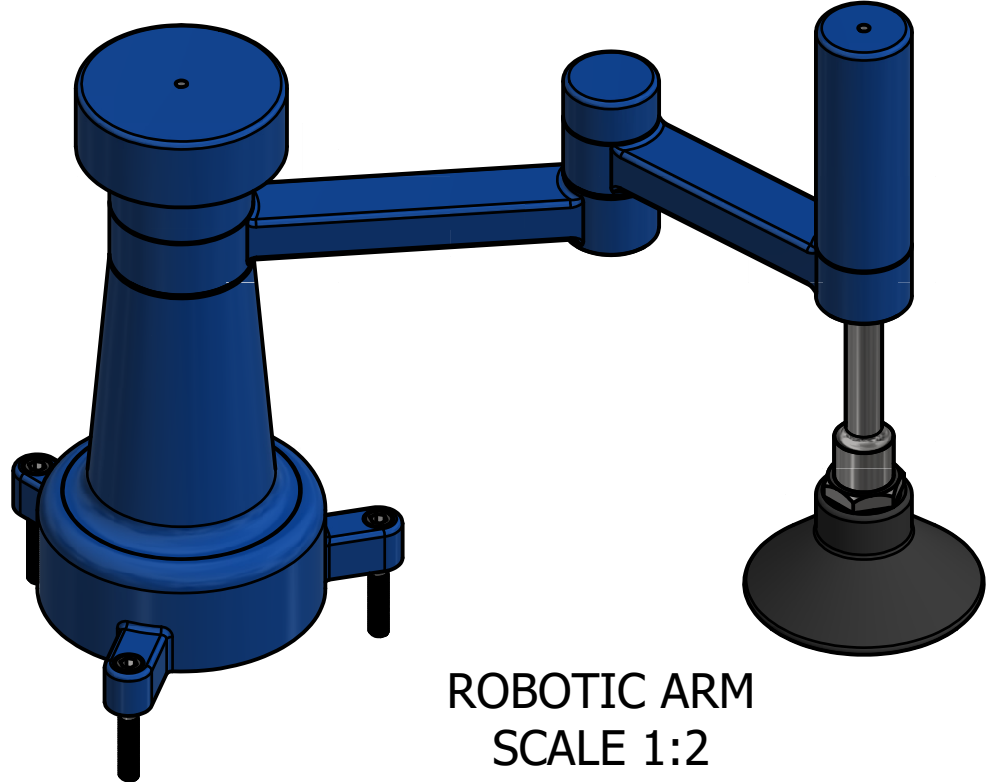


ROBOTIC ARM ASSEMBLY
SCALE 1:2

GENERAL NOTES:

ALL FILLETS R.06 UNLESS OTHERWISE SPECIFIED

PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE	ALUMINUM	PAINT FINISH
2	1	ARM 1	ALUMINUM	PAINT FINISH
3	1	ARM 2	ALUMINUM	PAINT FINISH
4	1	SLIDING TUBE SHAFT	STAINLESS STEEL	
5	1	SLIDING TUBE PISTON	STAINLESS STEEL	
6	1	VACUUM CONNECTOR	STAINLESS STEEL	
7	1	VACUUM CUP	RUBBER	
8	1	BASE CAP	ALUMINUM	PAINT FINISH
9	1	ELBOW CAP	ALUMINUM	PAINT FINISH
10	1	VACUUM CAP	ALUMINUM	PAINT FINISH
11	3	CAP SCREW	STAINLESS STEEL	10-36UNS,1.25 LONG
12	1	VACUUM TUBE	RUBBER	ID. 1/16 OD. 1/8, 8in LONG



ROBOTIC ARM
SCALE 1:2

LEGEND:

- ∅ DIAMETER
- R RADIUS
- ° DEGREES
- ▽ DEPTH
- COUNTERBORE

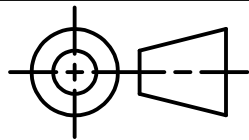


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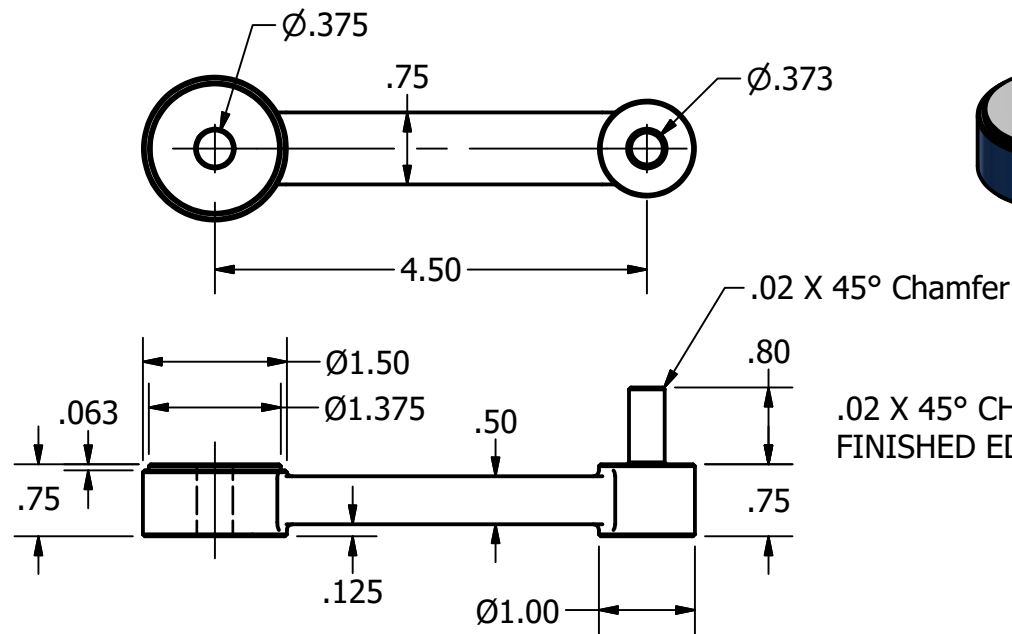
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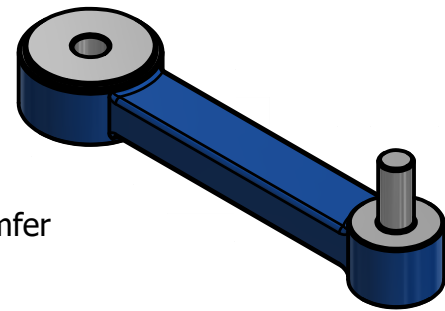
TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32 ✓

COURSE:	DDGT 241
INVENTOR DRAWING NAME:	ROBOTIC ARM
FIG #:	1058
DRAFTER:	P. LAKE
DATE:	10/18/2018
SCALE:	AS NOTED
PAGE #:	1 OF 4

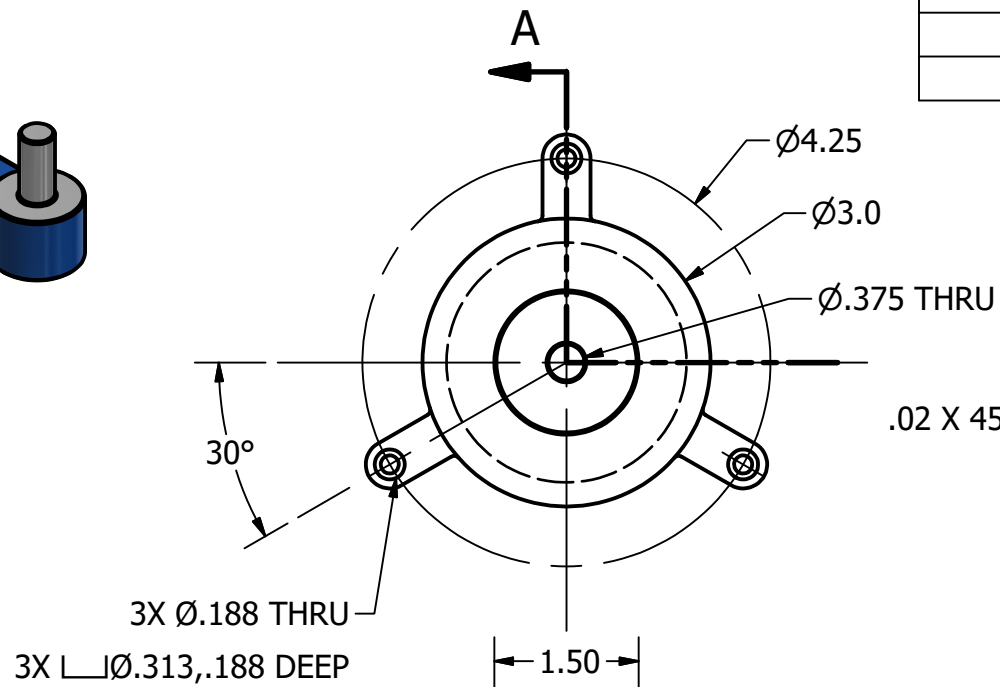
PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	1	ARM 1
3	1	ARM 2



