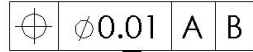
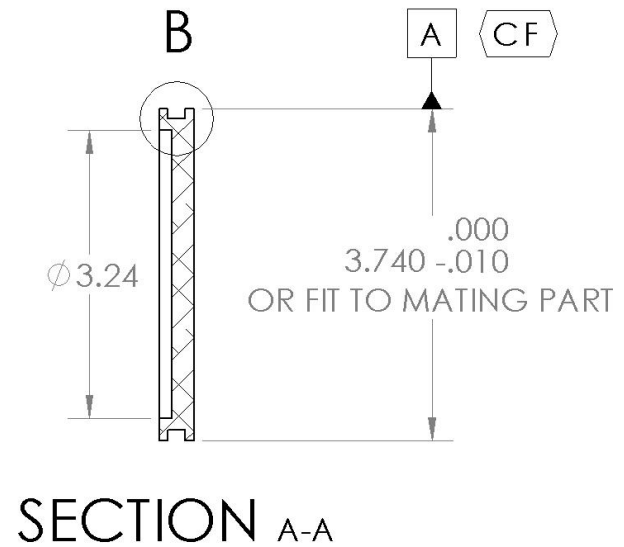
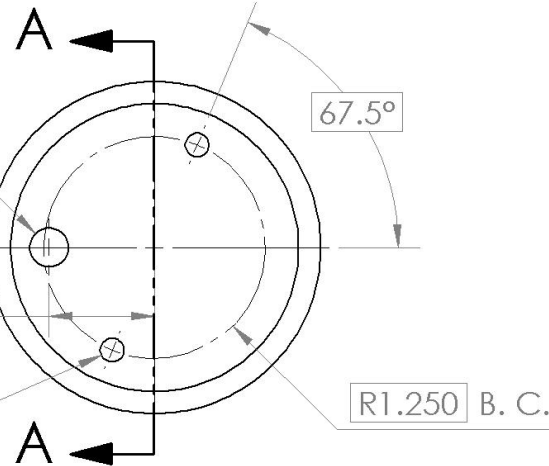


($\phi .438$) ∇ THRU
TAP 1/4-18NPT



C

1.188



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DIMENSIONS ARE IN INCHES
TOLERANCES:

.X $\pm .100$
.XX $\pm .020$
.XXX $\pm .005$
ANGULAR: ± 1 DEG

MATERIAL:
6061-T6 Al

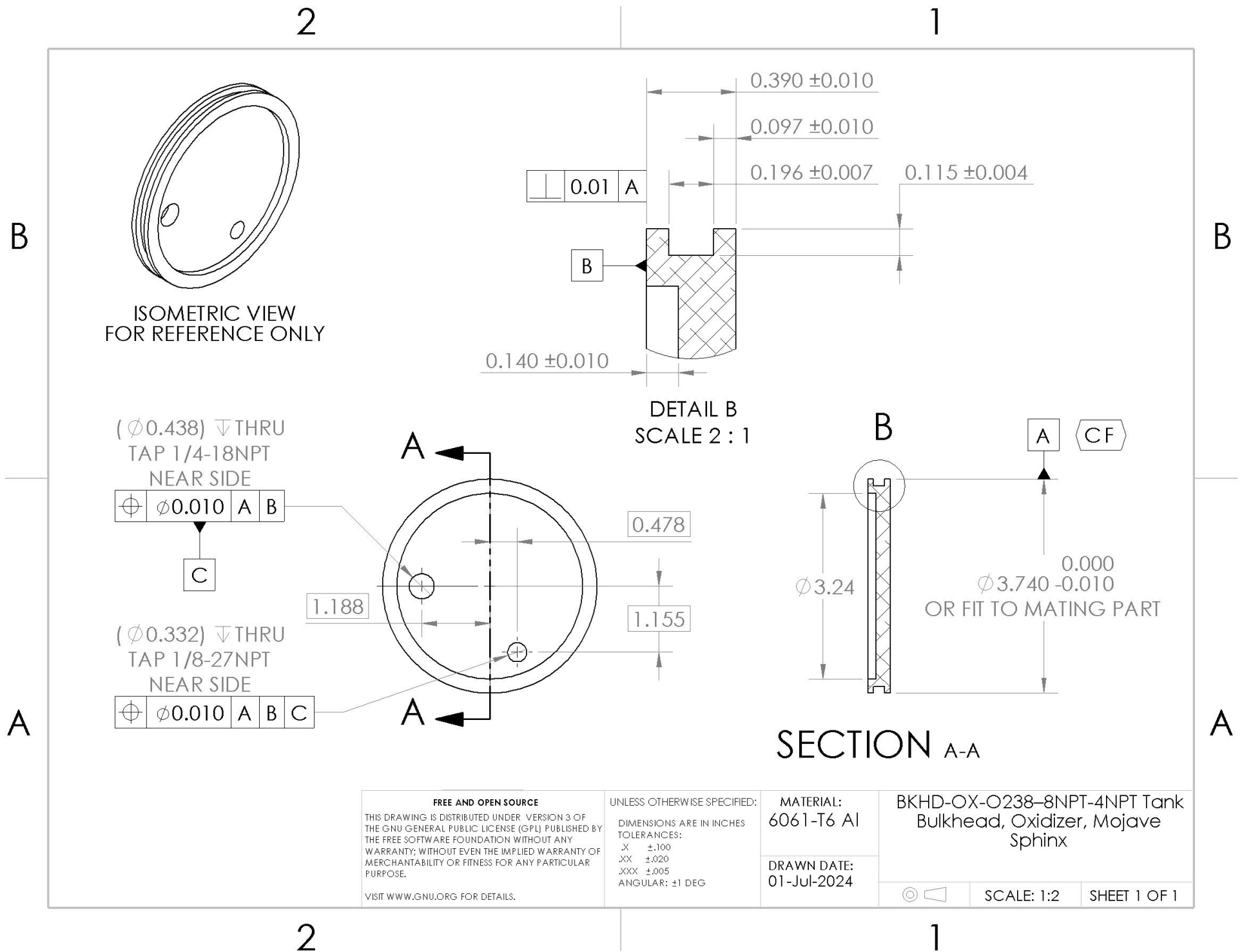
DRAWN DATE:
01-Jul-2024

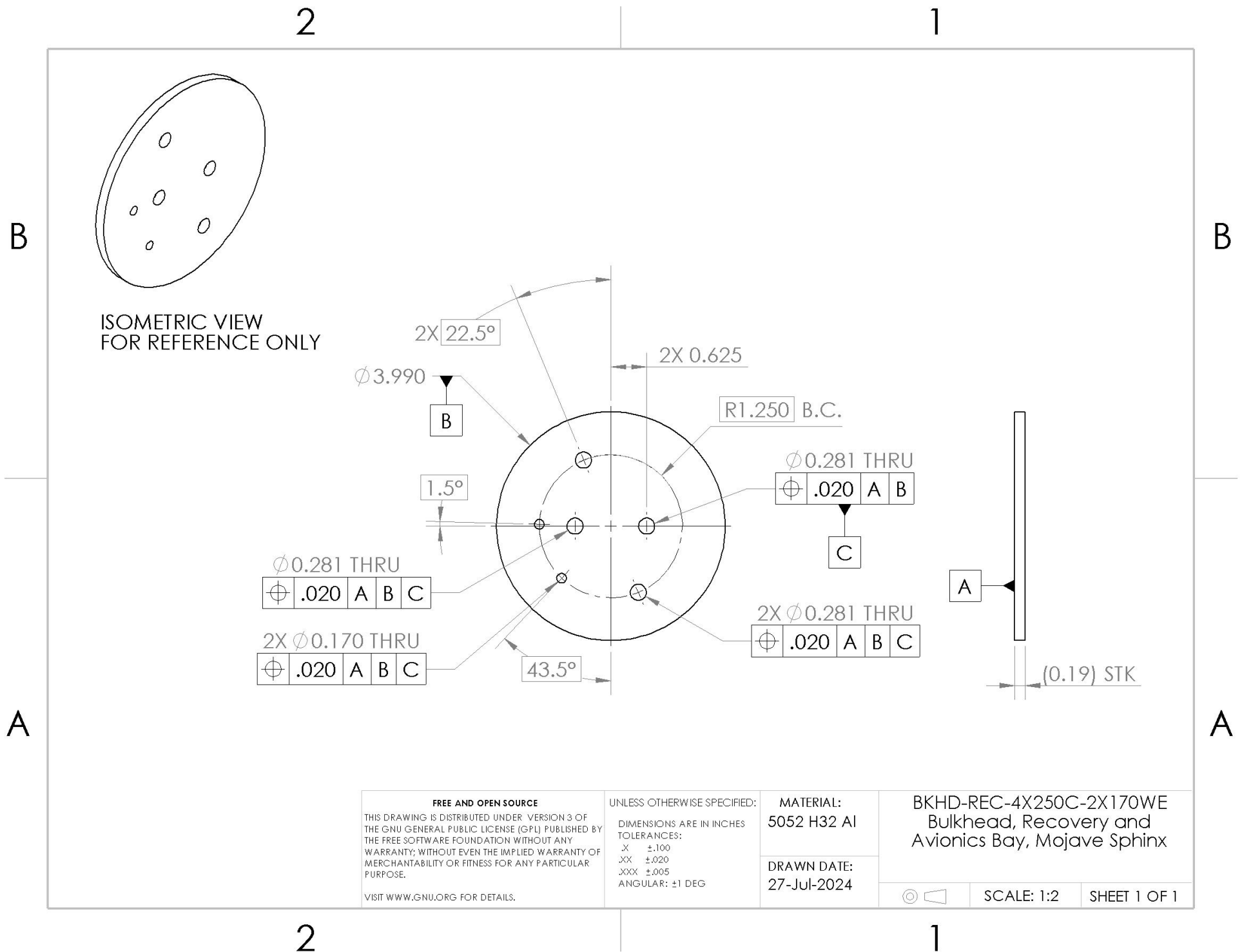
BKHD-FL-O238-4NPT-2X250C
Tank Bulkhead, Fuel, Mojave
Sphinx



