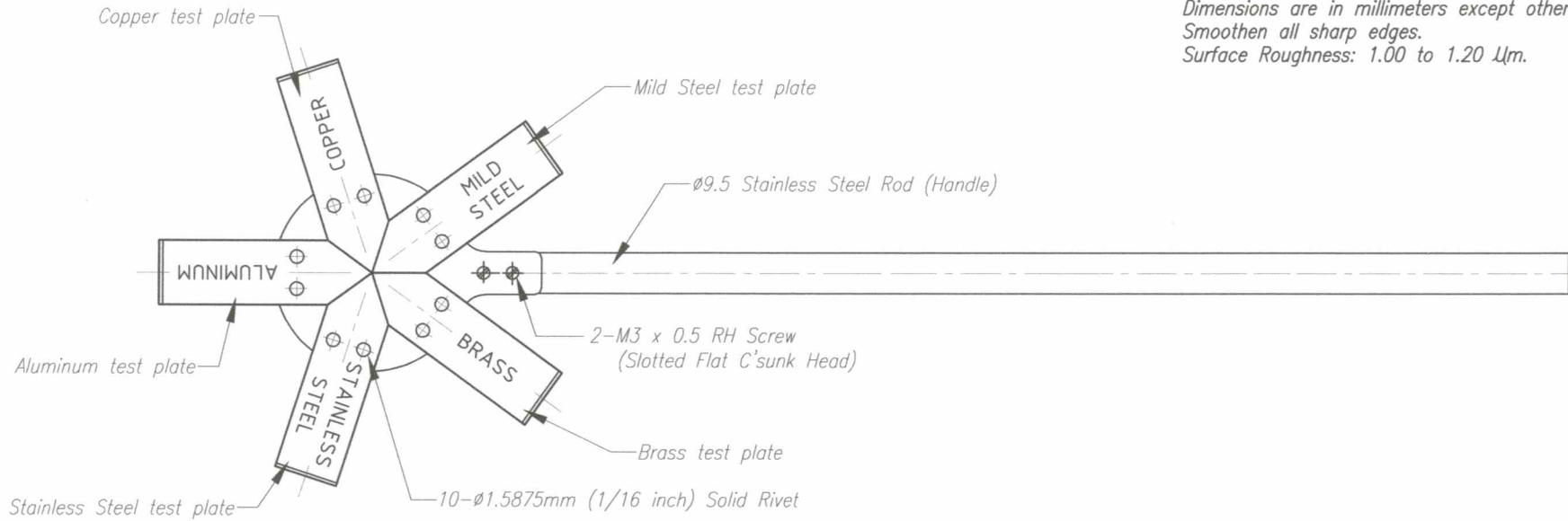


CHEMISTRY

Dimensions are in millimeters except otherwise specified.
 Smoothen all sharp edges.
 Surface Roughness: 1.00 to 1.20 μm .



