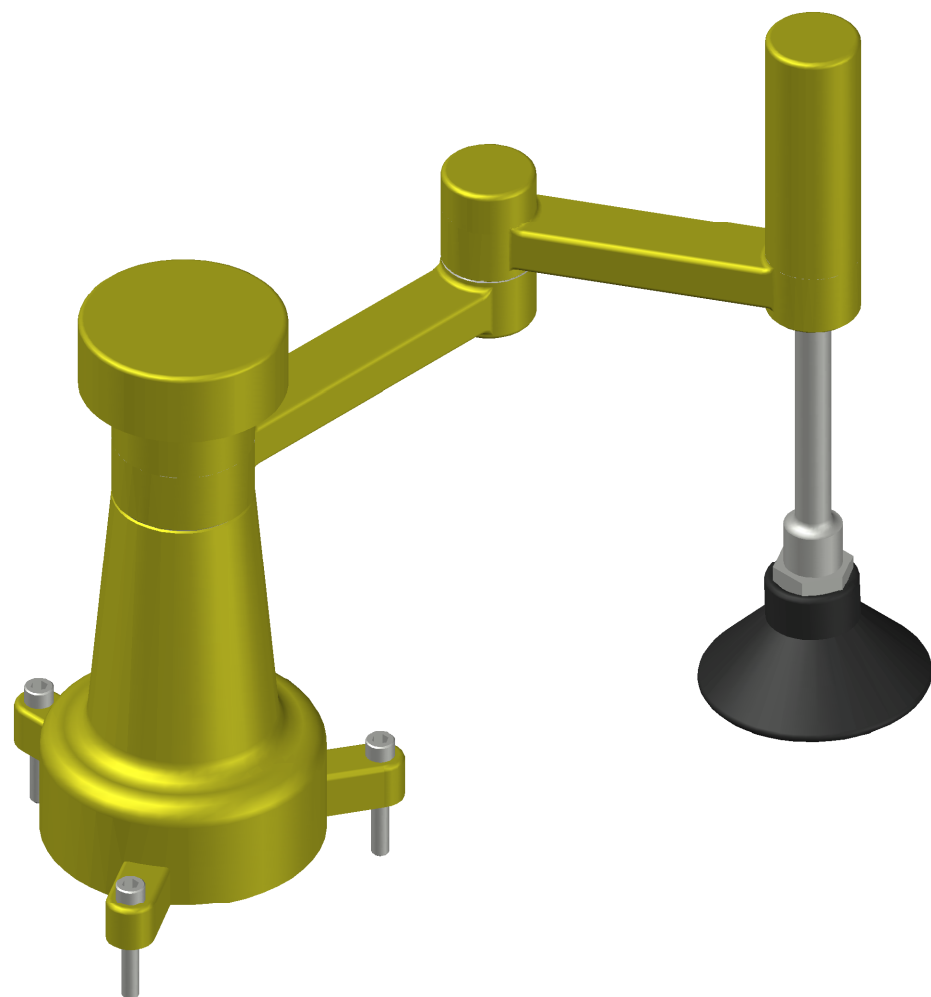




ROBOTIC ARM ASSEMBLY
1:2

PARTS LIST

ITEM	QTY.	PART NAME	MATERIAL
1	1	BASE EO1	ALUMINUM
2	1	ARM EO1	ALUMINUM
3	1	ARM EO2	ALUMINUM
4	1	SLIDING TUBE	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-1-1/4	STEEL

GENERAL NOTES

ALL FILLETS HAVE R.06" UNLESS
OTHERWISE NOTED.
ALL CHAMFERS ARE .02" X 45° UNLESS
OTHERWISE NOTED.

LEGEND

∅ DIAMETER
R RADIUS
° DEGREES
▽ DEPTH

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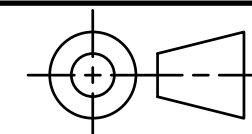
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TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32/

