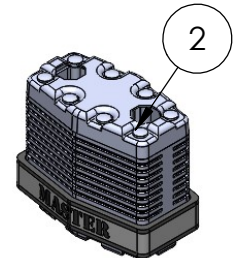
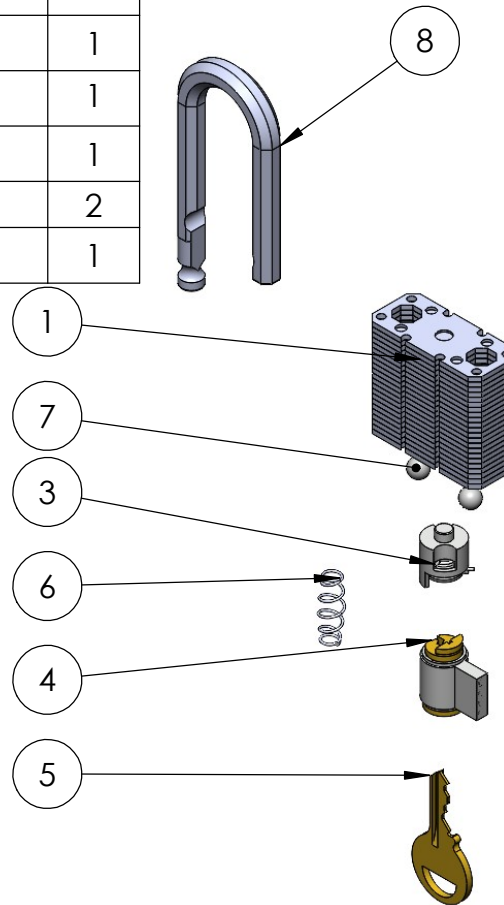
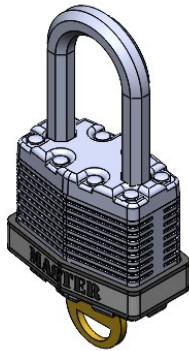


ITEM NO.	PART NUMBER	Volume	QTY.
1	Plate Stack Subassembly	0.965	1
2	Lock Body Assembly	0.636	1
3	Actuator Subassembly	0.072	1
4	LOCK MECHANISM	0.136	1
5	Key	0.042	1
6	1692K13	0.002	1
7	9529K15		2
8	Shackle	0.373	1

Group 8
Edward Olson and
Logan Hartman



ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 1994 APPLIES

TERM:
FA21

COURSE:
ETECH 210-001

INSTRUCTOR:
PUCK, BRENDA

DRAWN BY:
NAME: OLSON, EDWARD

DATE:
12/4/2021

CHECKED BY:
NAME:

DATE:

PART NAME:

Final Assembly

VOLUME:

2.241 (IN)³



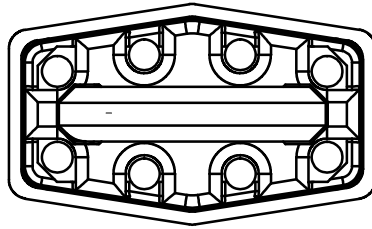
WISCONSIN POLYTECHNIC UNIVERSITY
MATERIAL:
N/A

COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT.

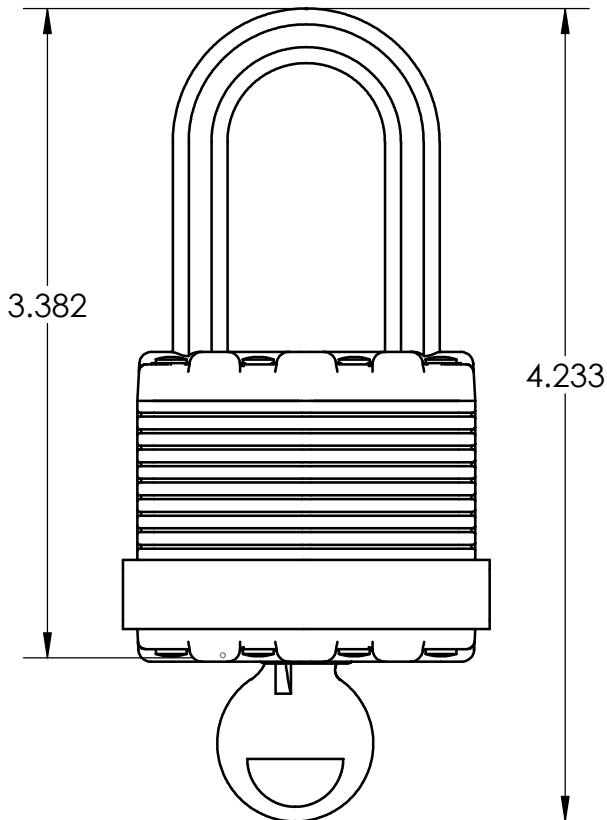
SCALE: 1:2	SIZE: A	REV: -	SHEET: 1 OF 30
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2

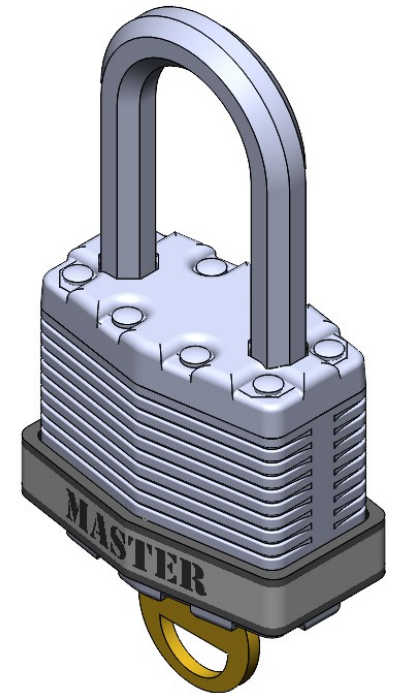
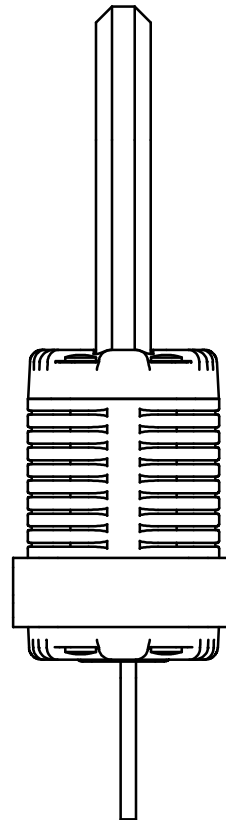
1



B



A



B

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 1994 APPLIES

TERM:
FA21

COURSE:
ETECH 210-001

INSTRUCTOR:
PUCK, BRENDA

DRAWN BY:
OLSON, EDWARD

DATE:
12/4/2021

CHECKED BY:
NAME:

DATE:

PART NAME:
Final Assembly

VOLUME:
2.241 (IN)³



WISCONSIN POLYTECHNIC UNIVERSITY

MATERIAL:
N/A

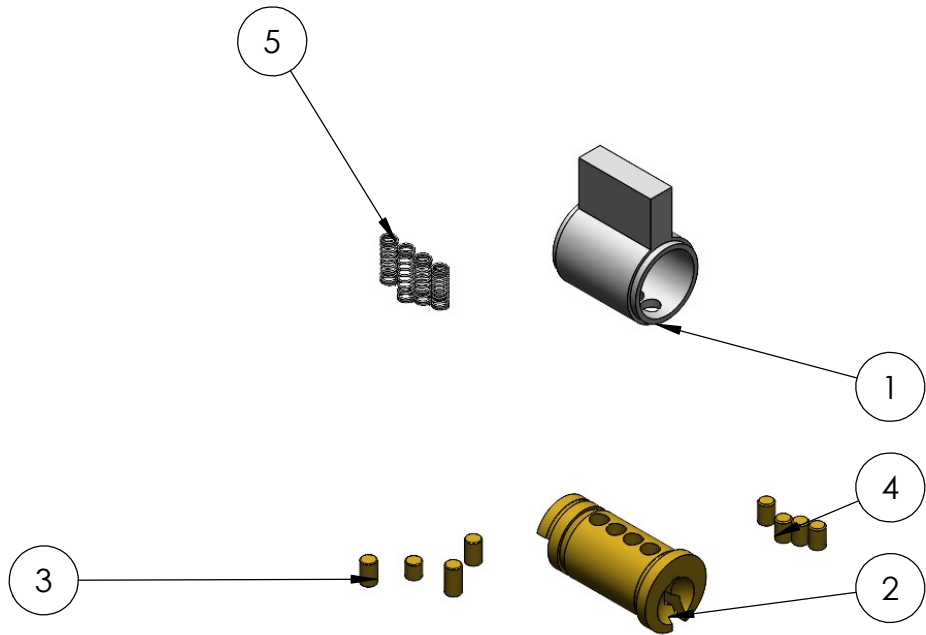
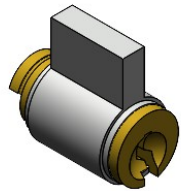
COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT.


SCALE: 1:1	SIZE: A	REV: -	SHEET: 2 OF 30
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2

1

ITEM NO.	PART NUMBER	Volume	QTY.
1	LOCK BIBLE	0.052	1
2	LOCK CORE	0.075	1
3	KEY PIN	0.001	4
4	Driver Pin	0.001	4
5	9657K236_Compression Spring	0.000	4

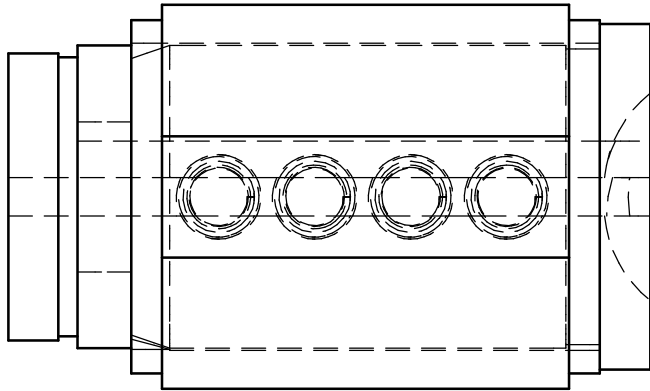


ALL DIMENSIONS IN INCHES BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED ANGULAR $\pm 2^\circ$ LINEAR $.X \pm .020$ $.XX \pm .010$ $.XXX \pm .005$ $.XXXX \pm .0005$ ASME Y14.5M 1994 APPLIES	TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA	 COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS, AND MANAGEMENT.
	DRAWN BY: OLSON, EDWARD	NAME: OLSON, EDWARD	DATE: 10/11/2021	
	CHECKED BY:	NAME:	DATE:	
	PART NAME: Lock Subassembly	VOLUME: 0.136 (IN) ³	MATERIAL: N/A	
				SCALE: 1:1 SIZE: A REV: - SHEET: 3 OF 30