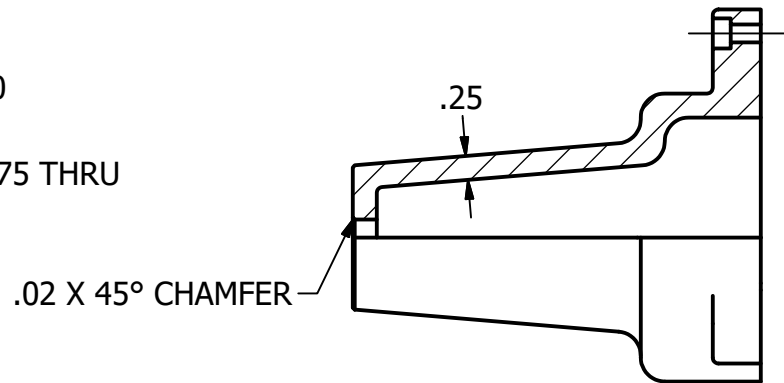
ARM 1
SCALE 1:2



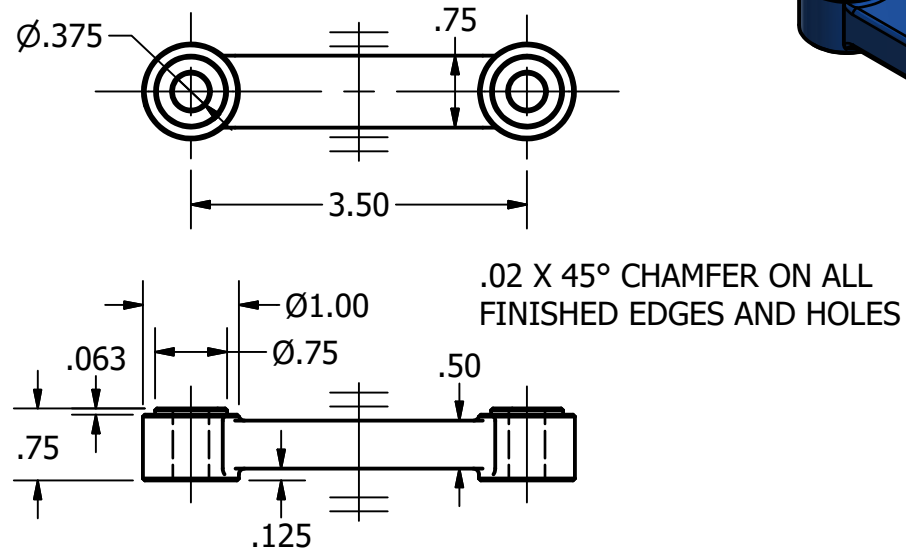
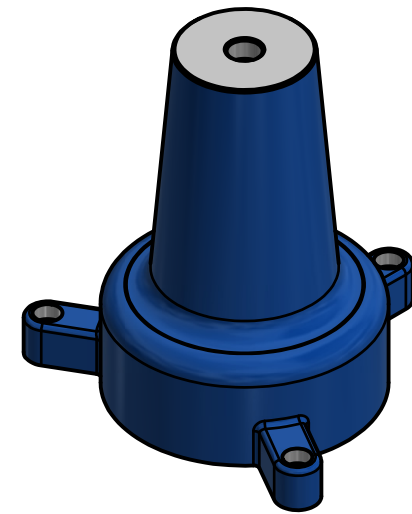
.02 X 45° CHAMFER ON ALL FINISHED EDGES AND HOLES



