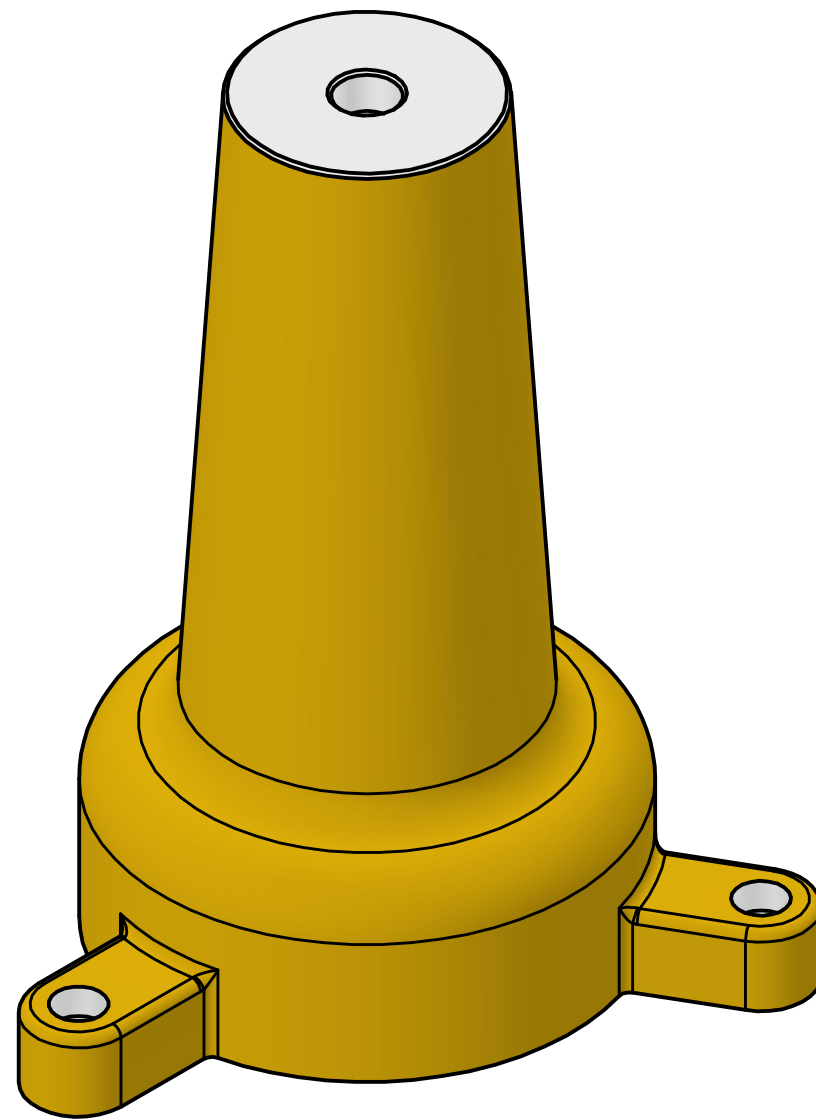
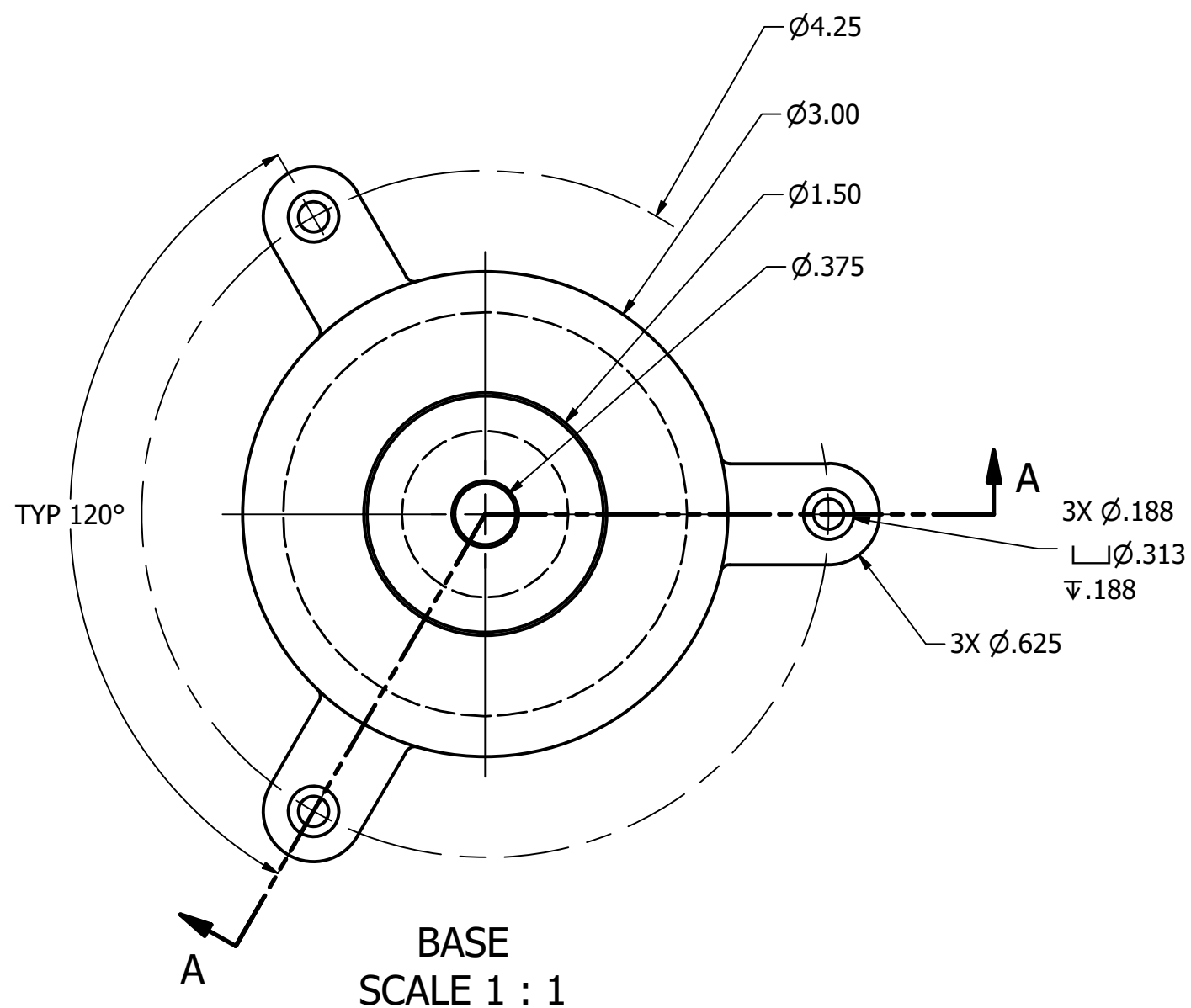
MANAGER: G. STROMMEN