CLASS: DDGT241

ASSIGNMENT #: 08

AUTOCAD DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

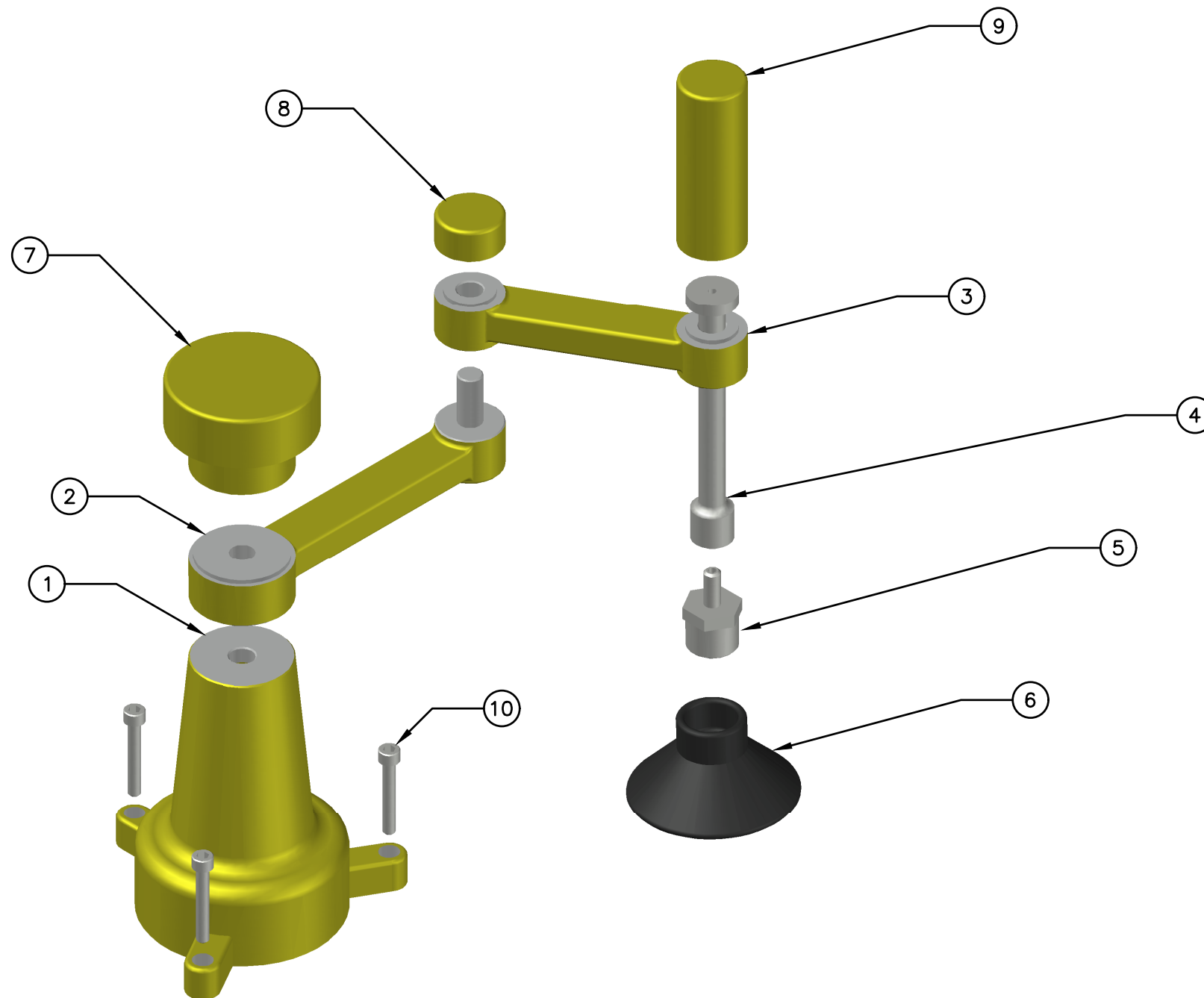
MANAGER: G. STROMMEN

DRAFTER: L. RAMIREZ

DATE: 2/23/2025

SCALE: AS NOTED

PAGE #: 1 OF 6



ROBOTIC ARM EXPLODED ASSEMBLY
1:2

PARTS LIST		
ITEM	QTY.	PART NAME
1	1	BASE EO1
2	1	ARM EO1
3	1	ARM EO2
4	1	SLIDING TUBE
5	1	VACUUM CONNECTOR
6	1	VACUUM CUP
7	1	BASE CAP
8	1	ELBOW CAP
9	1	VACUUM CAP
10	3	CAP SCREW-1-1/4

GENERAL NOTES

ALL FILLETS HAVE R.06" UNLESS OTHERWISE NOTED.
ALL CHAMFERS ARE .02" X 45° UNLESS OTHERWISE NOTED.

LEGEND

Ø DIAMETER
R RADIUS
° DEGREES
▽ DEPTH

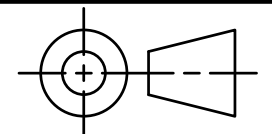
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ANGLES ±1 DEGREE
SURFACES 32/