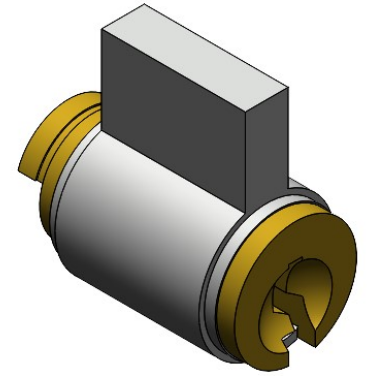
2

1

B

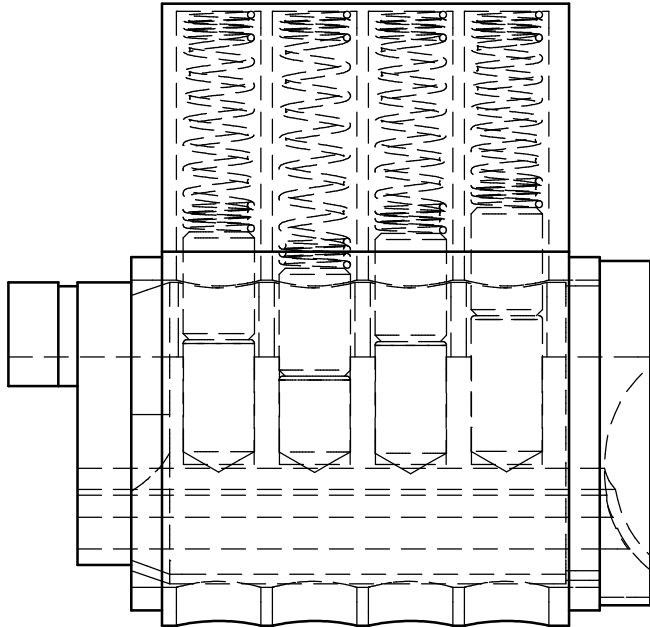


B

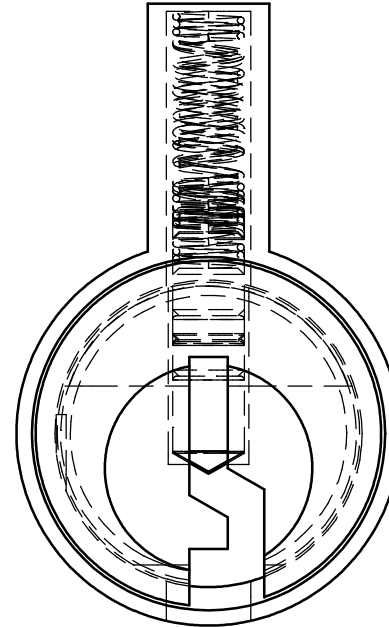


SCALE 2:1

A



A



ALL DIMENSIONS IN INCHES

BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
 .XX $\pm .010$
 .XXX $\pm .005$
 .XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA
DRAWN BY: OLSON, EDWARD	NAME: OLSON, EDWARD	DATE: 10/11/2021
CHECKED BY:	NAME:	DATE:
PART NAME: Lock Subassembly	VOLUME: 0.136 (IN) ³	



WISCONSIN POLYTECHNIC UNIVERSITY

MATERIAL: N/A

**COLLEGE OF SCIENCE, TECHNOLOGY,
 ENGINEERING, MATHEMATICS, AND
 MANAGEMENT.**

SCALE: 4:1	SIZE: A	REV: -	SHEET: 4 OF 30
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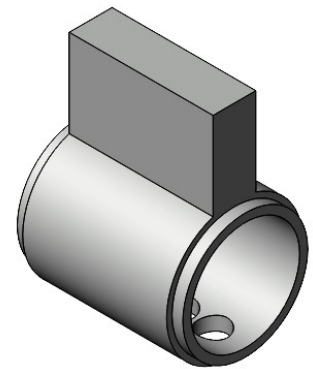
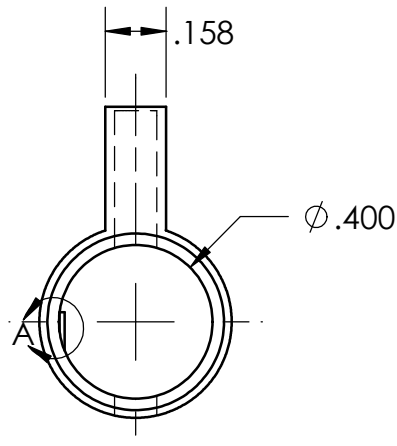
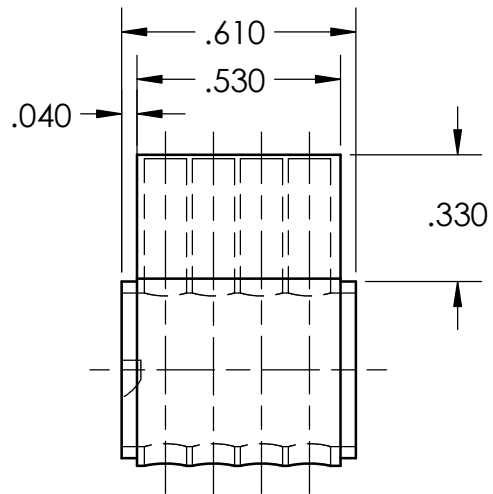
2

1

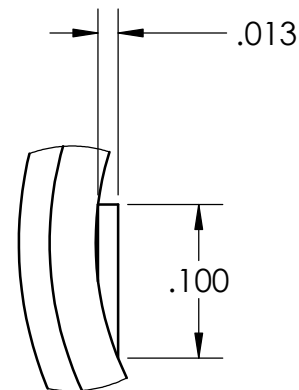
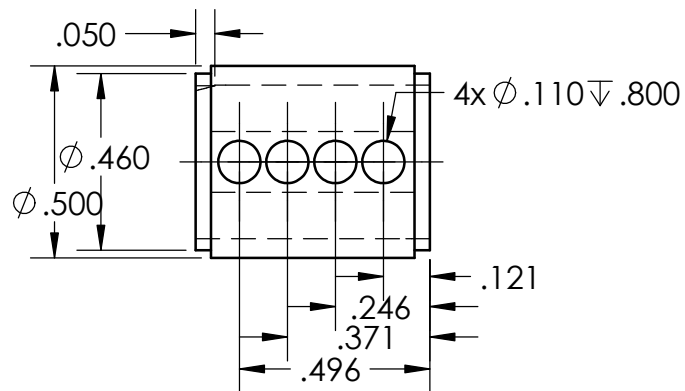
2

1

B



B



DETAIL A
SCALE 8 : 1

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:
FA21

COURSE:
ETECH 210-001

INSTRUCTOR:
PUCK, BRENDA

DRAWN BY:
OLSON, EDWARD

DATE:
11/8/2021

CHECKED BY:
NAME:

DATE:

PART NAME:

LOCK BIBLE

VOLUME:

0.052 (IN)³



WISCONSIN POLYTECHNIC UNIVERSITY

COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT

MATERIAL:

Zinc AC41A Alloy, As Cast

SCALE:

2:1

SIZE:

A

REV:

1

SHEET:

5 OF 30

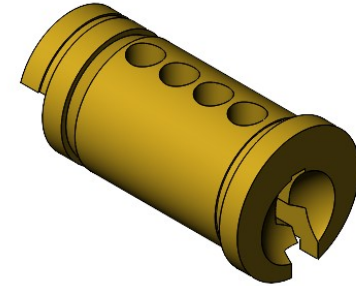
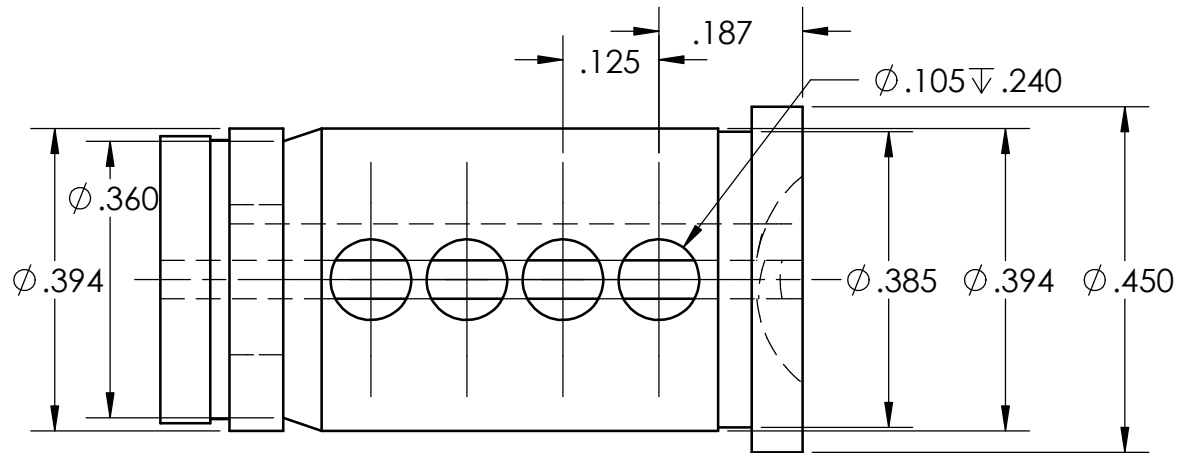
2

1

2

1

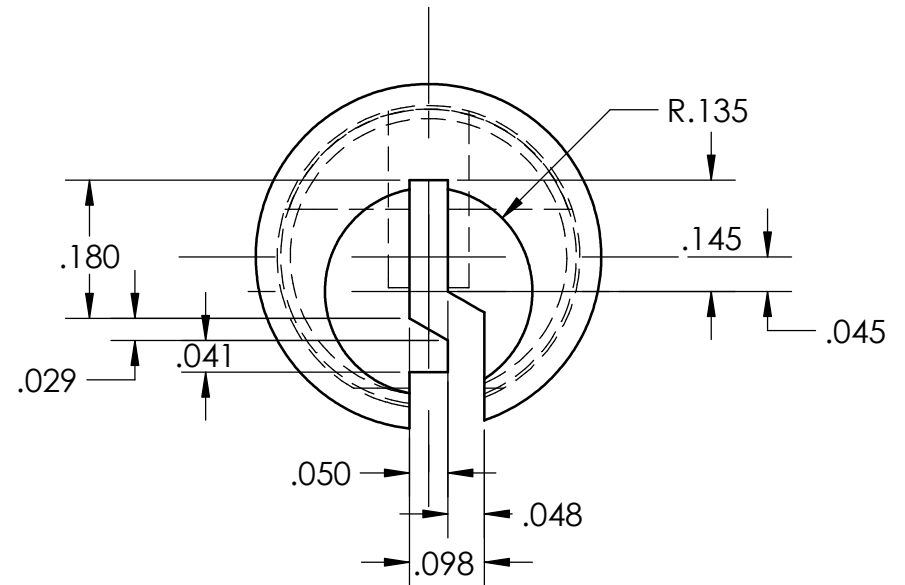
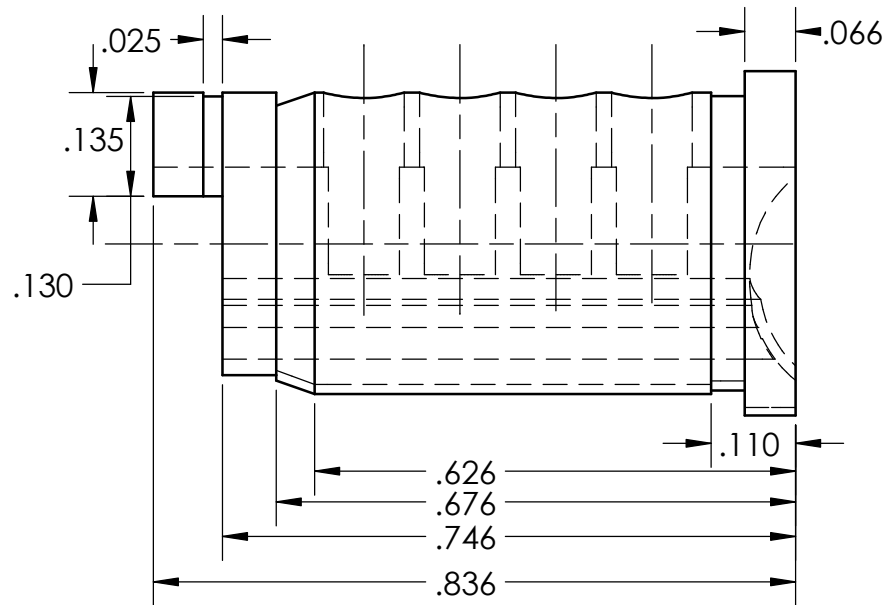
B



SCALE 2:1

B

A



A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:	FA21	COURSE:	ETECH 210-001	INSTRUCTOR:	PUCK, BRENDA
DRAWN BY:	NAME:	OLSON, EDWARD	DATE:	11/8/2021	
CHECKED BY:	NAME:		DATE:		
PART NAME:	LOCK CORE		VOLUME:	0.075 (IN) ³	