DRAFTER: G. RAMIREZ

DATE: 3/9/2025

SCALE: AS NOTED

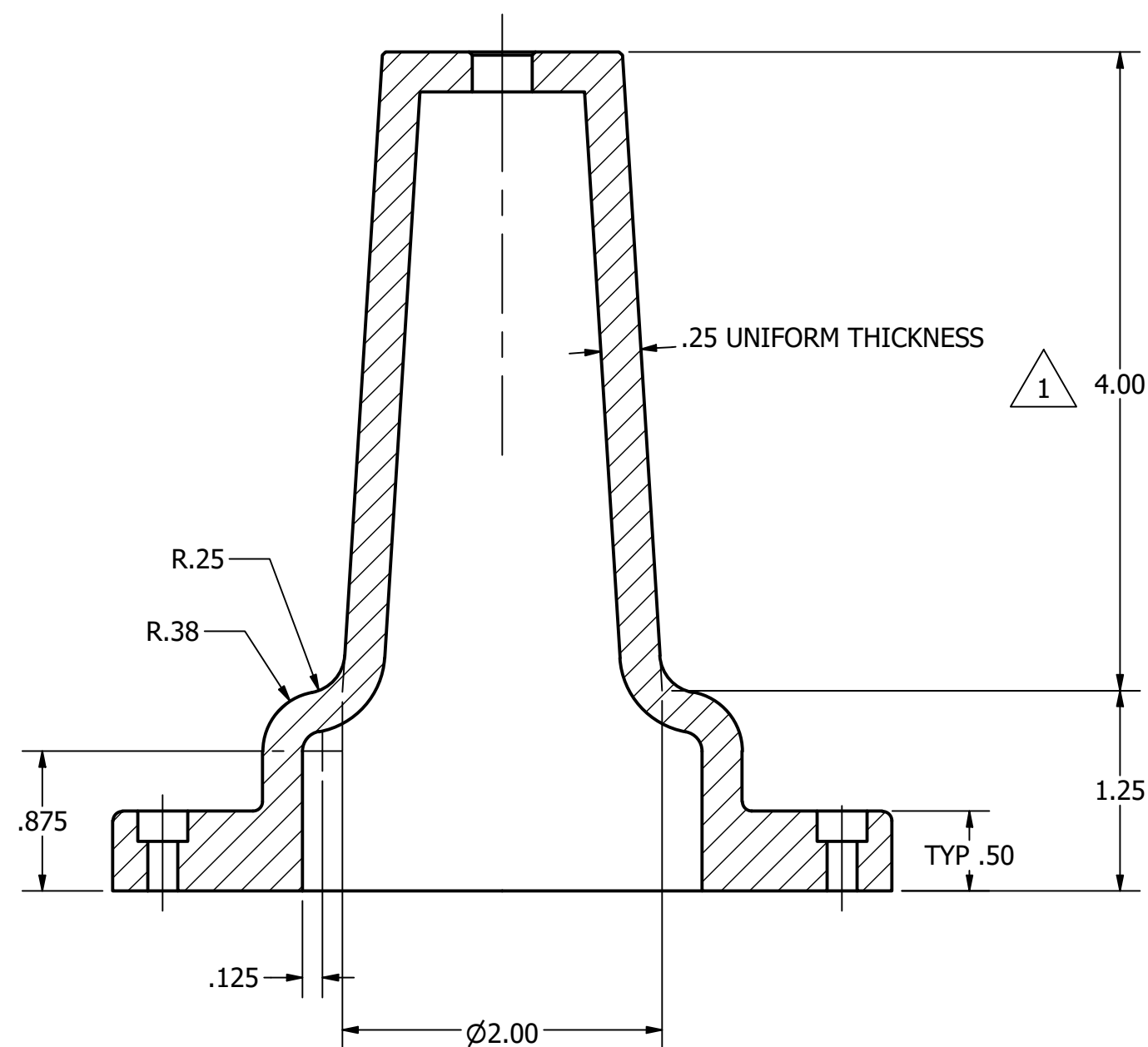
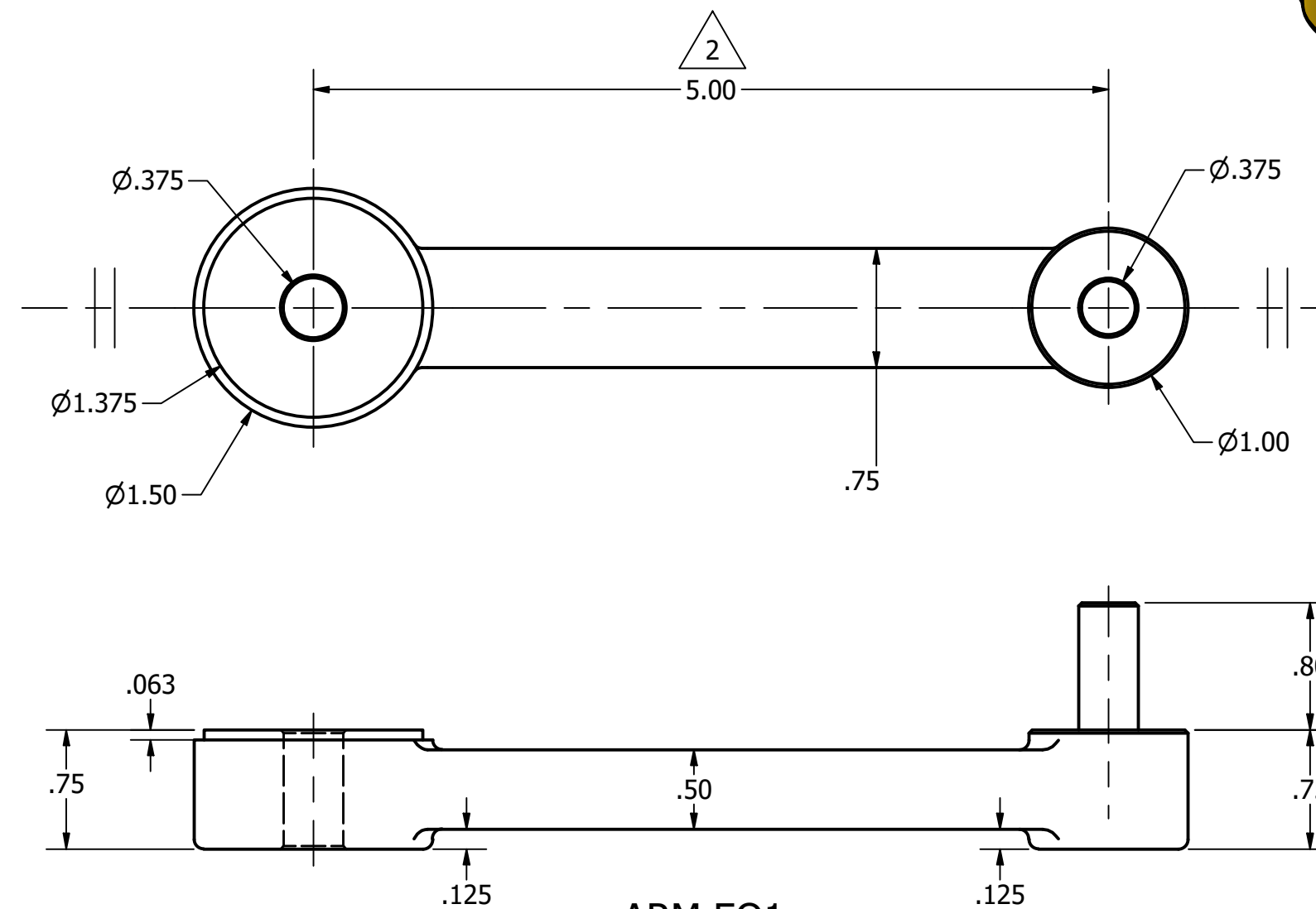
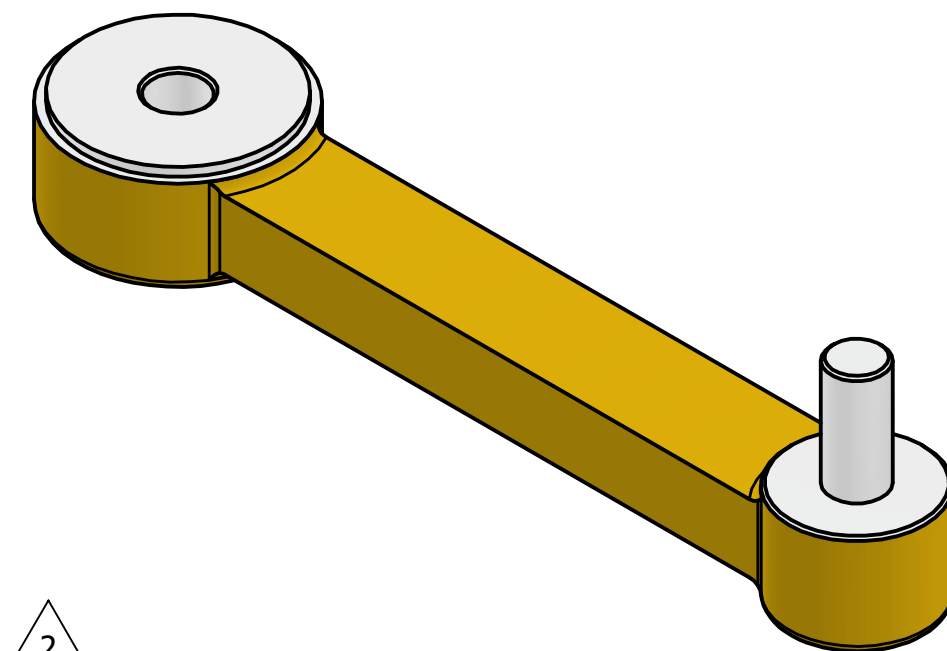
PAGE #: 2 OF 6



PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	1	ARM E01

LEGEND:

Ø	DIAMETER
R	RADIUS
°	DEGREES
□	COUNTER BORE/SPOTFACE
▽	DEPTH



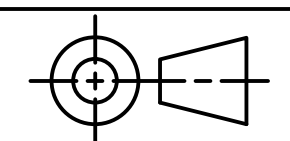
DDGT

DIGITAL DESIGN
GRAPHIC
TECHNOLOGY

WWW.DDGT.NET

GENERAL NOTES:

ALL FILLETS .06 UNLESS
OTHERWISE NOTED
ALL CHAMFERS .02 X 45°
UNLESS OTHERWISE
NOTED



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

CLASS: DDGT 241

ASSIGNMENT NUMBER: 11

INVENTOR DRAWING NAME:

ROBOT ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: G. RAMIREZ

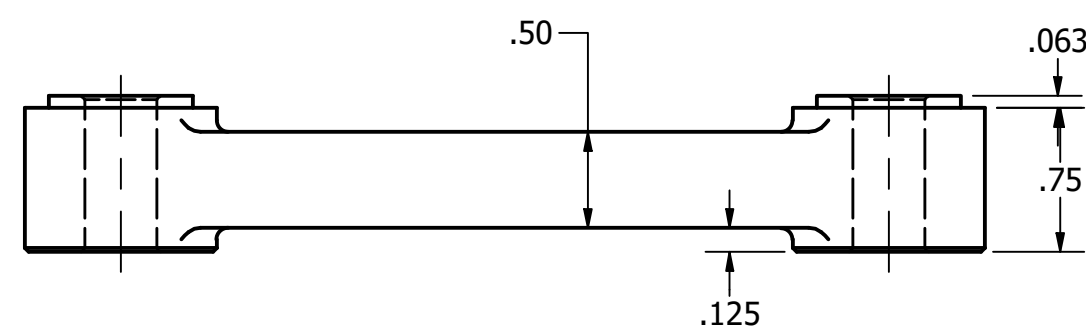
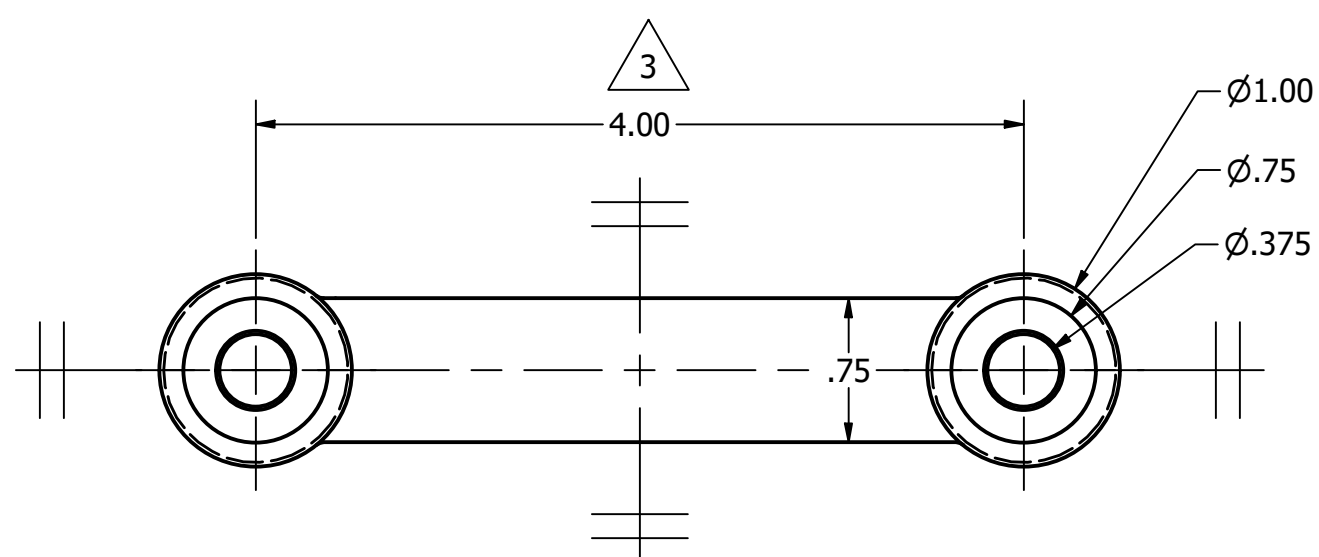
DATE: 3/9/2025

SCALE: AS NOTED

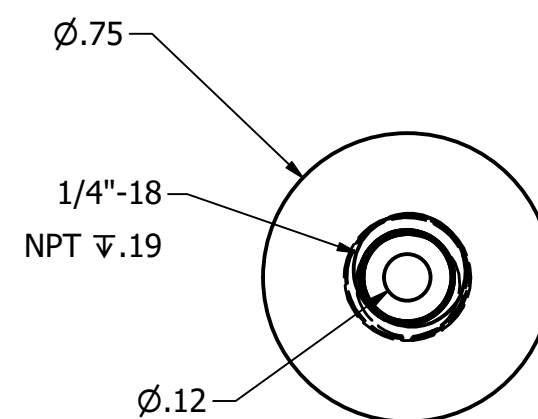
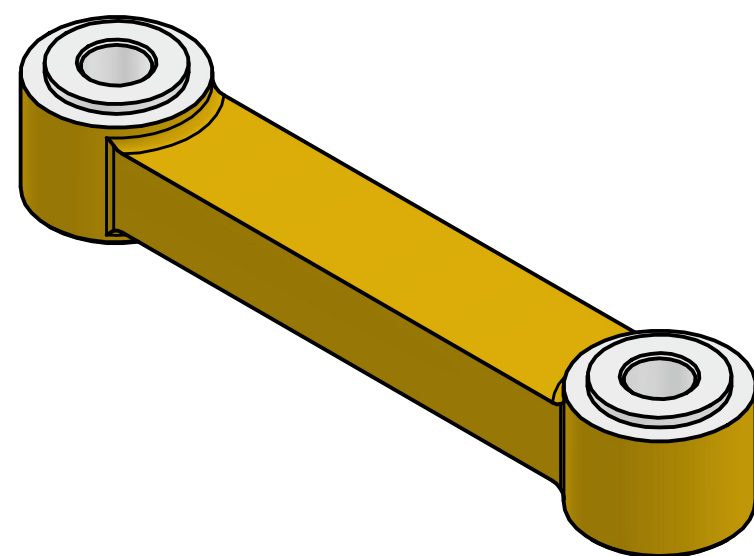
PAGE #: 3 OF 6

2	CHANGED ARM E01 LENGTH FROM 4.50" TO 5.00"	3/9/2025	G.STROMMEN
1	CHANGED BASE HEIGHT FROM 3.00" TO 4.00"	3/9/2025	G.STROMMEN
REV	DESCRIPTION	DATE	APPROVED