CLASS: DDGT241

ASSIGNMENT #: 08

AUTOCAD DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

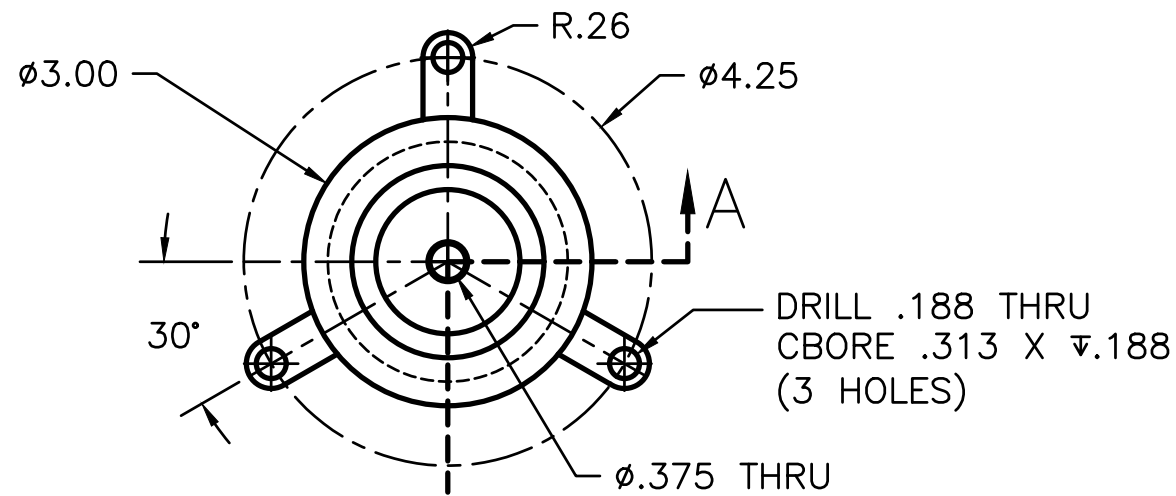
MANAGER: G. STROMMEN

DRAFTER: L. RAMIREZ

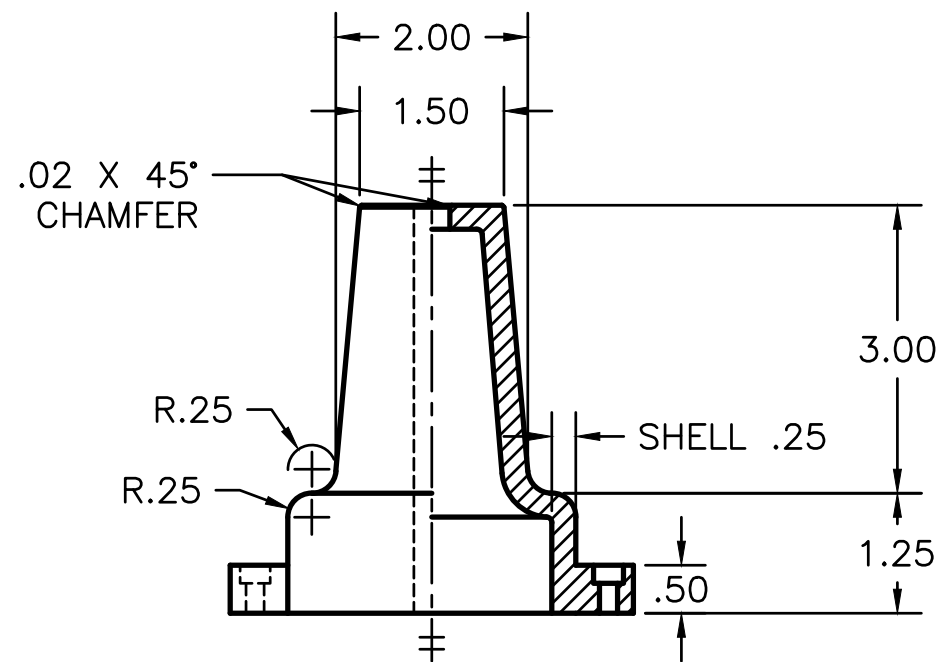
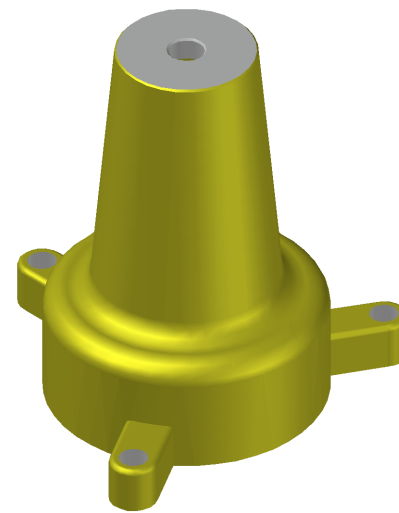
DATE: 2/23/2025