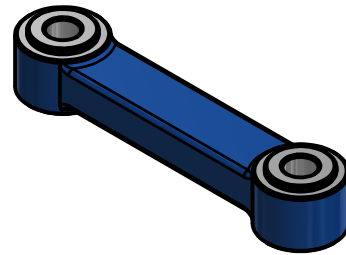
BASE
SCALE 1:2



SECTION A-A
SCALE 1:2



ARM 2
SCALE 1:2



.02 X 45° CHAMFER ON ALL FINISHED EDGES AND HOLES

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- ∇ DEPTH
- └ COUNTERBORE

GENERAL NOTES:

ALL FILLETS R.06 UNLESS OTHERWISE SPECIFIED

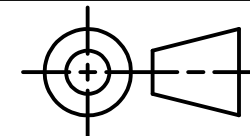


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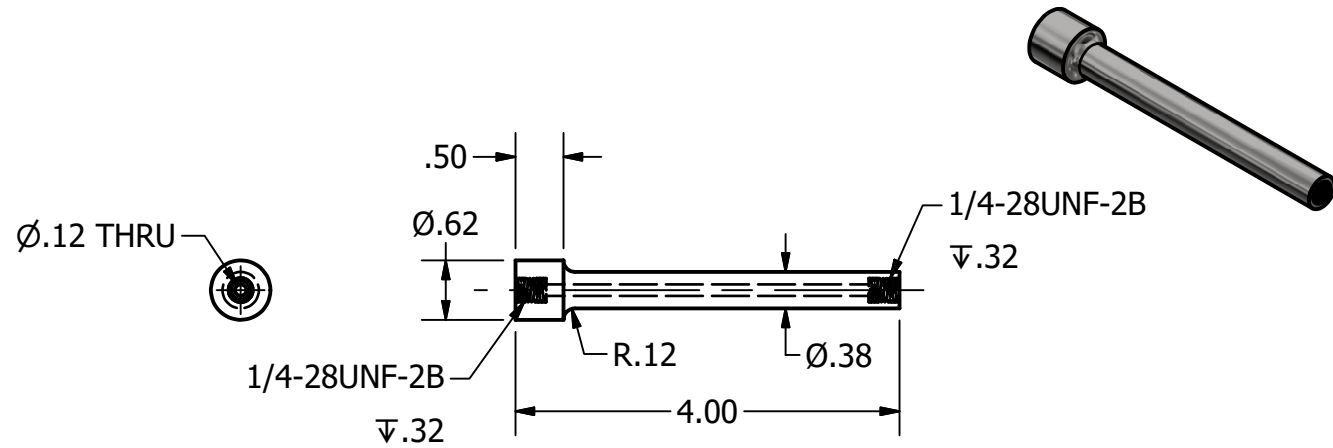
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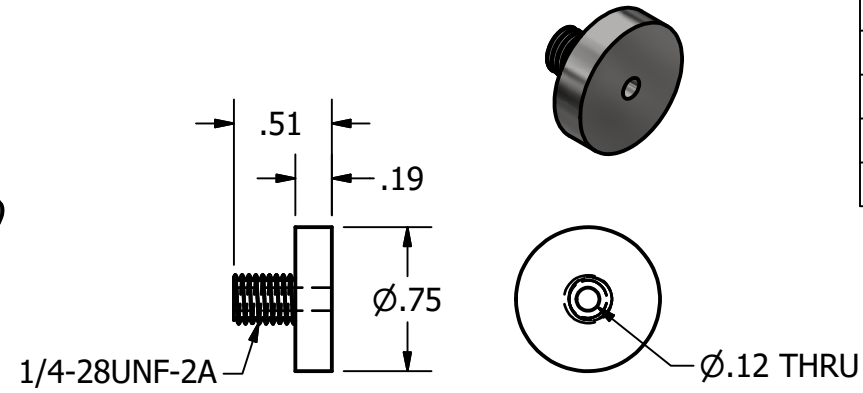
TOLERANCES UNLESS SPECIFIED:
DECIMAL INCHES:
X = ±.020
XX = ±.010
XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32 ✓