REVISION HISTORY



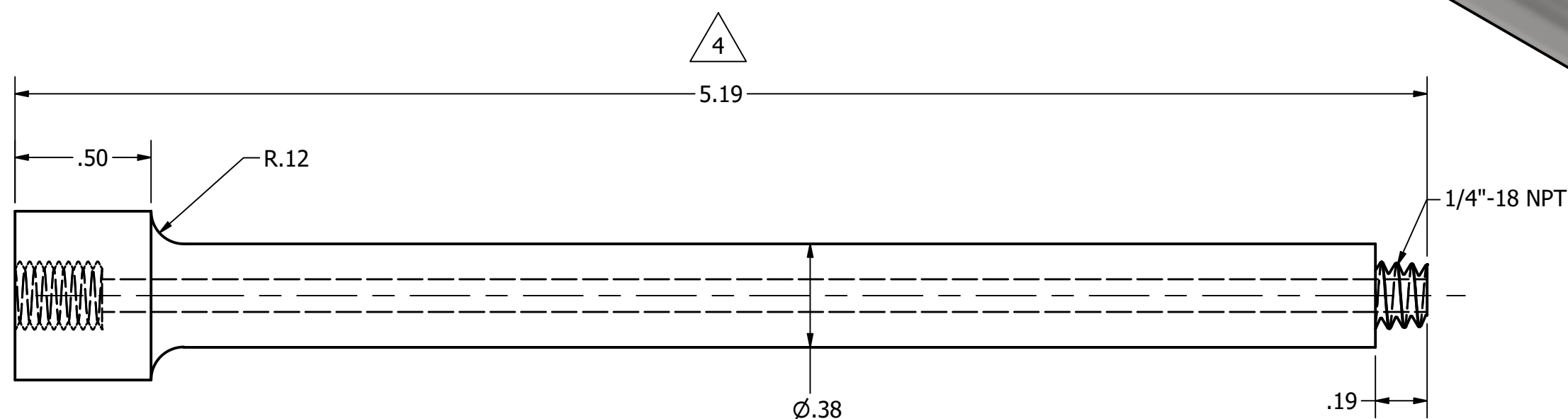
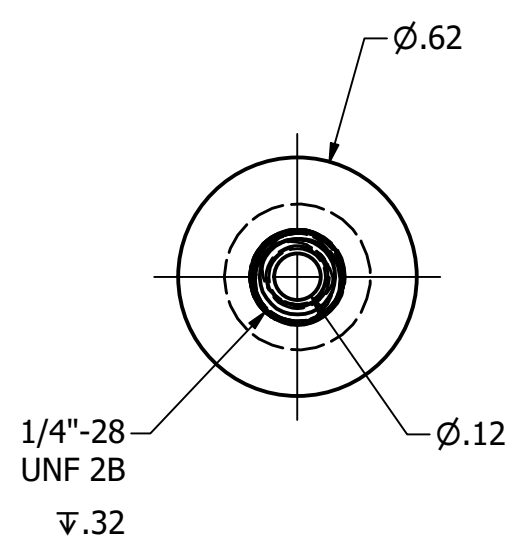
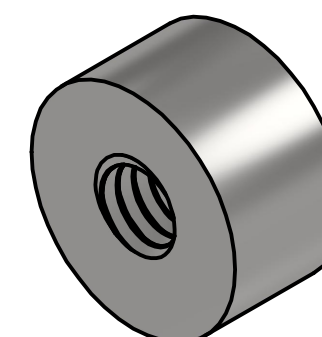
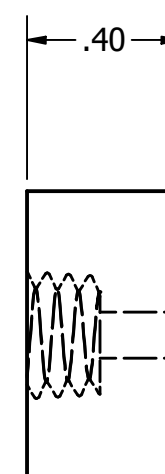
ARM E02
SCALE 1 : 1



SLIDING TUBE CAP
SCALE 2 : 1

LEGEND:

- Ø DIAMETER
R RADIUS
° DEGREES
□ COUNTER BORE/SPOTFACE
▽ DEPTH



SLIDING TUBE
SCALE 2 : 1

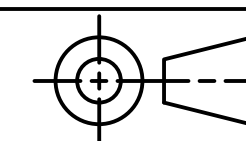
PARTS LIST		
ITEM	QTY	PART NUMBER
3	1	ARM E02
4.1	1	SLIDING TUBE
4.2	1	SLIDING TUBE CAP

DDGT

DIGITAL DESIGN
GRAPHIC
TECHNOLOGY

WWW.DDGT.NET

GENERAL NOTES:
ALL FILLETS .06 UNLESS
OTHERWISE NOTED
ALL CHAMFERS .02 X 45°
UNLESS OTHERWISE
NOTED



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

CLASS: DDGT 241

ASSIGNMENT NUMBER: 11

INVENTOR DRAWING NAME:

ROBOT ARM

FIG #: 1058

MANAGER: G. STROMMEN

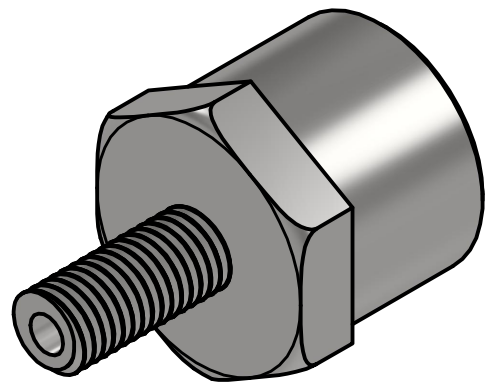
DRAFTER: G. RAMIREZ

DATE: 3/9/2025

SCALE: AS NOTED

PAGE #: 4 OF 6

4	CHANGED SLIDING TUBE LENGTH FROM 4.19" TO 5.19"	3/9/2025	G.STROMMEN
3	CHANGED ARM E02 LENGTH FROM 3.50" TO 4.00"	3/9/2025	G.STROMMEN
REV	DESCRIPTION	DATE	APPROVED
REVISION HISTORY			



LEGEND:

- Ø DIAMETER
R RADIUS
° DEGREES
□ COUNTER BORE/SPOTFACE
▽ DEPTH

PARTS LIST

ITEM	QTY	PART NUMBER
5	1	VACUUM CONNECTOR
6	1	VACUUM CUP
8	1	ELBOW CAP

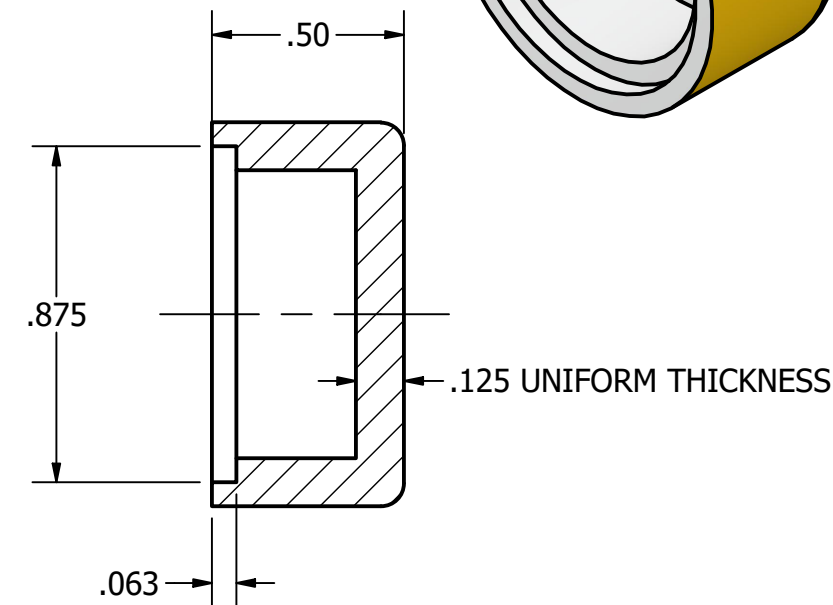
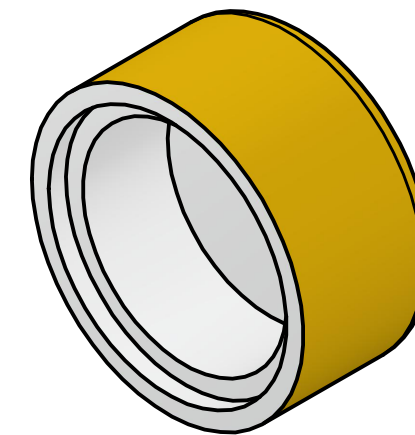
DDGT