SCALE: 1:2

SHEET 1 OF 1



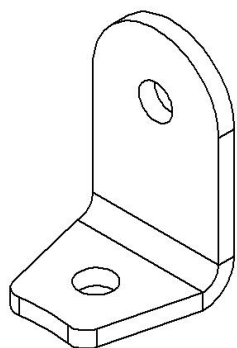


2

1

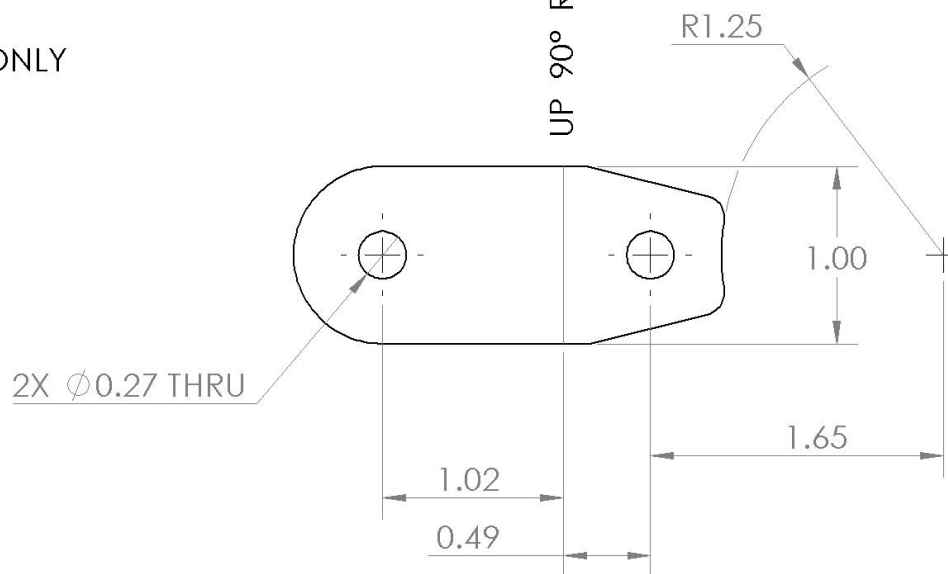
B

B



ISOMETRIC VIEW
FOR REFERENCE ONLY

UP 90° R.13



A

A

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TOLERANCES:

.X ±.100
.XX ±.020
.XXX ±.005
ANGULAR: ±1 DEG

MATERIAL:
5052-H32 Al

DRAWN DATE:
01-Jul-2024

BRKT-90A-125T-2X250C Bracket,
Thrust Chamber Mounting,
Mojave Sphinx



SCALE: 1:1

SHEET 1 OF 1

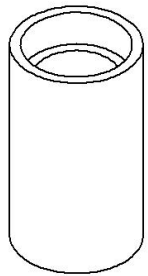
2

1

2

1

B



ISOMETRIC VIEW
FOR REFERENCE
ONLY

($\phi 3.00$) STK

$5.25 \pm .06$

A

A

B

0.01 A

0.01 A

A

$\phi 2.510$

($\phi 2.00$) STK

.87

SECTION A-A

B

A

A

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DIMENSIONS ARE IN INCHES
TOLERANCES:

.X $\pm .100$

.XX $\pm .020$

.XXX $\pm .005$

ANGULAR: ± 1 DEG

MATERIAL:
6061-T6 Al

DRAWN DATE:
01-Jul-2024

CMBR-200DI-250B-525L
Combustion Chamber, Mojave
Sphinx



SCALE: 1:2

SHEET 1 OF 1

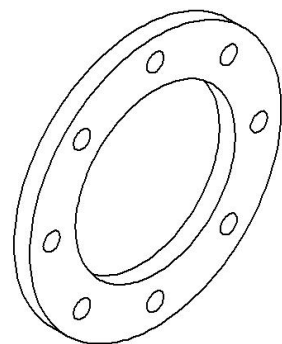
2

1

2

1

B



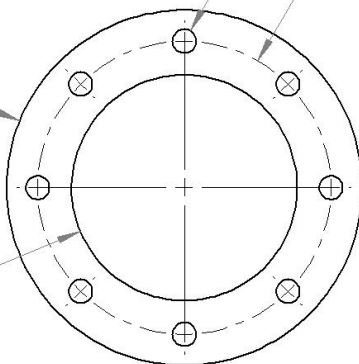
ISOMETRIC VIEW
FOR REFERENCE ONLY

8X ϕ .266 THRU
EQUALLY SPACED

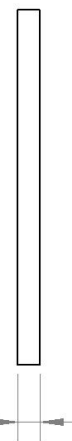
R1.65 B. C.

ϕ 4.00

ϕ 2.54



(0.25) STK



B

A

A

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DIMENSIONS ARE IN INCHES
TOLERANCES:

.X \pm .100
.XX \pm .020
.XXX \pm .005
ANGULAR: \pm 1 DEG

MATERIAL:
A36 OR A1008
OR A1018
MILD STEEL

DRAWN DATE:
01-Jul-2024

FLNG-ST-25T-8X250C Flange
Plate, Thrust Chamber, Mojave
Sphinx



SCALE: 1:2

SHEET 1 OF 1

2

1

2

1

B

B

A

A

TOP VIEW

BOTTOM VIEW

2X (ϕ .332)
 ∇ AS SHOWN
 TAP 1/8-27NPT

ϕ 0.010 A B

(ϕ .562) ∇ .50
 TAP 3/8-18NPT

ϕ 0.010 A B

.500 \pm .010

2X .085

.060 \pm .010

5X .100

.125

.125

.40

.23

2X .150

DETAIL B

SCALE 2:1

.900

ϕ 2.500

A

ϕ .136 ∇ .70

ϕ 0.010 A C

X ϕ OXIDIZER
 EQUALLY SPACED

∇ .44

ϕ 0.010 A C

ϕ .20 ∇ THRU
 1/4-20 UNC THRU

X ϕ FUEL
 EQUALLY SPACED
 THRU 1 WALL

ϕ 0.010 A C

R.250 B. C.

R.800 B. C

.825 \pm .020

B

SECTION A-A

0.010 A

B

.60

(.50)

C

0.010 A

ϕ 2.00

DRILL POINT OPTIONAL
 118°-135° ACCEPTABLE

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UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
 TOLERANCES:

.X \pm .100

.XX \pm .020

.XXX \pm .005

ANGULAR: \pm 1 DEG

MATERIAL:
 6061-T6 Al

DRAWN DATE:
 01-Jul-2024

INJC-2X8NPT-38NPT-250T20-
 2XO230-GENERIC Injector,
 Generic Orifice Pattern, Mojave
 Sphinx