SCALE: AS NOTED

PAGE #: 2 OF 6



BASE EO1
1:2



SECTION A-A
1:2

ROBOTIC ARM EXPLODED ASSEMBLY
1:2

LEGEND

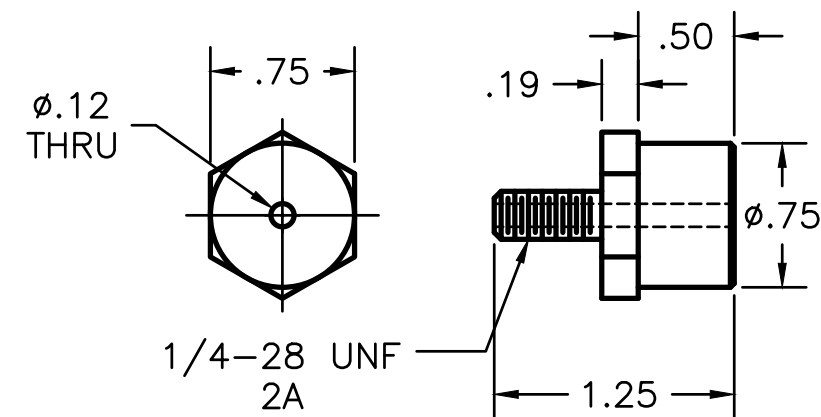
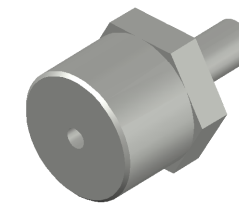
Ø DIAMETER
R RADIUS
° DEGREES
▽ DEPTH

GENERAL NOTES

ALL FILLETS HAVE R.06" UNLESS OTHERWISE NOTED.
ALL CHAMFERS ARE .02" X 45° UNLESS OTHERWISE NOTED.

PARTS LIST

ITEM	QTY.	PART NAME
1	1	BASE EO1
5	1	VACUUM CONNECTOR



VACUUM CONNECTOR
SCALE 1:1

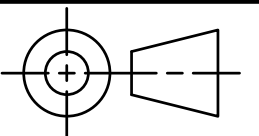
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ANGLES ±1 DEGREE
SURFACES 32/

