

ENGINEERING CAD CAM CAE

(A Professional Training Institute)

Presents

CAD & CAM Practice Drawings for Beginners

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This can be used as teaching aid by Professors, as Study material by Educational institutions, as Worksheet/Practice manual by CAD/CAM training institutes, by Individuals for YouTube Channel, Udemy etc... Literally anyone can use it from anywhere in the world. All of this can be done without prior permission.

All Dimensions are in 'mm'.

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3D CAD Practice Drawings

4

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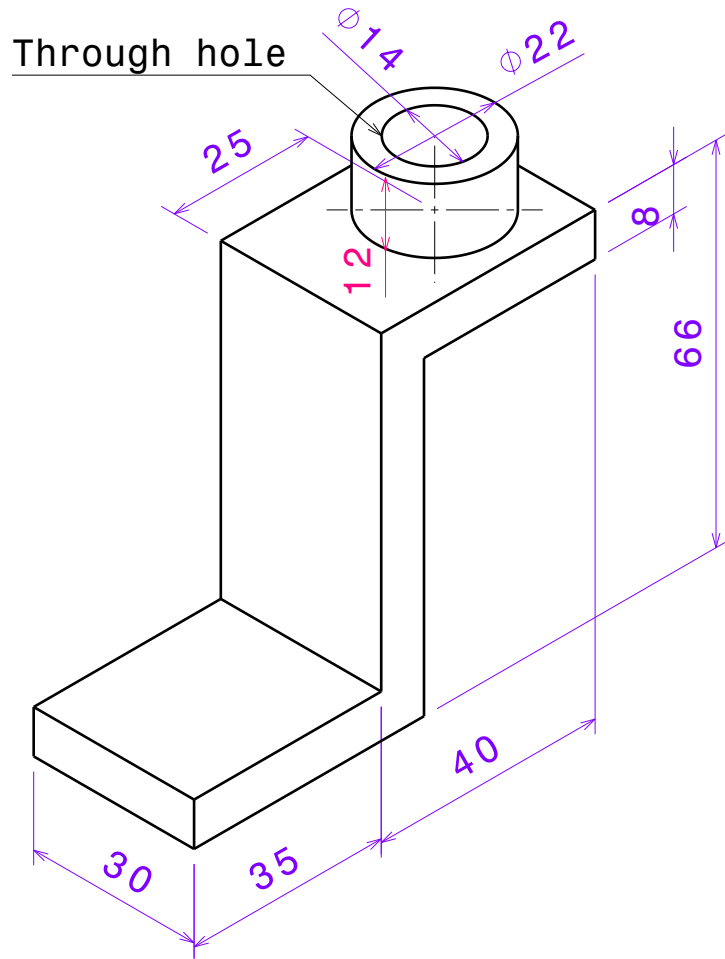
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D

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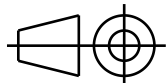
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 01

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A

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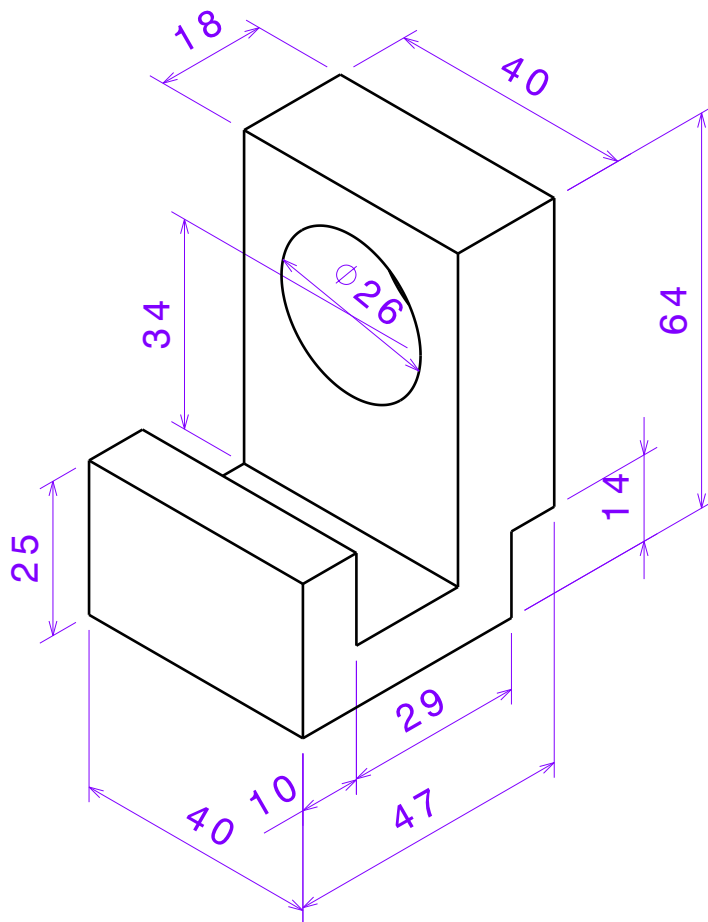
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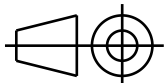
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SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 02

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SHEET

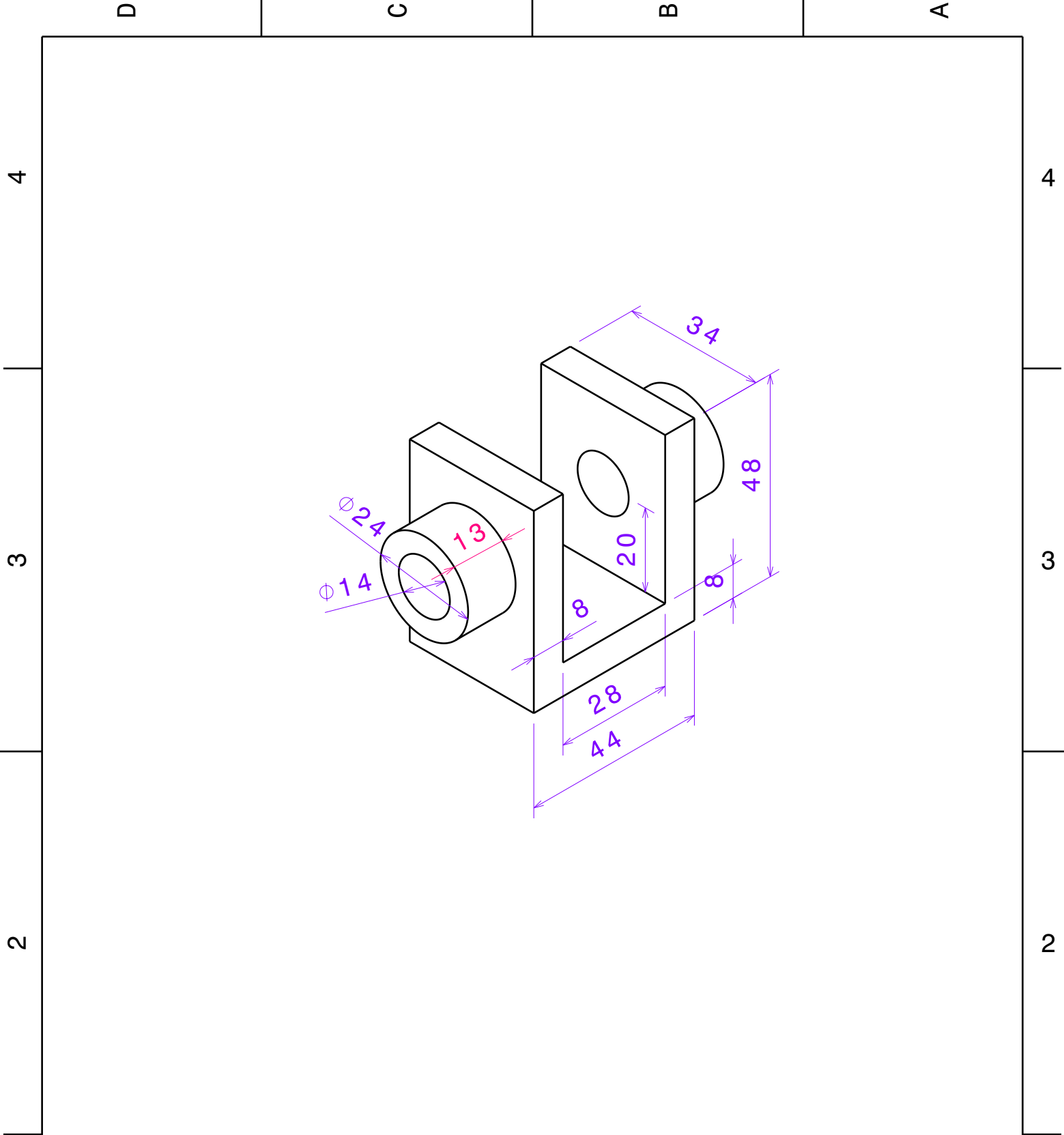
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This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A



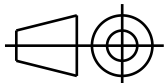
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SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 03

