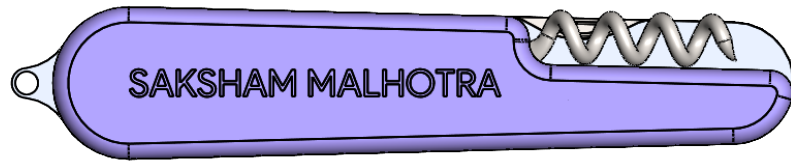


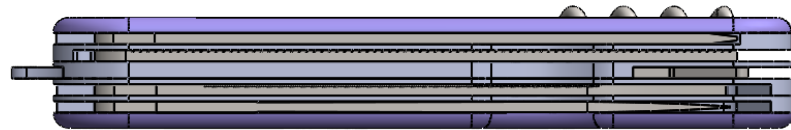
2

1

B

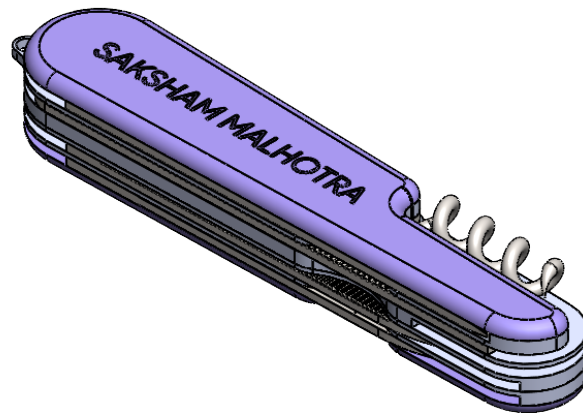


B



A

A



TITLE:

Utility Tool

NAME:

Saksham Malhotra

STUDENT #:

20662268

SCALE: 1:1

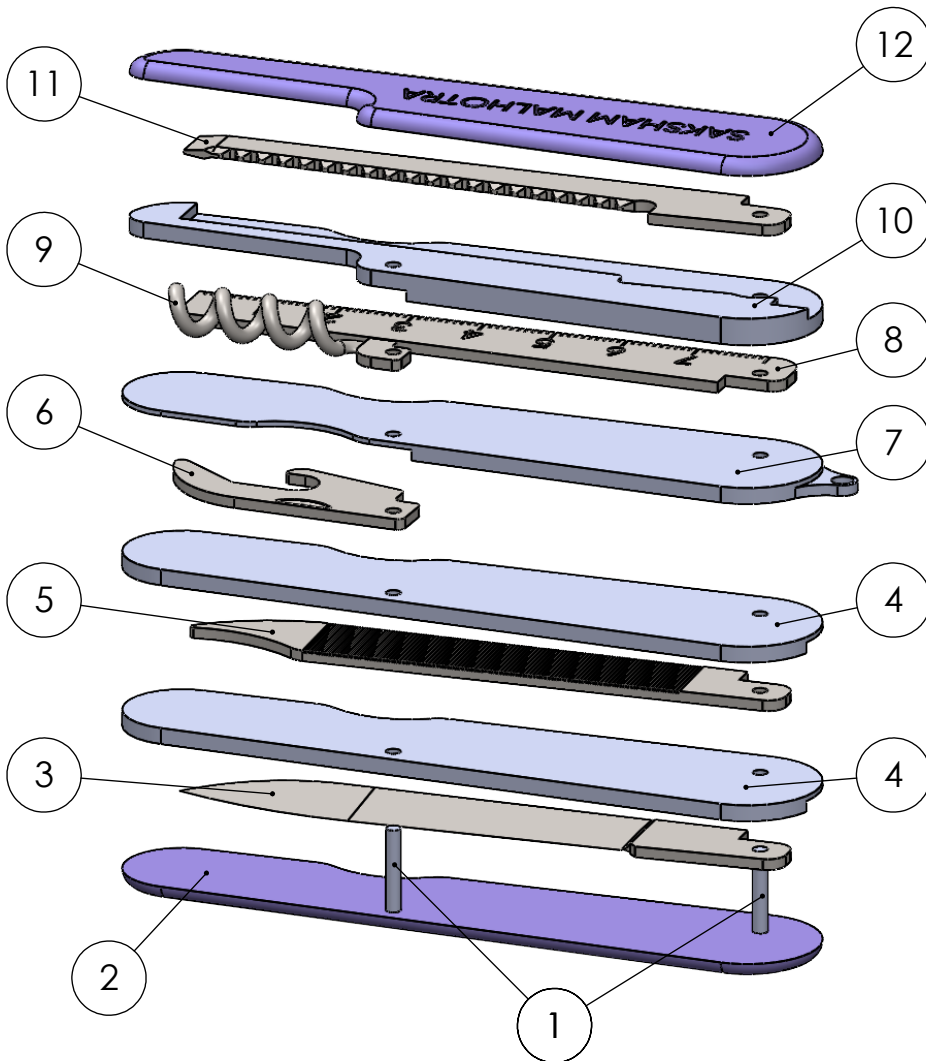
ME 555

SHEET 1 OF 14

2

1

B



A

Part #	Part Name	Material	QTY.
1	Pin	Aluminum	2
2	Outter Shell Front	Aluminum	1
3	Large Knife	Stainless Steel	1
4	Separator 1	Aluminum	2
5	File Tool	Stainless Steel	1
6	Bottle Opener	Stainless Steel	1
7	Separator 2	Aluminum	1
8	Ruler	Stainless Steel	1
9	Corkscrew	Stainless Steel	1
10	Separator 3	Aluminum	1
11	Saw Knife	Stainless Steel	1
12	Outter Shell Back	Aluminum	1

B

A

TITLE:

Utility Tool B.O.M.

NAME:

Saksham Malhotra

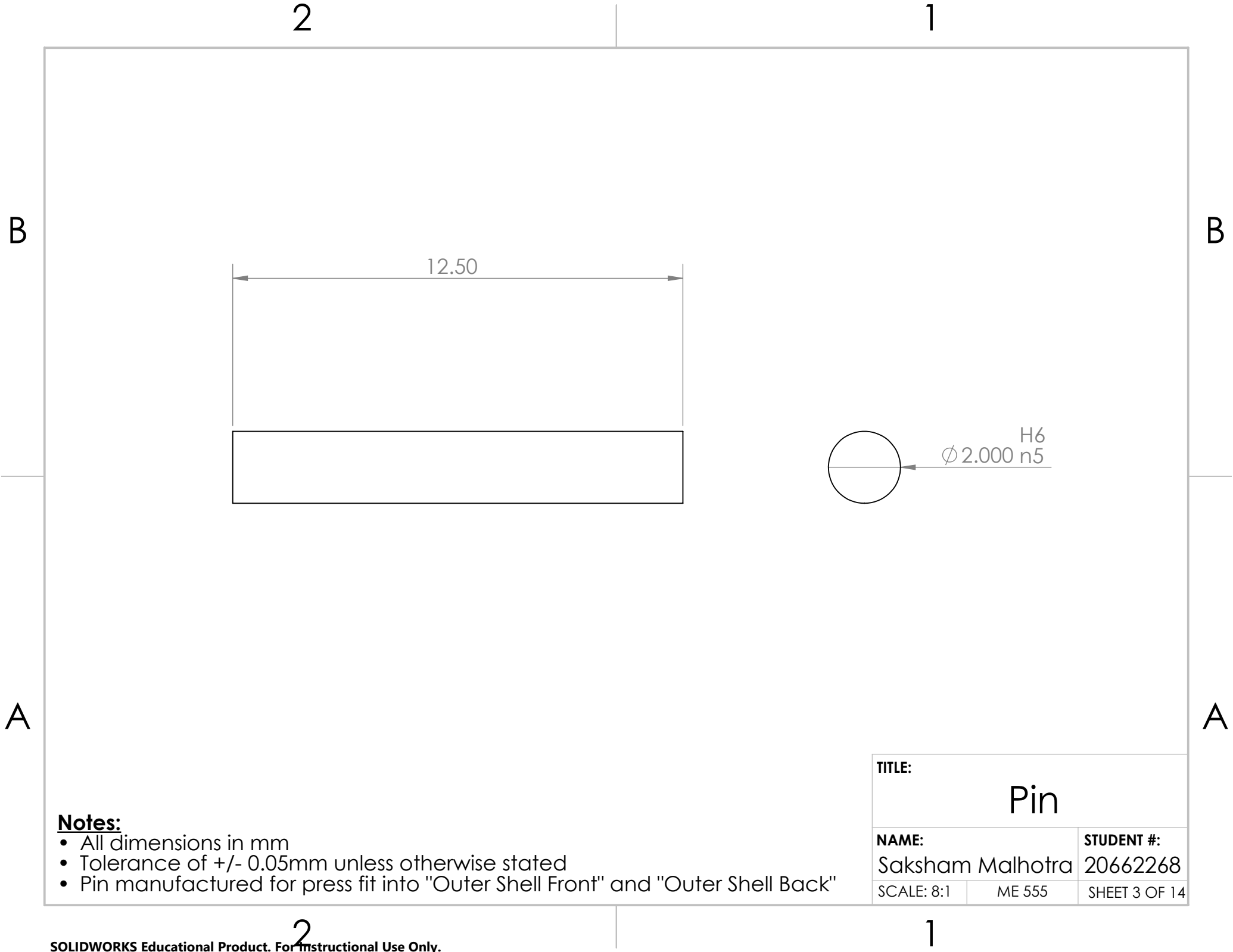
STUDENT #:

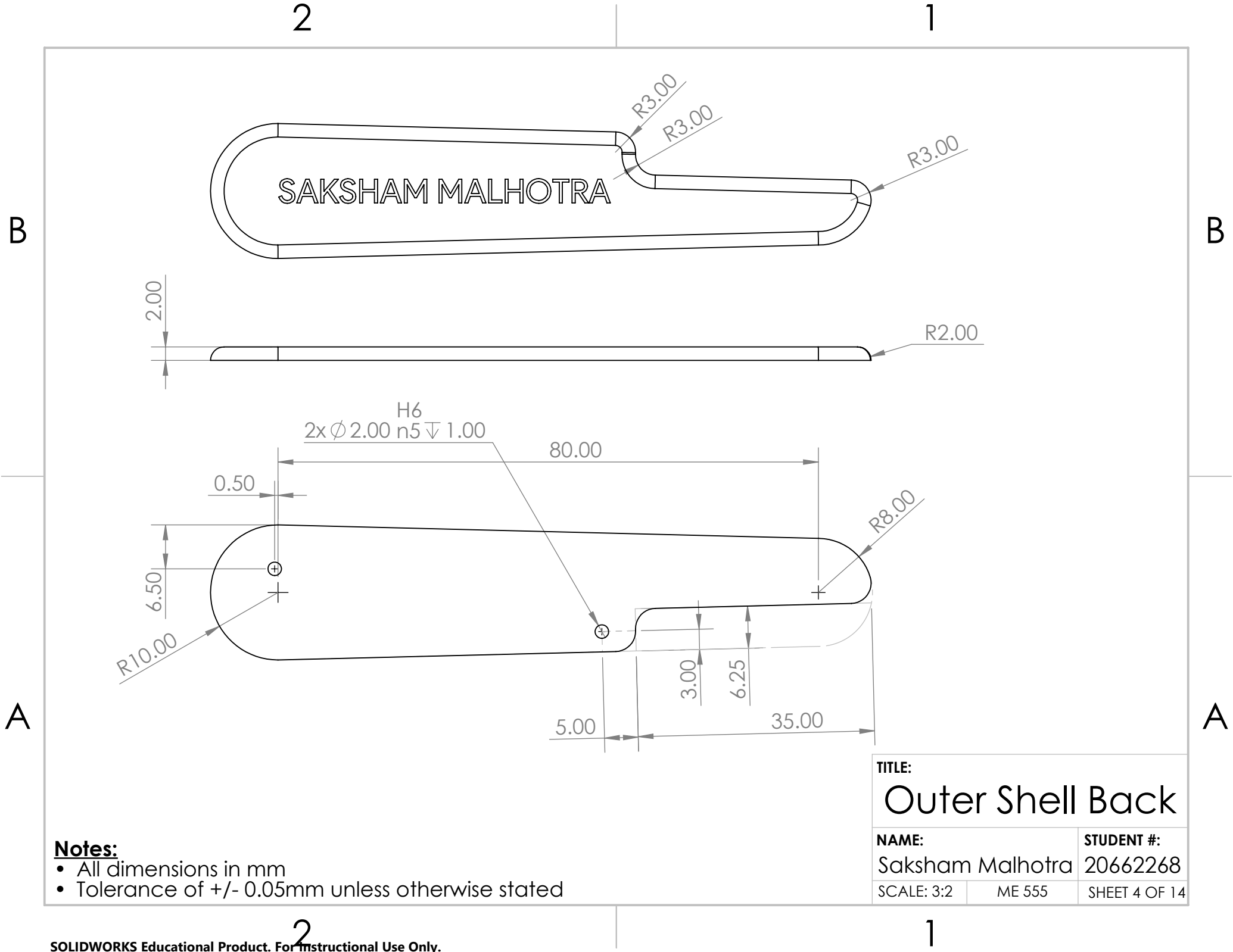
20662268

SCALE: 1:1

ME 555

SHEET 2 OF 14

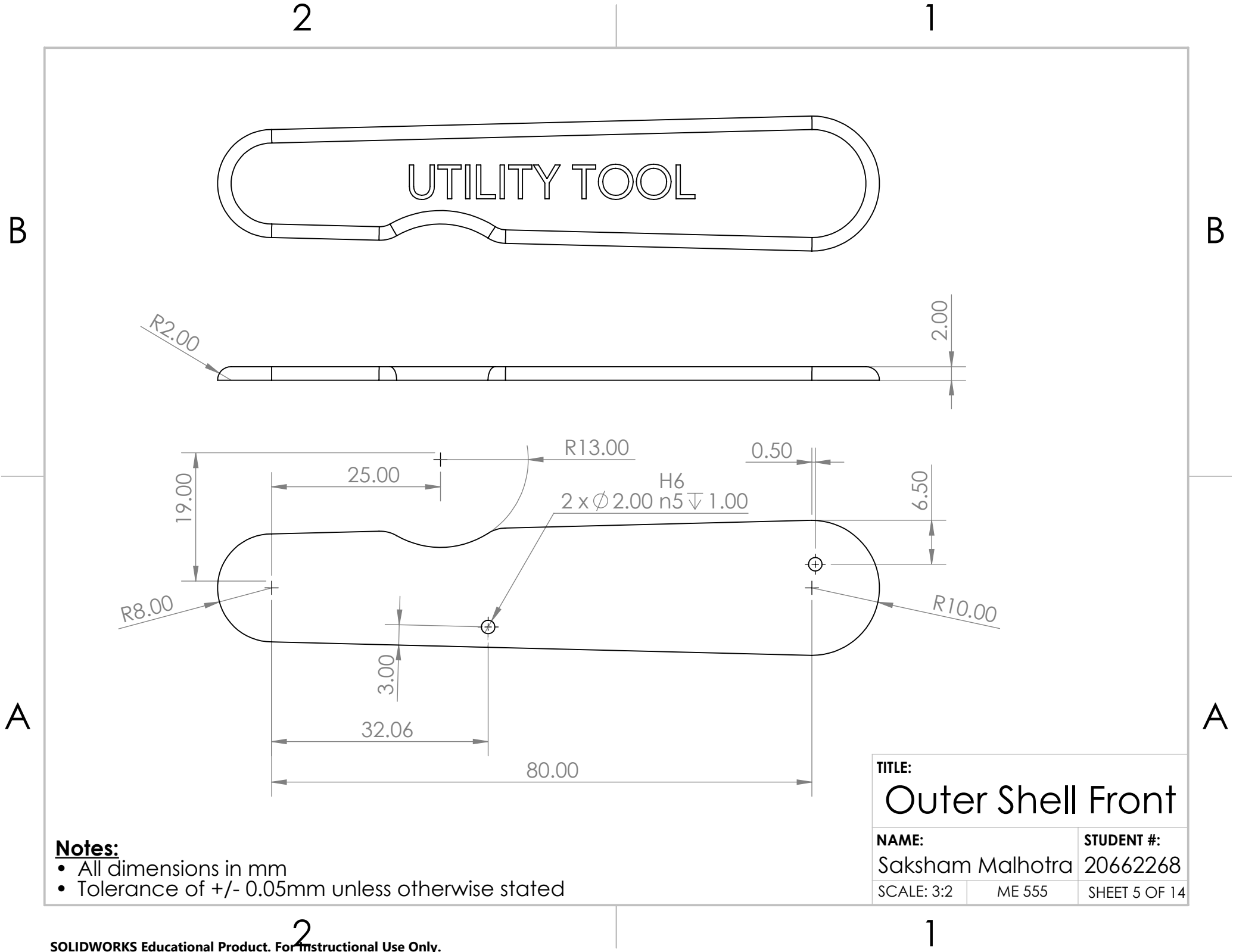




**Notes:**

- All dimensions in mm
- Tolerance of +/- 0.05mm unless otherwise stated

TITLE: Outer Shell Back		
NAME: Saksham Malhotra		STUDENT #: 20662268
SCALE: 3:2	ME 555	SHEET 4 OF 14

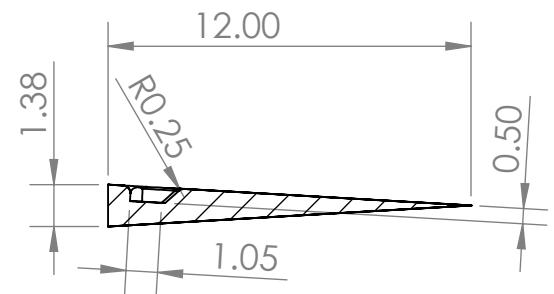
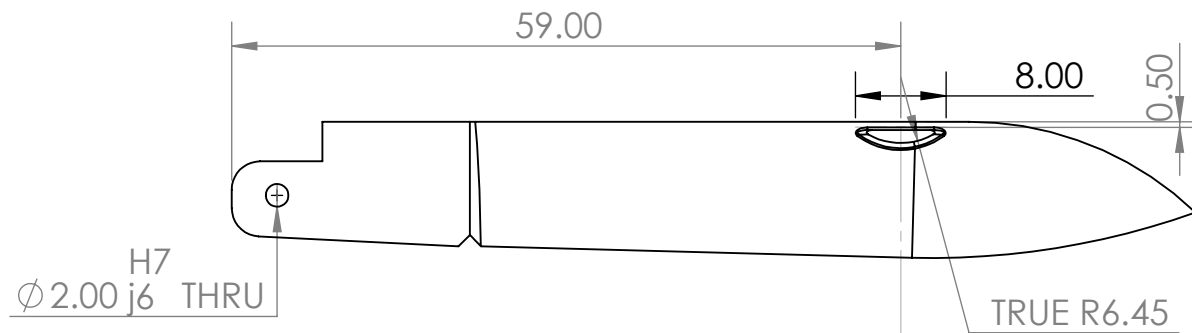


**Notes:**

- All dimensions in mm
- Tolerance of +/- 0.05mm unless otherwise stated