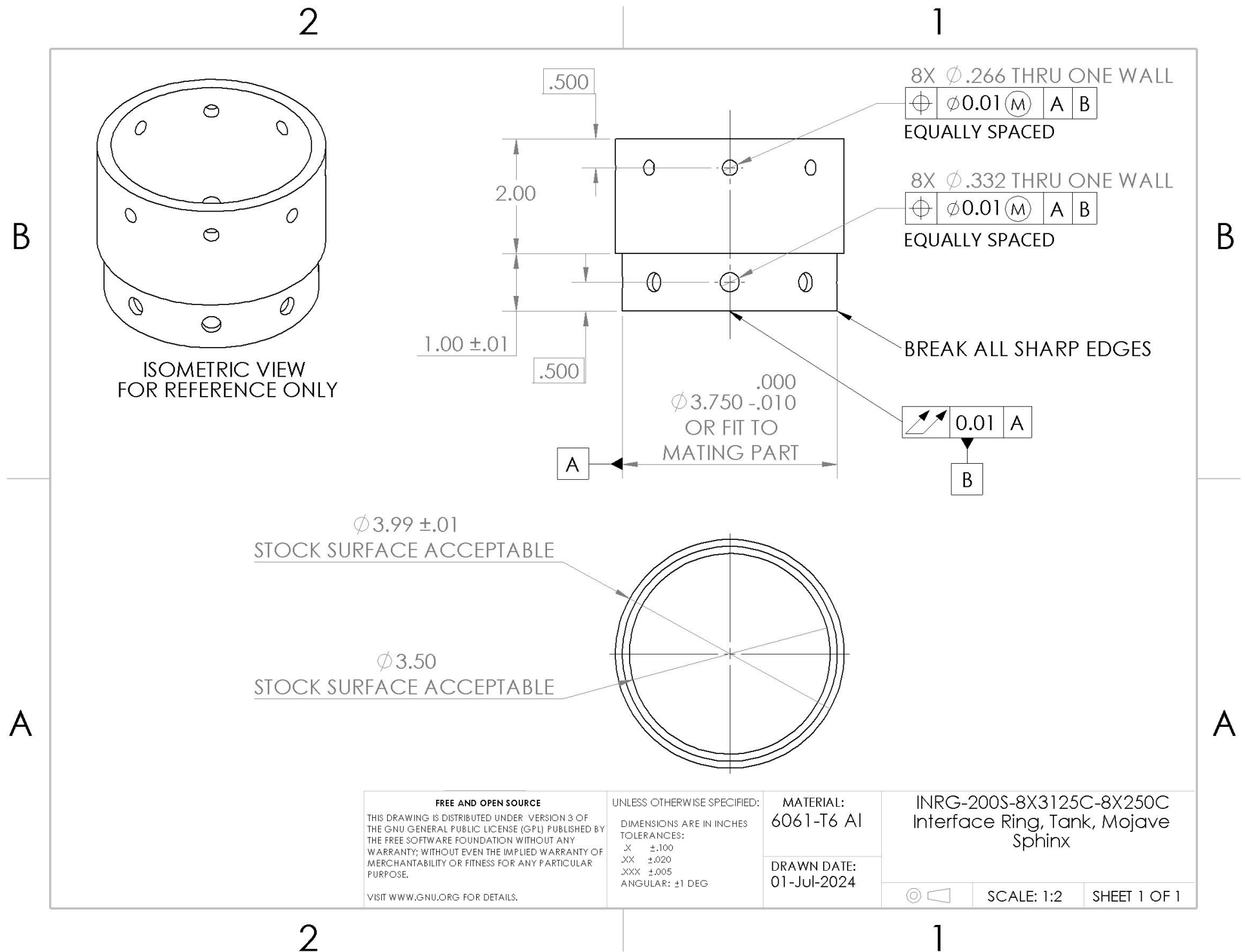


SCALE: 1:1

SHEET 1 OF 1

2

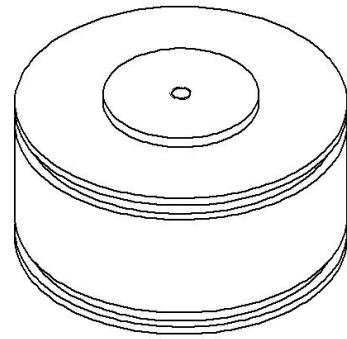
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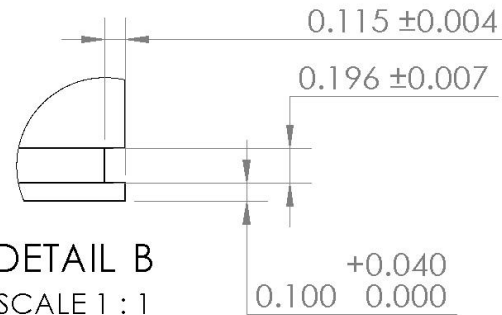
2