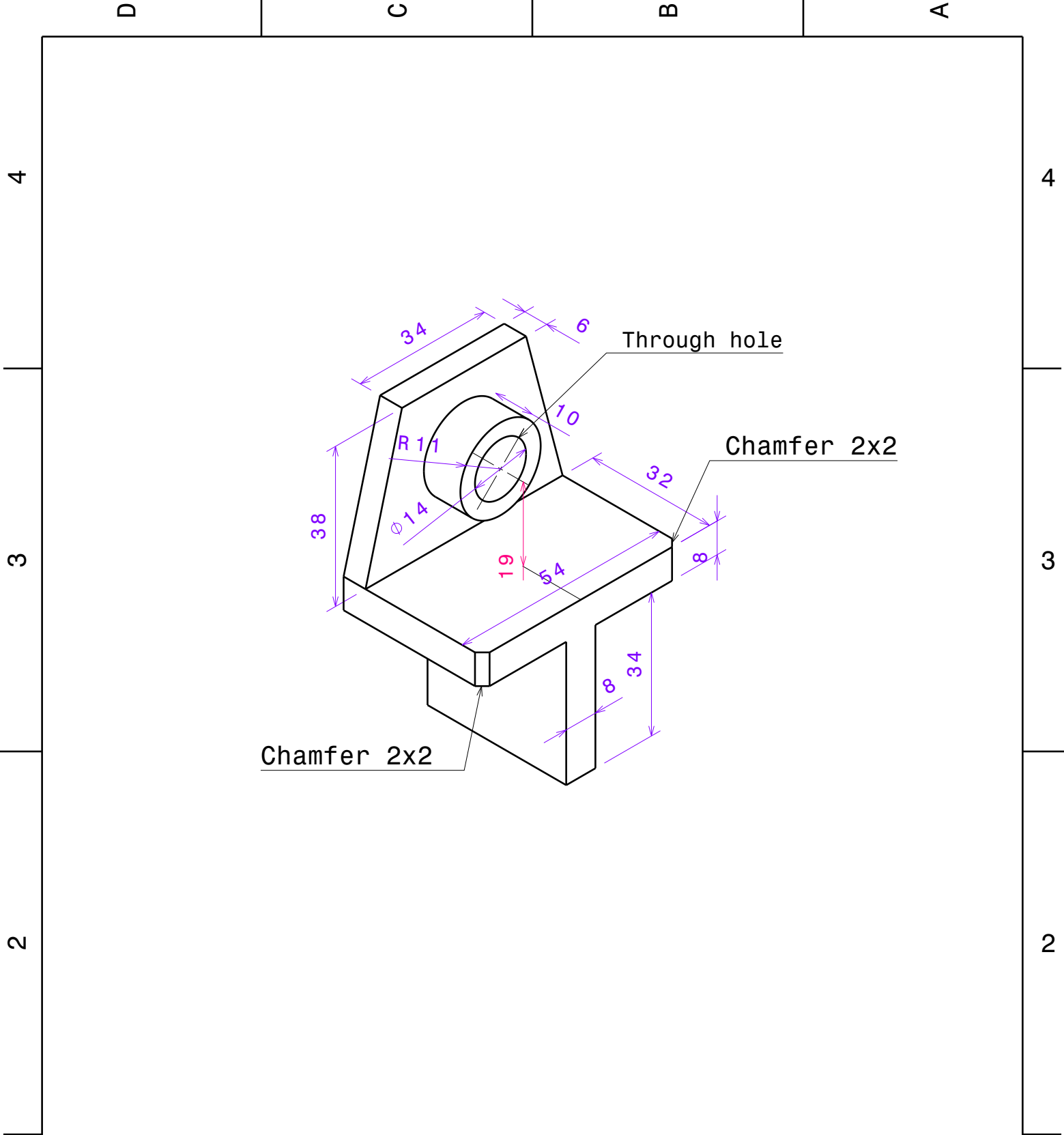
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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



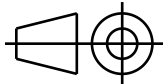
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DATE:

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SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 04

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SHEET

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This drawing is our property; it can't be reproduced or communicated without our written agreement.

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E	—
D	—
C	—
B	—
A	—

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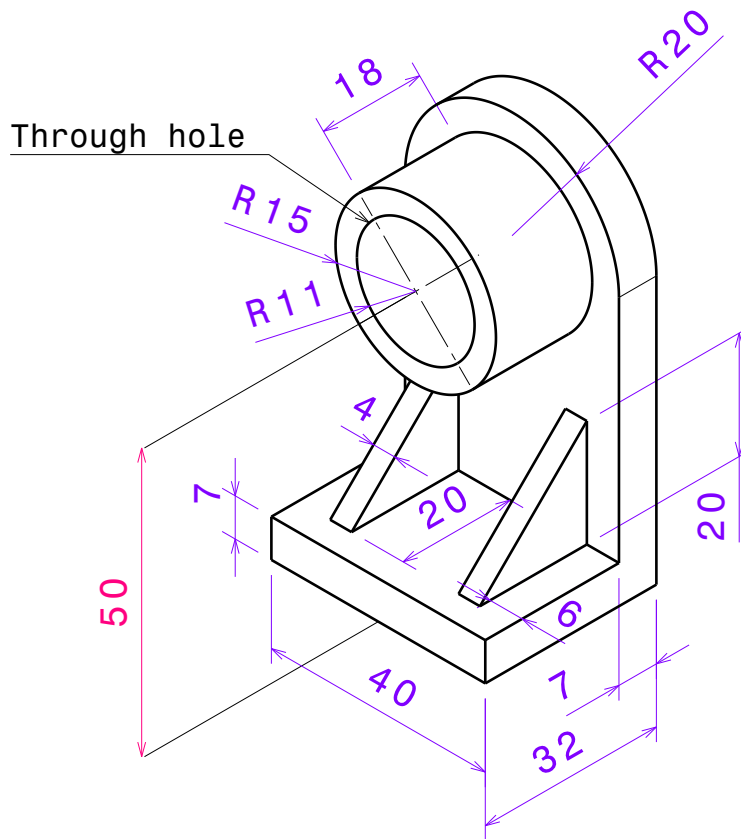
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D

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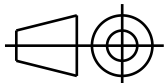
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SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 05

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

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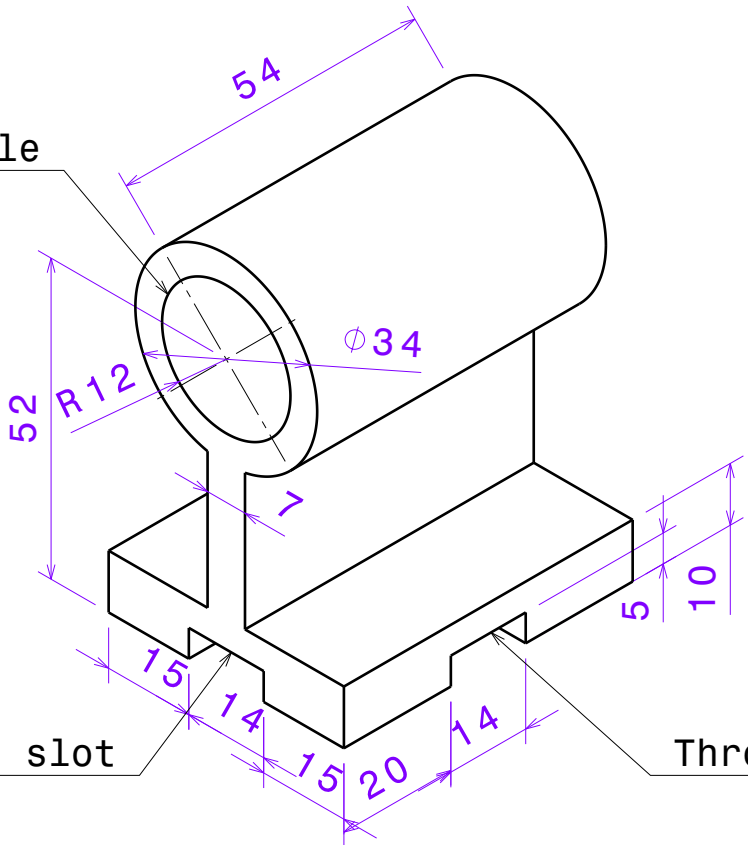
2

1

Through hole

Through slot

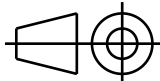
Through slot



DESIGNED BY:
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DATE:

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SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 06

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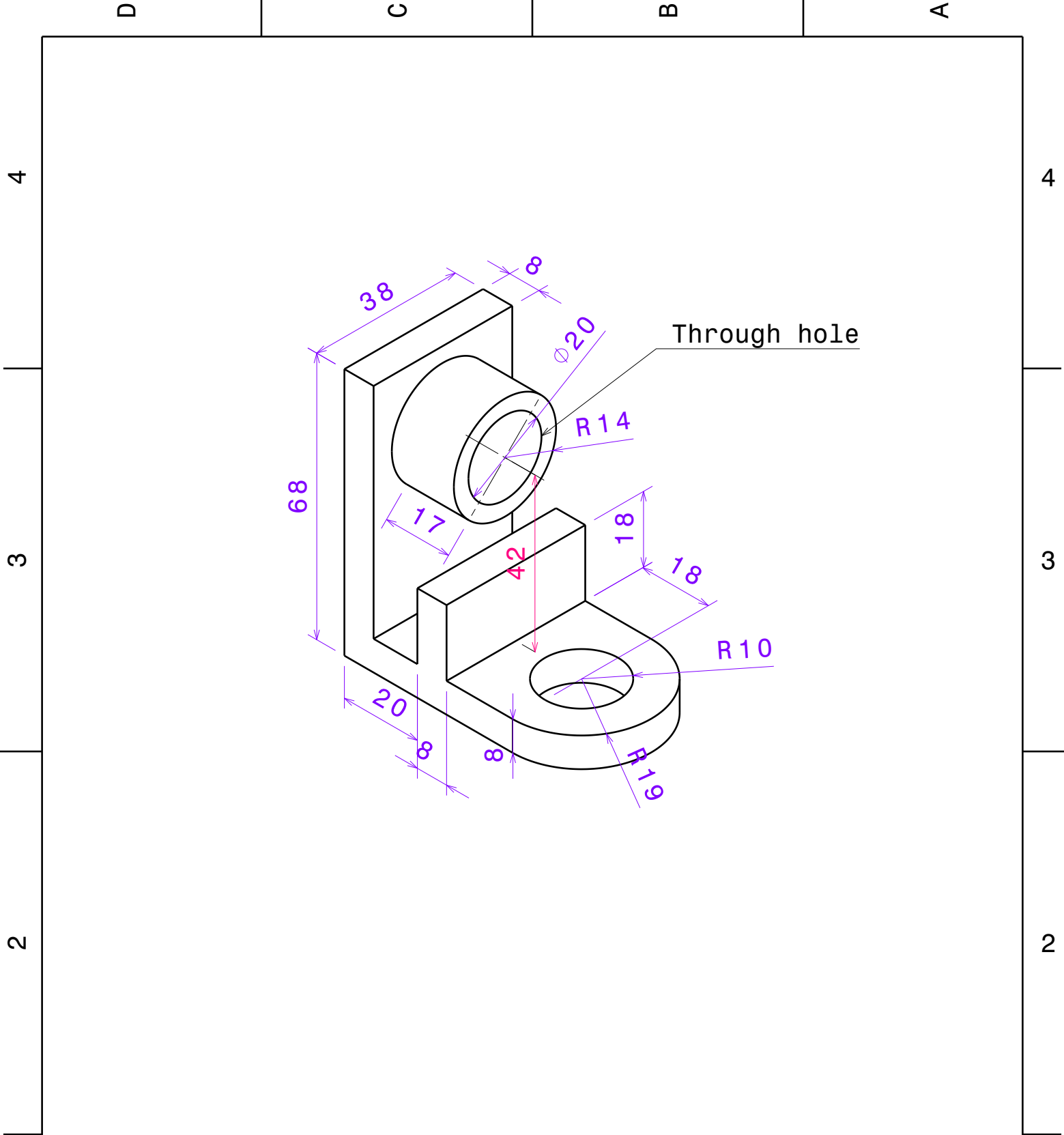
SHEET
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A



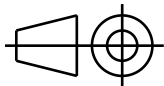
DESIGNED BY:
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 07