TOP VIEW

FRONT VIEW

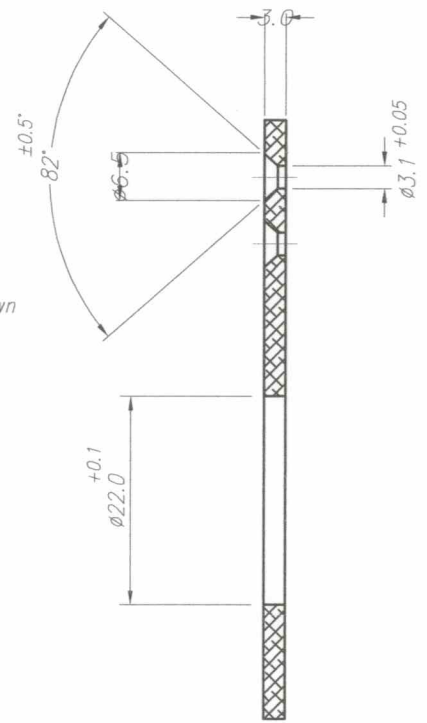
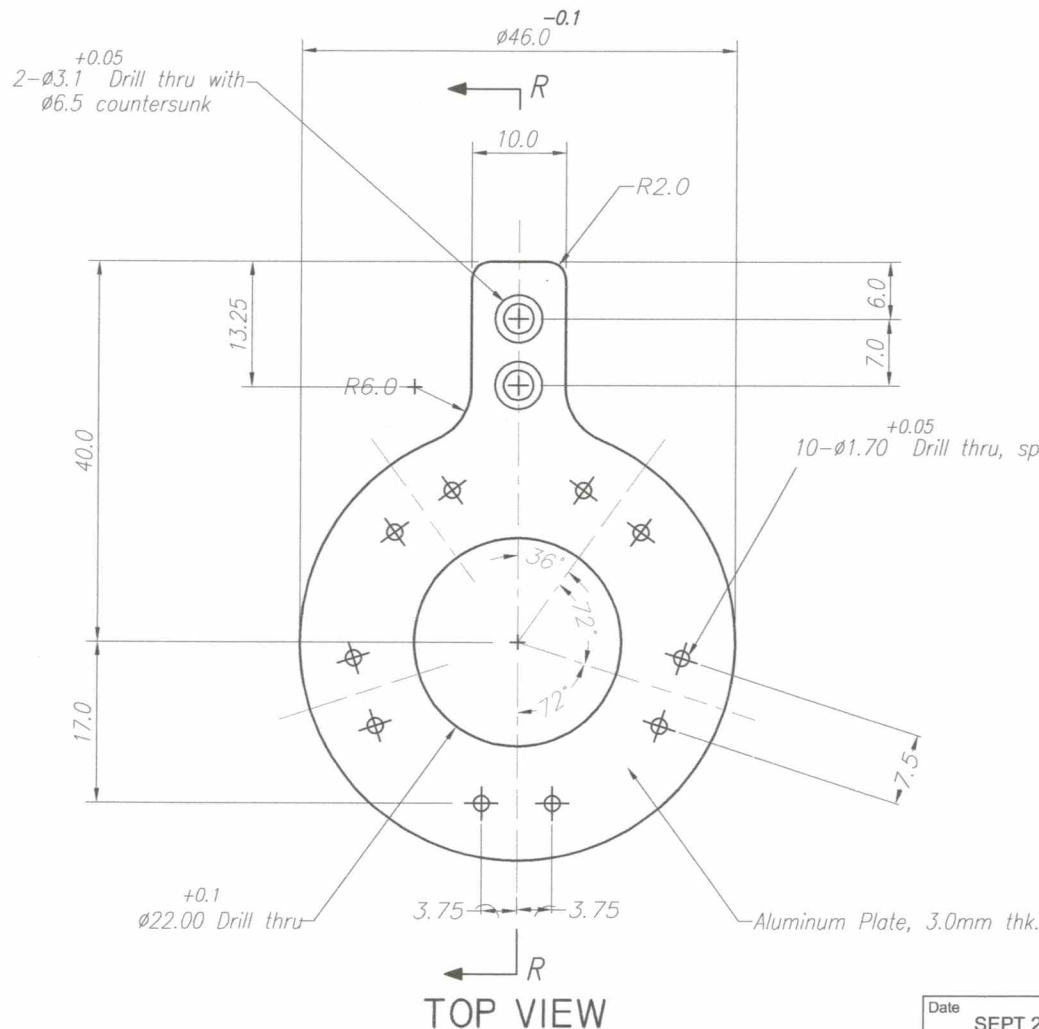
GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	HEAT CONDUCTIVITY APPARATUS	
Conceptualized by					
Drawn by	B.C. Lisonora			Item Name	ASSEMBLY
Designed by	C.G. Checked by			Material	(AS SHOWN)
	J.N. Arioja			File name	heatCon02
Recommended by	A.B. Ybañez			DepED-BLR	
Approved by	R. C. La Rosa				

TOLERANCES FOR LENGTH GAUGING						SYM	REVISION	DATE	BY
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120				
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50			
TOLERANCES FOR RADIUS & CHAMFERS						SYM	REVISION	DATE	BY
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120				
Smooth Medium		± 0.20	± 0.50	± 1.00	± 2.00				

CHEMISTRY

Dimensions are in millimeters except otherwise specified.
 Smoothen all sharp edges.
 Surface Roughness: 1.00 to 1.20 μm .