CLASS: DDGT241

ASSIGNMENT #: 08

AUTOCAD DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

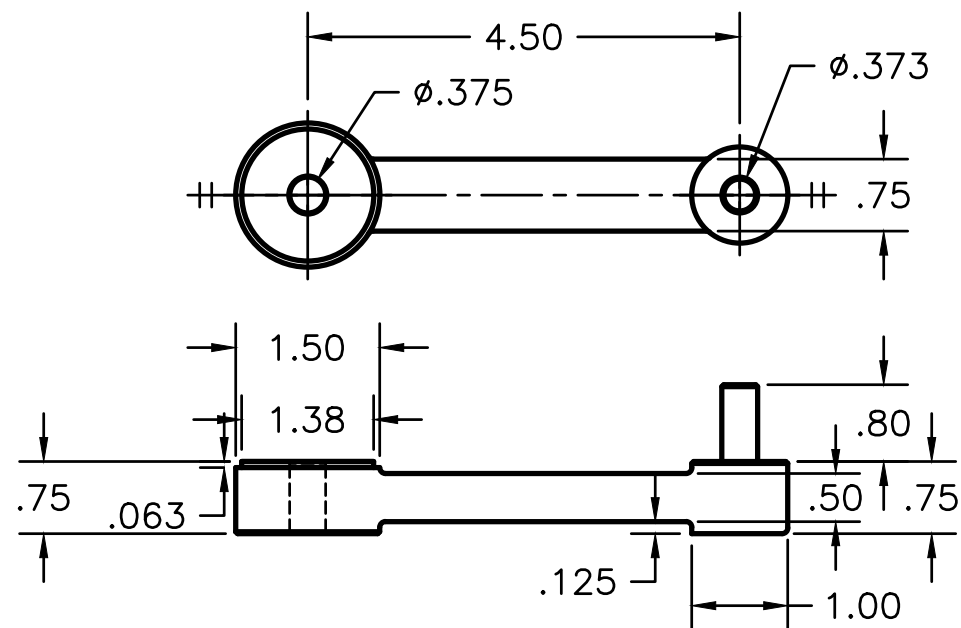
MANAGER: G. STROMMEN

DRAFTER: L. RAMIREZ

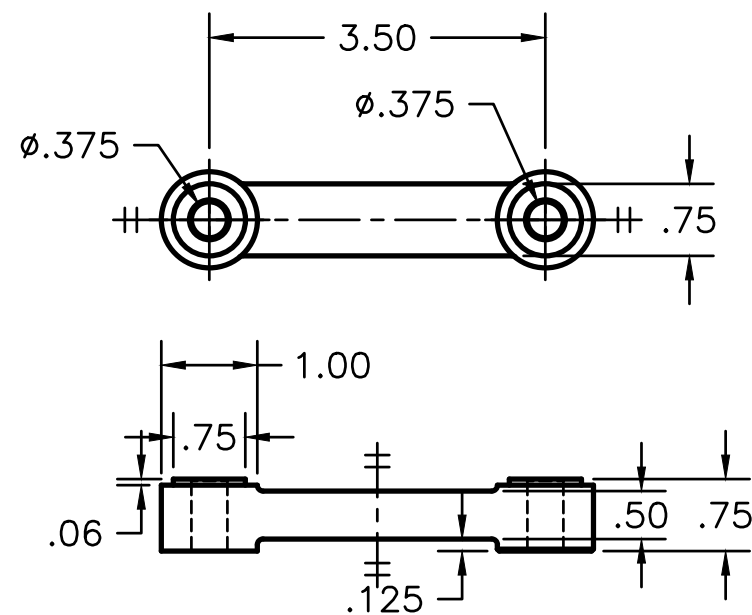
DATE: 2/23/2025

SCALE: AS NOTED

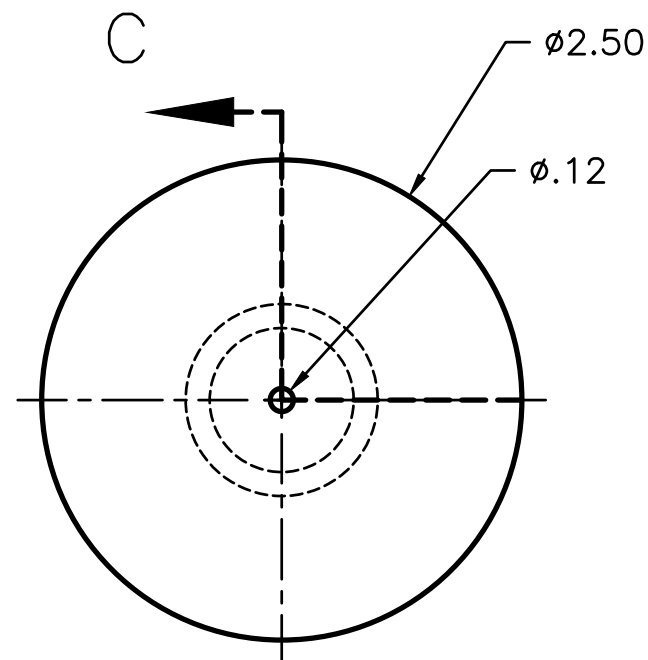
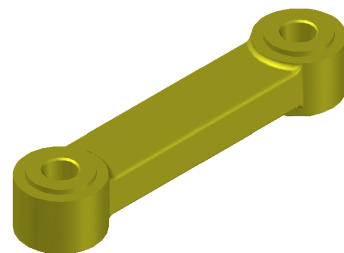
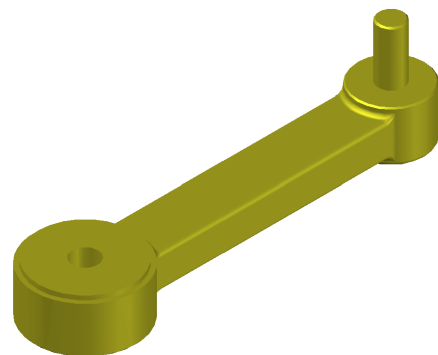
PAGE #: 3 OF 6



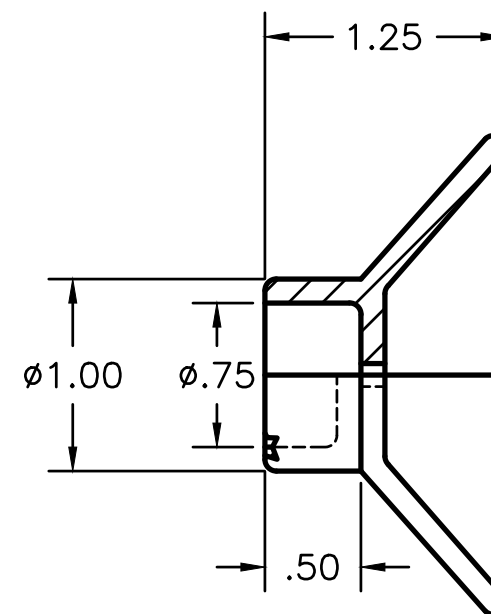
ARM EO1
1:2



ARM EO2
1:2



VACUUM CUP
SCALE 1:1



SECTION C-C
SCALE 1:1

LEGEND

ϕ DIAMETER
R RADIUS
° DEGREES
 ∇ DEPTH

PARTS LIST

ITEM	QTY.	PART NAME
2	1	ARM EO1
3	1	ARM EO2
6	1	VACUUM CUP

GENERAL NOTES

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ALL CHAMFERS ARE .02" X 45° UNLESS OTHERWISE NOTED.