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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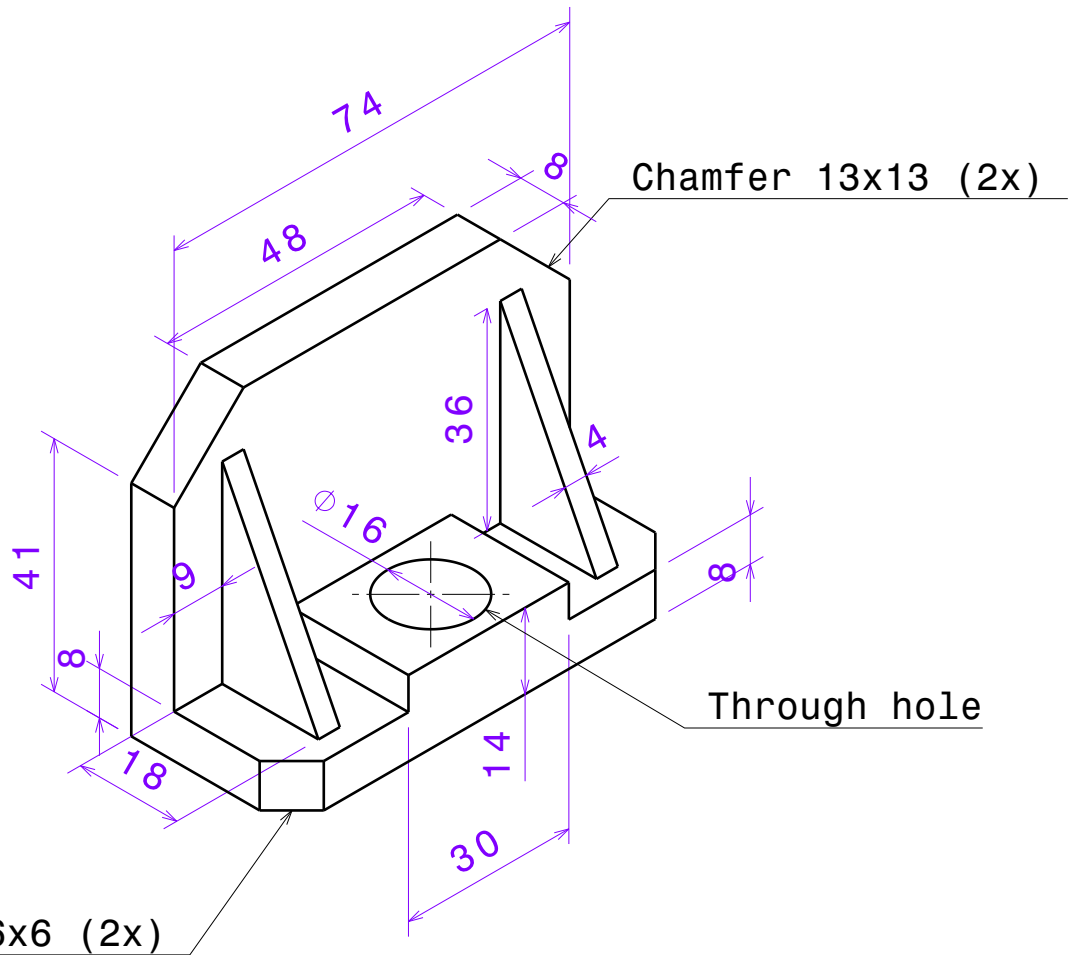
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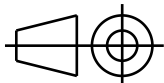
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 08

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SHEET

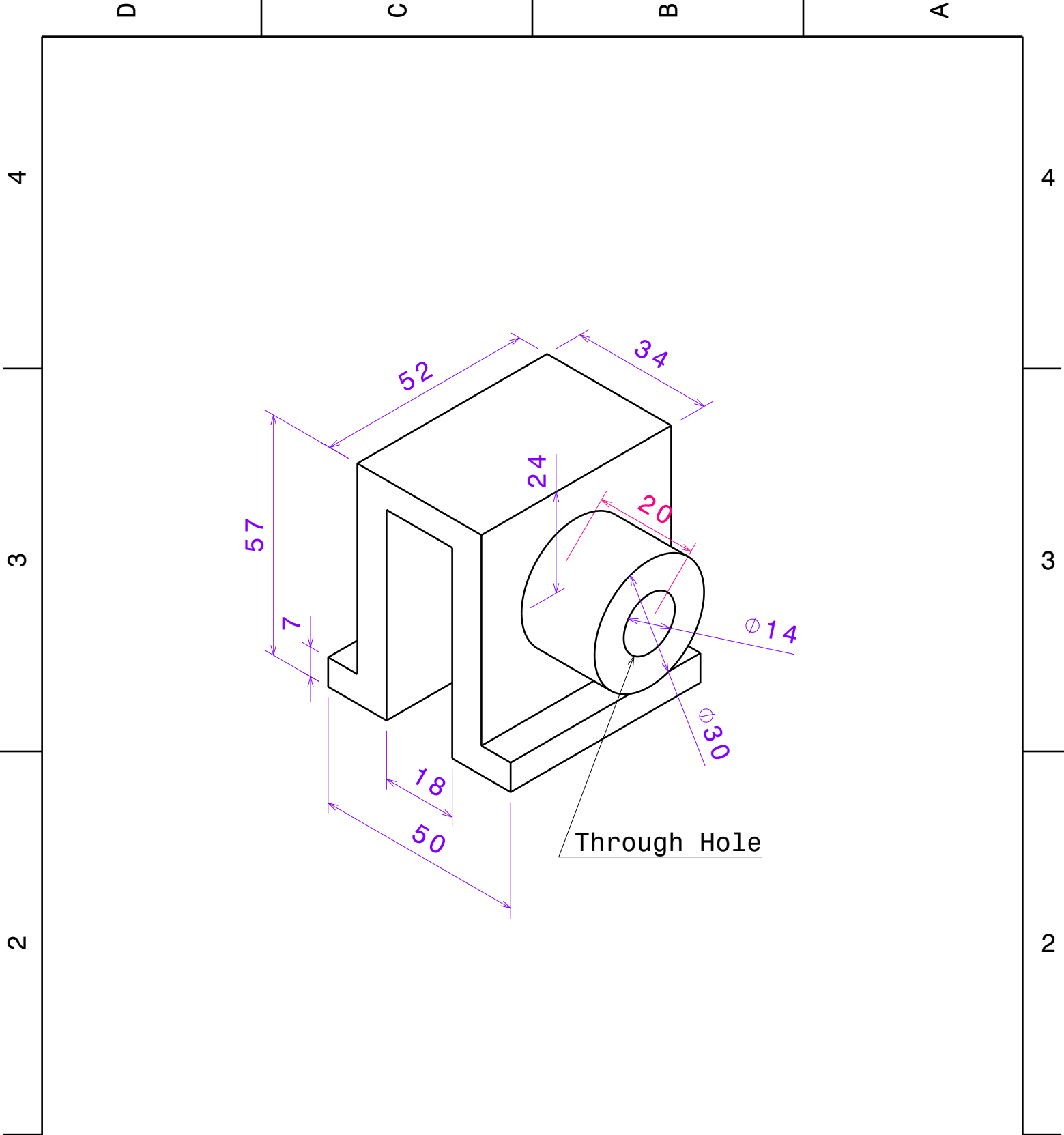
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This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
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F	—
E	—
D	—
C	—
B	—
A	—

D

A



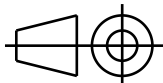
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DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 09

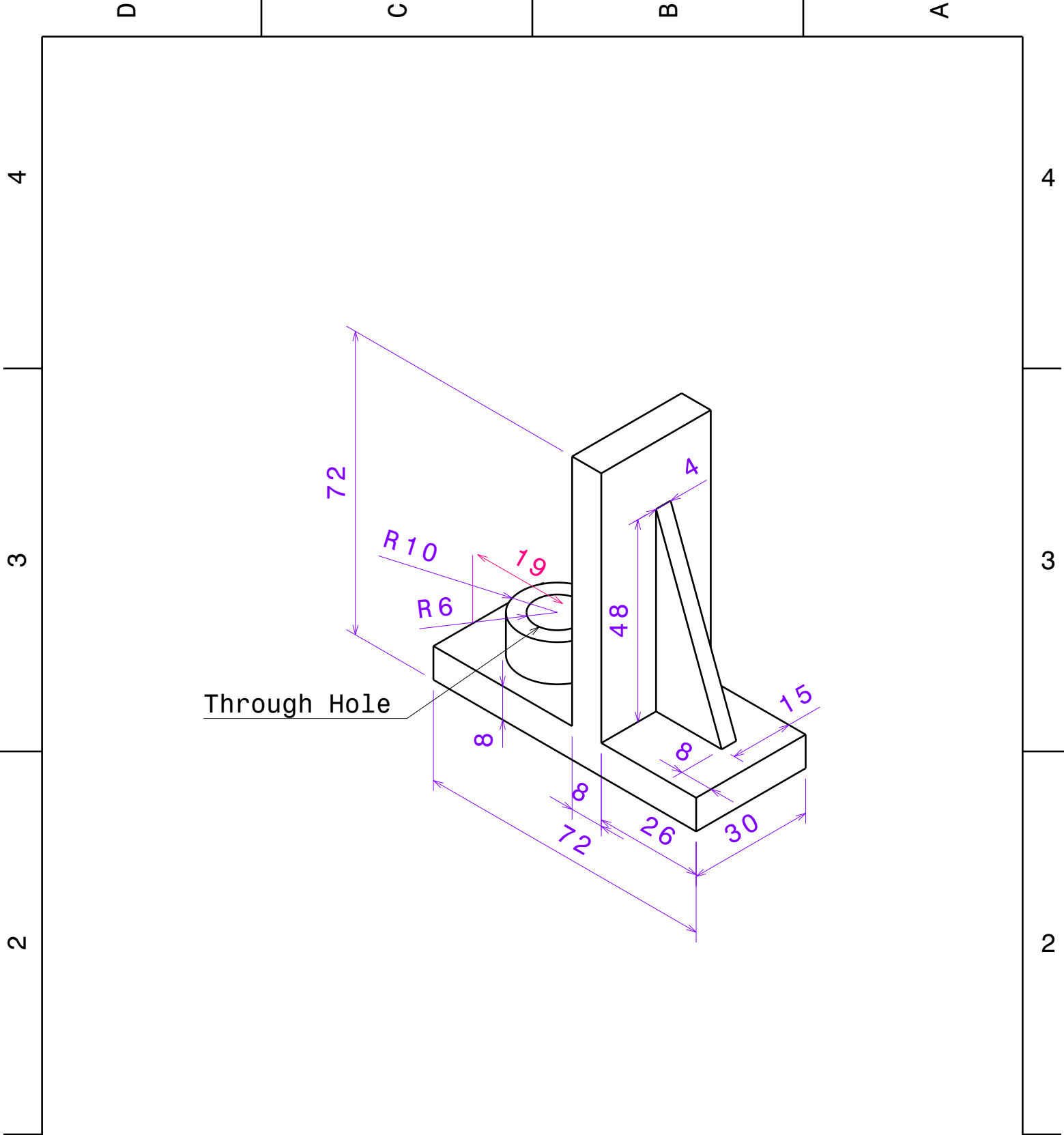
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