SECTION R-R

GOVERNMENT PROPERTY

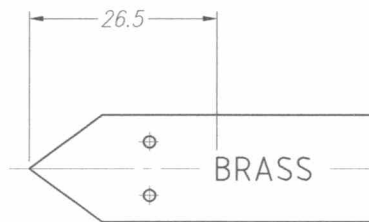
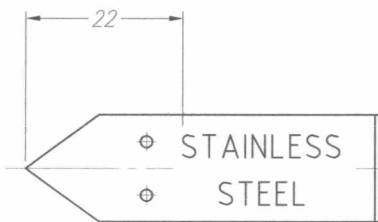
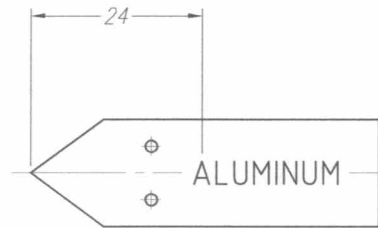
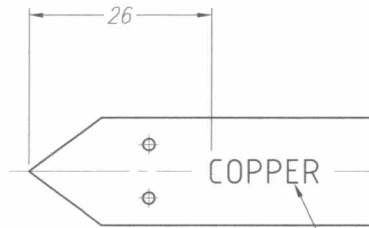
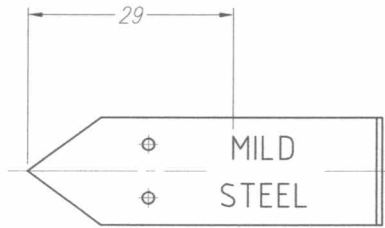
Date	SEPT 2021	Scale	NTS
Conceptualized by			
Drawn by	B.C. Lisondra	Item Name	HEATING RING
Designed by	J.N. Arida	Material	3MM THK. ALUM PLATE
Q.C. Checked by		File name	heatCon02
Recommended by	A.B. Ybañez	DepED-BLR	
Approved by	R. C. La Rosa		

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50

TOLERANCES FOR RADIUS & CHAMFERS					
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth		± 0.20	± 0.50	± 1.00	± 2.00
Medium		± 0.20	± 0.50	± 1.00	± 2.00

SYM	REVISION	DATE	BY

CHEMISTRY



Dimensions are in millimeters except otherwise specified.
 Smoothen all sharp edges.
 Surface Roughness: 1.00 to 1.20 μm .

Punched Name
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GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	HEAT CONDUCTIVITY APPARATUS	
Conceptualized by					
Drawn by	B.C. Lisondra			Item Name	TEST PLATE
Designed by	C.C. Checked by			Material	(AS SHOWN)
	J.N. Arida			File name	heatCon02
Recommended by	A.B. Ybañez			DepED-BLR	
Approved by	R. C. La Rosa				

TOLERANCES FOR LENGTH GAUGING

Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50

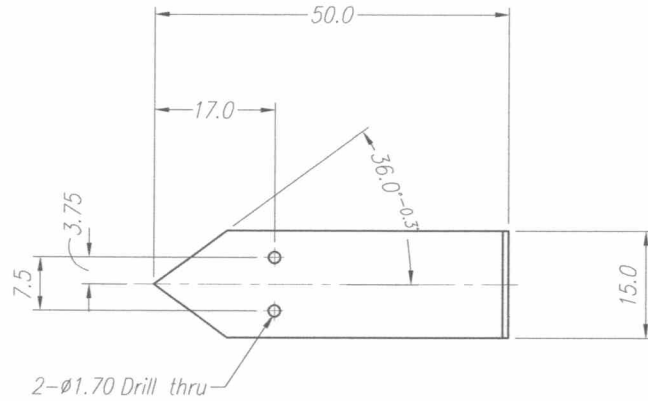
TOLERANCES FOR RADIUS & CHAMFERS

Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth Medium		± 0.20	± 0.50	± 1.00	± 2.00

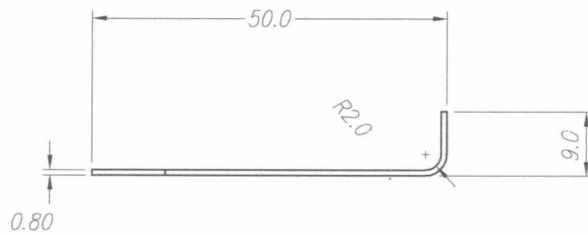
SYM	REVISION	DATE	BY

CHEMISTRY

Dimensions are in millimeters except otherwise specified.
 Smoothen all sharp edges.
 Surface Roughness: 1.00 to 1.20 μm .