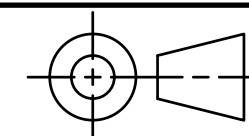
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XX = $\pm.010$
XXX = $\pm.005$
FRACTIONAL $\pm 1/64$ "
ANGLES ± 1 DEGREE
SURFACES 32/

CLASS: DDGT241

ASSIGNMENT #: 08

AUTOCAD DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

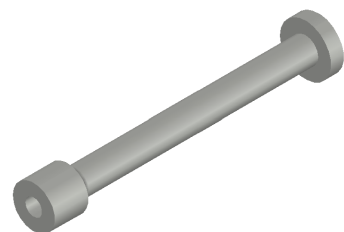
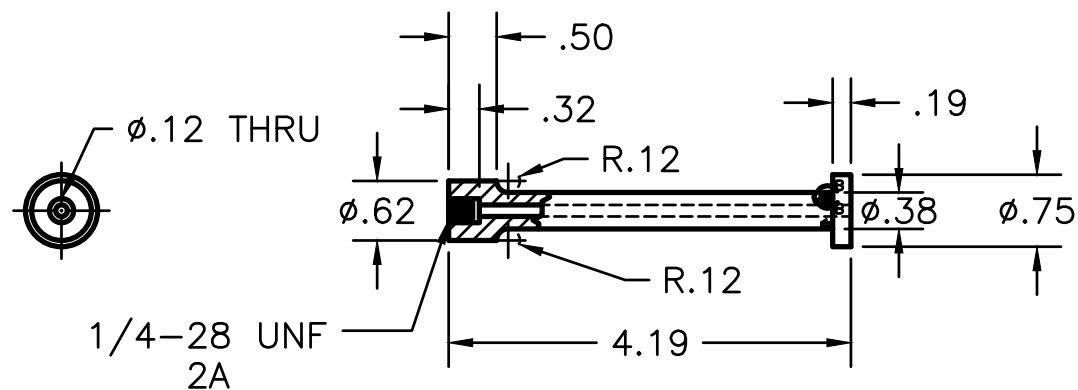
MANAGER: G. STROMMEN

DRAFTER: L. RAMIREZ

DATE: 2/23/2025

SCALE: AS NOTED

PAGE #: 4 OF 6



LEGEND

∅ DIAMETER
 R RADIUS
 ° DEGREES
 ▽ DEPTH

GENERAL NOTES

ALL FILLETS HAVE R.06" UNLESS OTHERWISE NOTED.
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PARTS LIST

ITEM	QTY.	PART NAME
4	1	SLIDING TUBE
7	1	BASE CAP

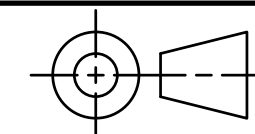
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 ANGLES ±1 DEGREE
 SURFACES 32/