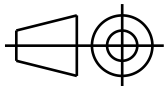
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 10

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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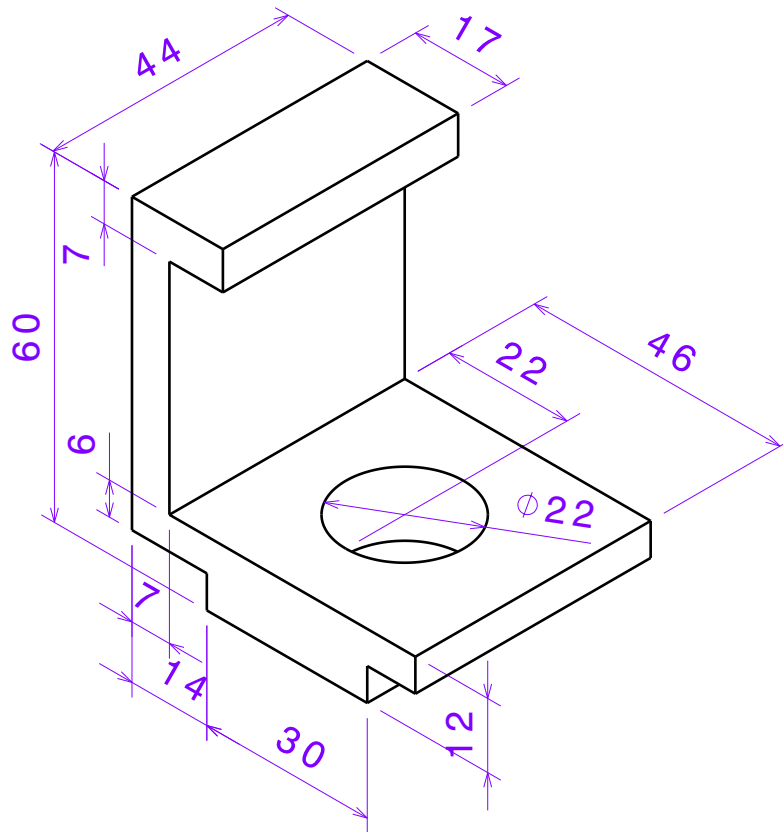
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D

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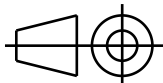
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DATE:

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DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 11

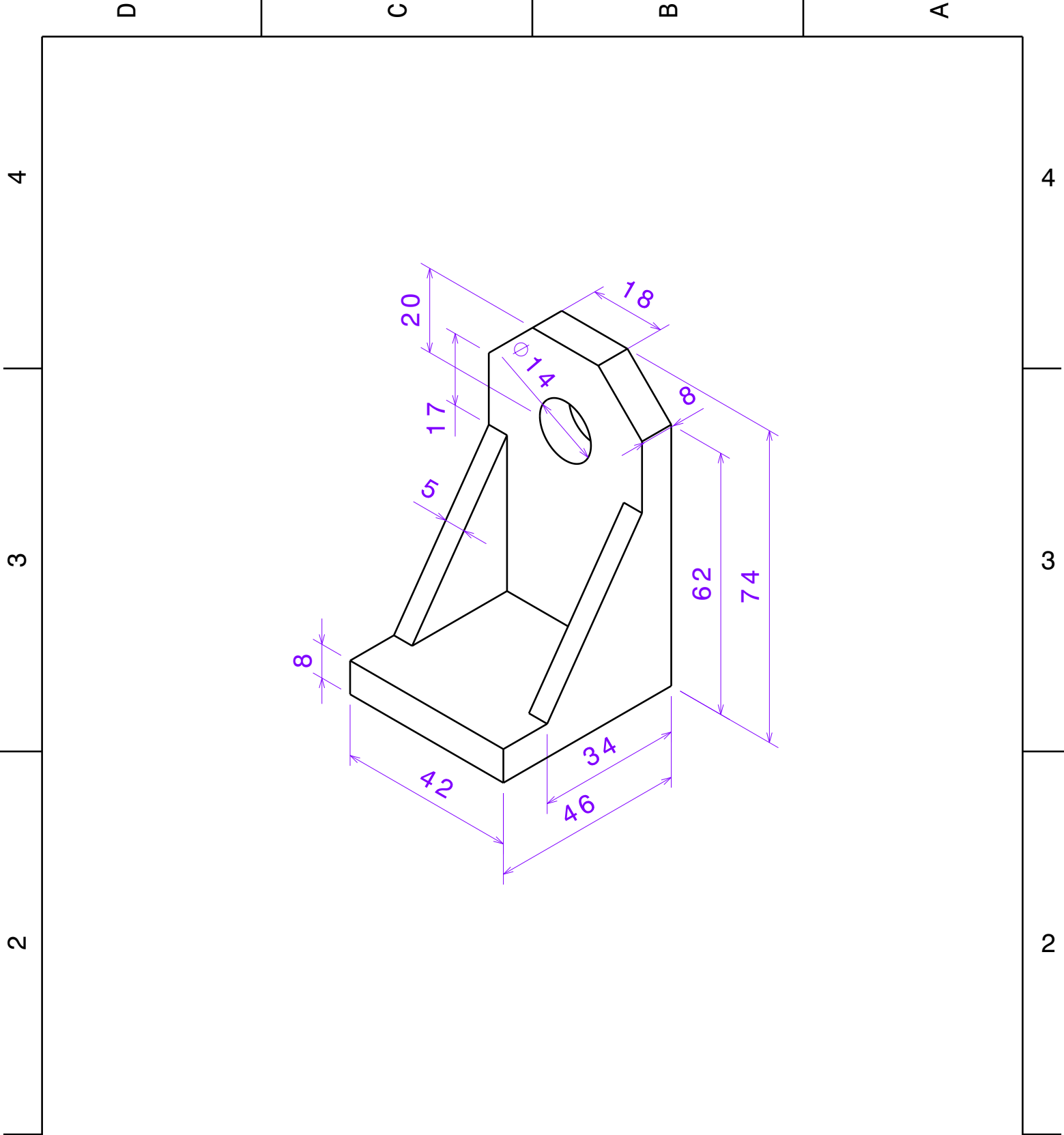
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SHEET

1 / 1

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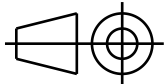
I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 12

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SHEET
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

C

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A

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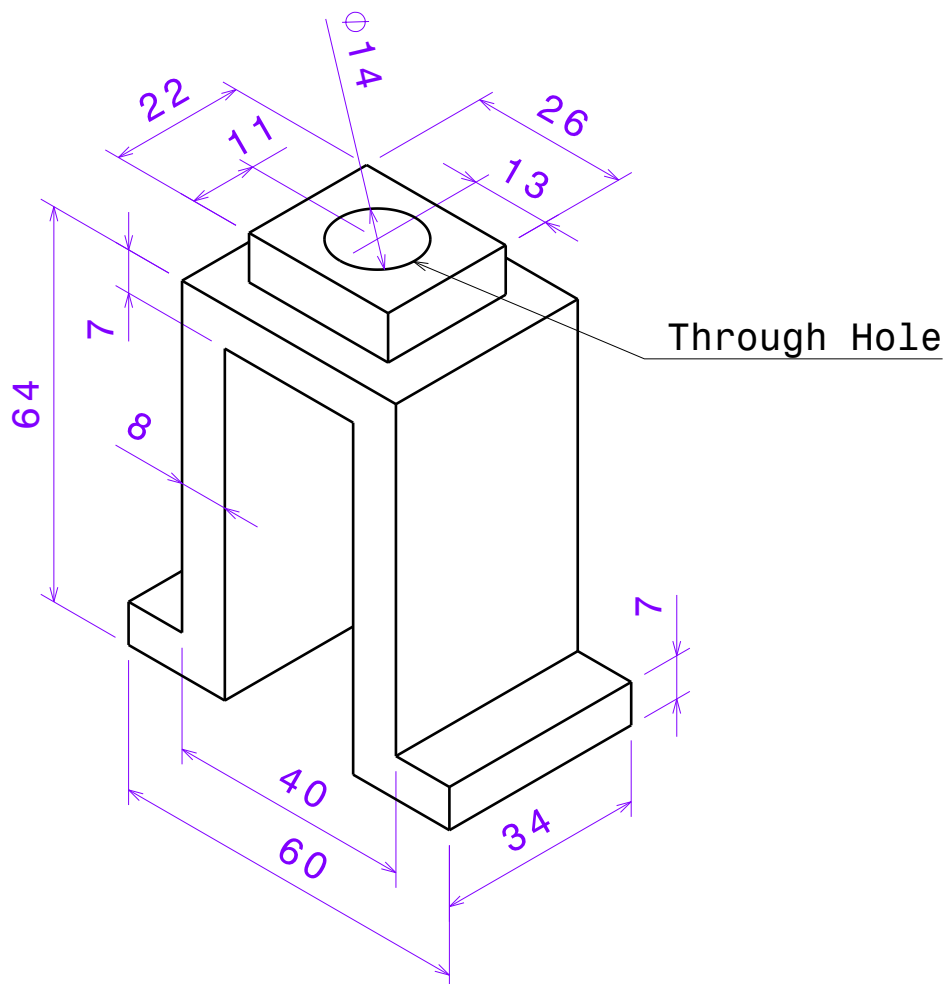
4

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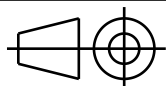
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 13

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SHEET

1 / 1

I -

H -

G -

F -

E -

D -

C -

B -

A -

1

D

A

This drawing is our property; it can't be reproduced or communicated without our written agreement.