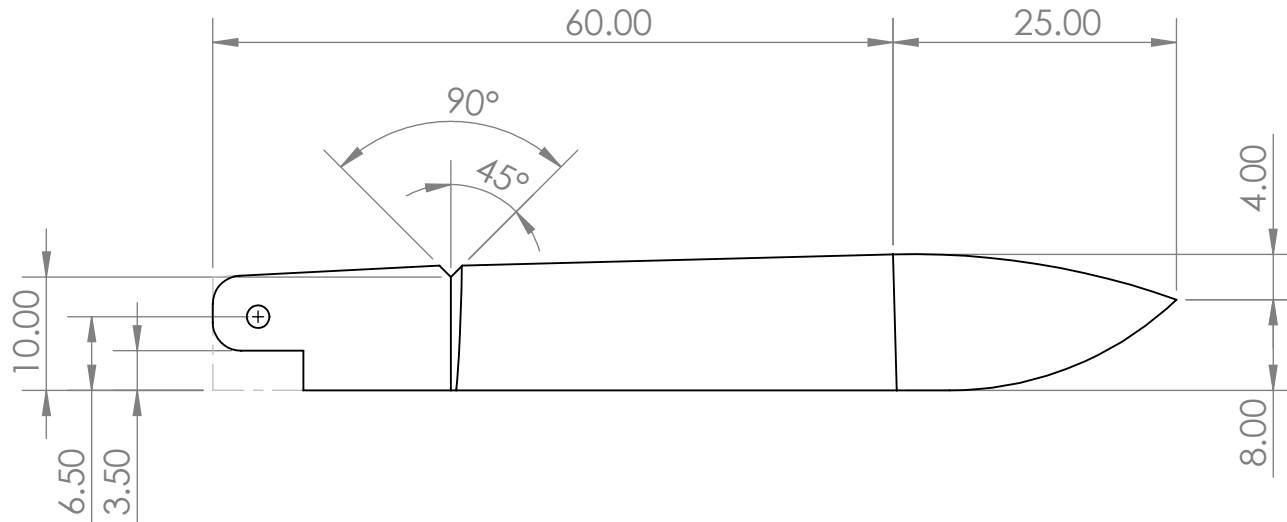
TITLE: Outer Shell Front		
NAME: Saksham Malhotra		STUDENT #: 20662268
SCALE: 3:2	ME 555	SHEET 5 OF 14

B



SECTION A-A  
SCALE 4 : 1

A



**Notes:**

- All dimensions in mm
- Tolerance of  $\pm 0.05\text{mm}$  unless otherwise stated
- Section A-A shows the dimensions for the "Pull-out Tab" feature used for various parts in the assembly

TITLE:

Large Knife

NAME:

Saksham Malhotra

STUDENT #:

20662268

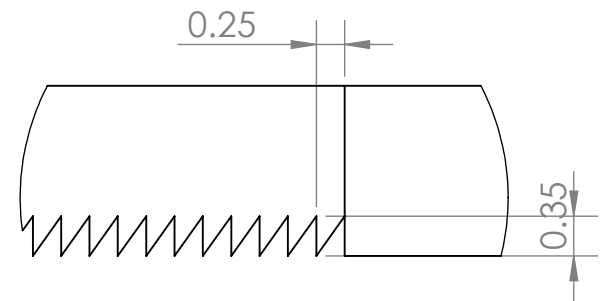
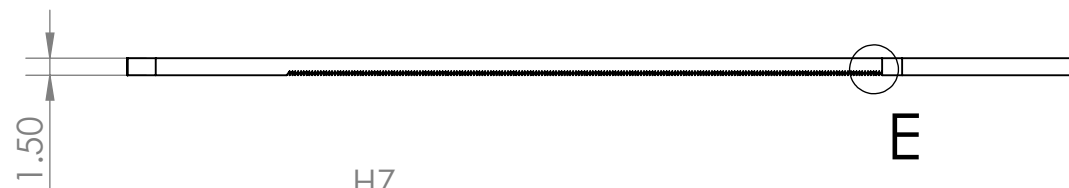
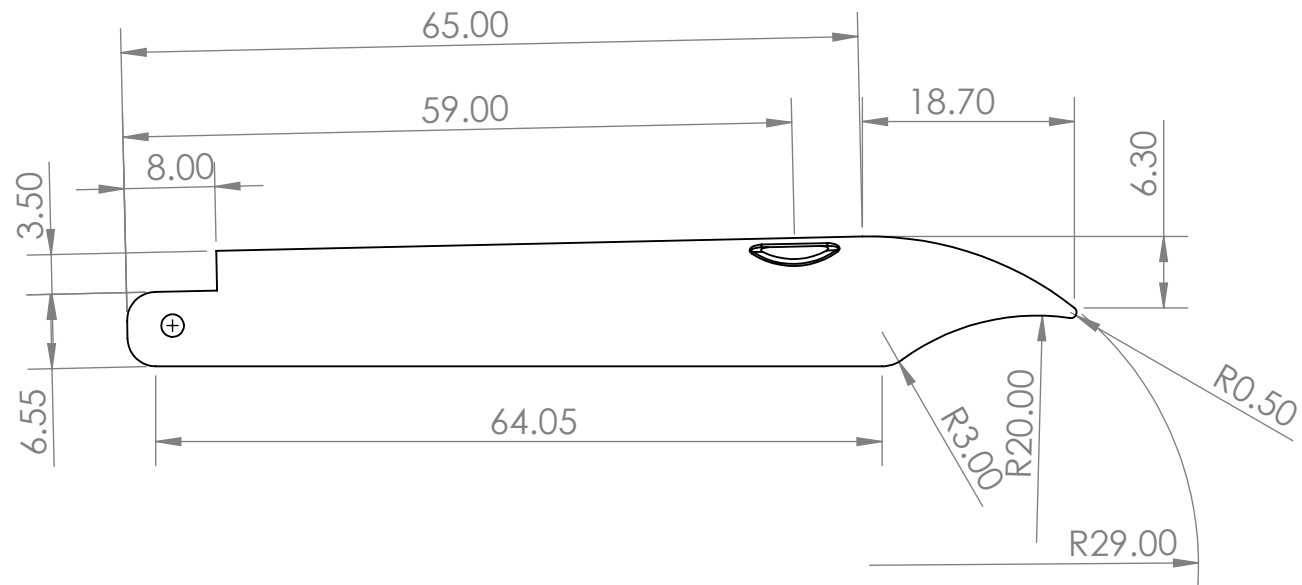
SCALE: 3:2

ME 555

SHEET 6 OF 14

B

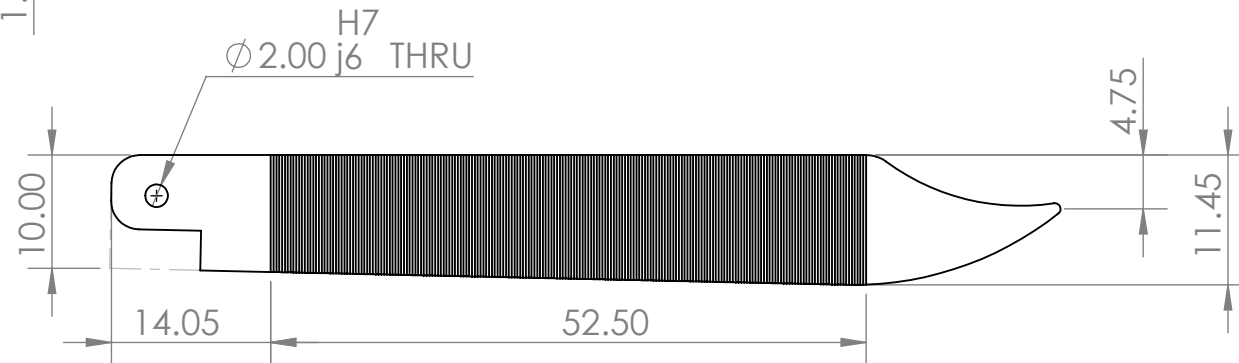
B



DETAIL E  
SCALE 15 : 1

A

A



### Notes:

- All dimensions in mm
- Tolerance of +/- 0.05mm unless otherwise stated
- "Pull-out tab" feature dimensions presented on Sheet 6 (Large Knife)

TITLE:

File Tool

NAME:

Saksham Malhotra

STUDENT #:

20662268

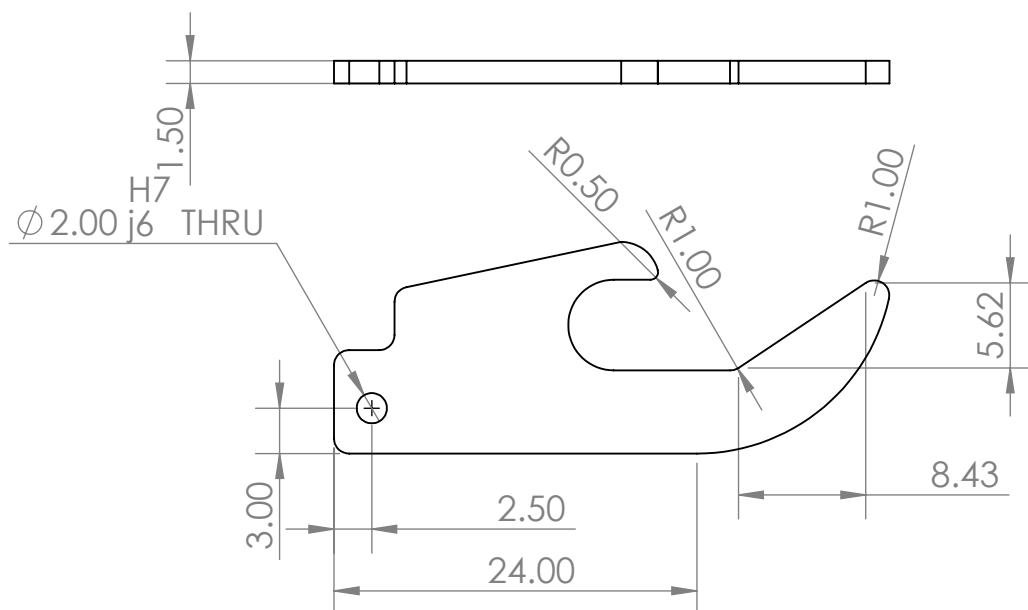
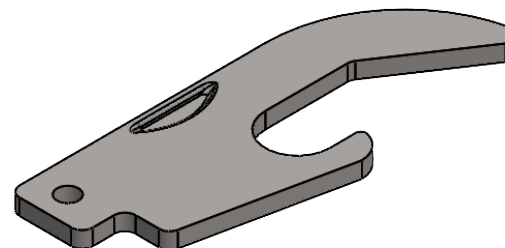
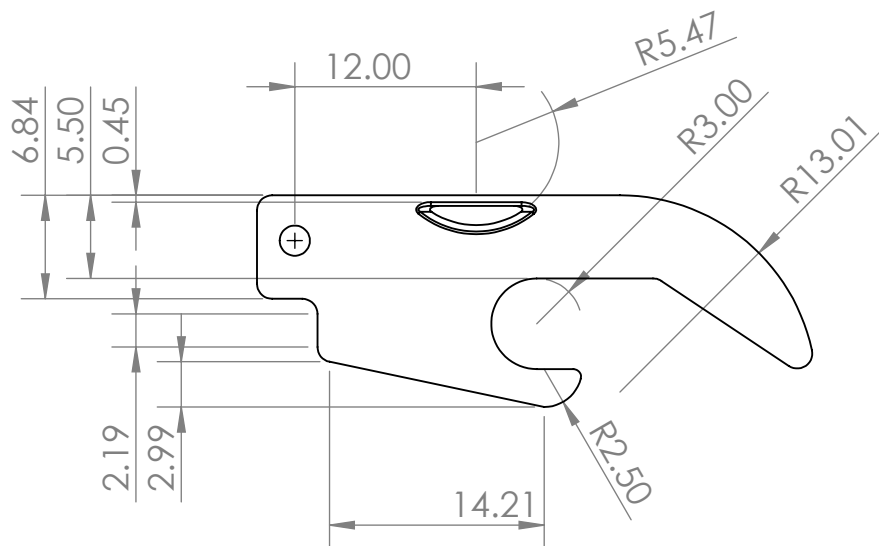
SCALE: 3:2