CLASS: DDGT241

ASSIGNMENT #: 08

AUTOCAD DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

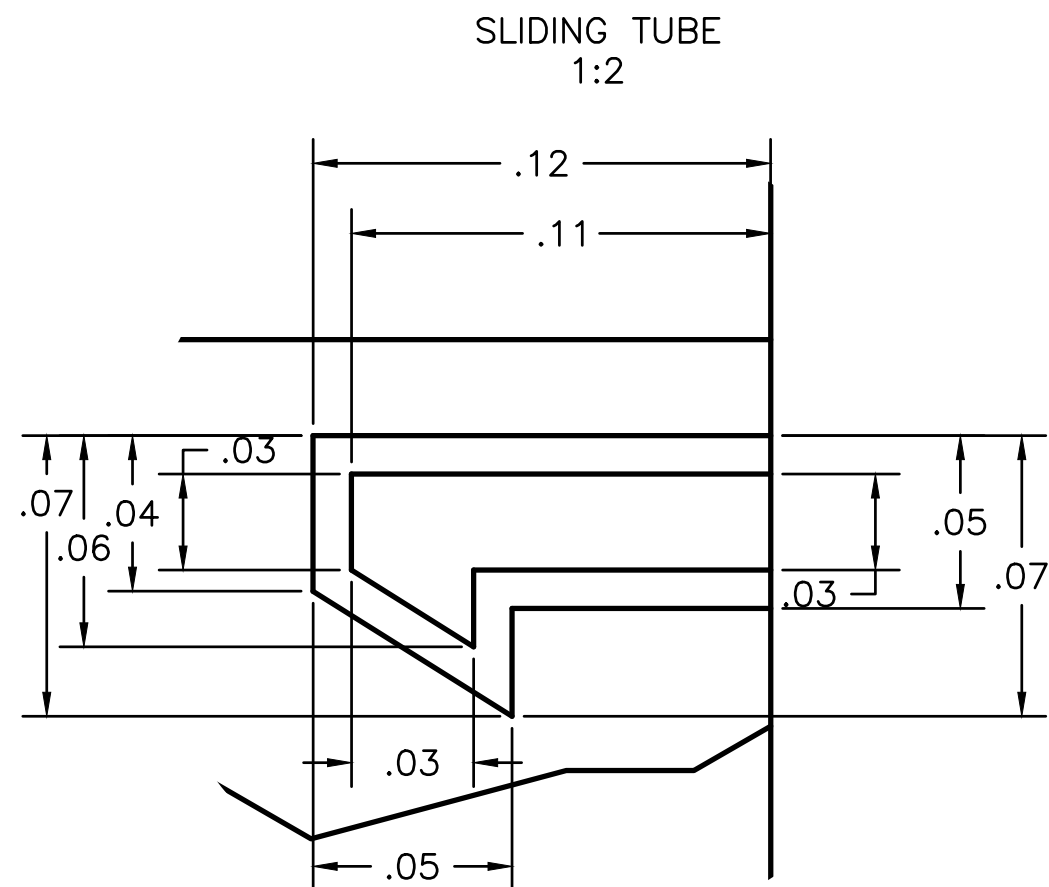
MANAGER: G. STROMMEN

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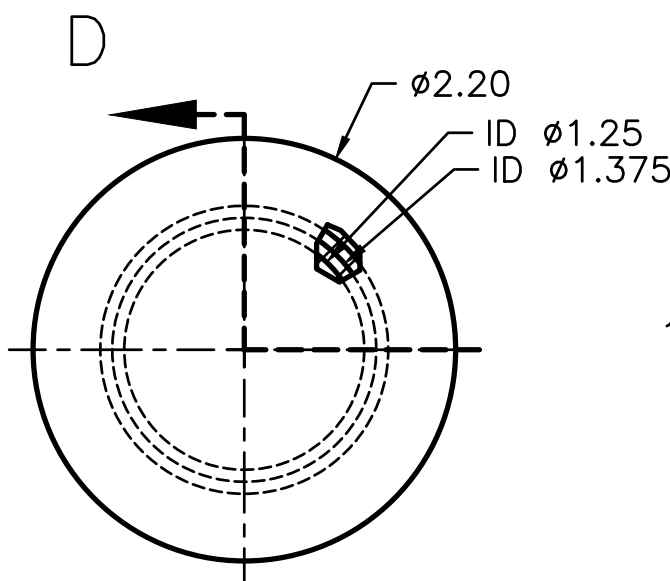
DATE: 2/23/2025