D

C

B

A

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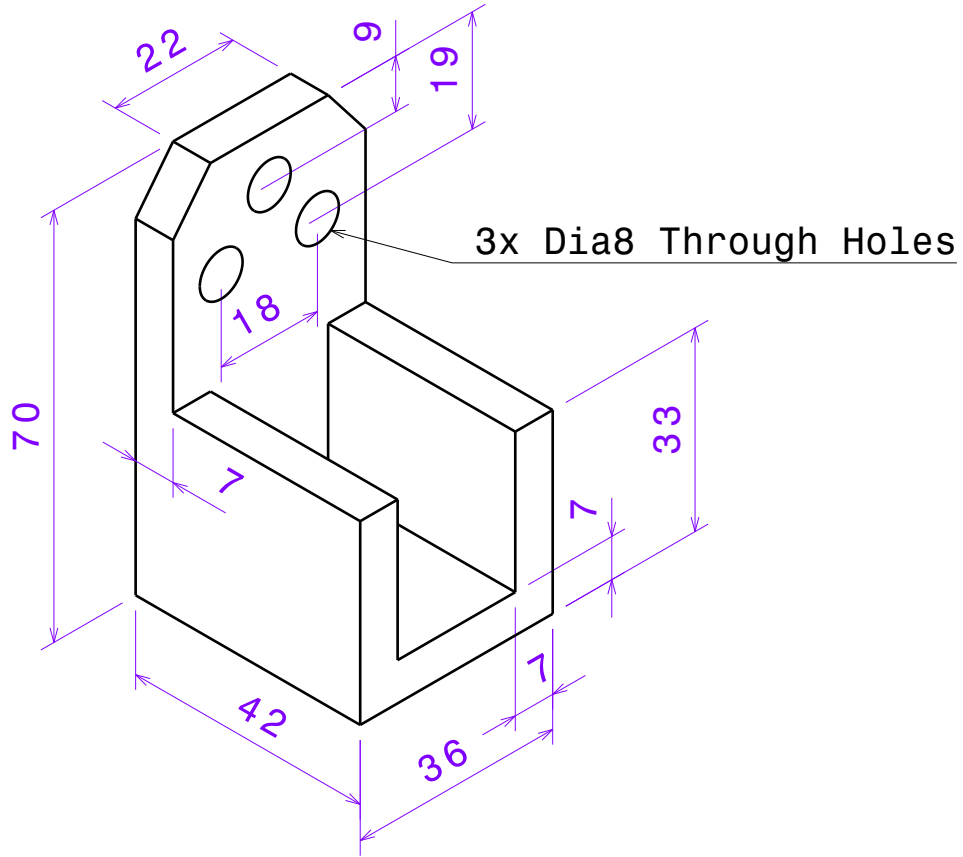
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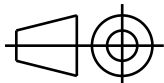
DESIGNED BY:
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 14

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SHEET

1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

This drawing is our property; it can't be reproduced or communicated without our written agreement.

D

A

4

3

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4

3

2

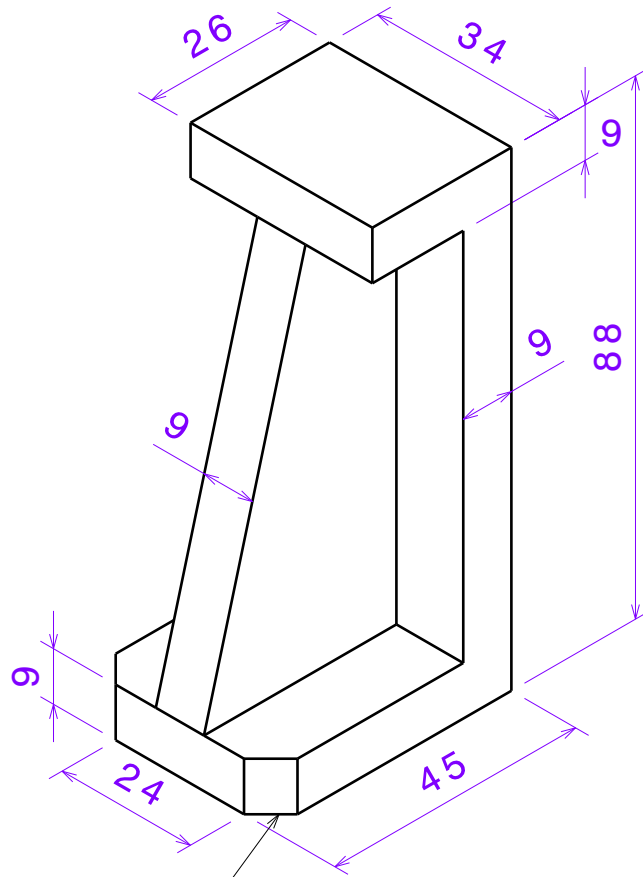
1

D

C

B

A



Chamfer 5x5 2x

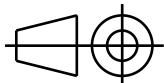
DESIGNED BY:
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 16

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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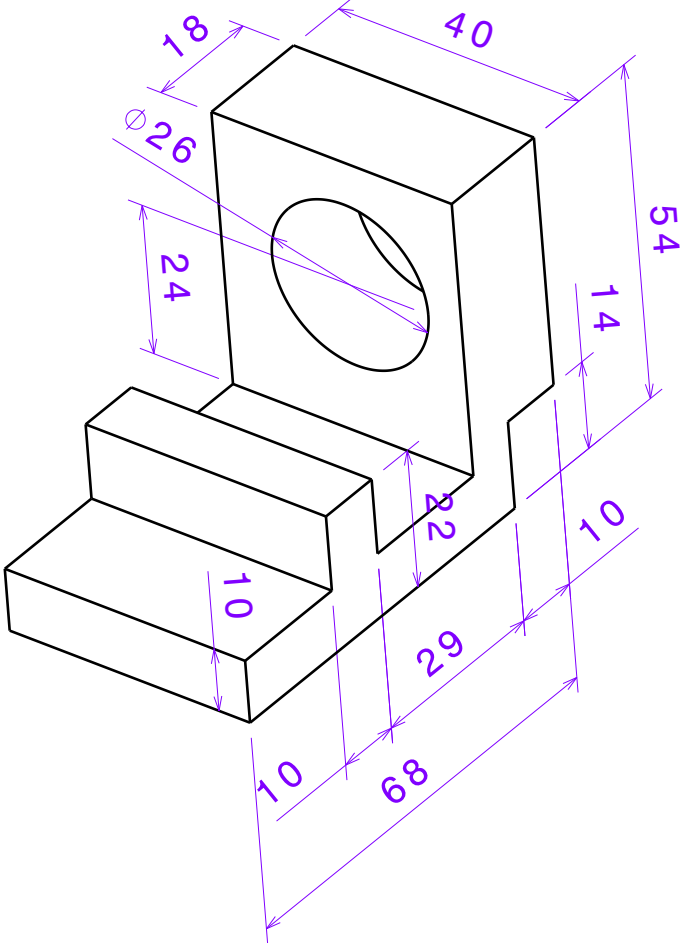
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D

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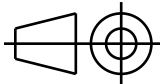
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LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 17

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

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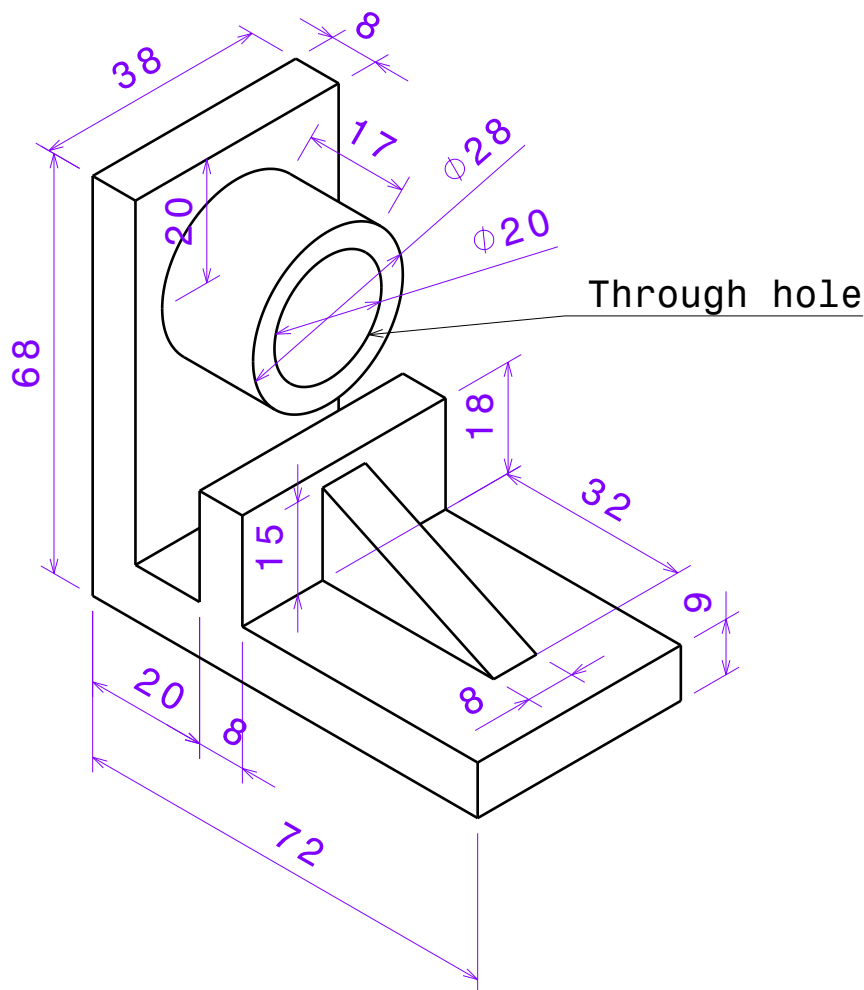
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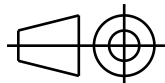
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 18

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SHEET

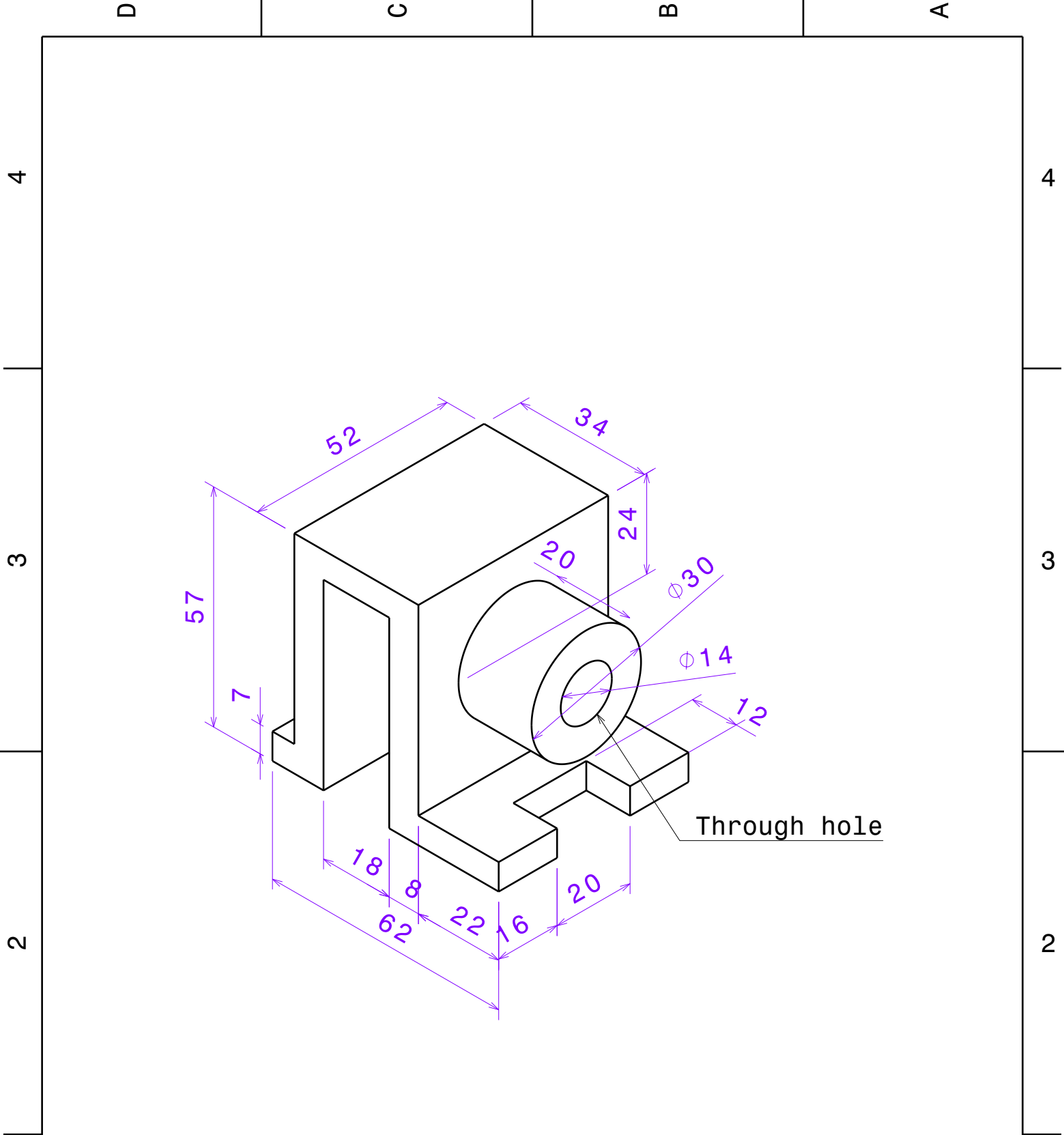
1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A