DIGITAL DESIGN
GRAPHIC
TECHNOLOGY

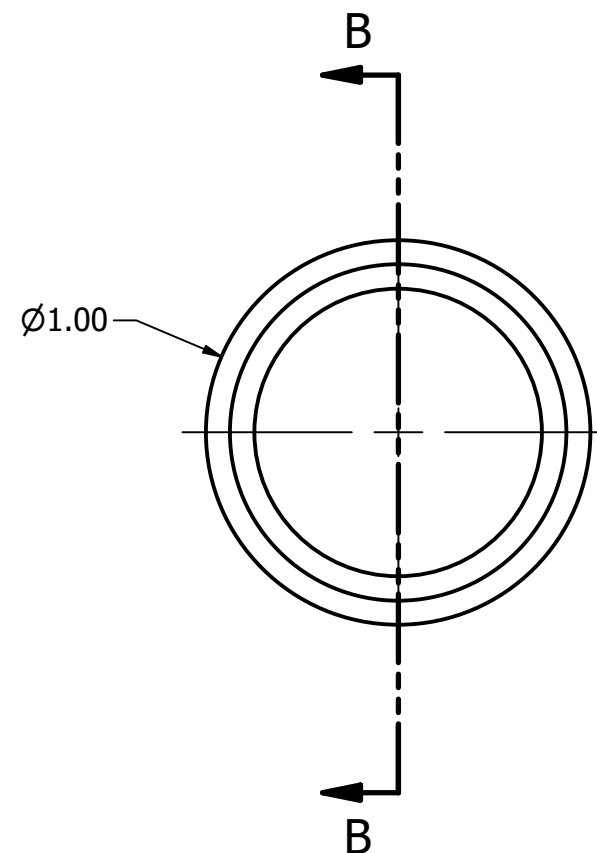
WWW.DDGT.NET

GENERAL NOTES:

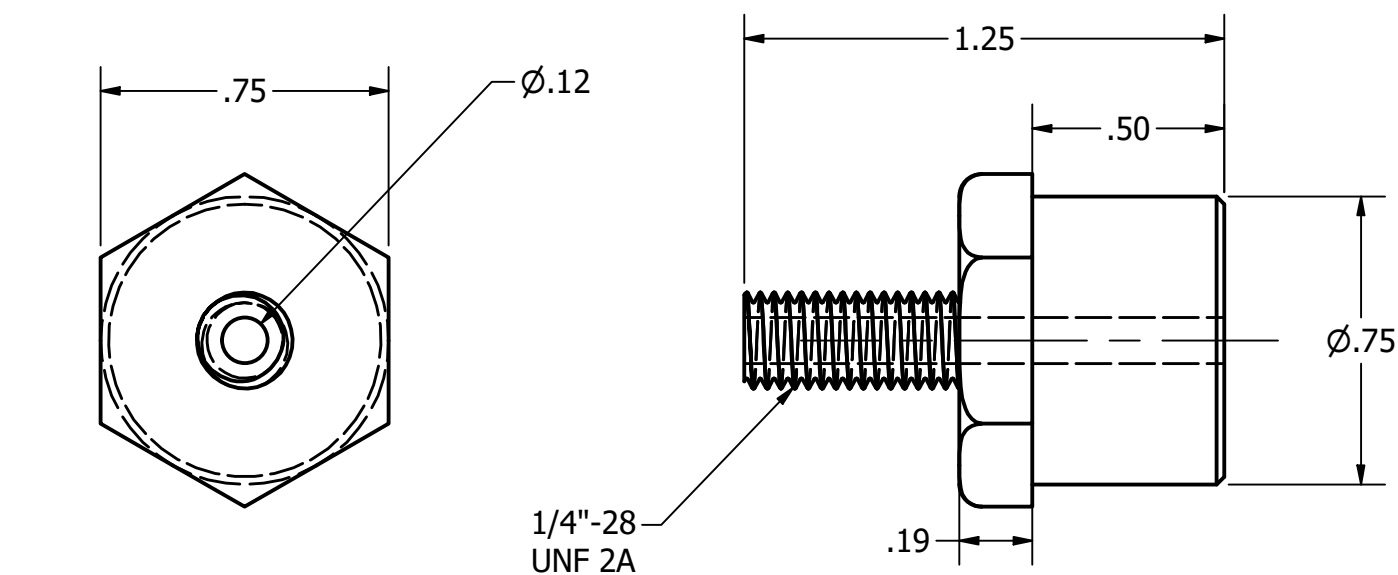
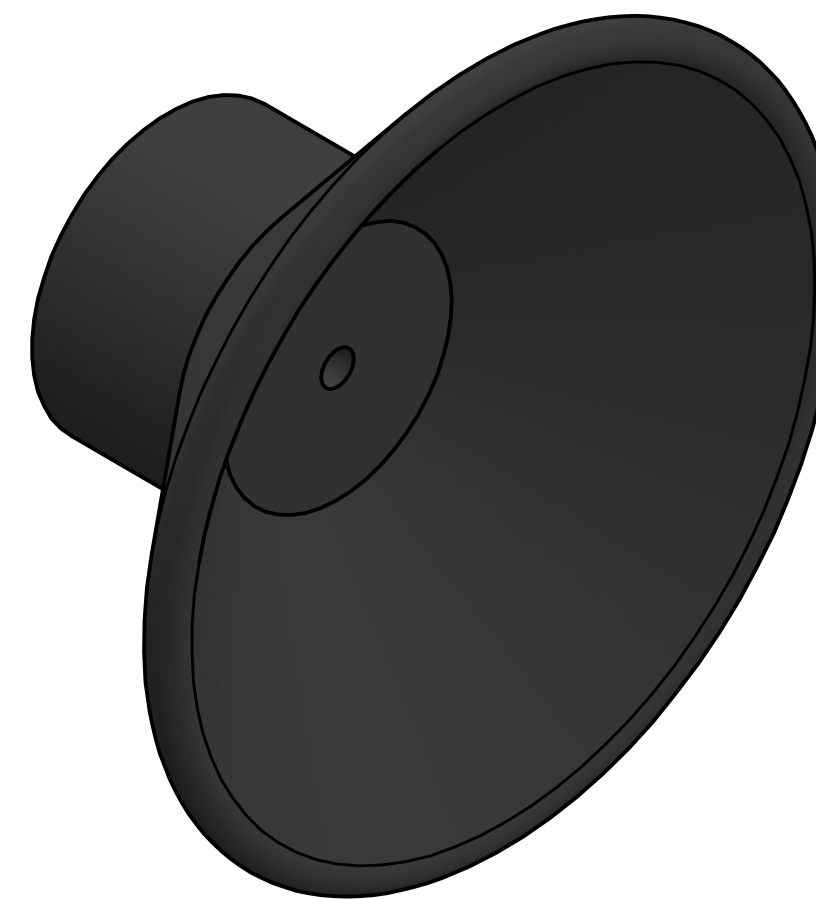
ALL FILLETS .06 UNLESS
OTHERWISE NOTED
ALL CHAMFERS .02 X 45°
UNLESS OTHERWISE
NOTED