COURSE:	DDGT 241
INVENTOR DRAWING NAME:	ROBOTIC ARM
FIG #:	1058
DRAFTER:	P. LAKE
DATE:	10/18/2018
SCALE:	AS NOTED
PAGE #:	2 OF 4

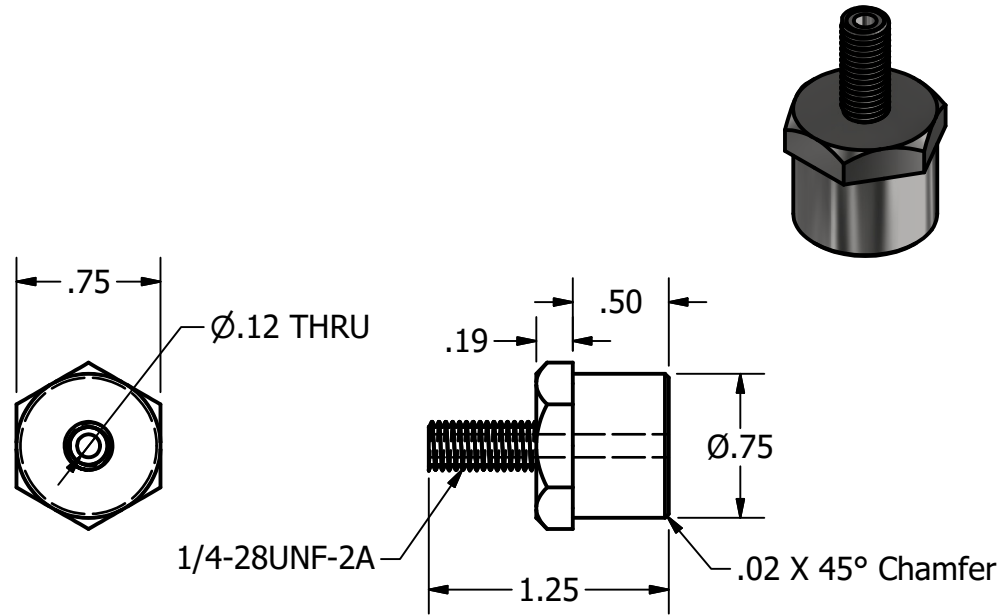
PARTS LIST		
ITEM	QTY	PART NUMBER
4	1	SLIDING TUBE SHAFT
5	1	SLIDING TUBE PISTON
6	1	VACUUM CONNECTOR
7	1	VACUUM CUP