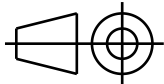
DESIGNED BY:
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 19

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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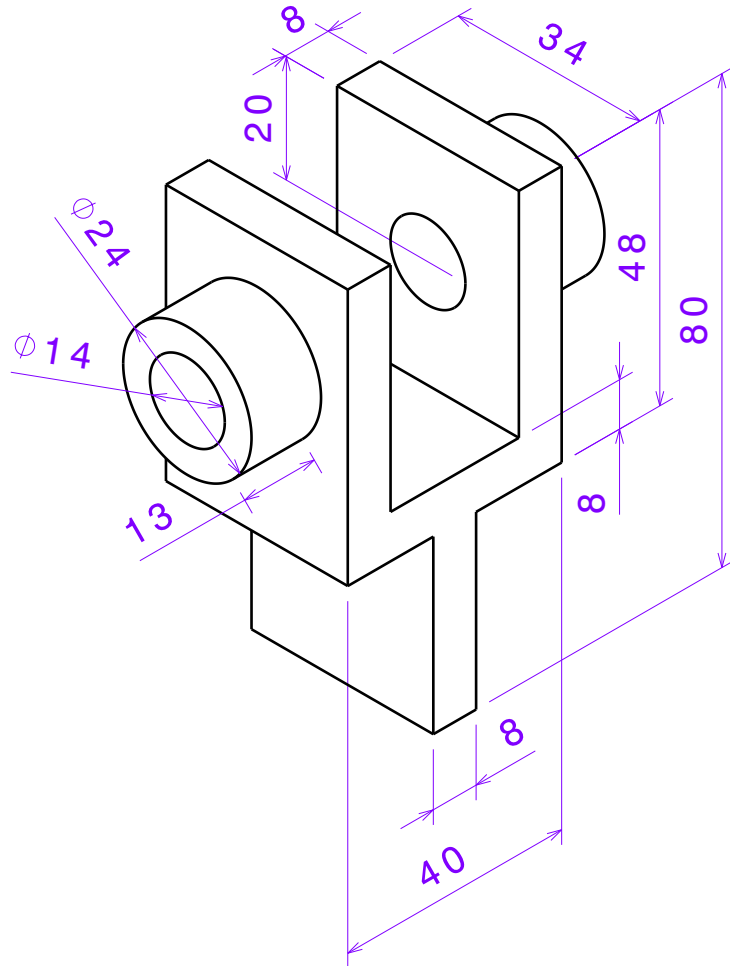
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D

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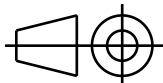
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LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 20

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A

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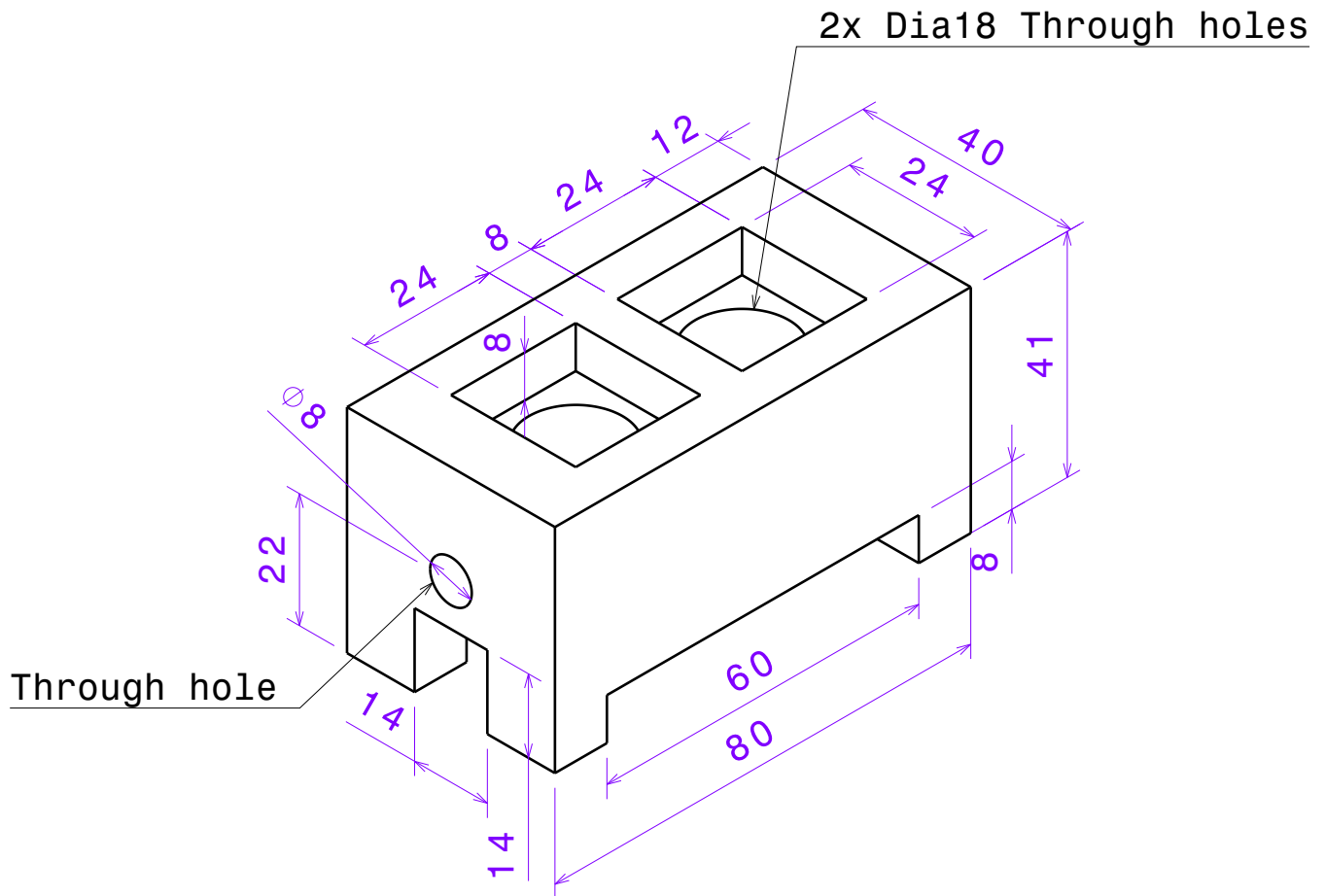
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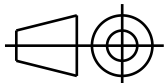
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 21

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A

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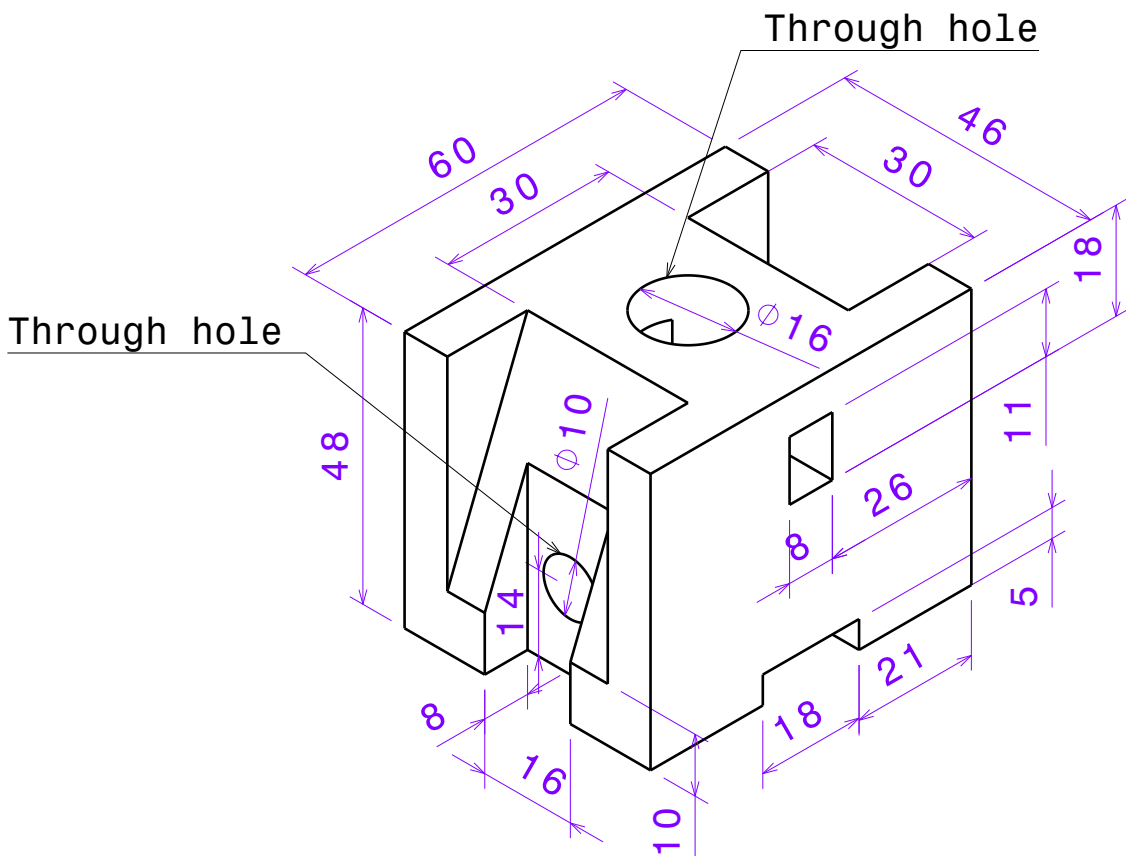
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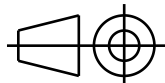
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LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 22