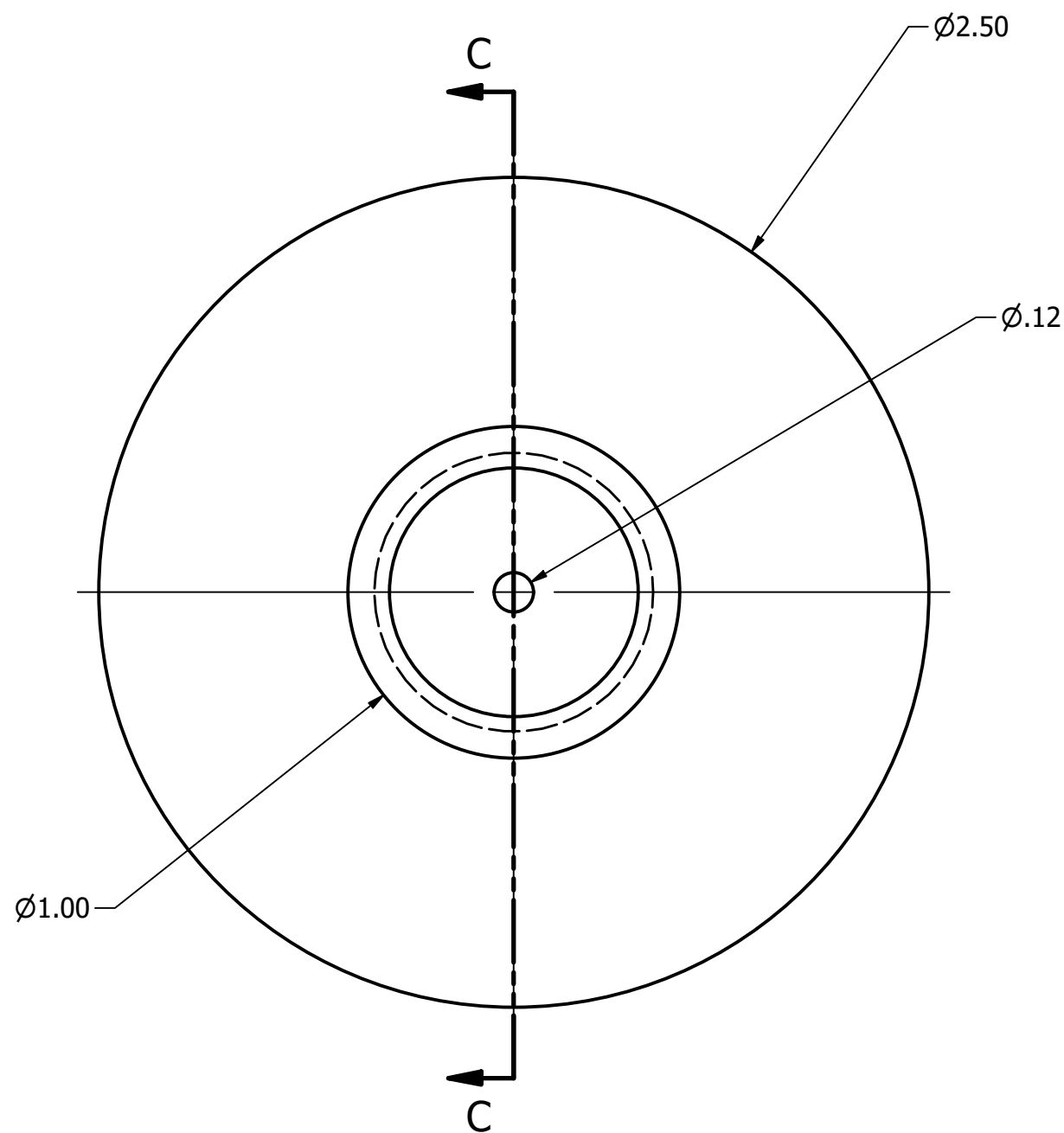
SECTION B-B
SCALE 2 : 1



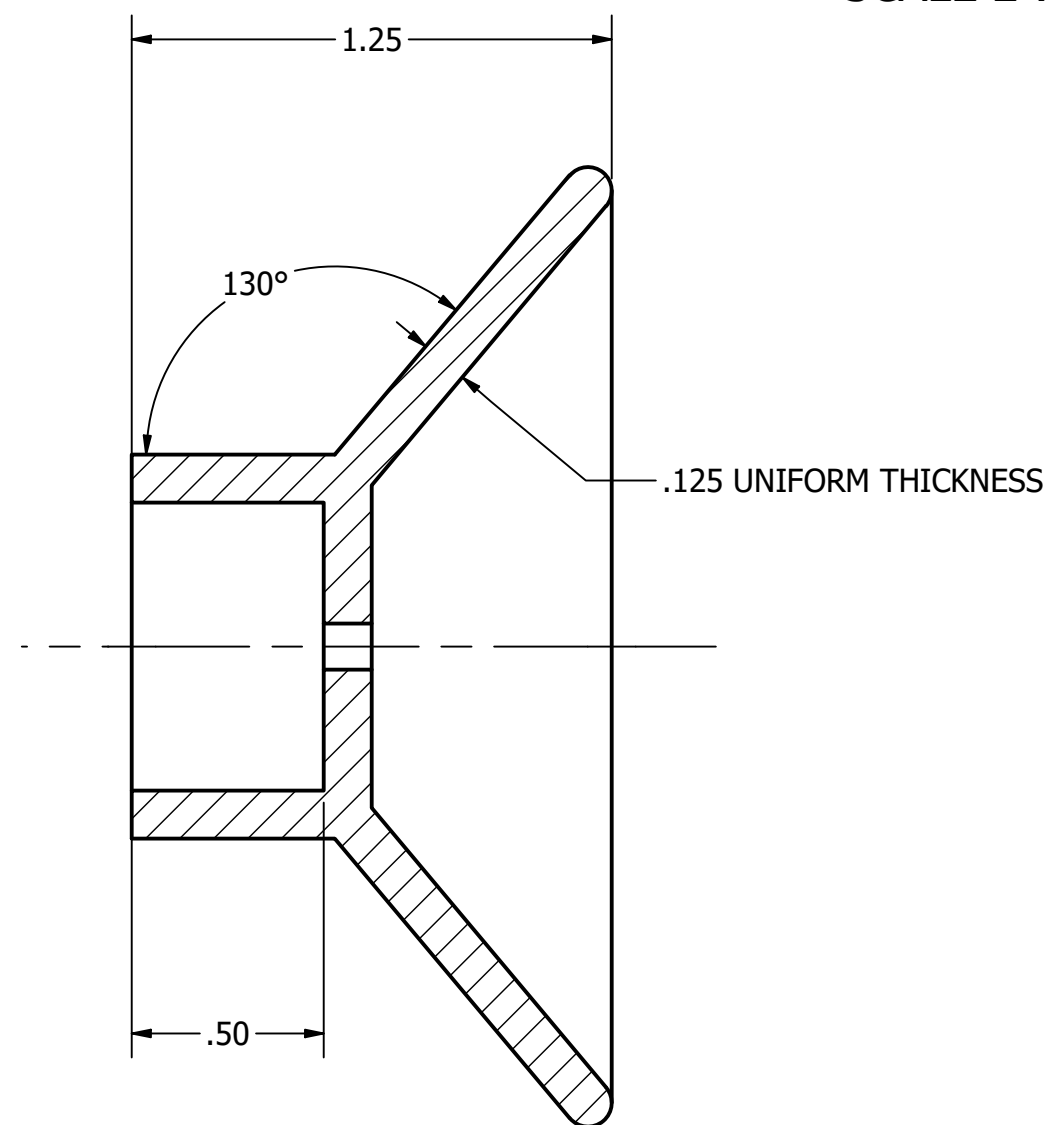
ELBOW CAP
SCALE 2 : 1



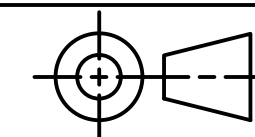
VACUUM CONNECTOR
SCALE 2 : 1



VACUUM CAP
SCALE 2 : 1



SECTION C-C
SCALE 2 : 1



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

CLASS: DDGT 241

ASSIGNMENT NUMBER: 11

INVENTOR DRAWING NAME:

ROBOT ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: G. RAMIREZ

DATE: 3/9/2025

SCALE: AS NOTED

PAGE #: 5 OF 6

LEGEND:

- Ø DIAMETER
R RADIUS
° DEGREES
└ COUNTER BORE/SPOTFACE
▽ DEPTH

PARTS LIST

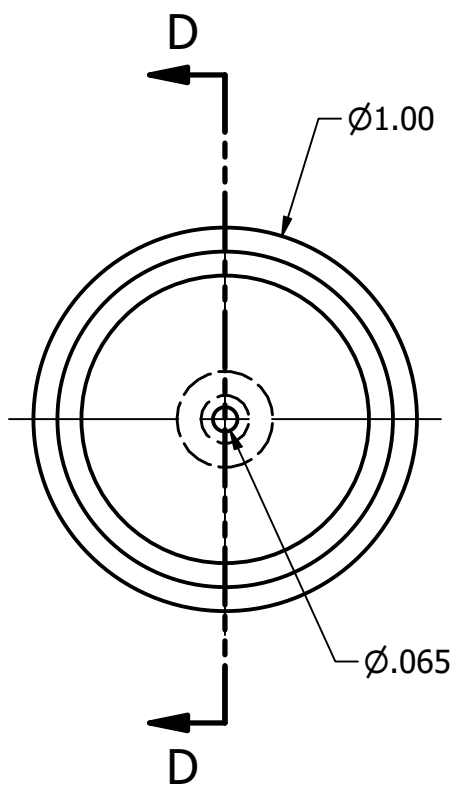
ITEM	QTY	PART NUMBER
7	1	BASE CAP
9	1	VACUUM CAP