SCALE: AS NOTED

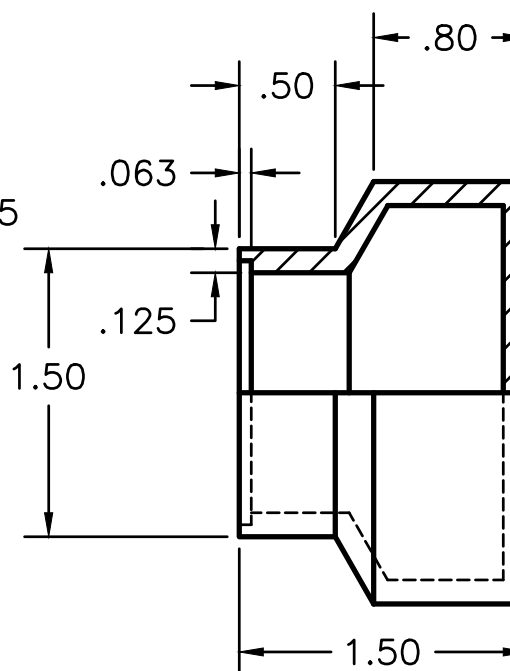
PAGE #: 5 OF 6



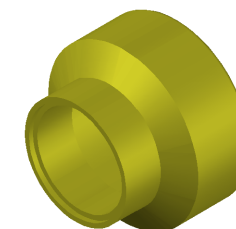
SECTION B-B
20:1

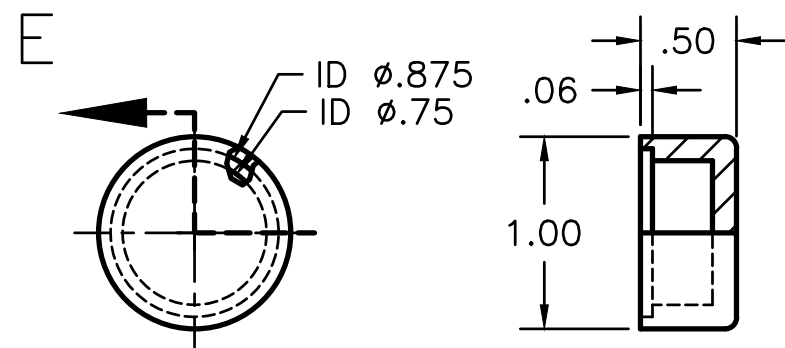


BASE CAP
SCALE 1:1

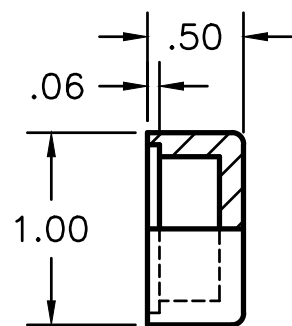


SECTION D-D
SCALE 1:1

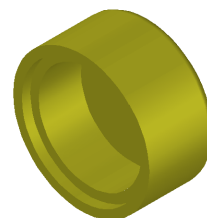




ELBOW CAP
SCALE 1:1



SECTION E-E
SCALE 1:1



LEGEND

Ø DIAMETER
R RADIUS
° DEGREES
▽ DEPTH

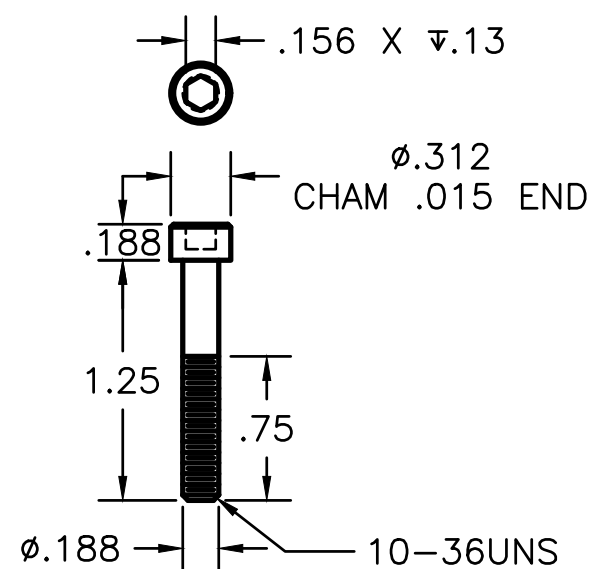
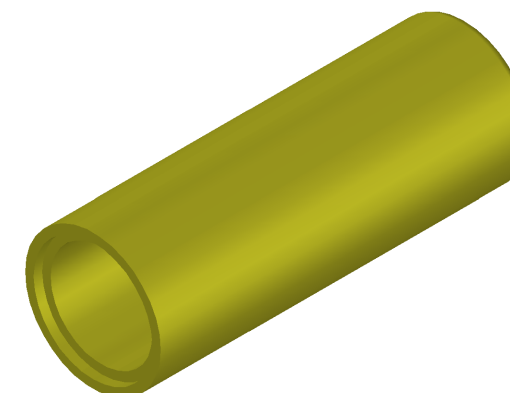
PARTS LIST

ITEM	QTY.	PART NAME
8	1	ELBOW CAP
9	1	VACUUM CAP
10	3	CAP SCREW-1-1/4

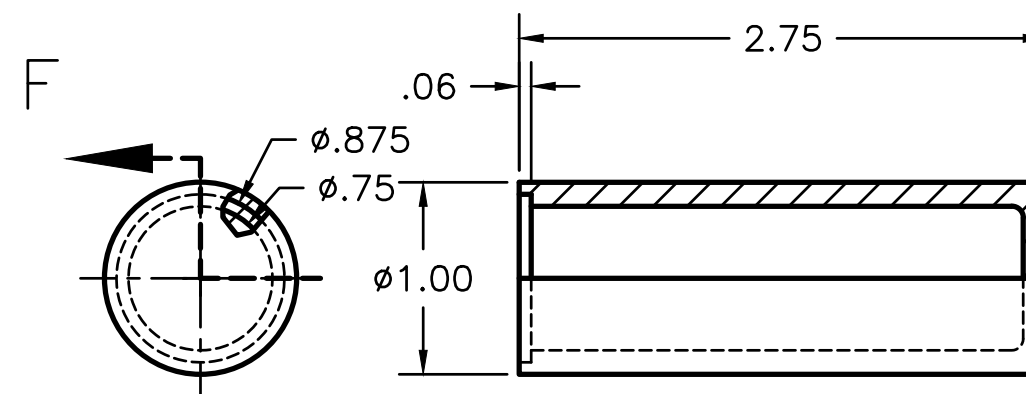
GENERAL NOTES

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CAP SCREW
1:1



VACUUM CAP
SCALE 1:1

SECTION F-F
SCALE 1:1

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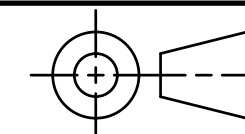
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SURFACES 32/

CLASS: DDGT241

ASSIGNMENT #: 08

AUTOCAD DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

MANAGER: G. STROMMEN

DRAFTER: L. RAMIREZ

DATE: 2/23/2025

SCALE: AS NOTED

PAGE #: 6 OF 6