ME 555

SHEET 7 OF 14

B

B



A

**Notes:**

- All dimensions in mm
- Tolerance of +/- 0.05mm unless otherwise stated

TITLE:

Bottle Opener

NAME:

Saksham Malhotra

STUDENT #:

20662268

SCALE: 2:1

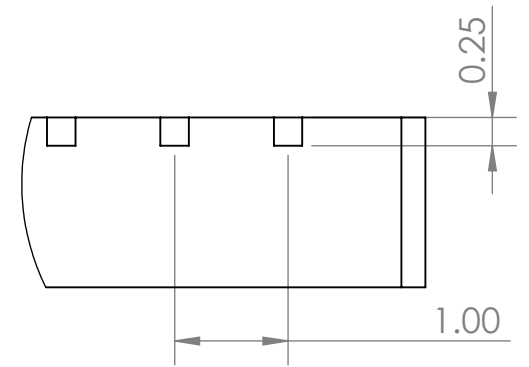
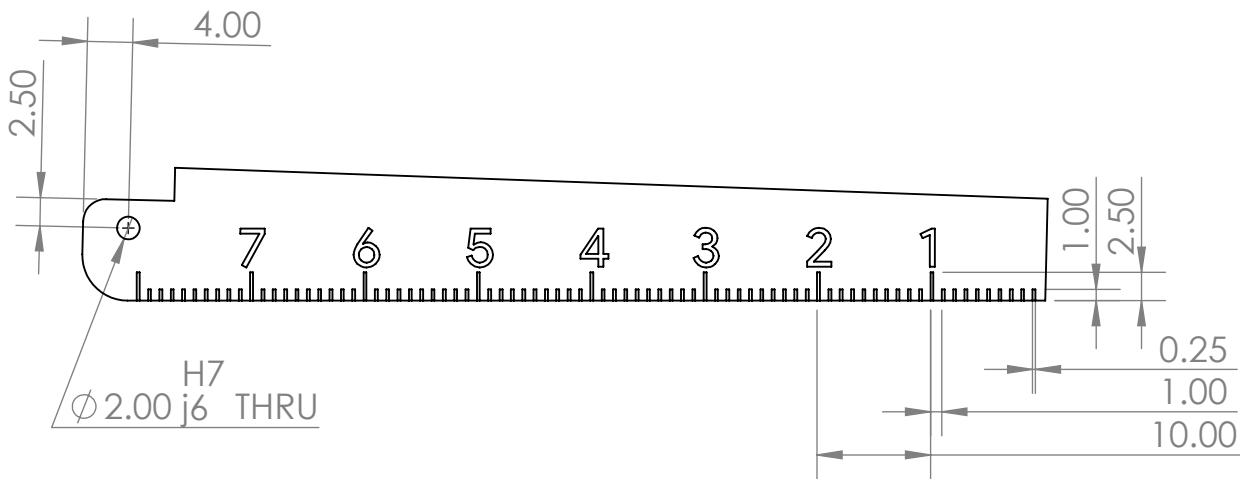
ME 555

SHEET 8 OF 14



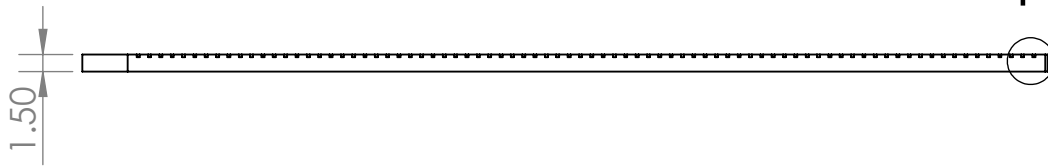
B

B



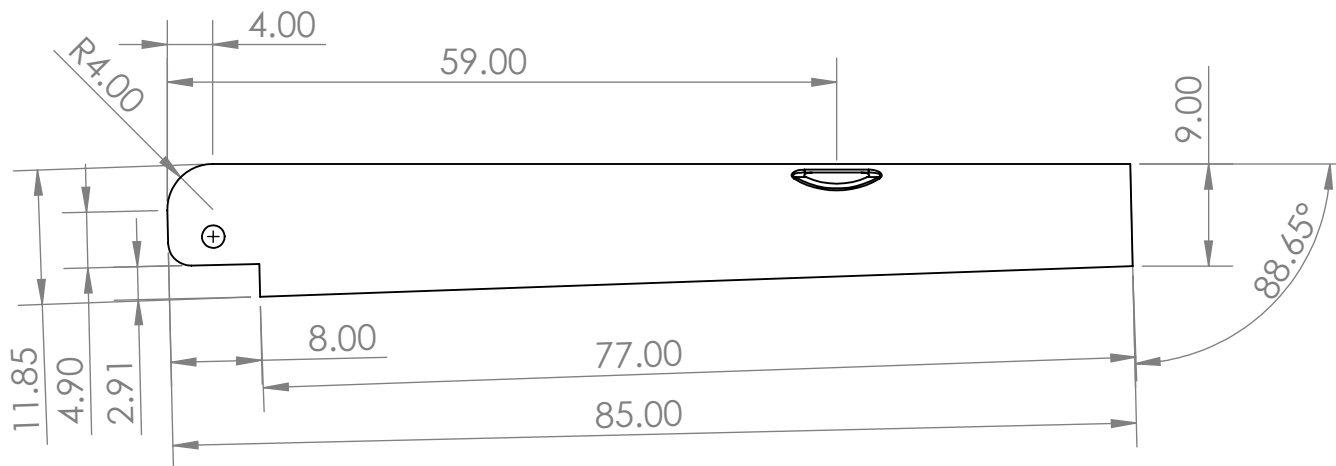
DETAIL F  
SCALE 15 : 1

F



A

A



### Notes:

- All dimensions in mm
- Tolerance of  $\pm 0.05$  mm unless otherwise stated
- "Pull-out tab" feature dimensions presented on Sheet 6 (Large Knife)

TITLE:

Ruler

NAME:

Saksham Malhotra

STUDENT #:

20662268

SCALE: 3:2

ME 555

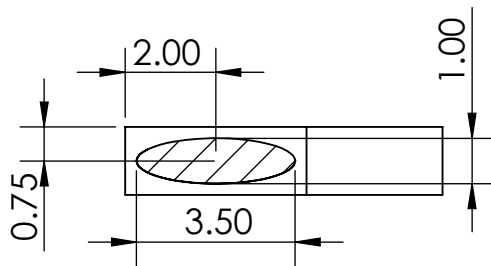
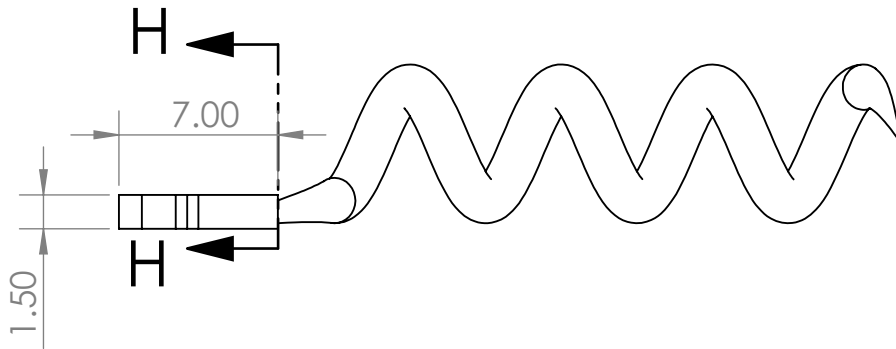
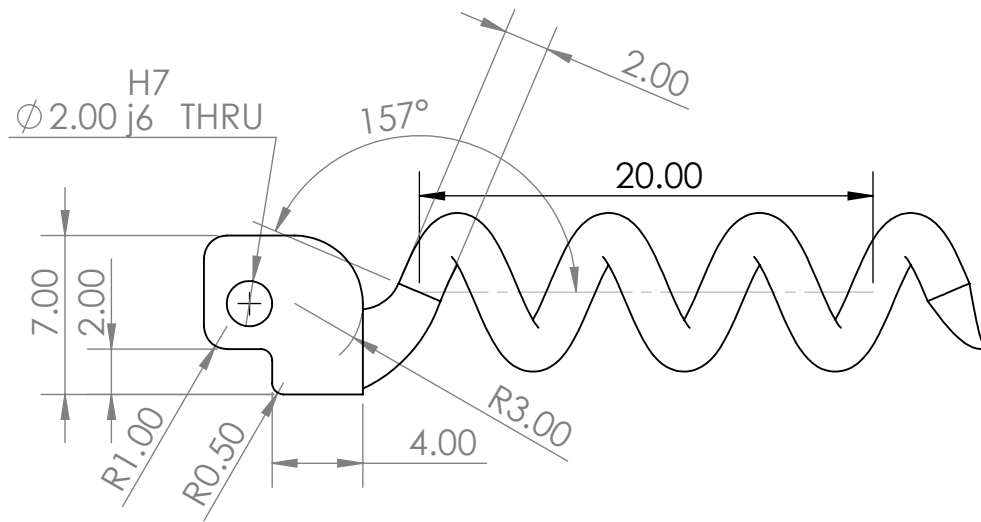
SHEET 9 OF 14