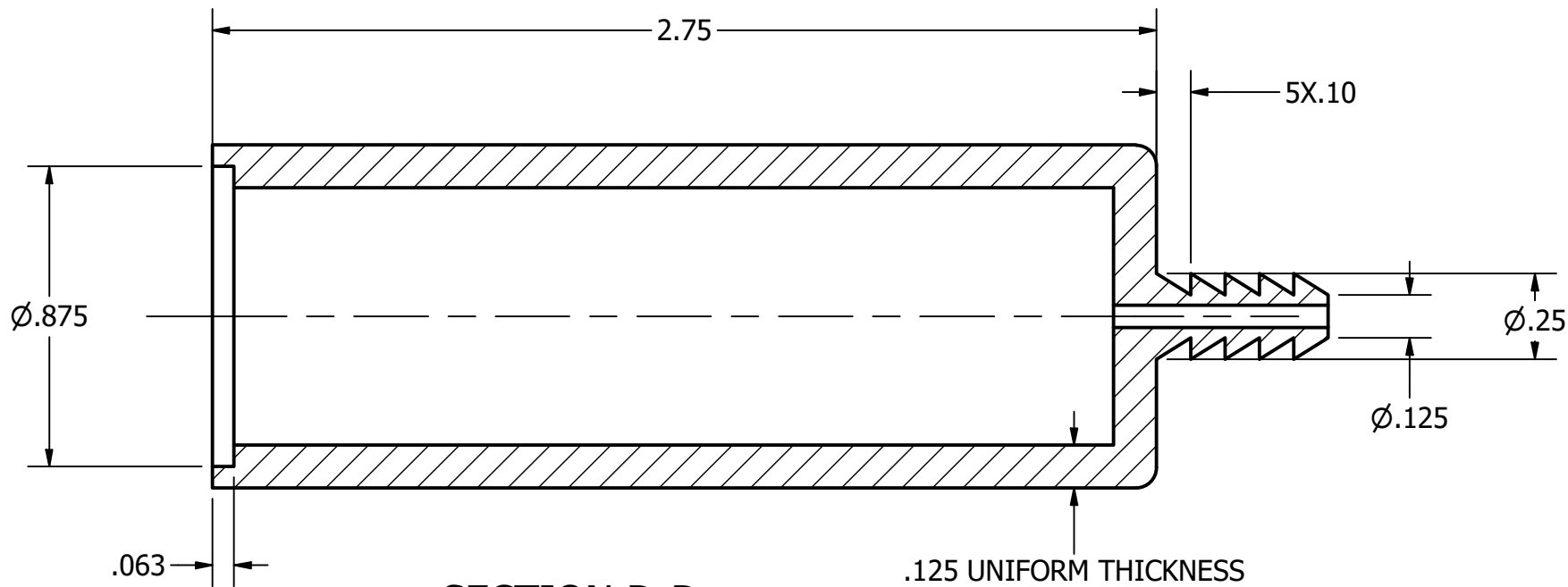
DIGITAL DESIGN
GRAPHIC
TECHNOLOGY

WWW.DDGT.NET

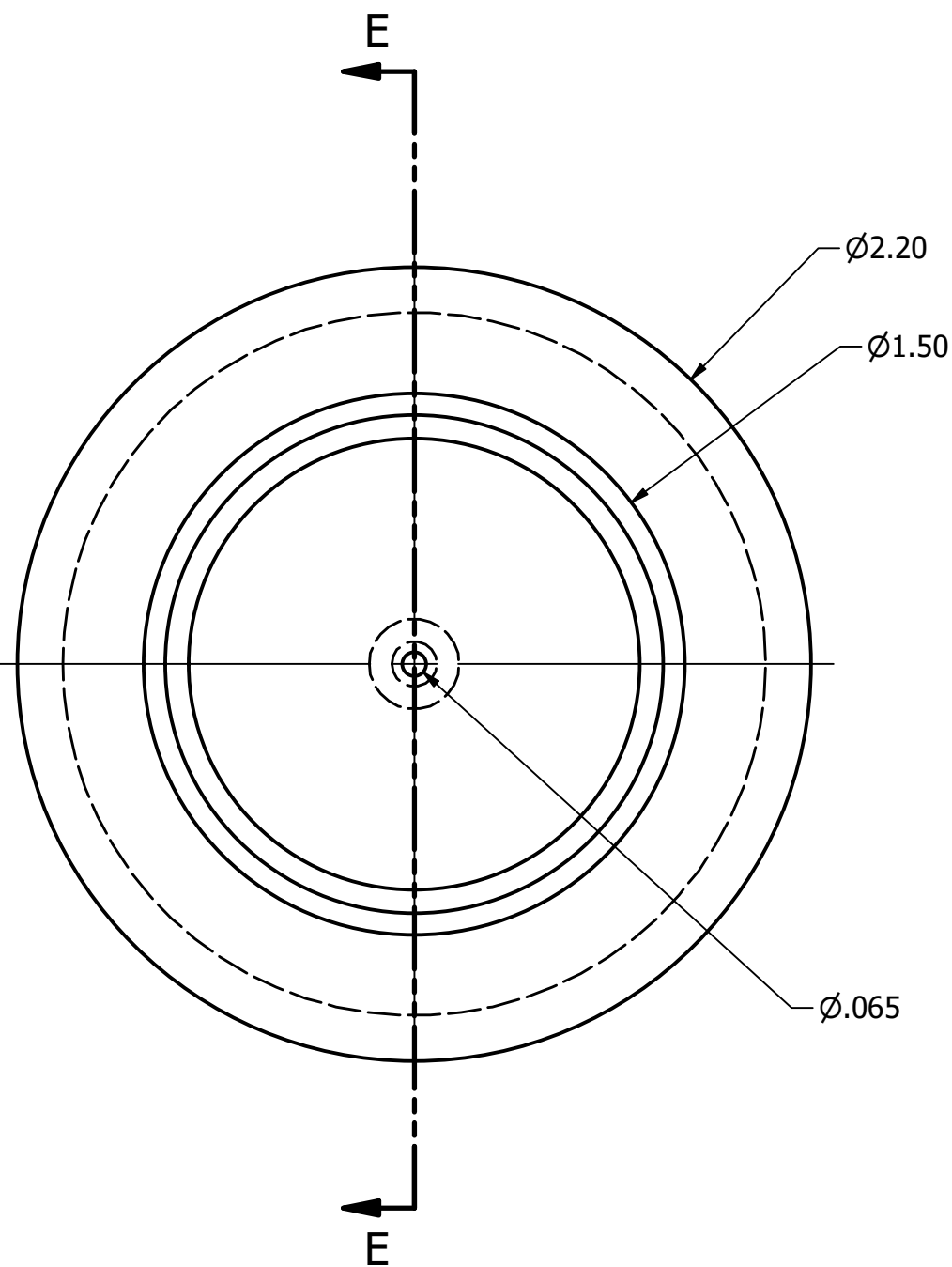
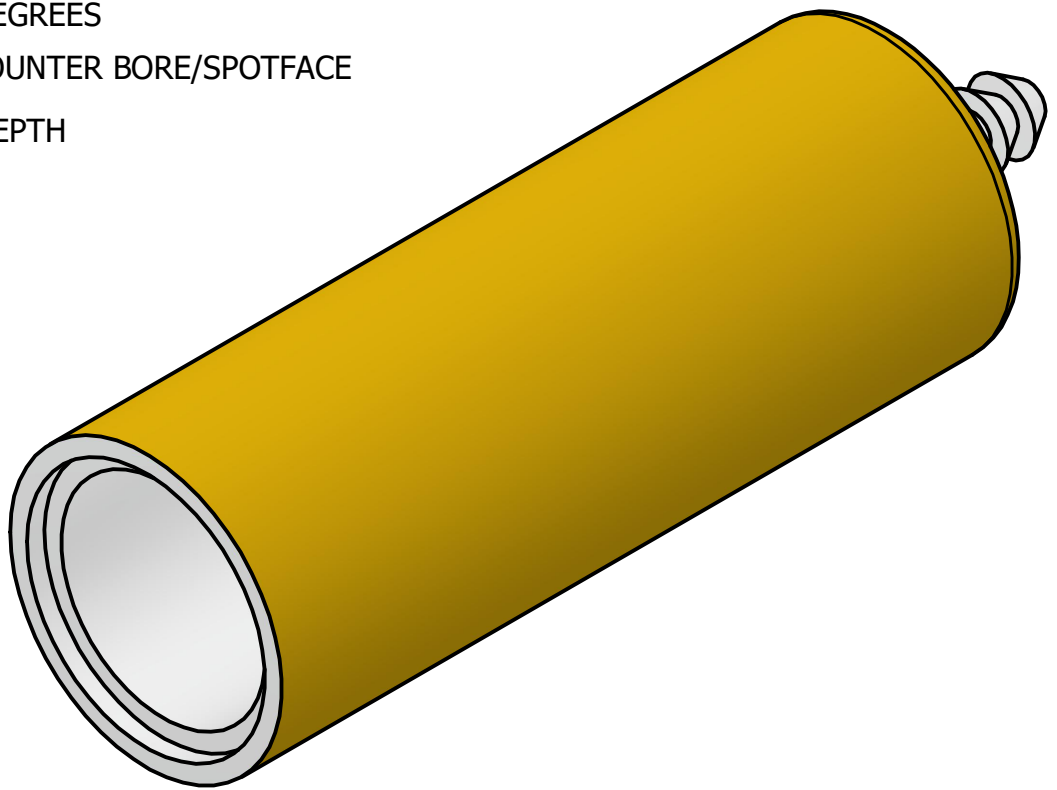
GENERAL NOTES:
ALL FILLETS .06 UNLESS
OTHERWISE NOTED
ALL CHAMFERS .02 X 45°
UNLESS OTHERWISE
NOTED