WISCONSIN POLYTECHNIC UNIVERSITY
MATERIAL:
Brass

COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT

SCALE:	SIZE:	REV:	SHEET:
4:1	A	1	6 OF 30

2

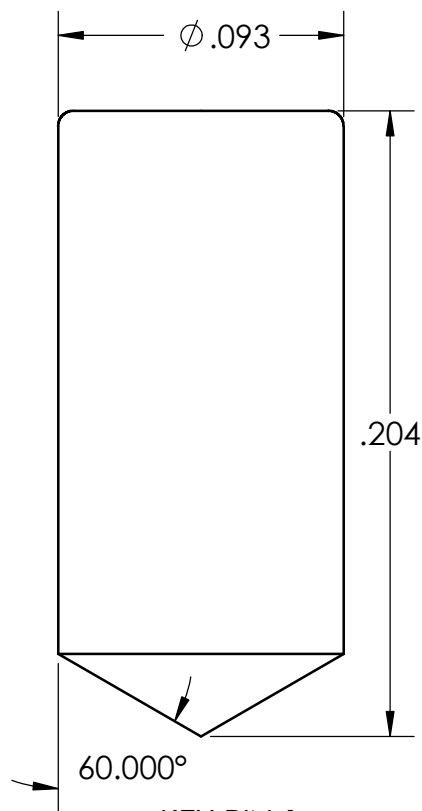
1

2

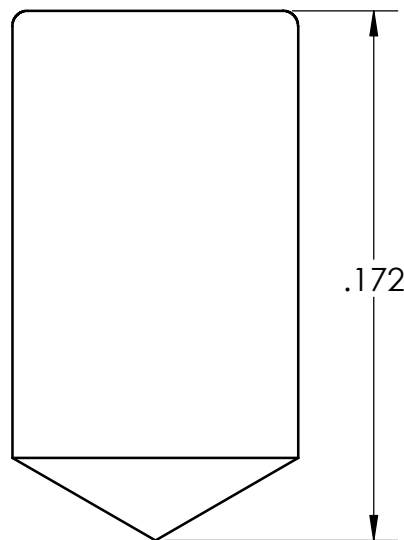
1

B

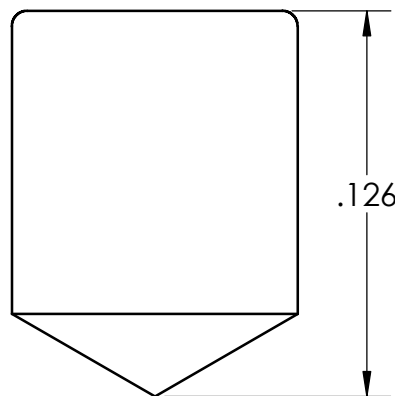
B



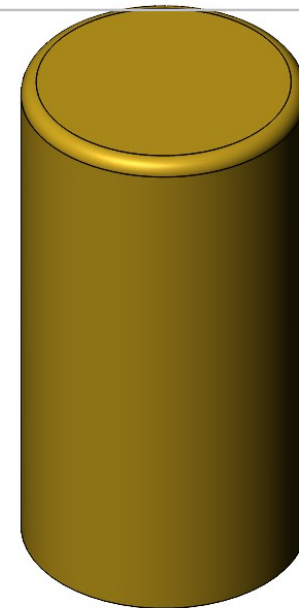
KEY PIN 1



KEY PIN 2 AND 4



KEY PIN 3



A

NOTE:
ALL ROUNDS AND FILLETS ARE R0.005

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA
DRAWN BY: OLSON, EDWARD	NAME: OLSON, EDWARD	DATE: 10/11/2021
CHECKED BY:	NAME:	DATE:
PART NAME: KEY PIN	VOLUME: 0.001 (IN) ³	



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL: Brass	SCALE: 16:1	SIZE: A	REV: 1	SHEET: 7 OF 30
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2

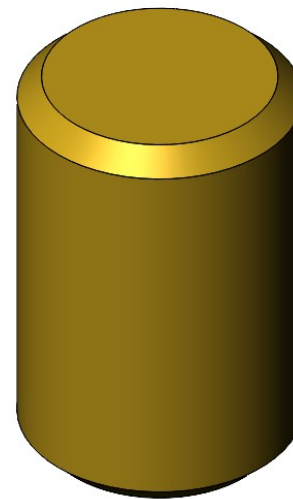
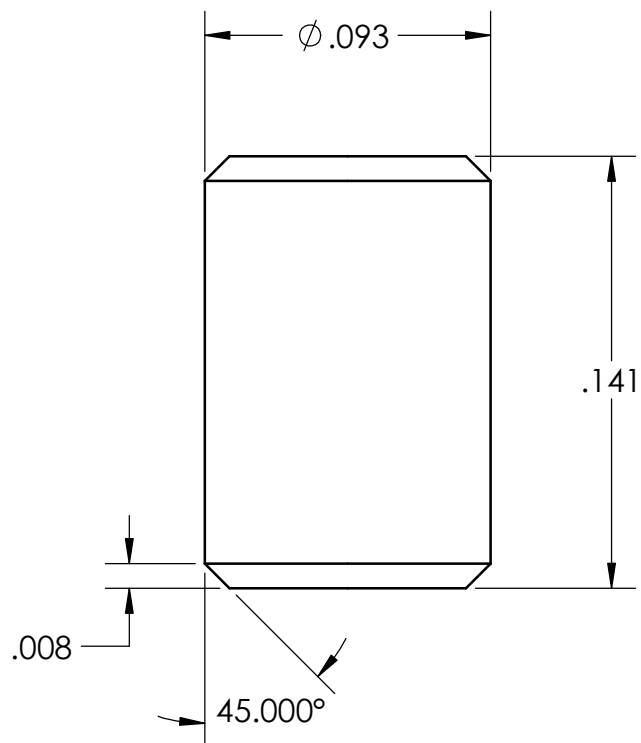
1

2

1

B

B



A

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA
DRAWN BY: OLSON, EDWARD	DATE: 10/11/2021	
CHECKED BY:	NAME:	
PART NAME: Driver Pin	VOLUME: 0.001 (IN) ³	



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

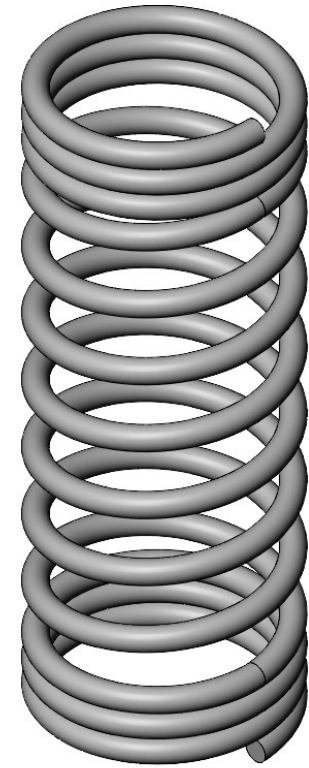
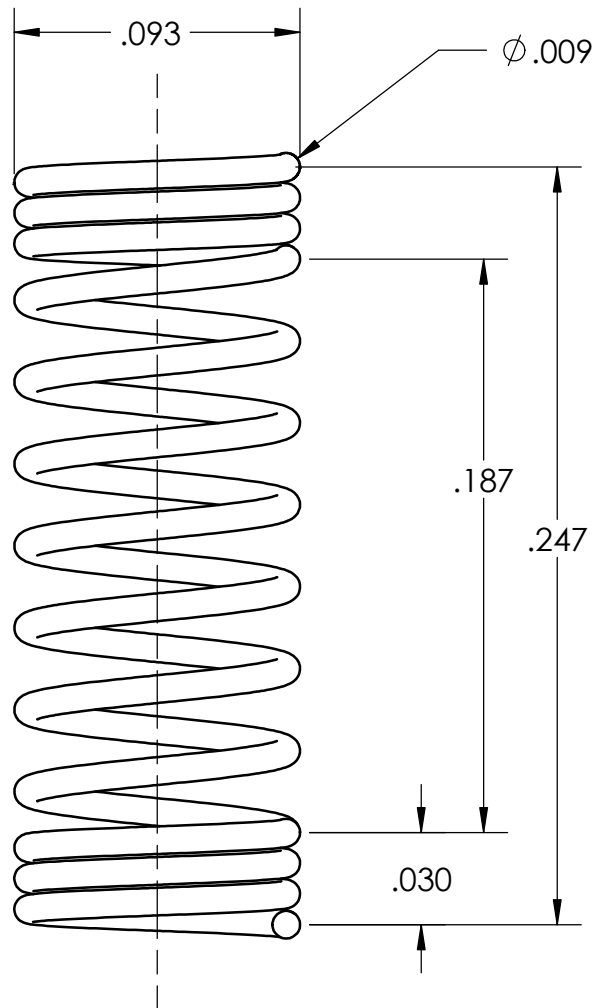
MATERIAL: Brass	SCALE: 16:1	SIZE: A	REV: 2	SHEET: 8 OF 30
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2

1

2

1



ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA
DRAWN BY: OLSON, EDWARD	NAME: OLSON, EDWARD	DATE: 11/16/2021
CHECKED BY:	NAME:	DATE:
PART NAME: 9657K236_Compression Spring	VOLUME: 0.000 (IN) ³	



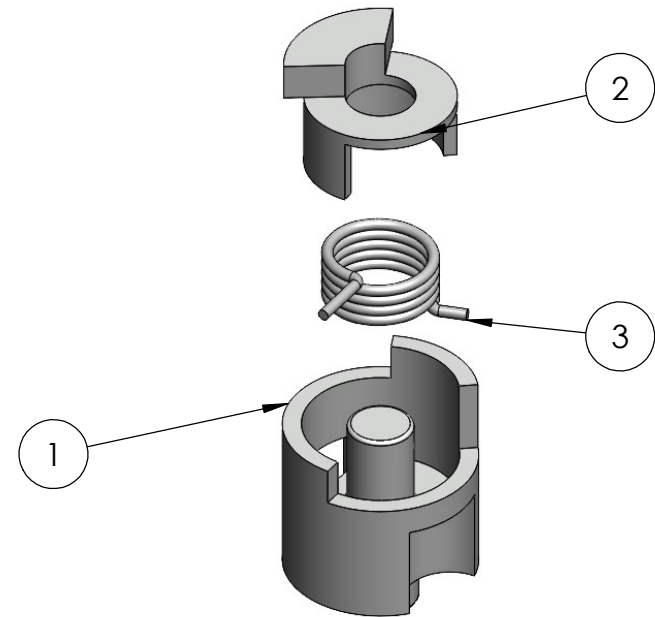
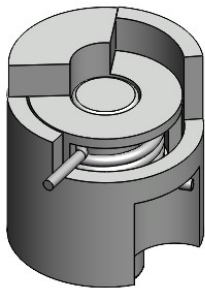
**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

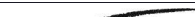
MATERIAL: Music-wire Steel	SCALE: 16:1	SIZE: A	REV: 1	SHEET: 9 OF 30
----------------------------	-------------	---------	--------	----------------

2

1

ITEM NO.	PART NUMBER	Volume	QTY.
1	Actuator Body	0.056	1
2	Actuator Cap	0.012	1
3	9271K672	0.003	1

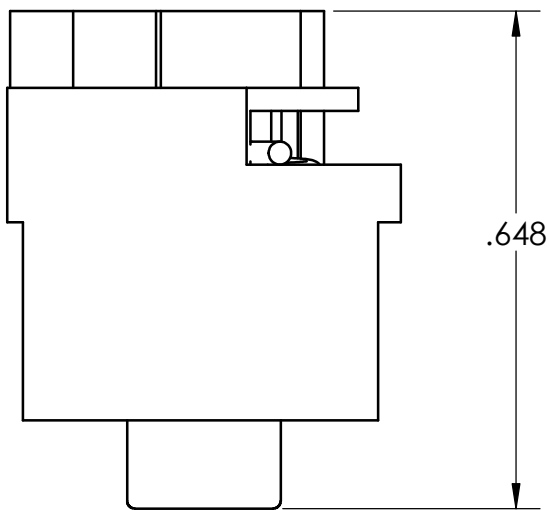
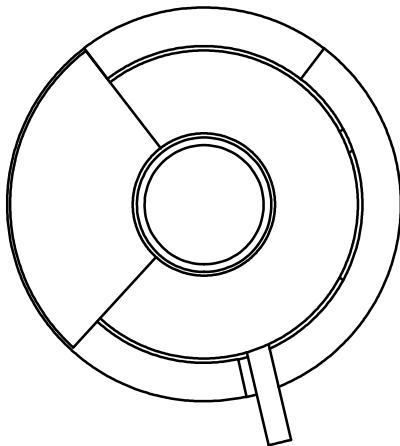