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SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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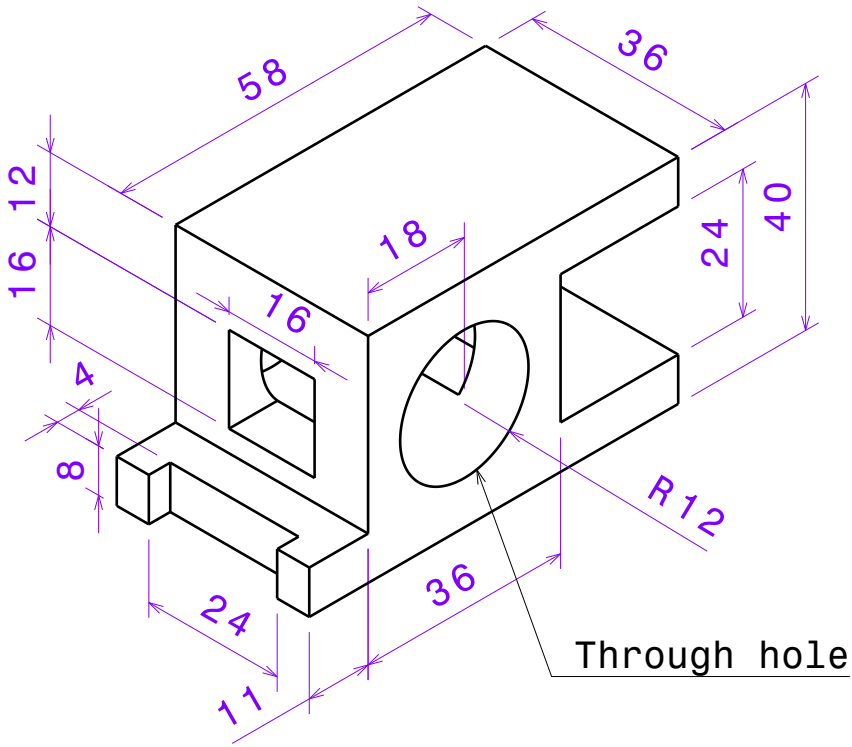
1

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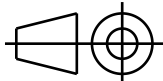
A



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 23

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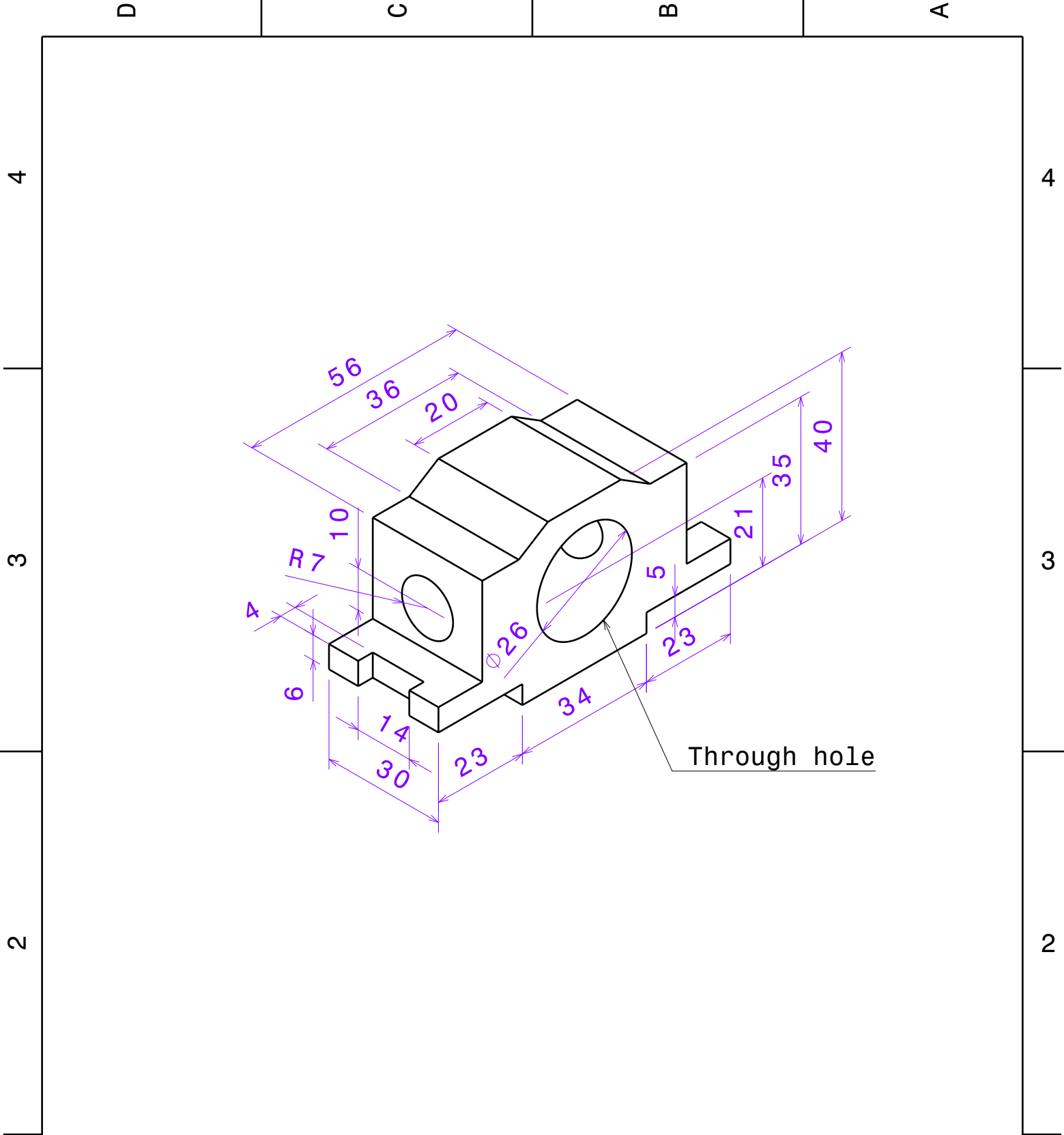
SHEET
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
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E	—
D	—
C	—
B	—
A	—

D

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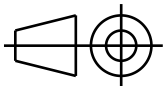
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 24

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

C

B

A

4

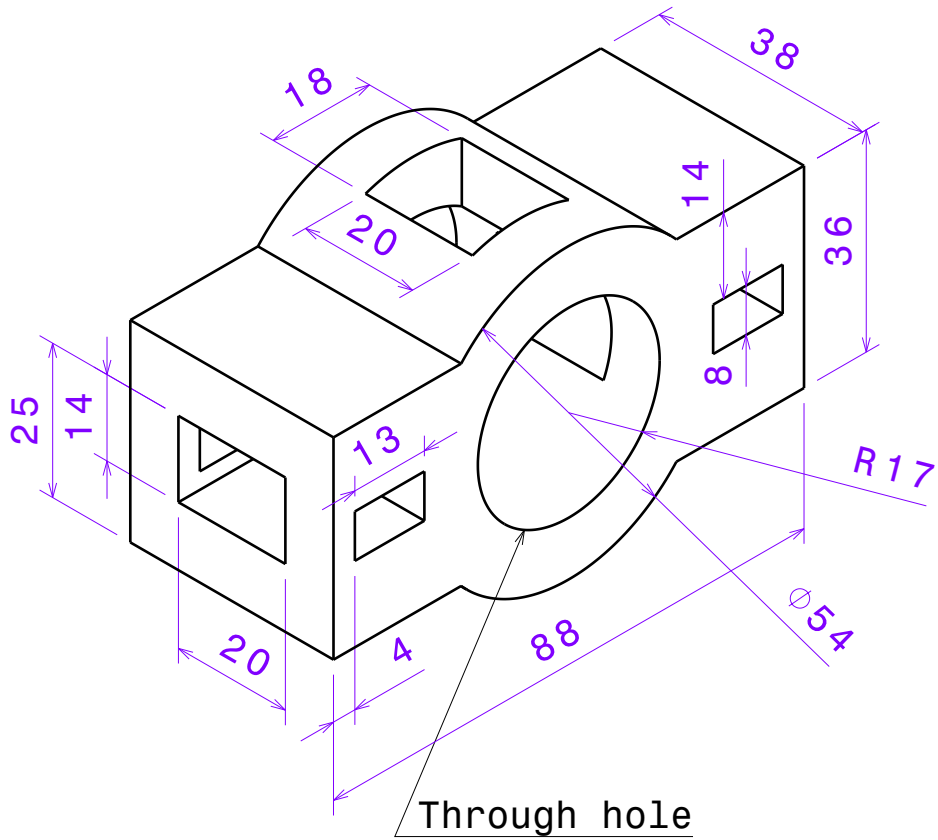
4

3

3

2

2



3

2

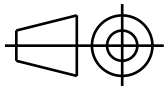
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 25