1

B



ISOMETRIC VIEW
FOR REFERENCE ONLY



DETAIL B
SCALE 1 : 1
2X SEAL GLANDS

B

($\varnothing 0.201$)
TAP 1/4-20 UNC
MIN $\nabla .200$
 $\varnothing 0.010$ A B

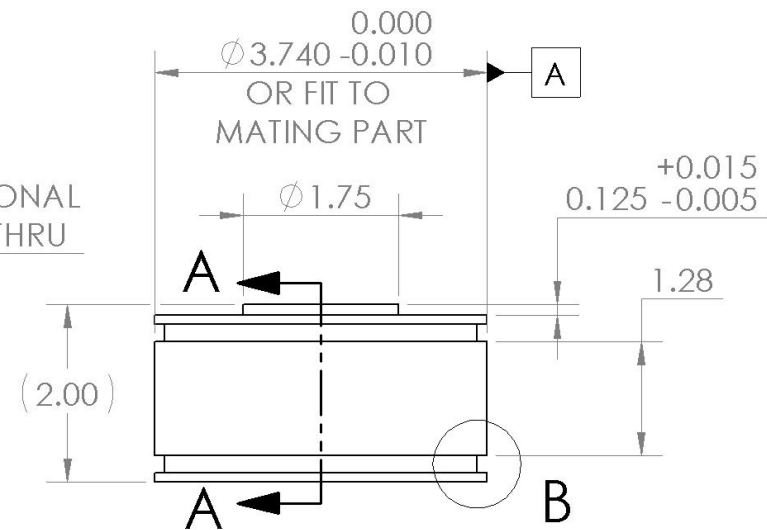
0.010 A
B

0.32
DRILL POINT OPTIONAL
DO NOT BREAK THRU

1.50

 $\varnothing 3.24$

SECTION A-A



A

A

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TOLERANCES:

.X $\pm .100$
.XX $\pm .020$
.XXX $\pm .005$
ANGULAR: ± 1 DEG

MATERIAL:
6061-T6 Al

DRAWN DATE:
01-Jul-2024

PSTN-2XO238-250T20 Propellant
Piston, Mojave Sphinx

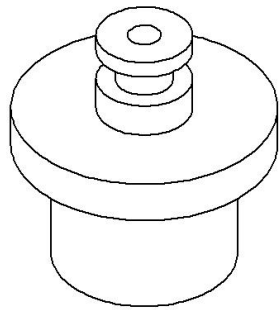


SCALE: 1:2

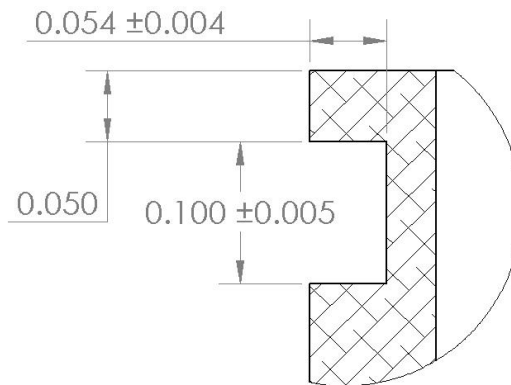
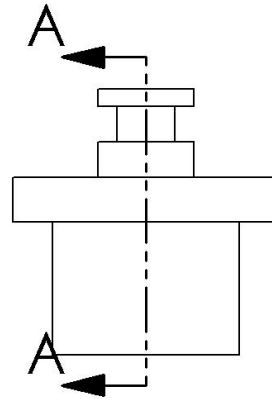
SHEET 1 OF 1