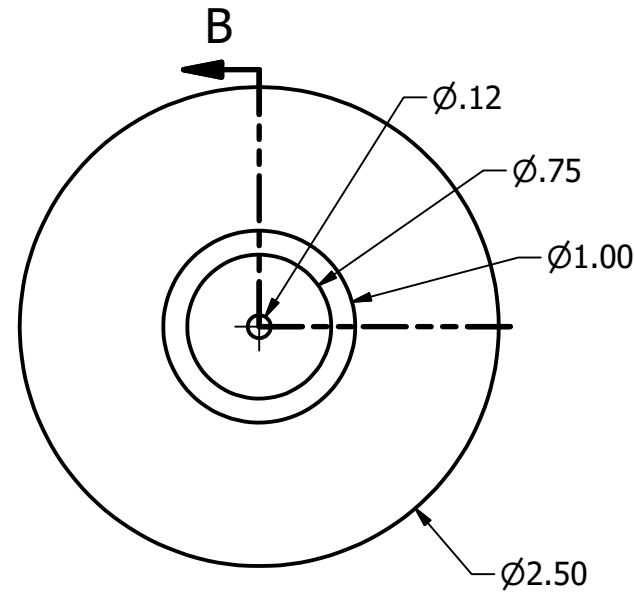
SLIDING TUBE SHAFT
SCALE 1:2



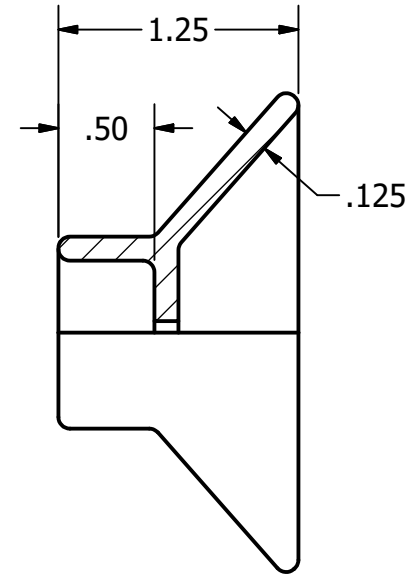
SLIDING TUBE PISTON
SCALE 1 : 1



VACUUM CONNECTOR
SCALE 1 : 1



VACUUM CUP
SCALE 1 : 1



SECTION B-B
SCALE 1 : 1

LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- ∇ DEPTH
- COUNTERBORE

GENERAL NOTES:

ALL FILLETS R.06 UNLESS OTHERWISE SPECIFIED

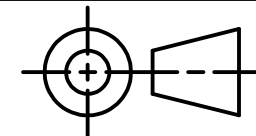


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XXX = ±.005
FRACTIONAL ±1/64"
ANGLES ±1 DEGREE
SURFACES 32 ✓