ALL DIMENSIONS IN INCHES BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$.XX $\pm .010$.XXX $\pm .005$.XXXX $\pm .0005$ ASME Y14.5M 1994 APPLIES	TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA	 UNIVERSITY OF WISCONSIN STOUT WISCONSIN POLYTECHNIC UNIVERSITY	COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS, AND MANAGEMENT								
	DRAWN BY:	NAME: OLSON, EDWARD	DATE: 11/16/2021										
	CHECKED BY:	NAME:	DATE:										
	PART NAME:	VOLUME:	MATERIAL:							SCALE:	SIZE:	REV:	SHEET:
	Actuator Subassembly	0.072 (IN) ³	N/A							2:1	A	-	10 OF 30

2

1

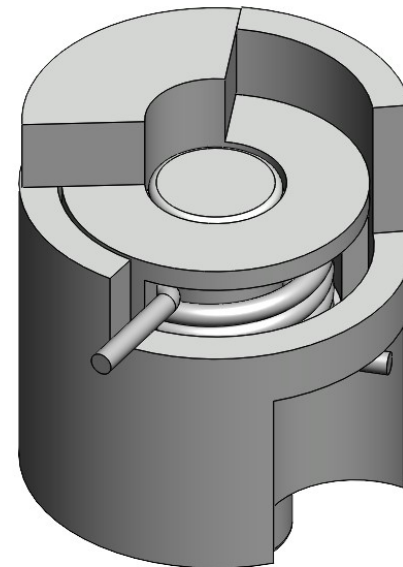
B



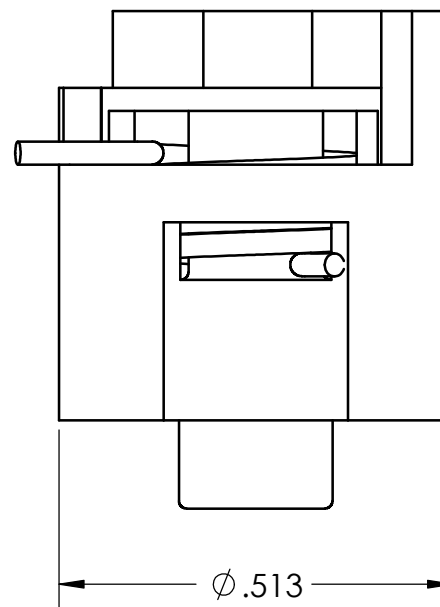
.648

A

B



A



Ø.513

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 1994 APPLIES

TERM:
FA21

COURSE:
ETECH 210-001

INSTRUCTOR:
PUCK, BRENDA

DRAWN BY:
NAME: OLSON, EDWARD

DATE:
11/16/2021

CHECKED BY:
NAME:

DATE:

PART NAME:
Actuator Subassembly

VOLUME:
0.072 (IN)³



WISCONSIN POLYTECHNIC UNIVERSITY

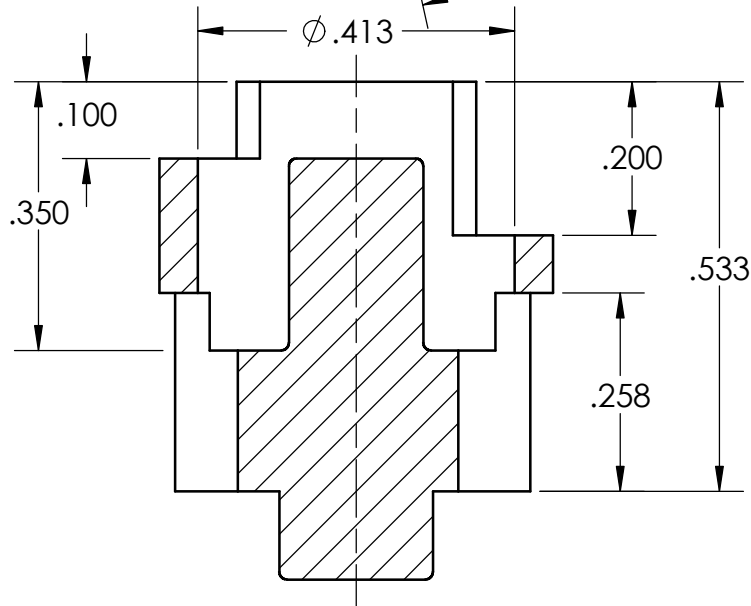
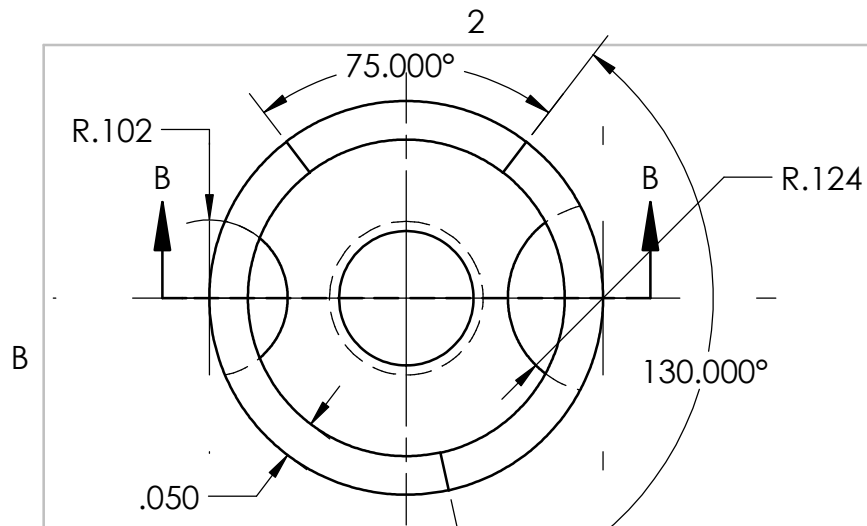
MATERIAL:
N/A

COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT.

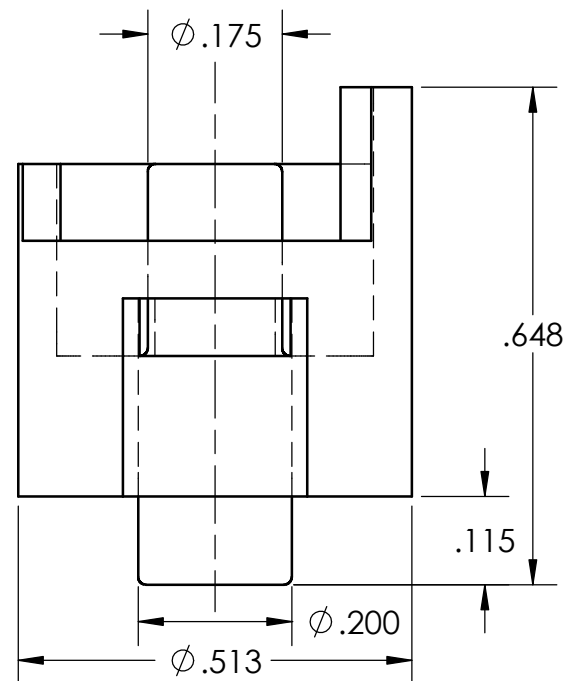
SCALE:	SIZE:	REV:	SHEET:
4:1	A	-	11 OF 30

2

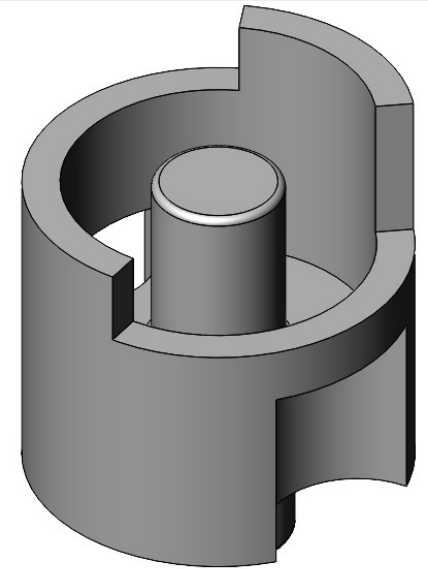
1



SECTION B-B



NOTE:
ALL ROUNDS AND
FILLETS ARE R.01



ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:
FA21

COURSE:
ETECH 210-001

INSTRUCTOR:

PUCK, BRENDA

DRAWN BY:

NAME:
OLSON, EDWARD

DATE:

11/16/2021

CHECKED BY:

NAME:

DATE:

PART NAME:

Actuator Body

VOLUME:

0.056 (IN)³



WISCONSIN POLYTECHNIC UNIVERSITY

MATERIAL:

Zinc AC41A Alloy, As Cast

COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT

SCALE:
4:1

SIZE:
A

REV:
-

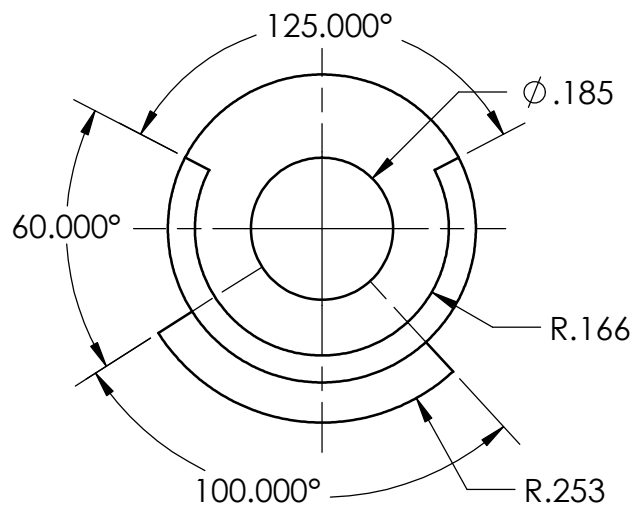
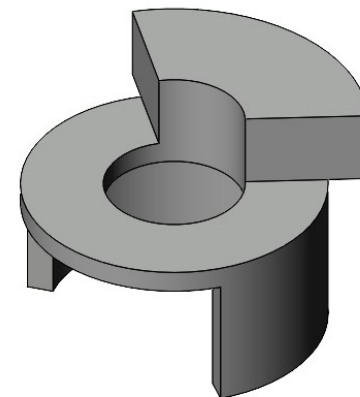
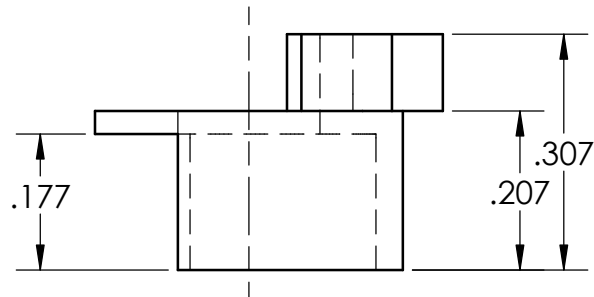
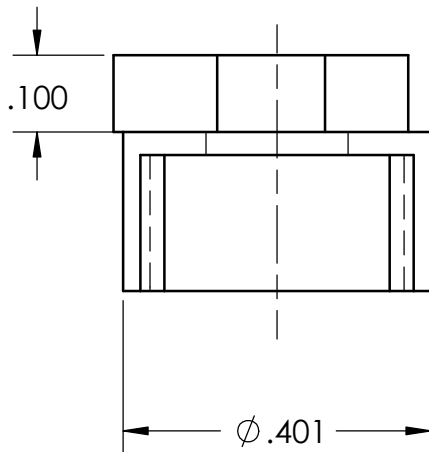
SHEET:
12 OF 30

2

1

B

B



A

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:	FA21	COURSE:	ETECH 210-001	INSTRUCTOR:	PUCK, BRENDA
DRAWN BY:	NAME: OLSON, EDWARD	DATE:	11/16/2021		
CHECKED BY:	NAME:	DATE:			
PART NAME:	Actuator Cap			VOLUME:	0.012 (IN) ³



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL:	SCALE:	SIZE:	REV:	SHEET:
Zinc AC41A Alloy, As Cast	4:1	A	-	13 OF 30