2

1

B

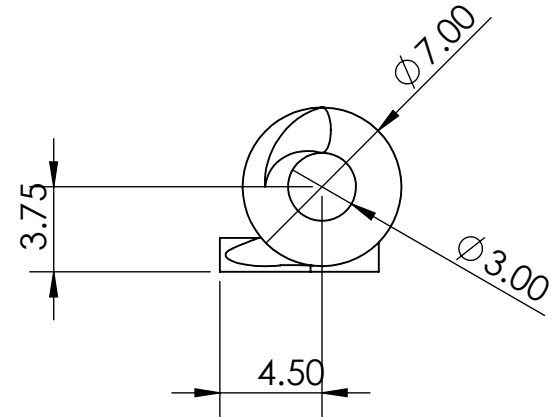
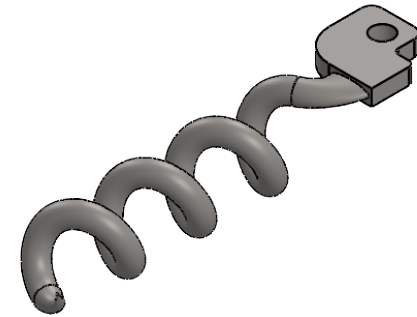
B



SECTION H-H  
SCALE 6 : 1

**Notes:**

- All dimensions in mm
- Tolerance of  $\pm 0.05$  mm unless otherwise stated



A

TITLE:

Corkscrew

NAME:

Saksham Malhotra

STUDENT #:

20662268

SCALE: 3:1

ME 555

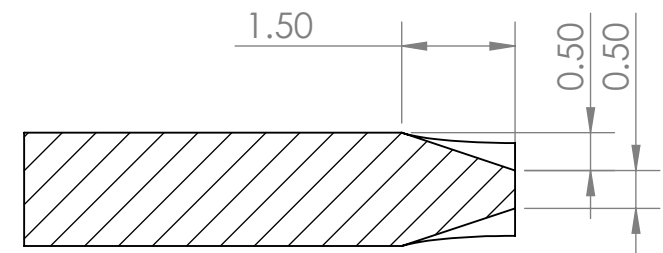
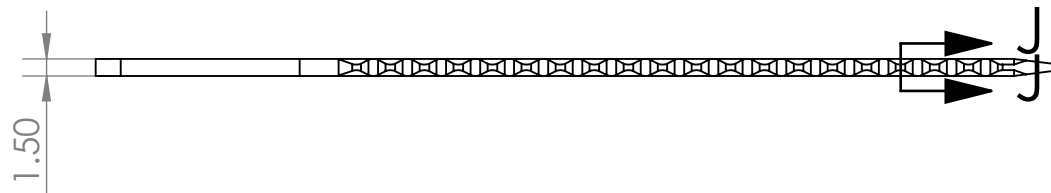
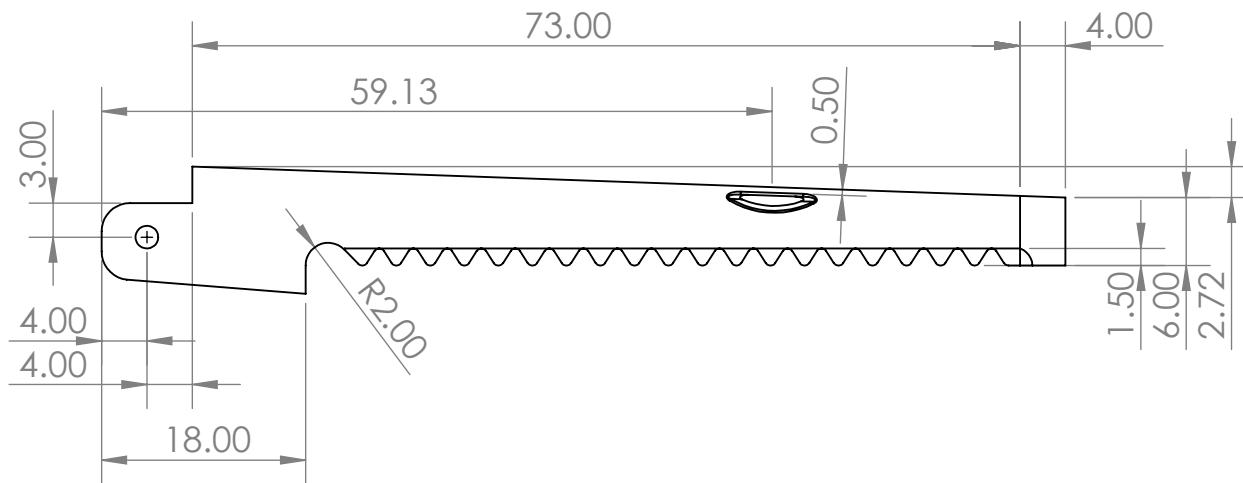
SHEET 10 OF 14

2

1

B

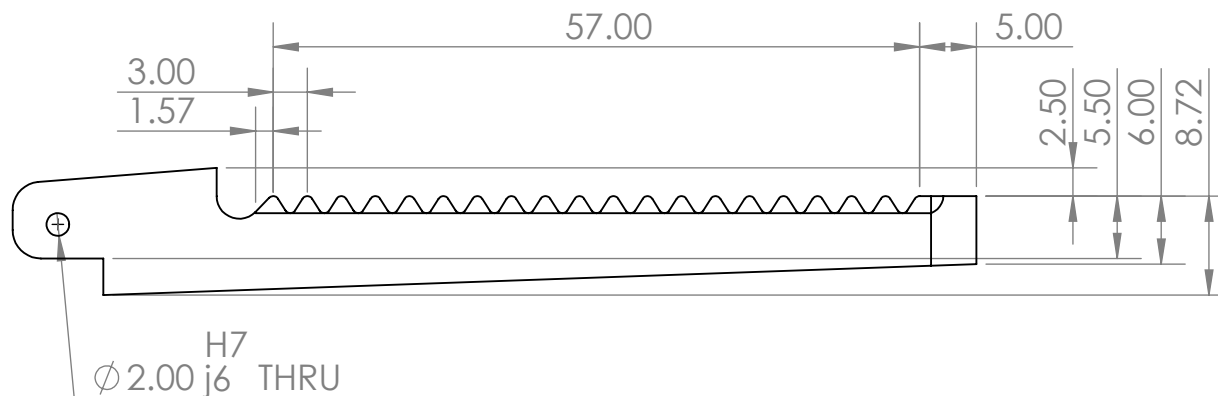
B



SECTION J-J  
SCALE 10 : 1

A

A



### Notes:

- All dimensions in mm
- Tolerance of  $\pm 0.05\text{mm}$  unless otherwise stated
- "Pull-out tab" feature dimensions presented on Sheet 6 (Large Knife)