COURSE: DDGT 241

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

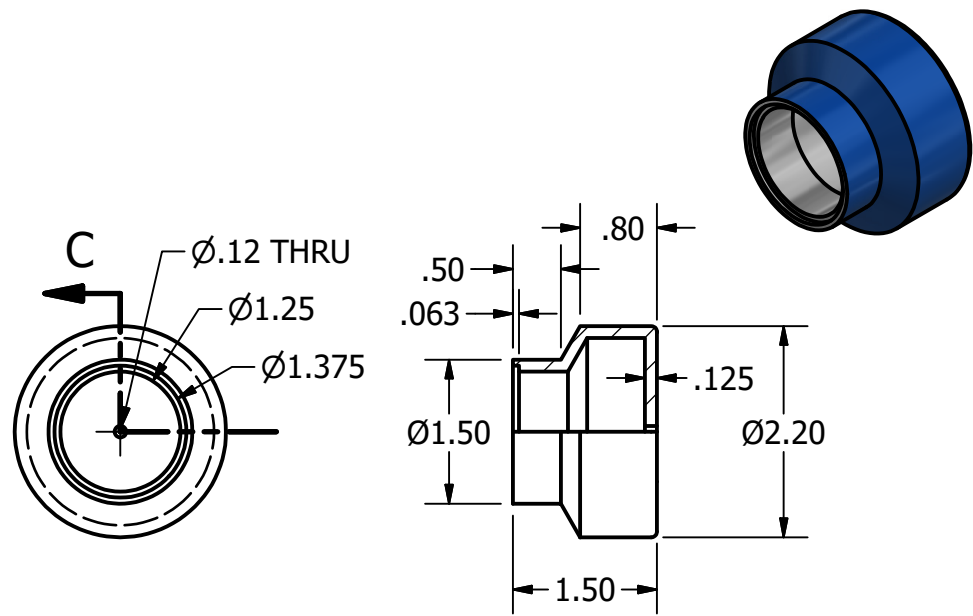
DRAFTER: P. LAKE

DATE: 10/18/2018

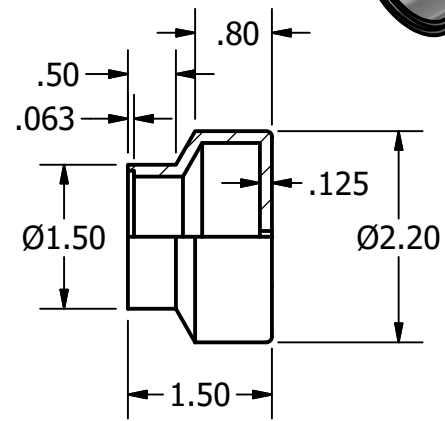
SCALE: AS NOTED

PAGE #: 3 OF 4

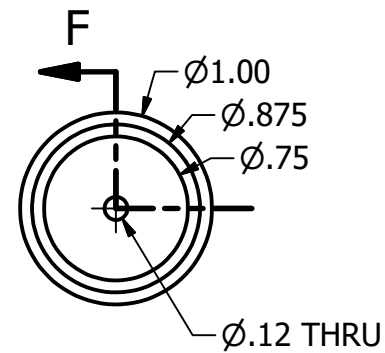
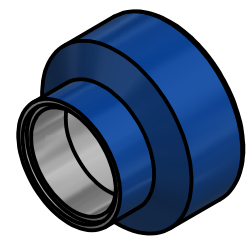
PARTS LIST		
ITEM	QTY	PART NUMBER
8	1	BASE CAP
9	1	ELBOW CAP
10	1	VACUUM CAP



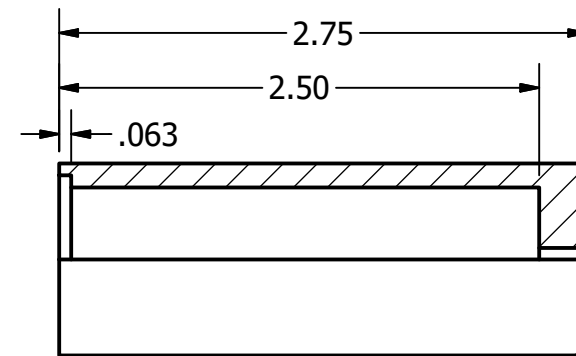
BASE CAP
SCALE 1:2



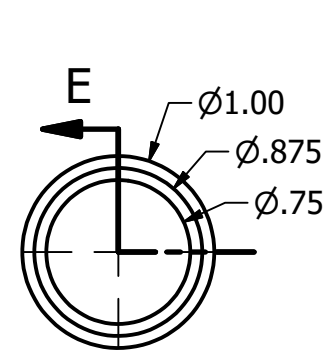
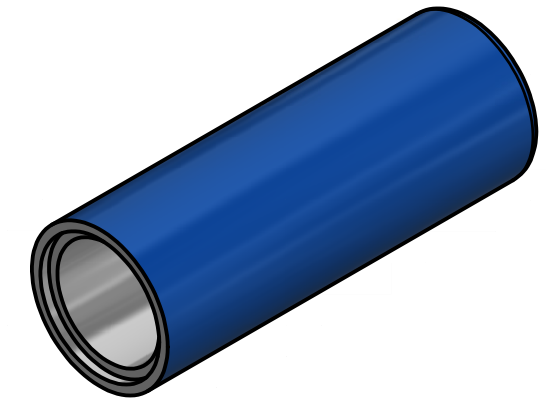
SECTION C-C
SCALE 1:2



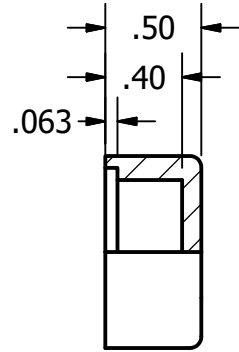
VACUUM CAP
SCALE 1 : 1



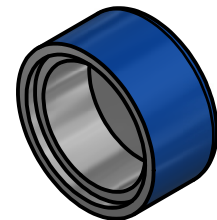
SECTION F-F
SCALE 1 : 1



ELBOW CAP
SCALE 1 : 1



SECTION E-E
SCALE 1 : 1



LEGEND:

- Ø DIAMETER
- R RADIUS
- ° DEGREES
- ∇ DEPTH
- COUNTERBORE

GENERAL NOTES:

ALL FILLETS R.06 UNLESS OTHERWISE SPECIFIED

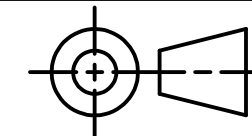


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SURFACES 32 ✓

COURSE: DDGT 241

INVENTOR DRAWING NAME:
ROBOTIC ARM

FIG #: 1058

DRAFTER: P. LAKE

DATE: 10/18/2018

SCALE: AS NOTED

PAGE #: 4 OF 4