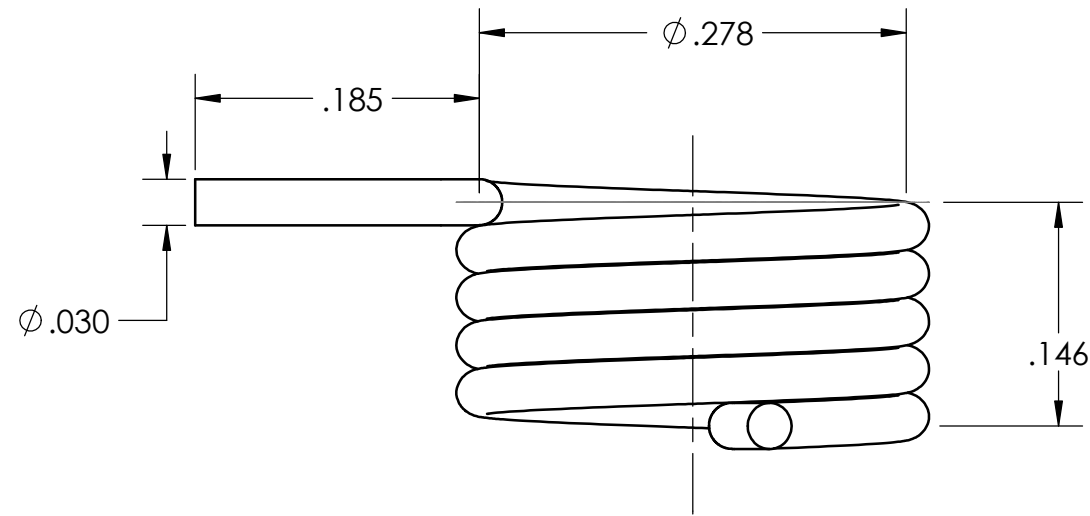
2

1

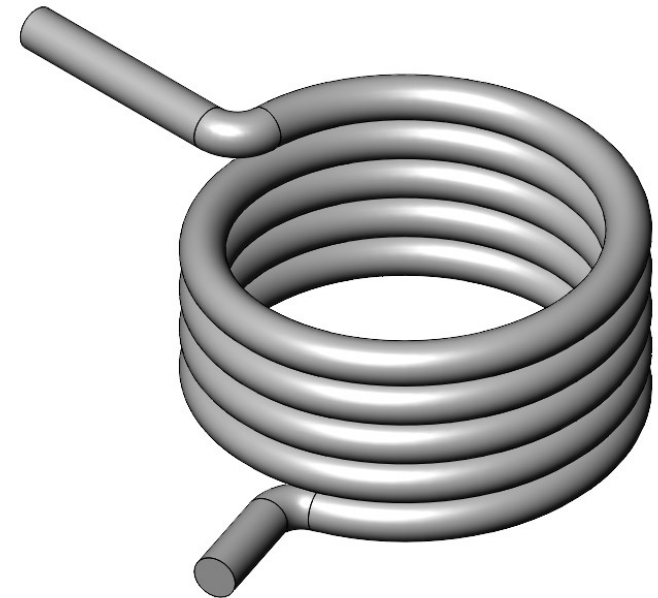
2

1

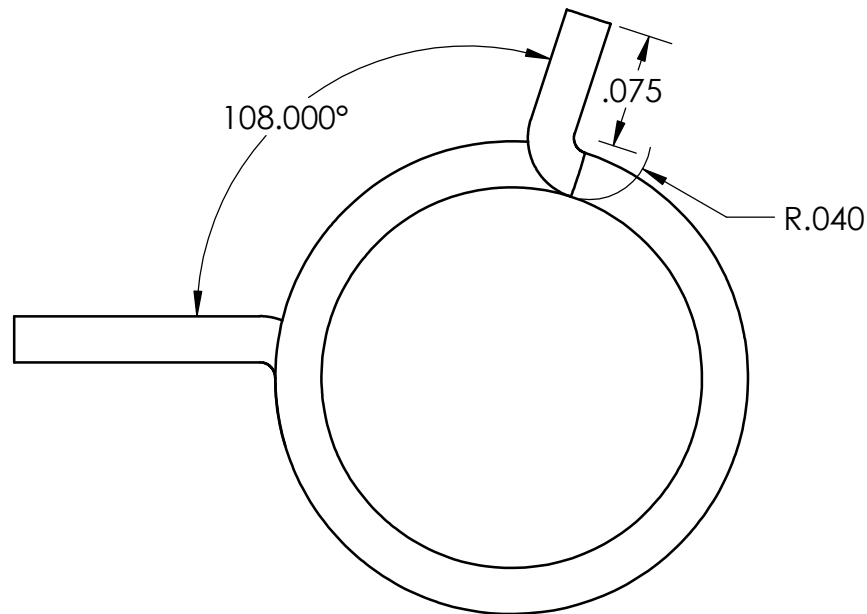
B



B



A



A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA
DRAWN BY: OLSON, EDWARD	NAME: OLSON, EDWARD	DATE: 11/16/2021
CHECKED BY:	NAME:	DATE:
PART NAME: 9271K672_Torsion Spring	VOLUME: 0.003 (IN) ³	



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL: Music-Wire Steel	SCALE: 8:1	SIZE: A	REV: 1	SHEET: 14 OF 30
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2

1

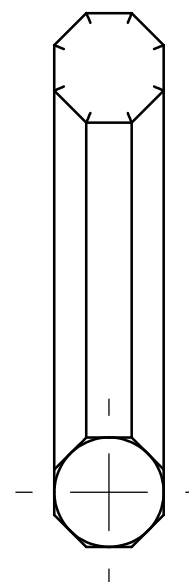
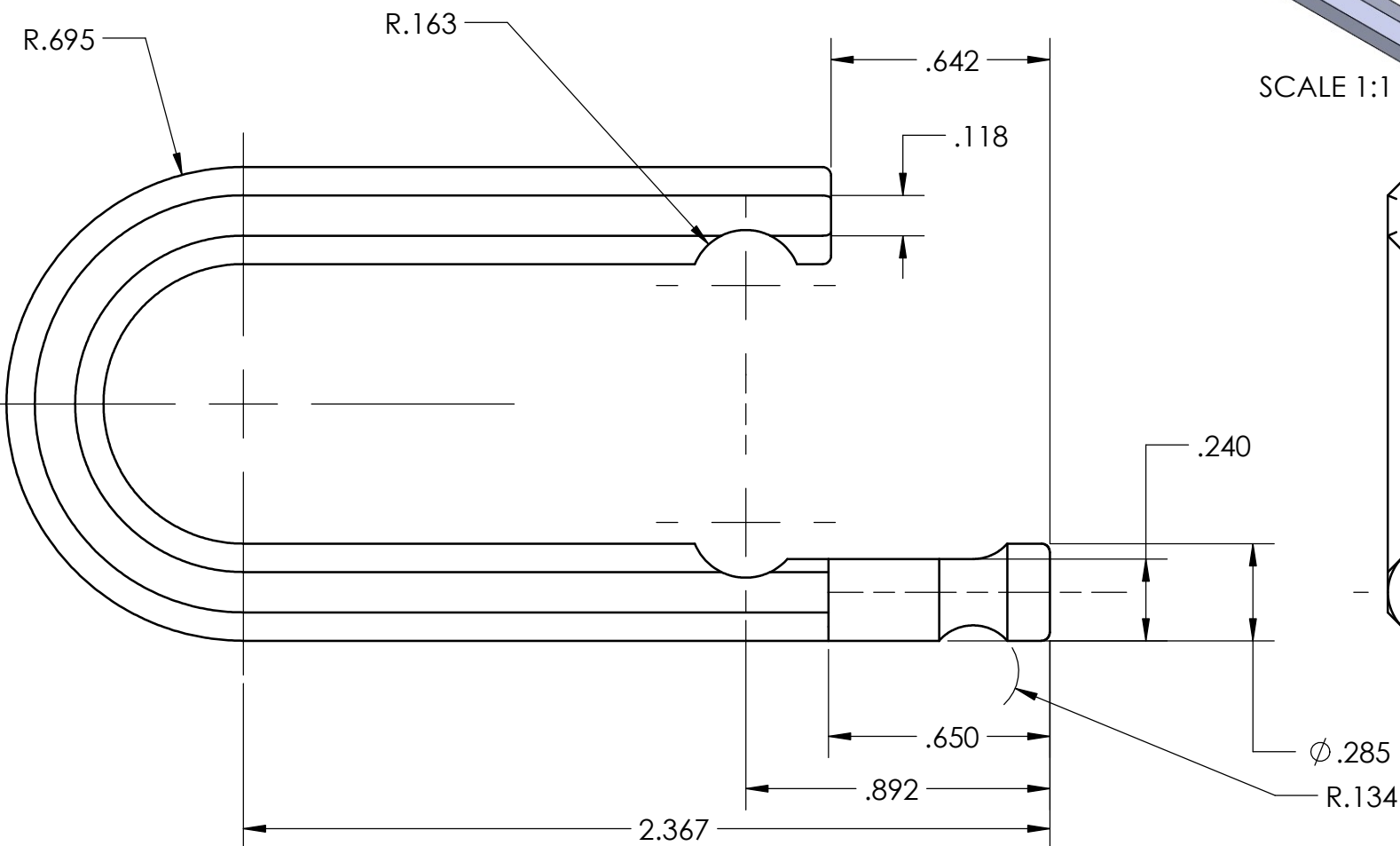
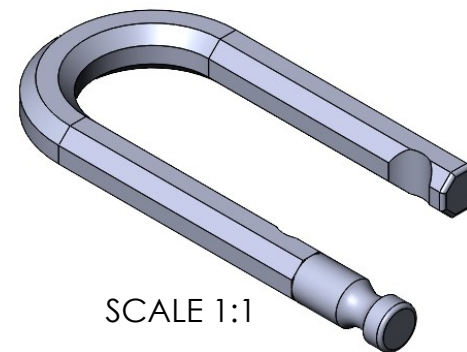


2

1

B

B



A

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA
DRAWN BY: OLSON, EDWARD	NAME: OLSON, EDWARD	DATE: 11/16/2021
CHECKED BY:	NAME:	DATE:
PART NAME: Shackle	VOLUME: 0.373 (IN) ³	



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL: Material <not specified>	SCALE: 2:1	SIZE: A	REV: -	SHEET: 16 OF 30
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2

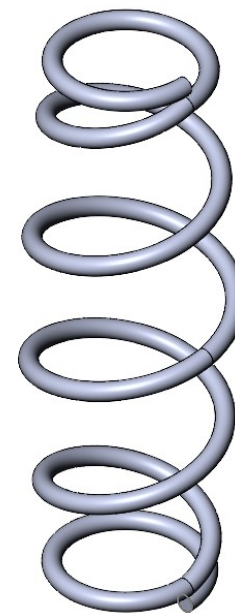
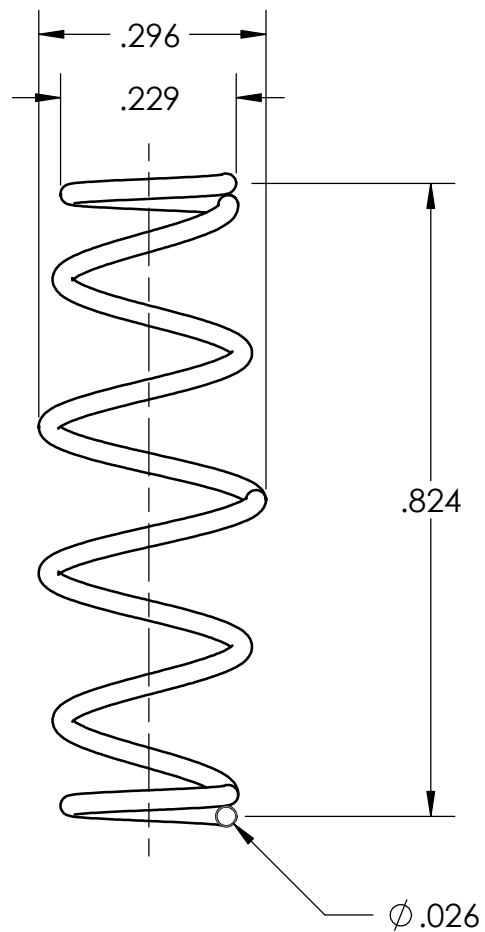
1

2

1

B

B



A

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH 210-001	INSTRUCTOR: PUCK, BRENDA
DRAWN BY: NAME: OLSON, EDWARD	DATE: 11/16/2021	
CHECKED BY: NAME:	DATE:	
PART NAME: Shackle Spring	VOLUME: 0.002 (IN) ³	