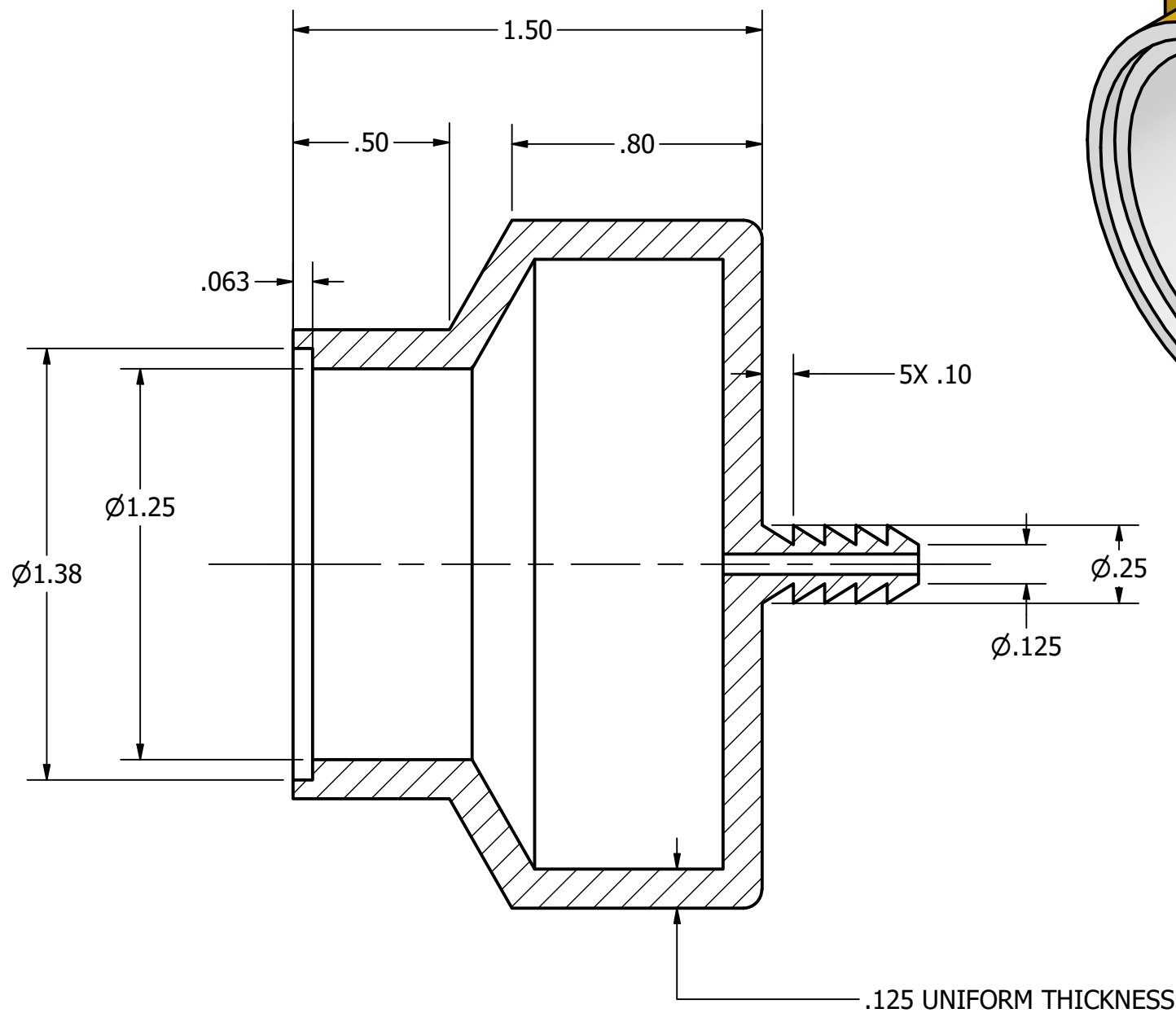
VACUUM CAP
SCALE 2 : 1



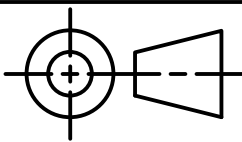
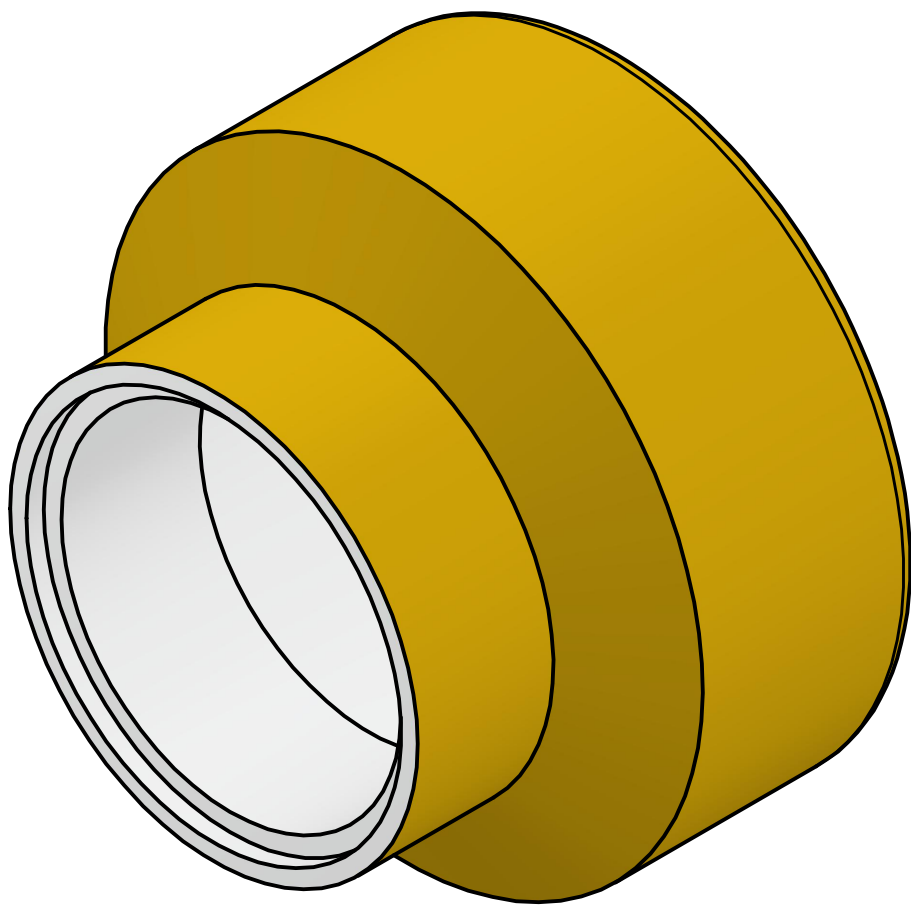
SECTION D-D
SCALE 2 : 1



BASE CAP
SCALE 2 : 1



SECTION E-E
SCALE 2 : 1



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

CLASS: DDGT 241

ASSIGNMENT NUMBER: 11

INVENTOR DRAWING NAME:

ROBOT ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: G. RAMIREZ

DATE: 3/9/2025

SCALE: AS NOTED

PAGE #: 6 OF 6