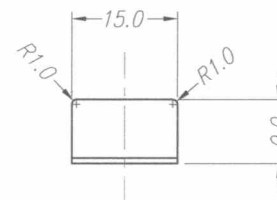
TOP VIEW



FRONT VIEW

Materials:

- 1 pc. Mild Steel
- 1 pc. Brass
- 1 pc. Copper
- 1 pc. Aluminum
- 1 pc. Stainless Steel



RIGHT SIDE VIEW

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	HEAT CONDUCTIVITY APPARATUS	
Conceptualized by					
Drawn by	B.C. Lisondra		Item Name	TEST PLATE	
Designed by			Q.C. Checked by	Material (AS SHOWN)	
			J.N. Arjoja	File name heatCon02	
Recommended by	A.B. Ybañez		DepED-BLR		
Approved by	R. C. La Rosa				

TOLERANCES FOR LENGTH GAUGING

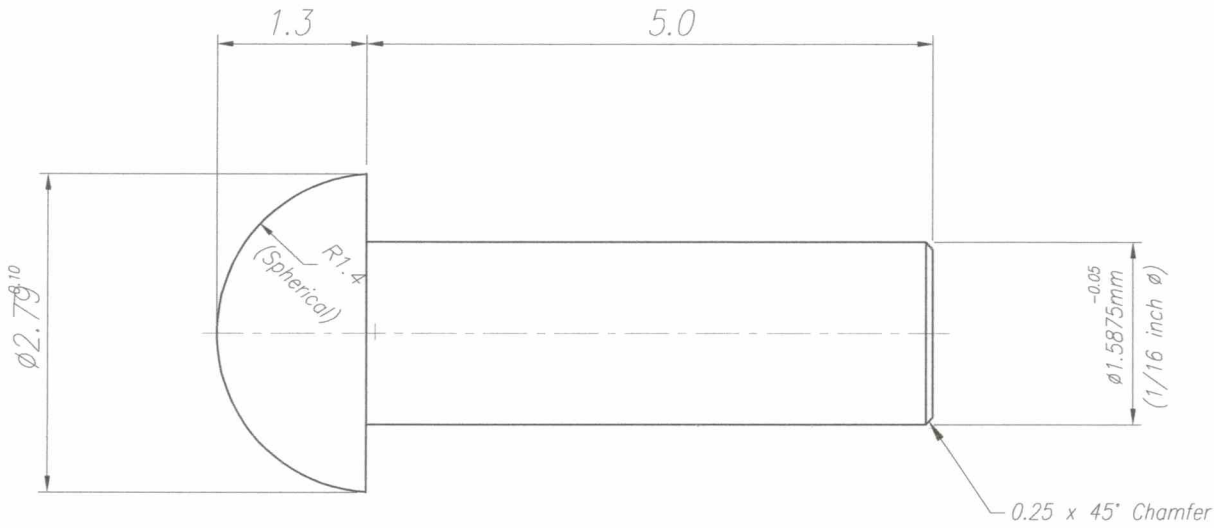
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50

TOLERANCES FOR RADIUS & CHAMFERS

Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth Medium		± 0.20	± 0.50	± 1.00	± 2.00

SYM.	REVISION	DATE	BY

CHEMISTRY



GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS
Conceptualized by			
Drawn by	B.C. Lisondra	Item Name	HEAT CONDUCTIVITY APPARATUS
Designed by		Material	TEST PLATE - RIVET
Q.C. Checked by	J.N. Arjoja	File name	BRONZE
Recommended by	A.B. Ybañez	DepED-BLR	
Approved by	R. C. La Rosa		