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL: 302 Stainless Steel	SCALE: 4:1	SIZE: A	REV: 1	SHEET: 17 OF 30
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2

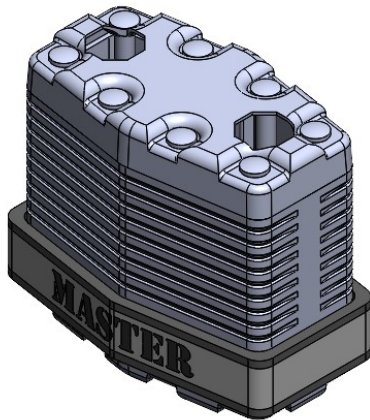
1

2

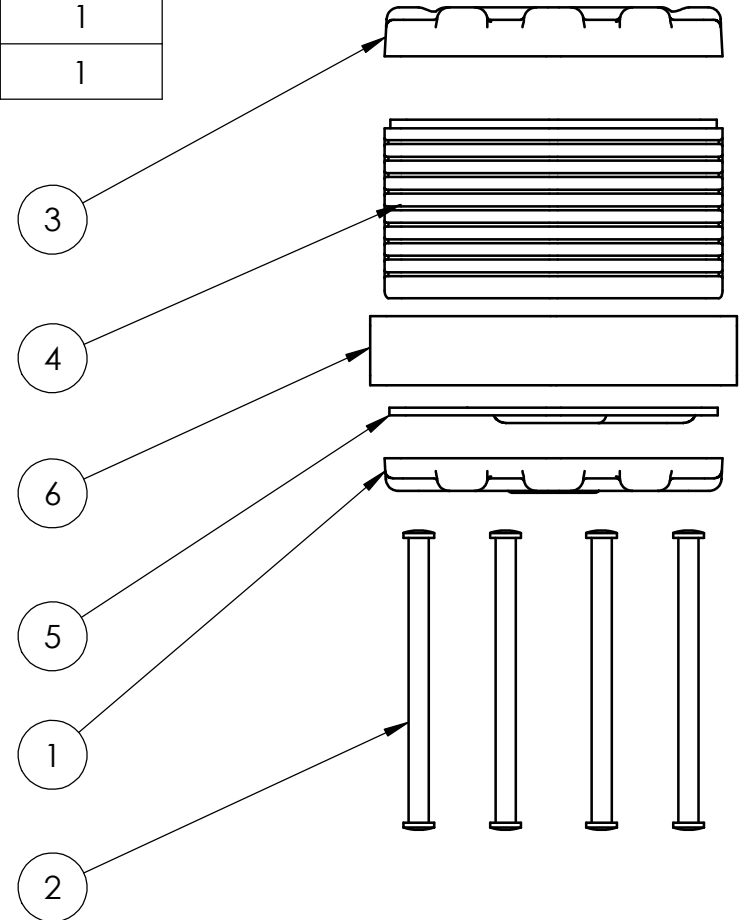
1

ITEM NO.	PART NUMBER	VOLUME	QTY.
1	RETAINER BOTTOM	.040	1
2	pin	.010	8
3	RETAINER TOP	.040	1
4	Sleeve	.250	1
5	THICK PLATE	.040	1
6	BOOT 2	.150	1

B



A



B

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:
FA21

COURSE:
ETECH210-001

INSTRUCTOR:
PUCK

DRAWN BY:
LOGAN HARTMAN

DATE:
12/7/2021

CHECKED BY:
NAME:

DATE:

PART NAME:

Lock Body Assembly

VOLUME:

0.636 (IN)³



MATERIAL:
N/A

**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT.**

SCALE: 1:1	SIZE: A	REV: 0	SHEET: 18 OF 30
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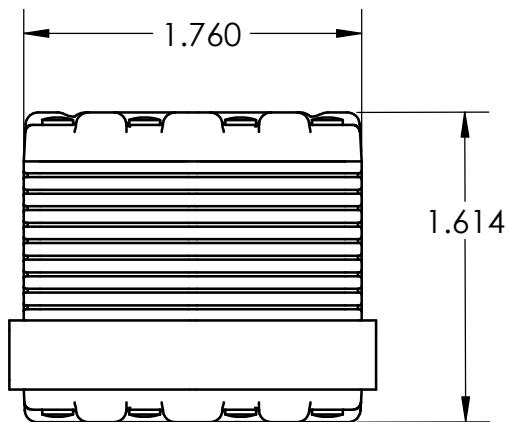
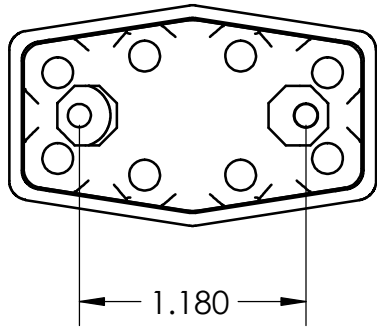
2

1

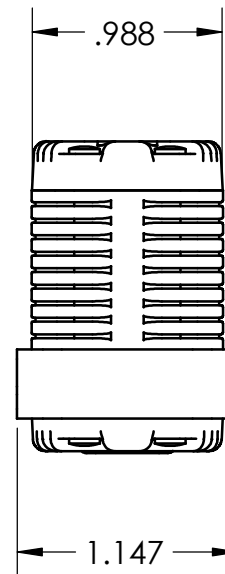
2

1

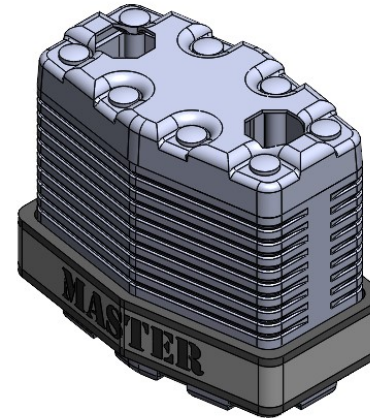
B



A



B



A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH210-001	INSTRUCTOR: PUCK
DRAWN BY: LOGAN HARTMAN	NAME: LOGAN HARTMAN	DATE: 12/7/2021
CHECKED BY:	NAME:	DATE:
PART NAME: Lock Body Assembly	VOLUME: 0.636 (IN) ³	



MATERIAL: N/A

COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT

SCALE: 1:1	SIZE: A	REV: 0	SHEET: 19 OF 30
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2

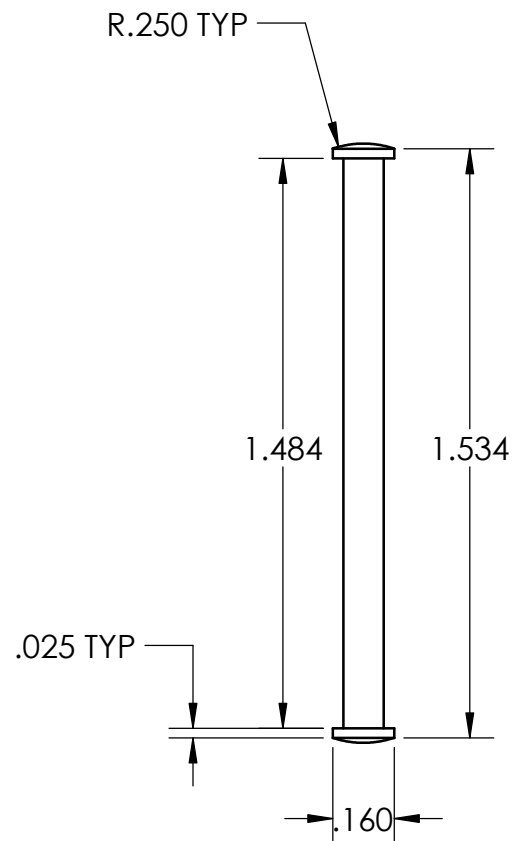
1

2

1

B

B



A

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
 .XX $\pm .010$
 .XXX $\pm .005$
 .XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH210-001	INSTRUCTOR: PUCK
DRAWN BY: LOGAN HARTMAN	NAME: LOGAN HARTMAN	DATE: 12/7/2021
CHECKED BY:	NAME:	DATE:
PART NAME: pin	VOLUME: 0.014 (IN) ³	

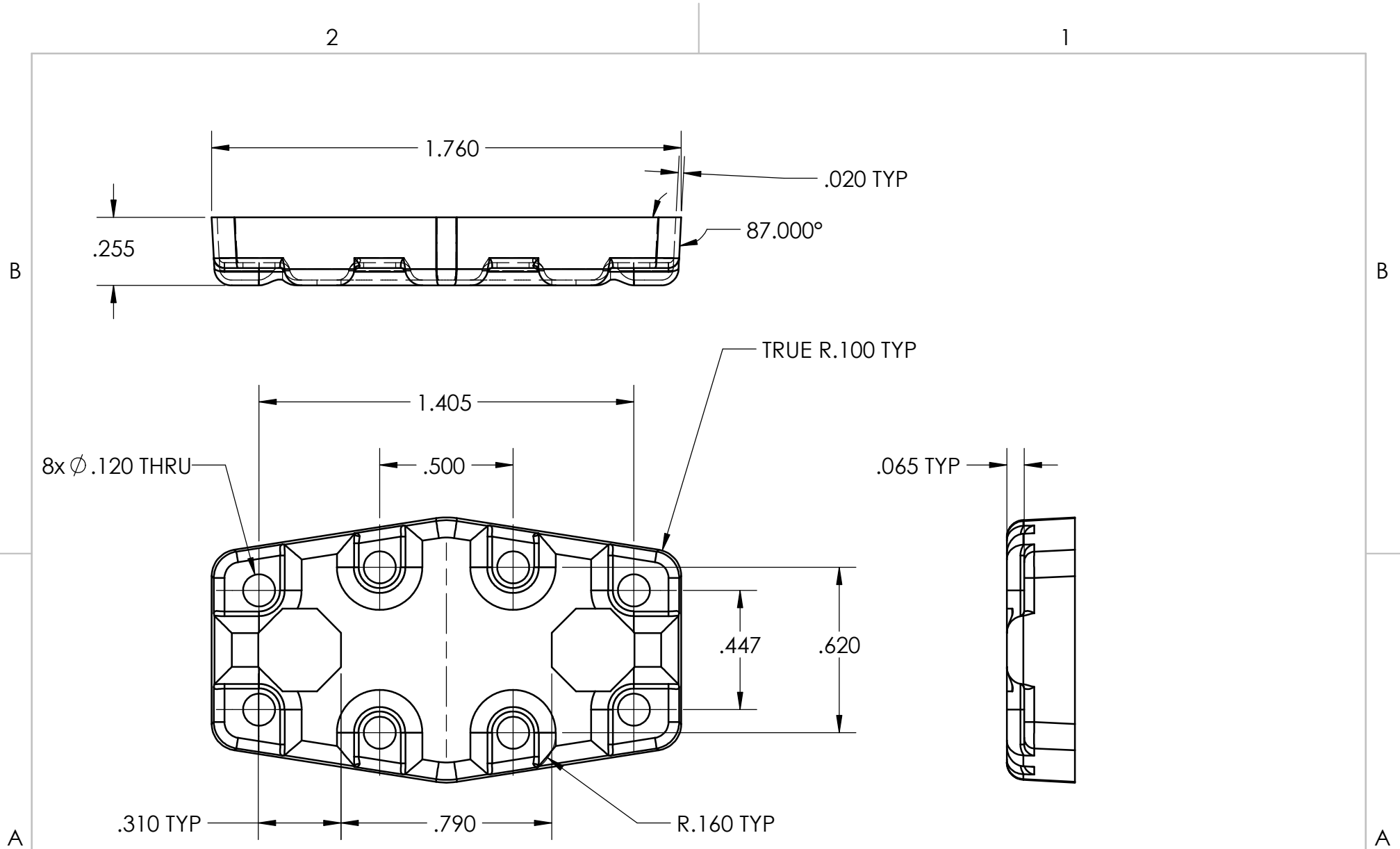


**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL: Material <not specified>	SCALE: 2:1	SIZE: A	REV: 0	SHEET: 21 OF 30
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2

1



ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
 .XX $\pm .010$
 .XXX $\pm .005$
 .XXXX $\pm .0005$