TITLE:

Saw Knife

NAME:

Saksham Malhotra

STUDENT #:

20662268

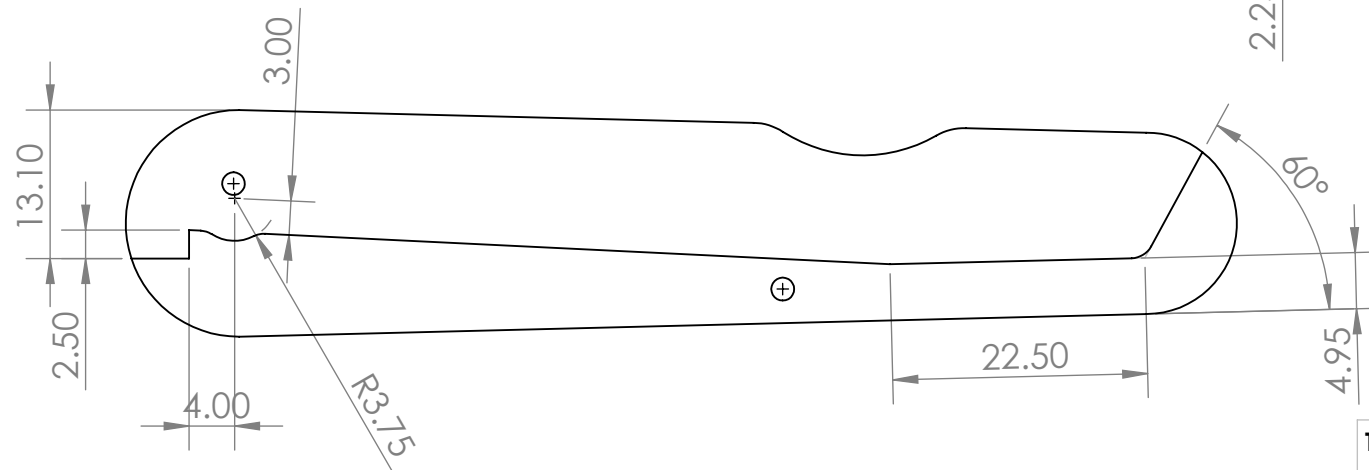
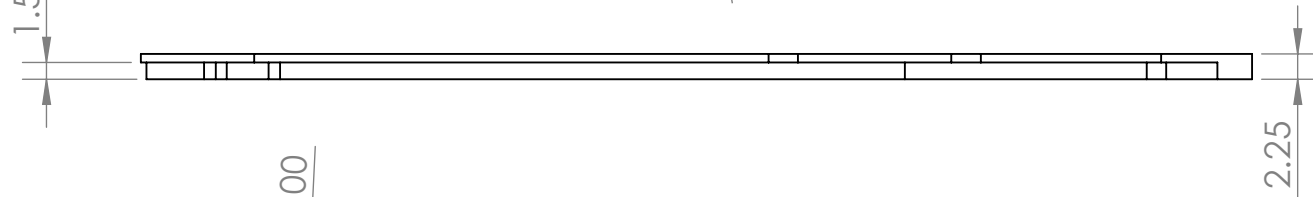
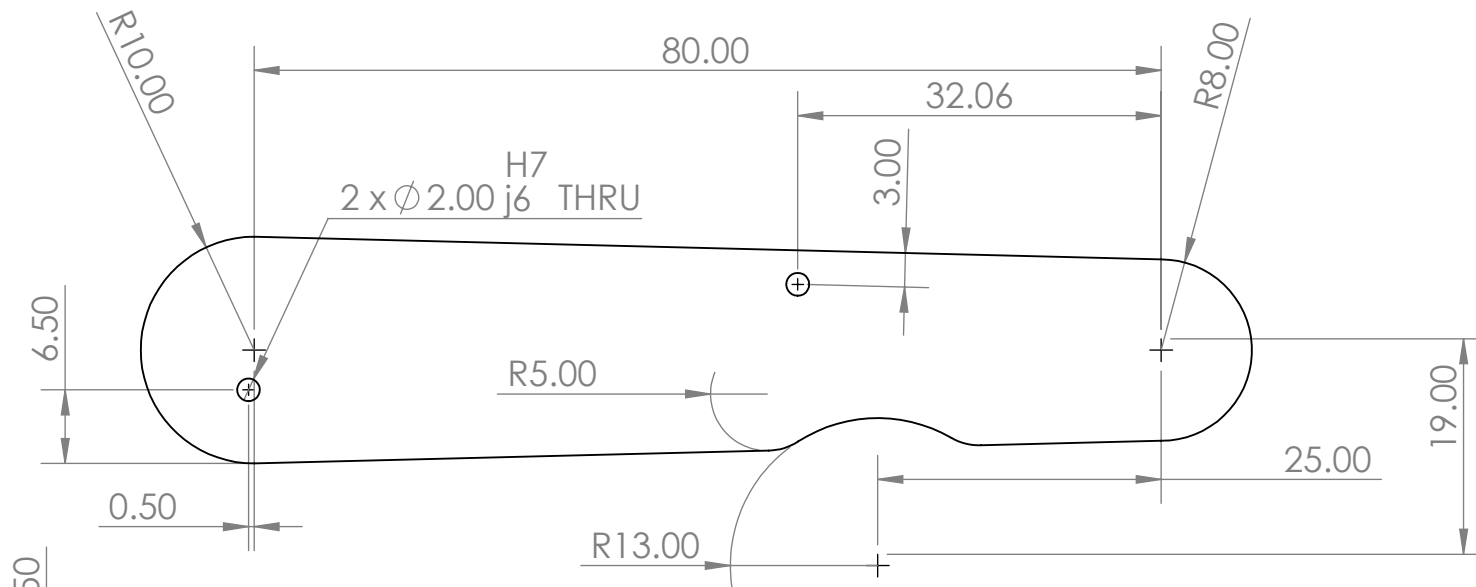
SCALE: 3:2

ME 555

SHEET 11 OF 14

B

B

**Notes:**

- All dimensions in mm
- Tolerance of  $\pm 0.05$ mm unless otherwise stated

TITLE:

Separator 1

NAME:

Saksham Malhotra

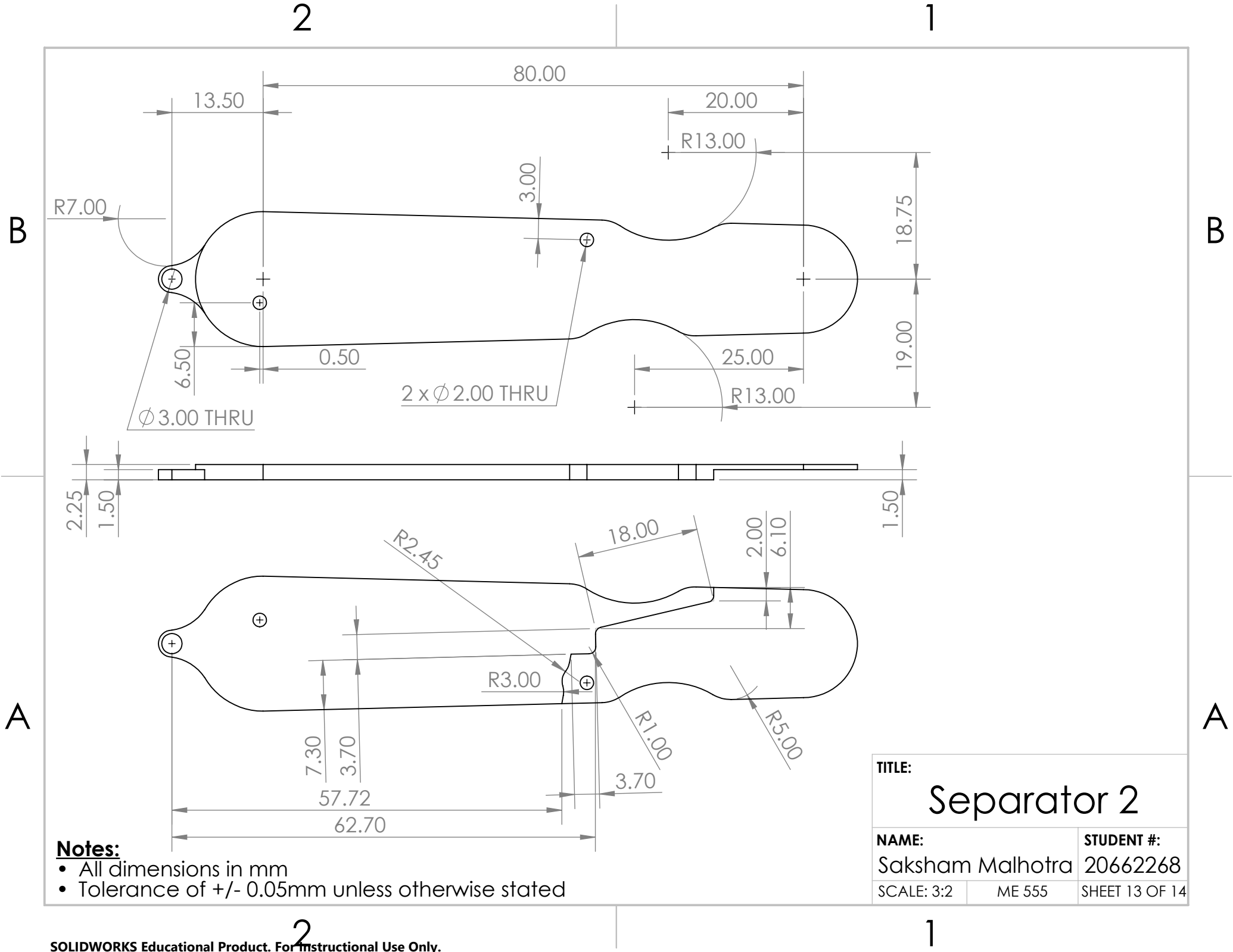
STUDENT #:

20662268

SCALE: 3:2

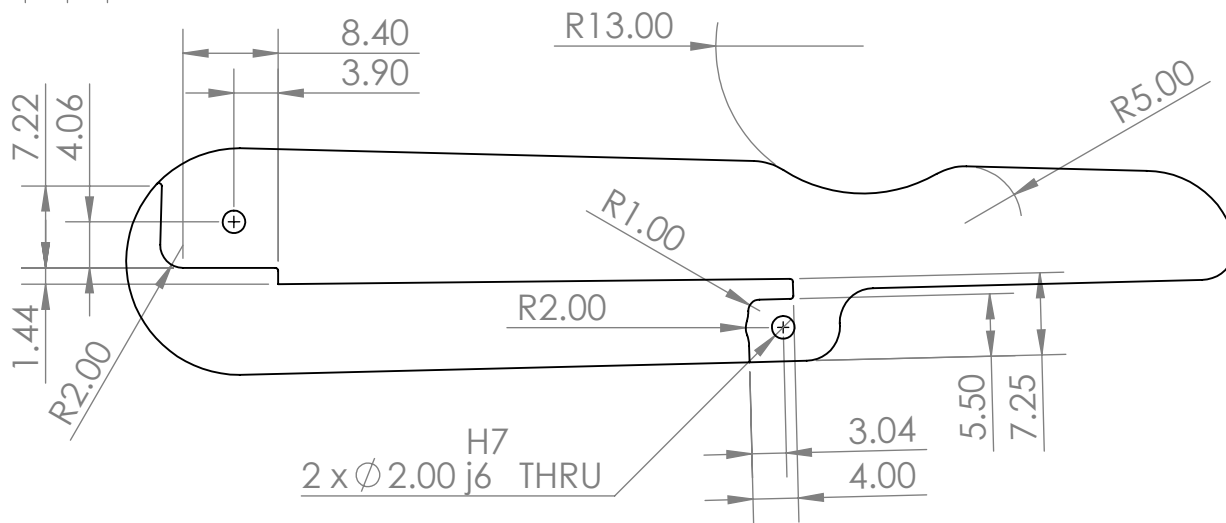
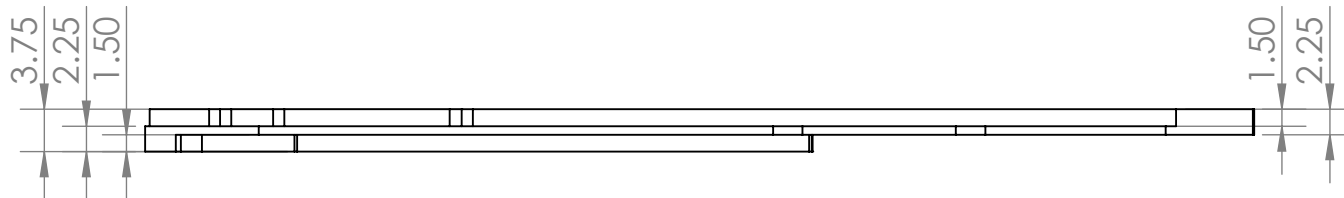
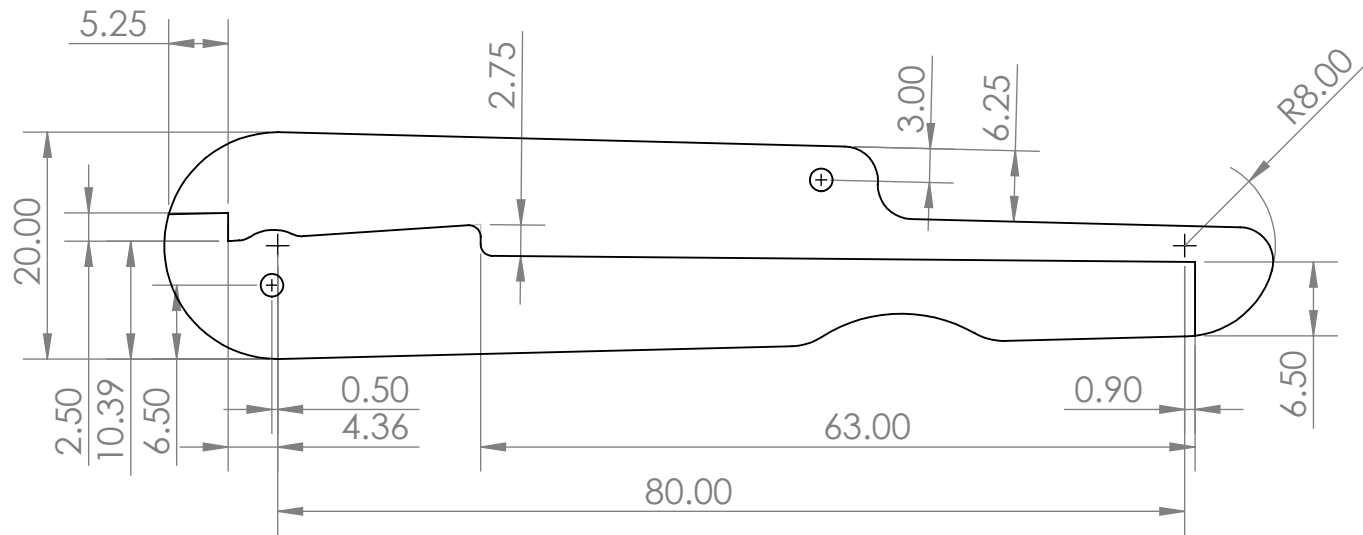
ME 555

SHEET 12 OF 14



B

B



2 x  $\varnothing$  2.00 <sup>H7</sup>/<sub>j6</sub> THRU

### Notes:

- All dimensions in mm
- Tolerance of +/- 0.05mm unless otherwise stated

TITLE:

Separator 3

NAME:

Saksham Malhotra

STUDENT #:

20662268

SCALE: 3:2

ME 555

SHEET 14 OF 14