2

1

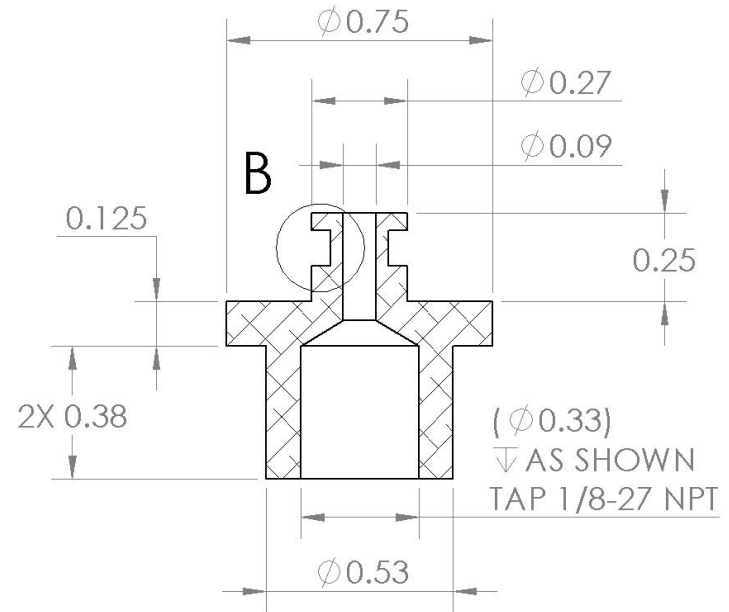


ISOMETRIC VIEW
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DETAIL B

SCALE 8 : 1



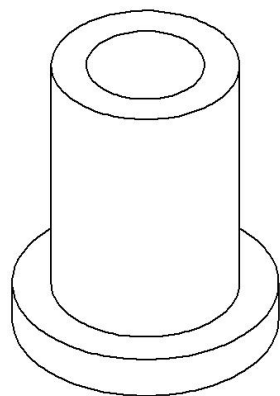
SECTION A-A

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			<p>SCALE: 2:1</p> <p>SHEET 1 OF 1</p>

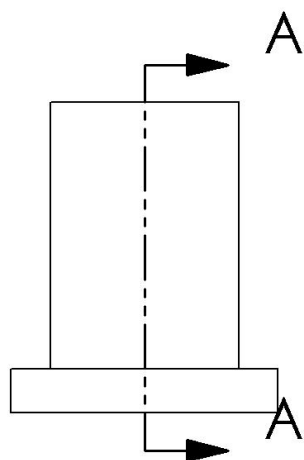
2

1

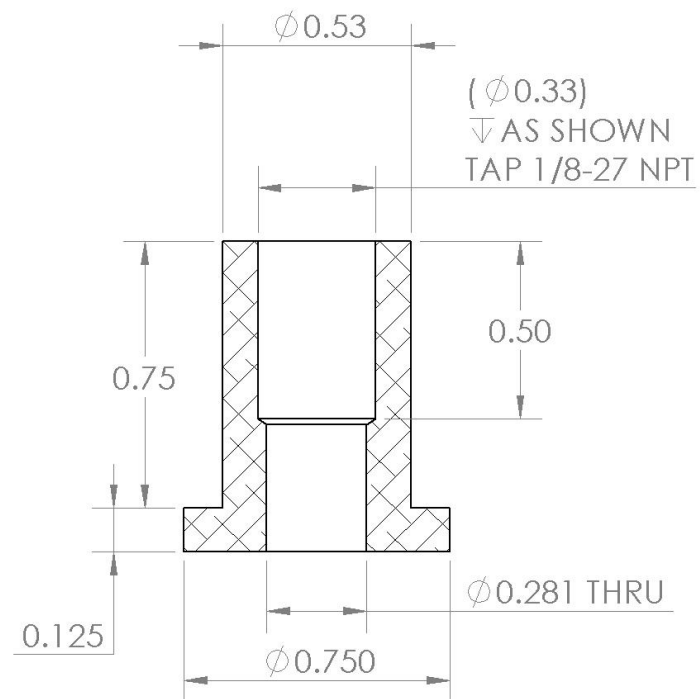
B



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A



B

SECTION A-A

A

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TOLERANCES:

.X $\pm .100$
.XX $\pm .020$
.XXX $\pm .005$
ANGULAR: ± 1 DEG

MATERIAL:
6061-T6 Al

DRAWN DATE:
02-Jul-2024

QDC-750X125FLG-281FB-8NPT
Quick Disconnect, Female,
Mojave Sphinx

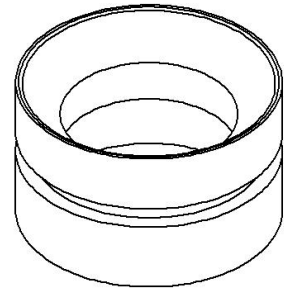


SCALE: 2:1

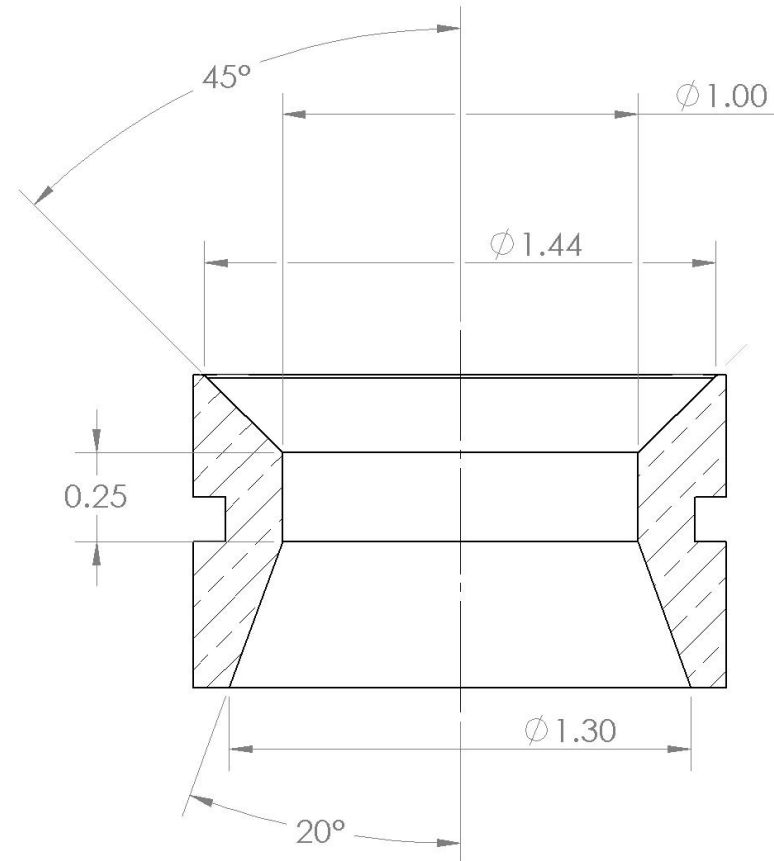
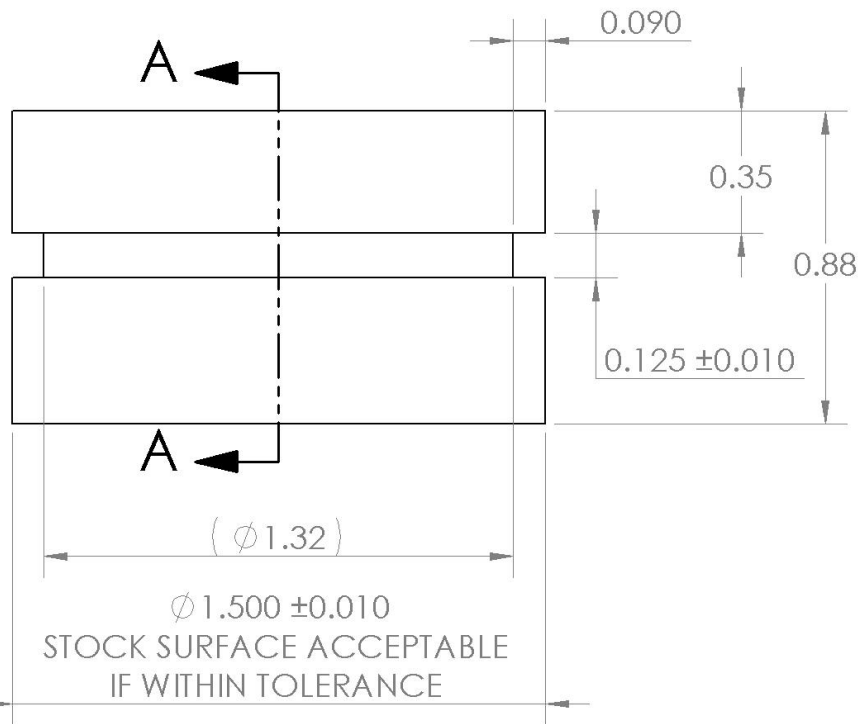
SHEET 1 OF 1

2

1



ISOMETRIC VIEW
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SECTION A-A
SCALE 2 : 1

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DIMENSIONS ARE IN INCHES
TOLERANCES:
.X $\pm .100$
.XX $\pm .020$
.XXX $\pm .005$
ANGULAR: ± 1 DEG

MATERIAL:
Copper
(Any Grade)

DRAWN DATE:
01-Jul-2024

THRT-45C20D-100T Throat Insert,
Spring Retained, Mojave Sphinx



SCALE: 1:1

SHEET 1 OF 1