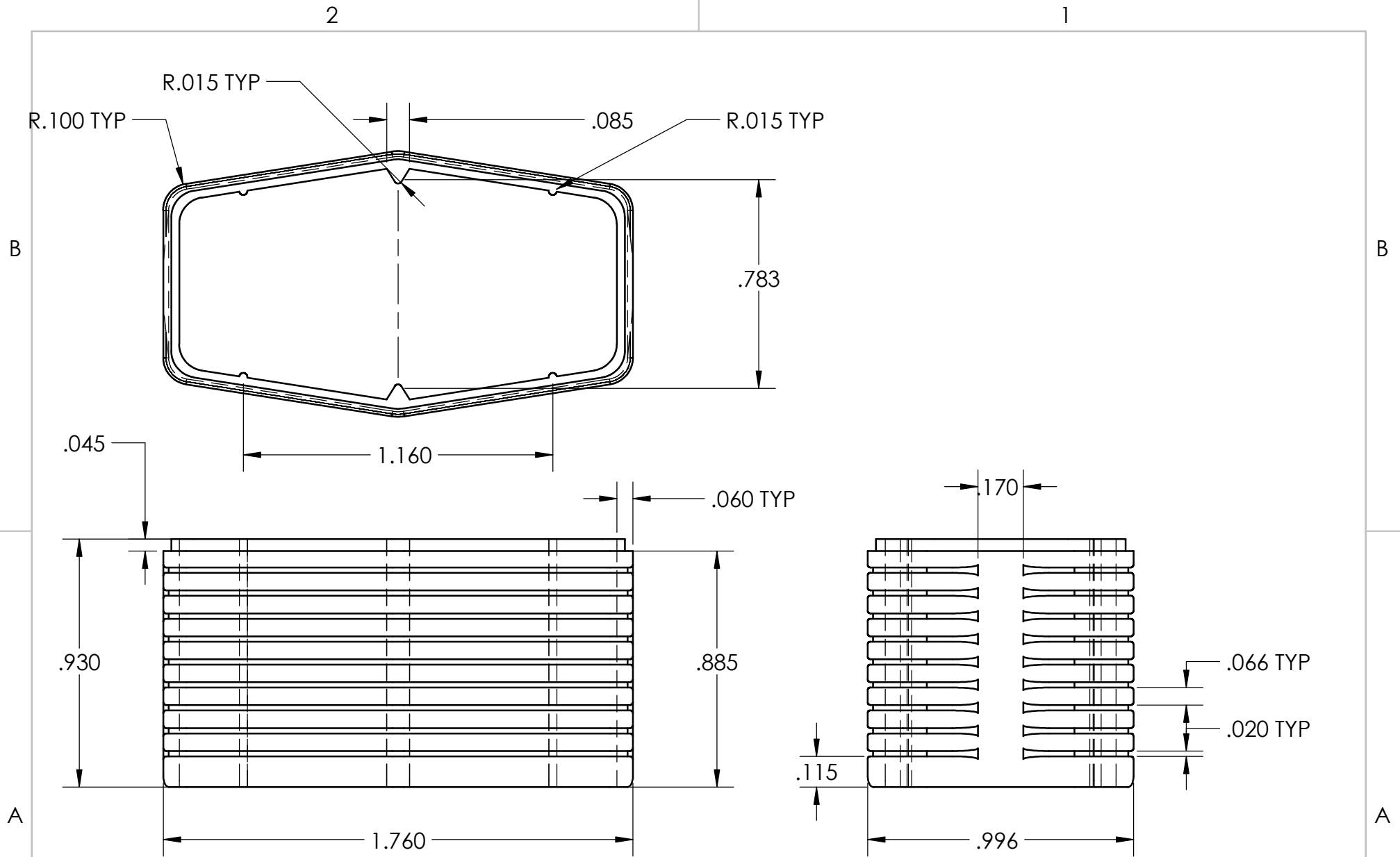
ASME Y14.5M 2018 APPLIES

TERM:	FA21	COURSE:	ETECH210-001	INSTRUCTOR:	PUCK
DRAWN BY:	LOGAN HARTMAN	NAME:	LOGAN HARTMAN	DATE:	12/7/2021
CHECKED BY:		NAME:		DATE:	
PART NAME:	RETAINER TOP			VOLUME:	0.044 (IN) ³



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL:	SCALE:	SIZE:	REV:	SHEET:
Material <not specified>	2:1	A	0	22 OF 30



ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:	FA21	COURSE:	ETECH210-001	INSTRUCTOR:	PUCK
DRAWN BY:	LOGAN HARTMAN	NAME:	LOGAN HARTMAN	DATE:	12/7/2021
CHECKED BY:		NAME:		DATE:	
PART NAME:	Sleeve	VOLUME:	0.250 (IN) ³		



COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT

MATERIAL:	SCALE:	SIZE:	REV:	SHEET:
Material <not specified>	2:1	A	0	23 OF 30

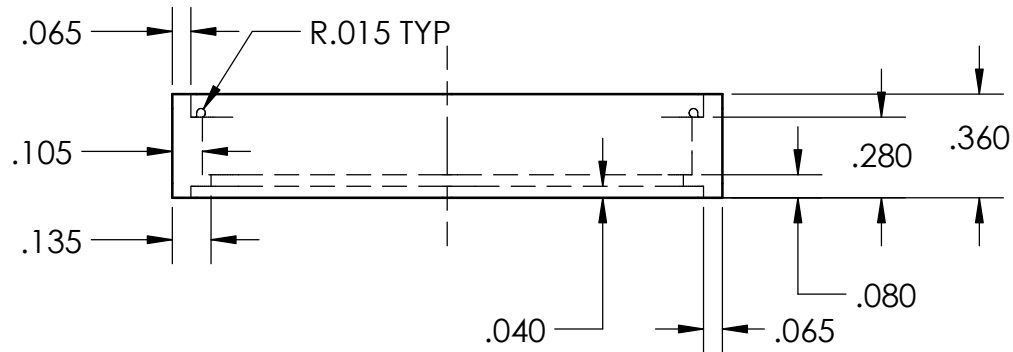
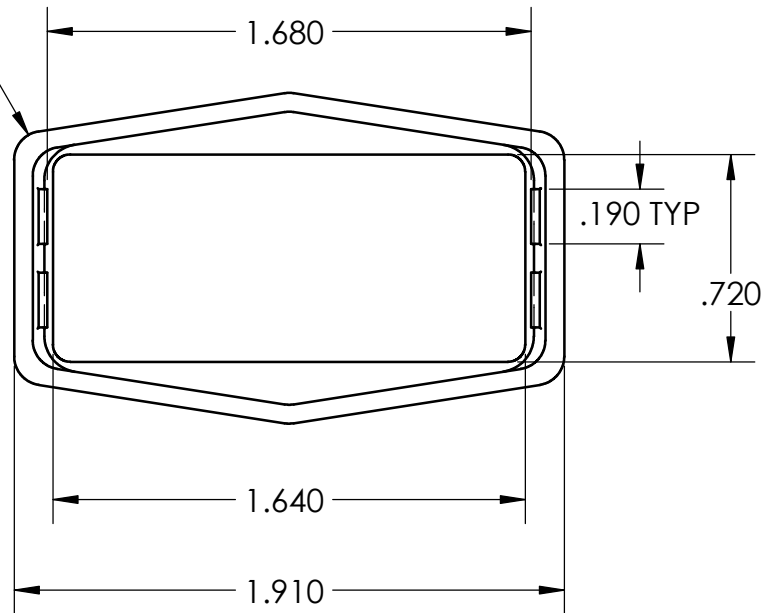


1

2

1

R.100 TYP



ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM: FA21	COURSE: ETECH210-001	INSTRUCTOR: PUCK
DRAWN BY: LOGAN HARTMAN	NAME: LOGAN HARTMAN	DATE: 12/7/2021
CHECKED BY:	NAME:	DATE:
PART NAME: BOOT 2	VOLUME: 0.153 (IN) ³	



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL: Material <not specified>	SCALE: 1.5:1	SIZE: A	REV: 0	SHEET: 25 OF 30
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2

1

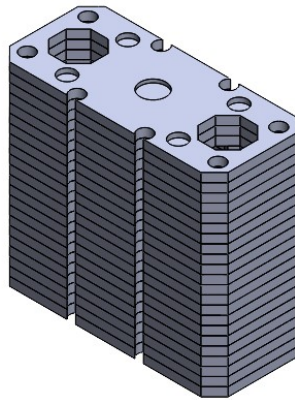
2

1

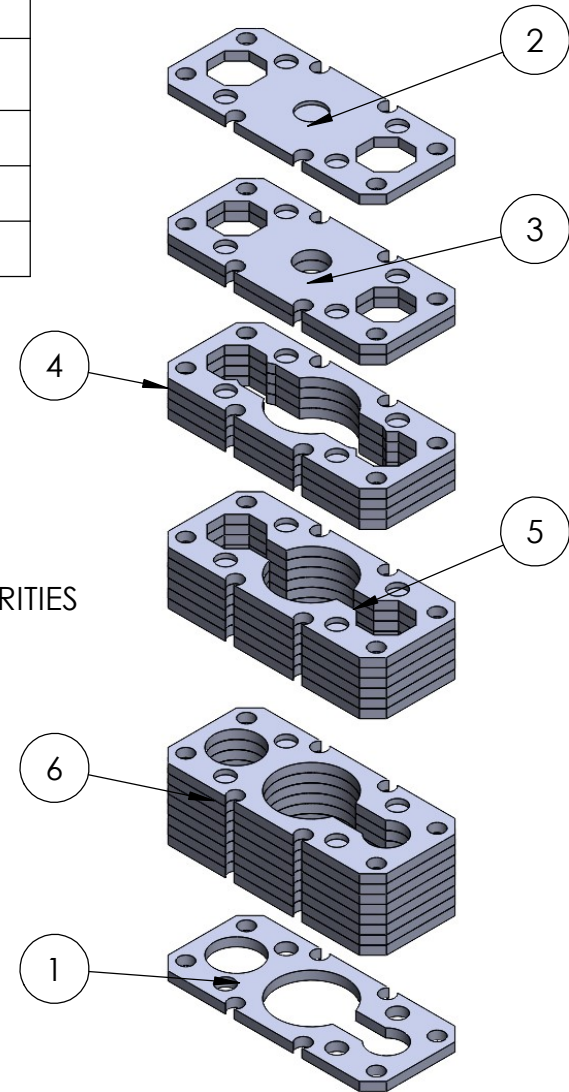
ITEM NO.	PART NUMBER	Volume	QTY.
1	CIRCLES no peg	0.041	1
2	OCTAGONS and PEG	0.057	1
3	OCTAGONS and CIRCLE	0.055	2
4	OCTAGON WIDE	0.039	4
5	OCTAGON NARROW	0.042	6
6	CIRCLES	0.044	8

B

B




NOTE: NOT ALL PLATES ARE REPRESENTED
IN THIS DRAWING SET DUE TO THEIR SIMILARITIES



A

A

ALL DIMENSIONS IN INCHES BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED ANGULAR $\pm 2^\circ$ LINEAR $.X \pm .020$ $.XX \pm .010$ $.XXX \pm .005$ $.XXXX \pm .0005$ ASME Y14.5M 2018 APPLIES	TERM: FA21	COURSE: ETECH210-001	INSTRUCTOR: PUCK	 COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS, AND MANAGEMENT.
	DRAWN BY: LOGAN HARTMAN	NAME: LOGAN HARTMAN	DATE: 12/06/2021	
	CHECKED BY:	NAME:	DATE:	
	PART NAME: Plate Stack Subassembly	VOLUME: 0.965 (IN) ³	MATERIAL: N/A	
				SCALE: 1:1 SIZE: A REV: - SHEET: 26 OF 30

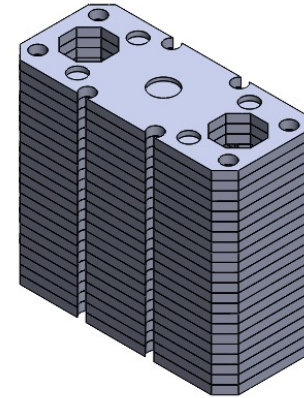
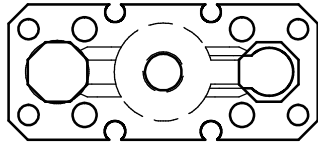
2