TOLERANCES FOR LENGTH GAUGING

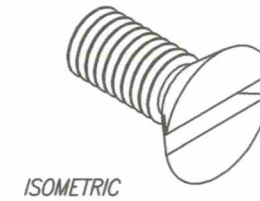
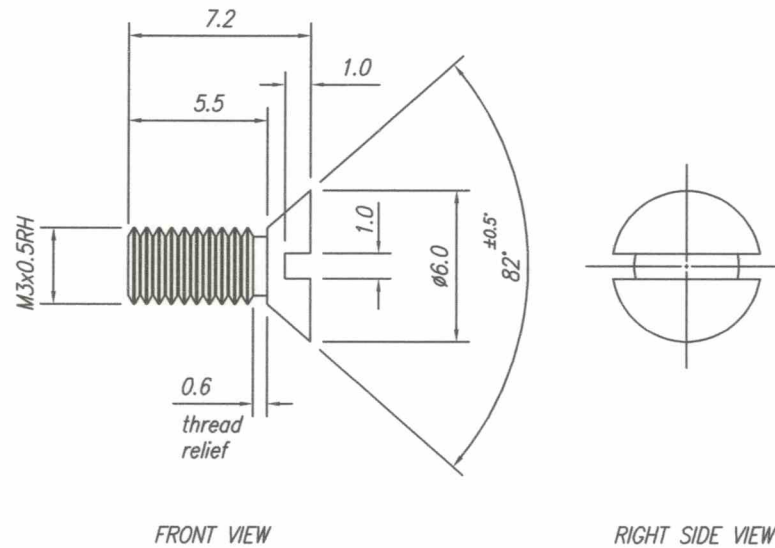
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50

TOLERANCES FOR RADIUS & CHAMFERS

Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth Medium		± 0.20	± 0.50	± 1.00	± 2.00

SYM REVISION DATE BY

CHEMISTRY



ISOMETRIC

*Dimensions are in millimeters
except otherwise specified.
*Smoothen sharp edges.
*Surface Roughness: 1.0 to 1.2 μm .

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	HEAT CONDUCTIVITY APPARATUS	
Conceptualized by					
Drawn by	B.C. Lisondra	Q.C. Checked by	J.N. Arriola	Material	File name
Designed by				STAINLESS STEEL 304	heatConhandle
Recommended by	A.B. Ybañez			DepED-BLR	
Approved by	R. C. La Rosa				

TOLERANCES FOR LENGTH GAUGING						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50
TOLERANCES FOR RADIUS & CHAMFERS						
Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	
Smooth Medium		± 0.20	± 0.50	± 1.00	± 2.00	
SYM	REVISION	DATE	BY			

CHEMISTRY

A

B

C

D

A

B

C

D

±0.03
∅9.5

TOP VIEW

2-M3 X 0.5 RH Tap thru
(spaced as shown)

7.0
3.0

*Dimensions are in millimeters
except otherwise specified.
*Smoothen sharp edges.
*Surface Roughness: 1.0 to 1.2 μm.

260

1 x 45° Chamfer

16

4.75

FRONT VIEW

1 x 45° Chamfer

RIGHT SIDE VIEW

GOVERNMENT PROPERTY

Date	SEPT 2021	Scale	NTS	HEAT CONDUCTIVITY APPARATUS	
Conceptualized by				Item Name	HANDLE
Drawn by	B.C. Lisondra			Material	STAINLESS STEEL 304
Designed by	Q.C. Checked by			File name	heatConhandle
	J.N. Arjoja			DepED-BLR	
Recommended by	A.B. Ybañez				
Approved by	R. C. La Rosa				

TOLERANCES FOR LENGTH GAUGING

Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120	Over 120 to 400
Medium		± 0.10	± 0.10	± 0.20	± 0.30	± 0.50

TOLERANCES FOR RADIUS & CHAMFERS

Grade of Accuracy	Nominal Size	0.5 to 3	Over 3 to 6	Over 6 to 30	Over 30 to 120
Smooth Medium		± 0.20	± 0.50	± 1.00	± 2.00

SYM	REVISION	DATE	BY

1

2

3

4

6