1

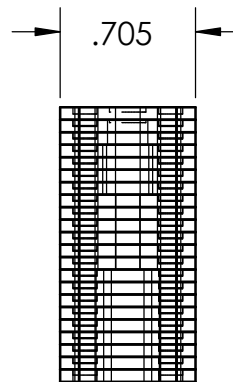
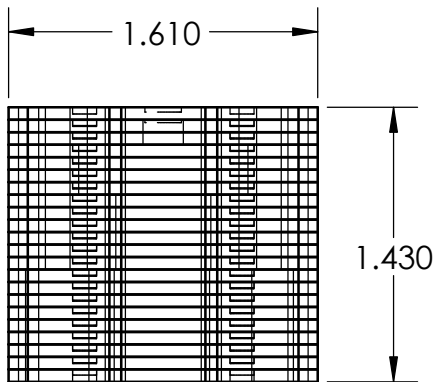
2

1

B



B



A

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
 .XX $\pm .010$
 .XXX $\pm .005$
 .XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:	FA21	COURSE:	ETECH210-001	INSTRUCTOR:	PUCK
DRAWN BY:	NAME: LOGAN HARTMAN	DATE:	12/06/2021		
CHECKED BY:	NAME:	DATE:			
PART NAME:	Plate Stack Subassembly			VOLUME:	0.965 (IN) ³



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL:	SCALE:	SIZE:	REV:	SHEET:
N/A	1:1	A	-	27 OF 30

2

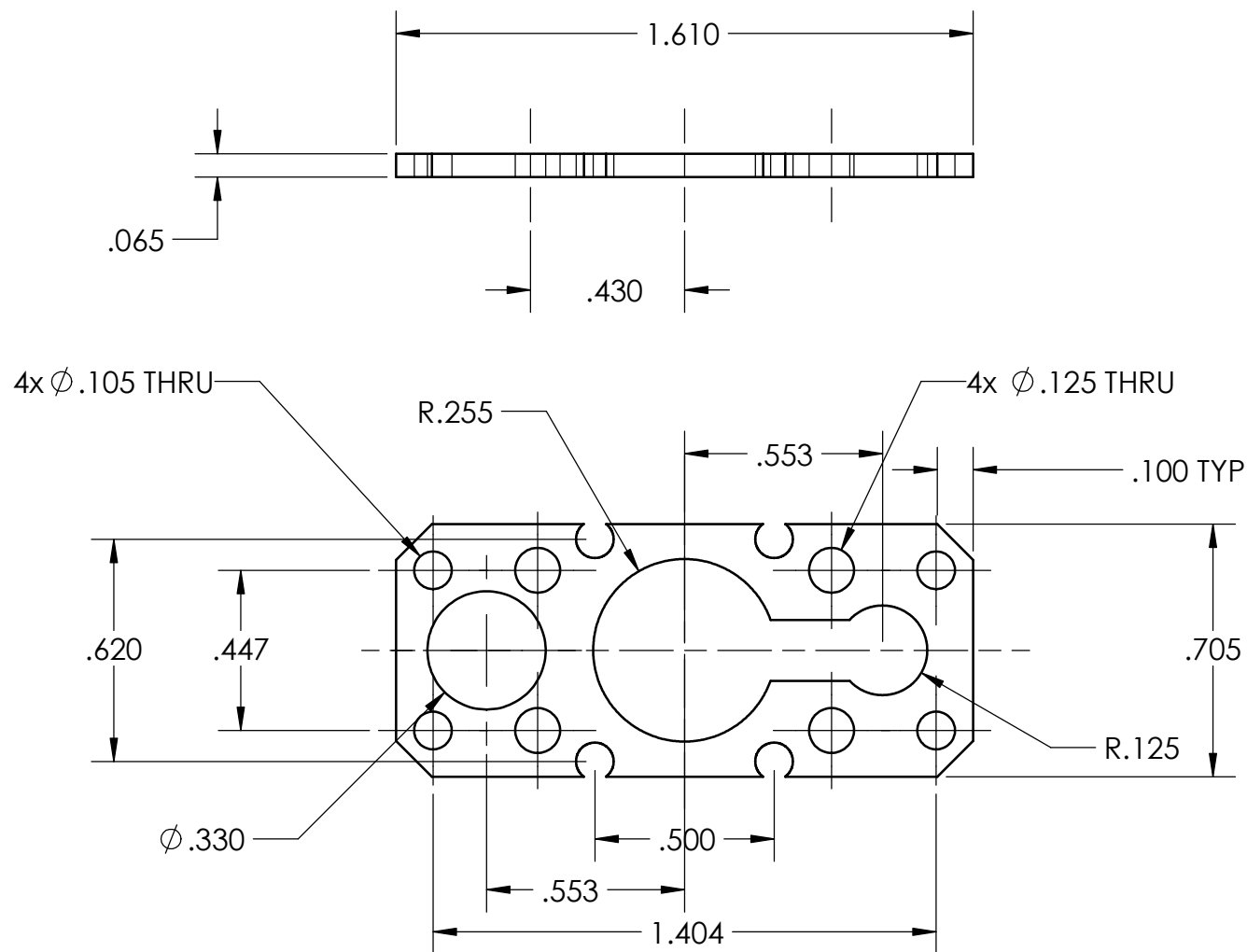
1

2

1

B

B



A

A

ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
 .XX $\pm .010$
 .XXX $\pm .005$
 .XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:
FA21

COURSE:
ETECH210-001

INSTRUCTOR:
PUCK

DRAWN BY: NAME: LOGAN HARTMAN

DATE: 12/7/2021

CHECKED BY: NAME:

DATE:

PART NAME:

CIRCLES no peg

VOLUME:

0.041 (IN)³



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT**

MATERIAL:

Material <not specified>

SCALE:

2:1

SIZE:

A

REV:

0

SHEET:

28 OF 30

2

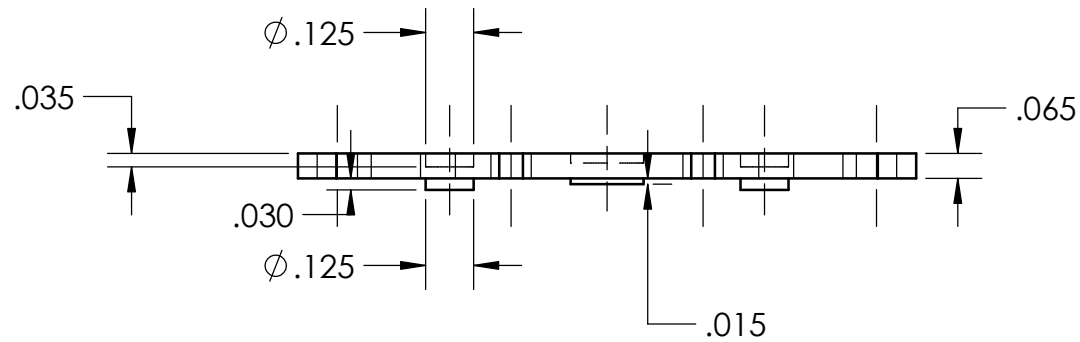
1

2

1

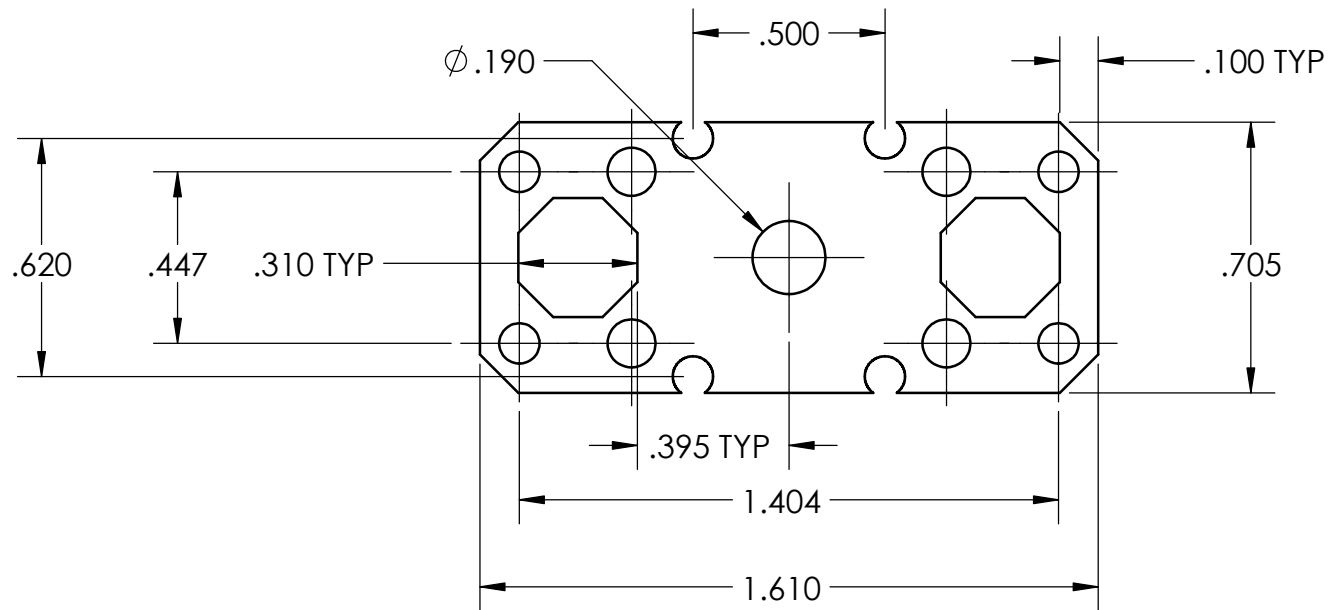
B

B



A

A



ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
.XX $\pm .010$
.XXX $\pm .005$
.XXXX $\pm .0005$

ASME Y14.5M 2018 APPLIES

TERM:
FA21

COURSE:
ETECH210-001

INSTRUCTOR:
PUCK

DRAWN BY: NAME: LOGAN HARTMAN

DATE: 12/7/2021

CHECKED BY: NAME:

DATE:

PART NAME:

OCTAGONS and PEG

VOLUME:

0.057 (IN)³



WISCONSIN POLYTECHNIC UNIVERSITY

COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT

MATERIAL:

Material <not specified>

SCALE:

2:1

SIZE:

A

REV:

0

SHEET:

29 OF 30

2

1

2

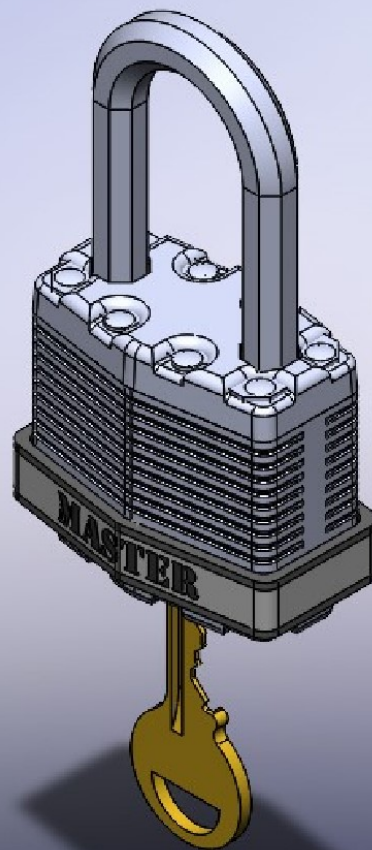
1

B

B

A

A



ALL DIMENSIONS IN INCHES
BREAK ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED

ANGULAR $\pm 2^\circ$ LINEAR .X $\pm .020$
 .XX $\pm .010$
 .XXX $\pm .005$
 .XXXX $\pm .0005$

ASME Y14.5M 1994 APPLIES

TERM:	COURSE:	INSTRUCTOR:
DRAWN BY:	NAME:	DATE:
CHECKED BY:	NAME:	DATE:
PART NAME:	VOLUME: (IN) ³	



**COLLEGE OF SCIENCE, TECHNOLOGY,
ENGINEERING, MATHEMATICS, AND
MANAGEMENT.**

MATERIAL:	SCALE: 1:2	SIZE: A	REV:	SHEET: 30 OF 30
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2

1