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

1

D

A

D

C

B

A

4

4

3

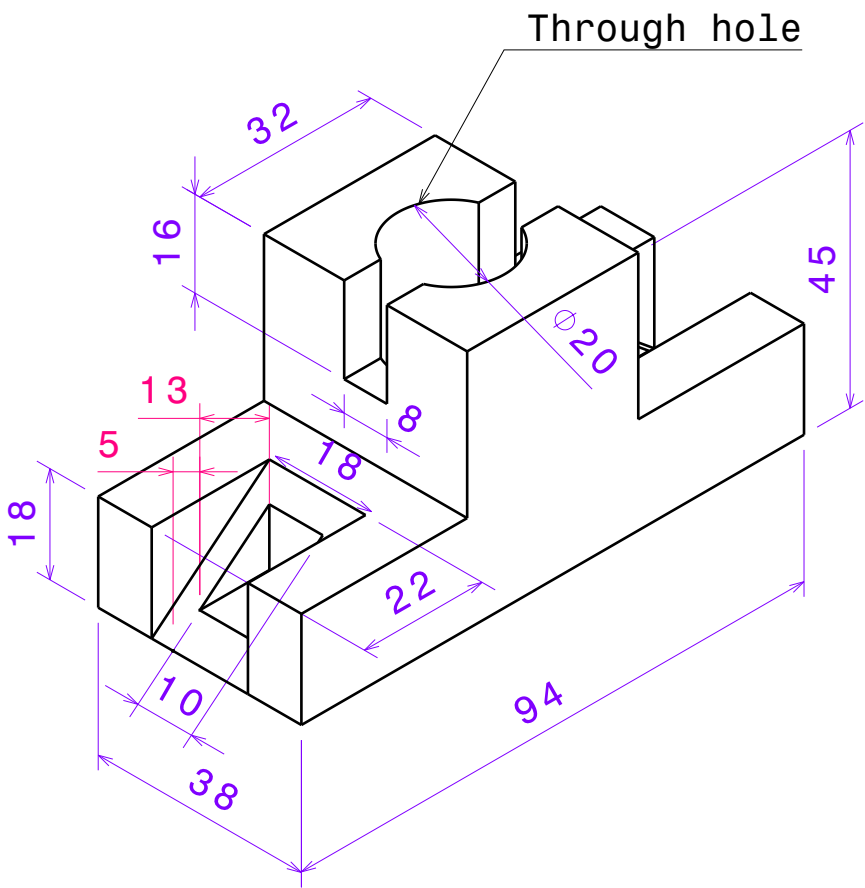
3

2

2

1

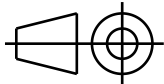
1



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 26

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A

4

4

3

3

2

2

1

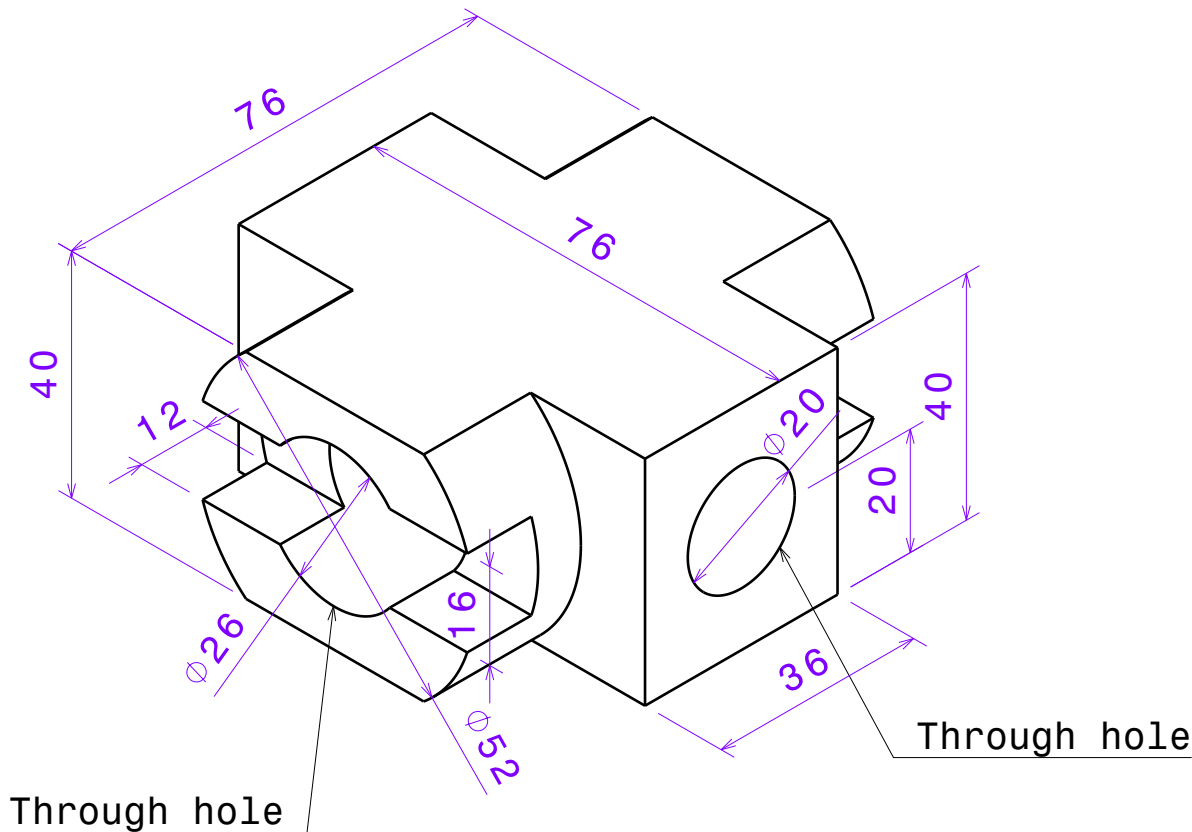
1

D

C

B

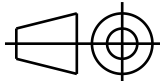
A



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 27

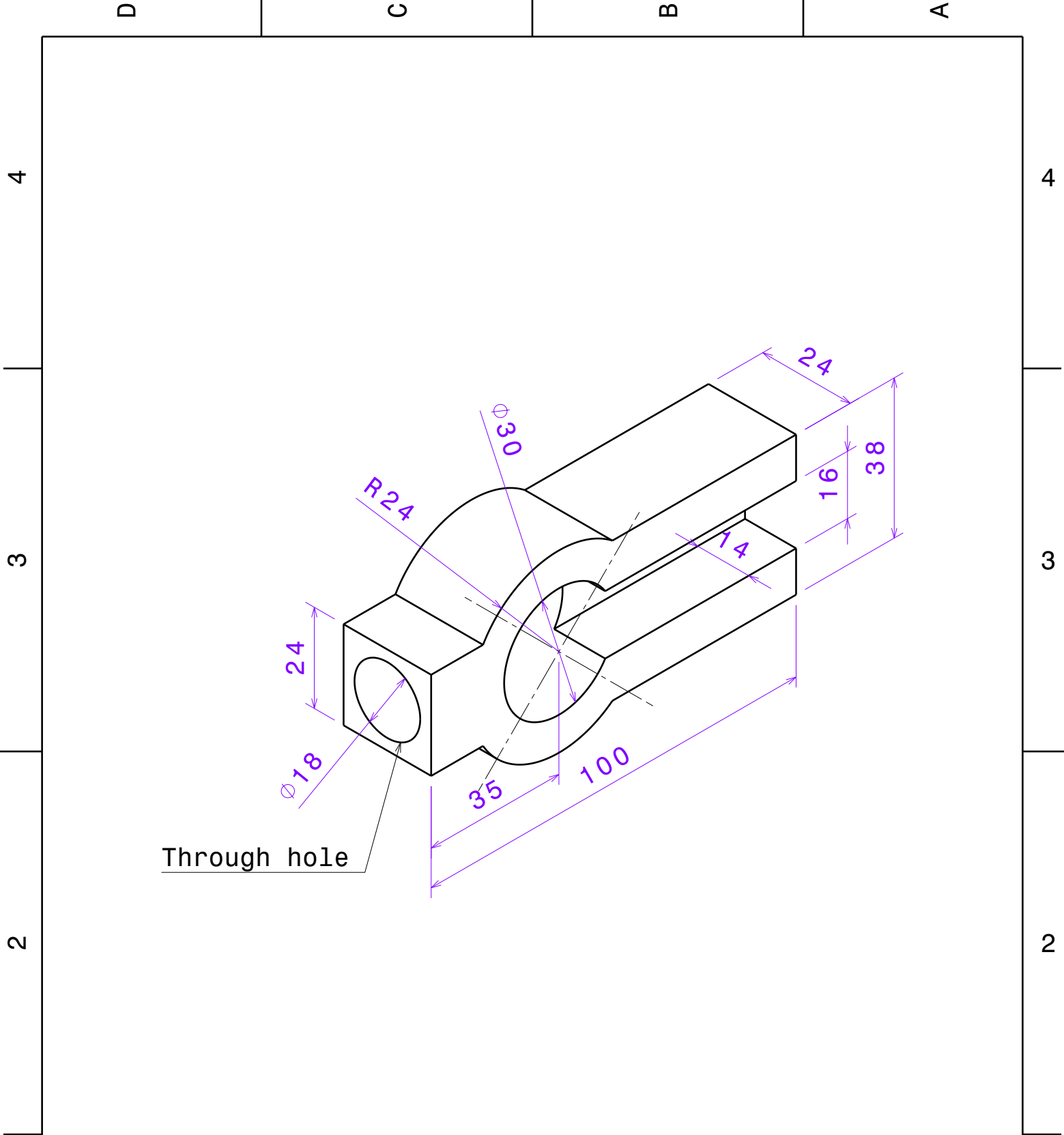
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

D

A



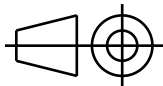
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 29

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

1

4

3

2

1

4

3

2

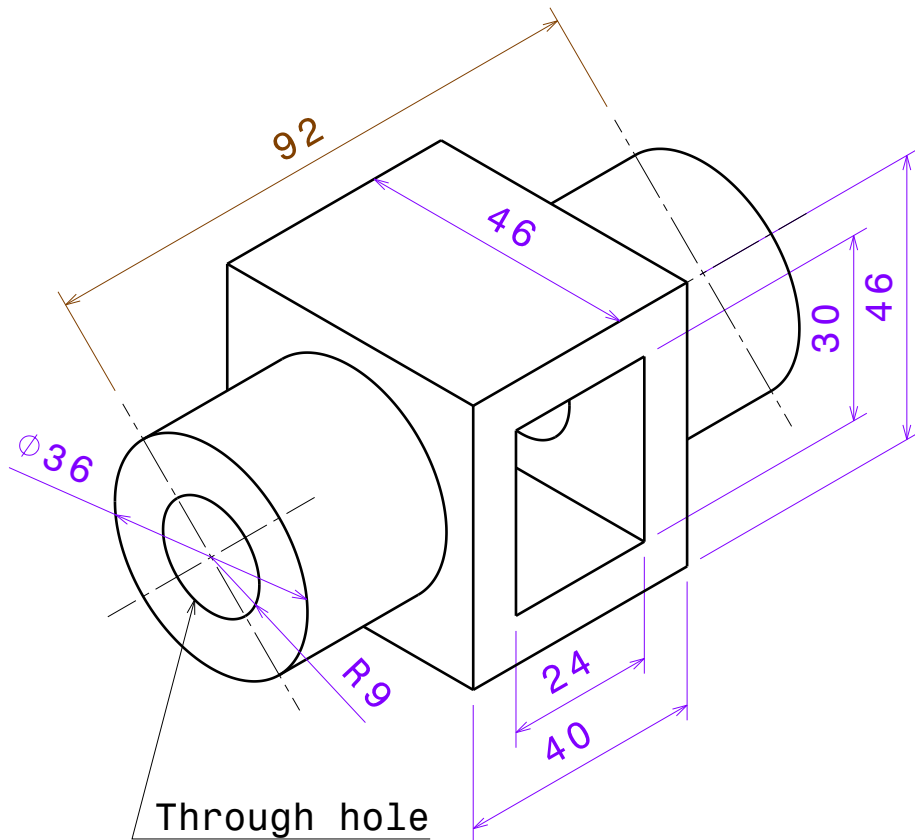
1

D

C

B

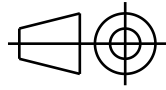
A



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 31

engineeringcadcamcae2018@gmail.com 1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

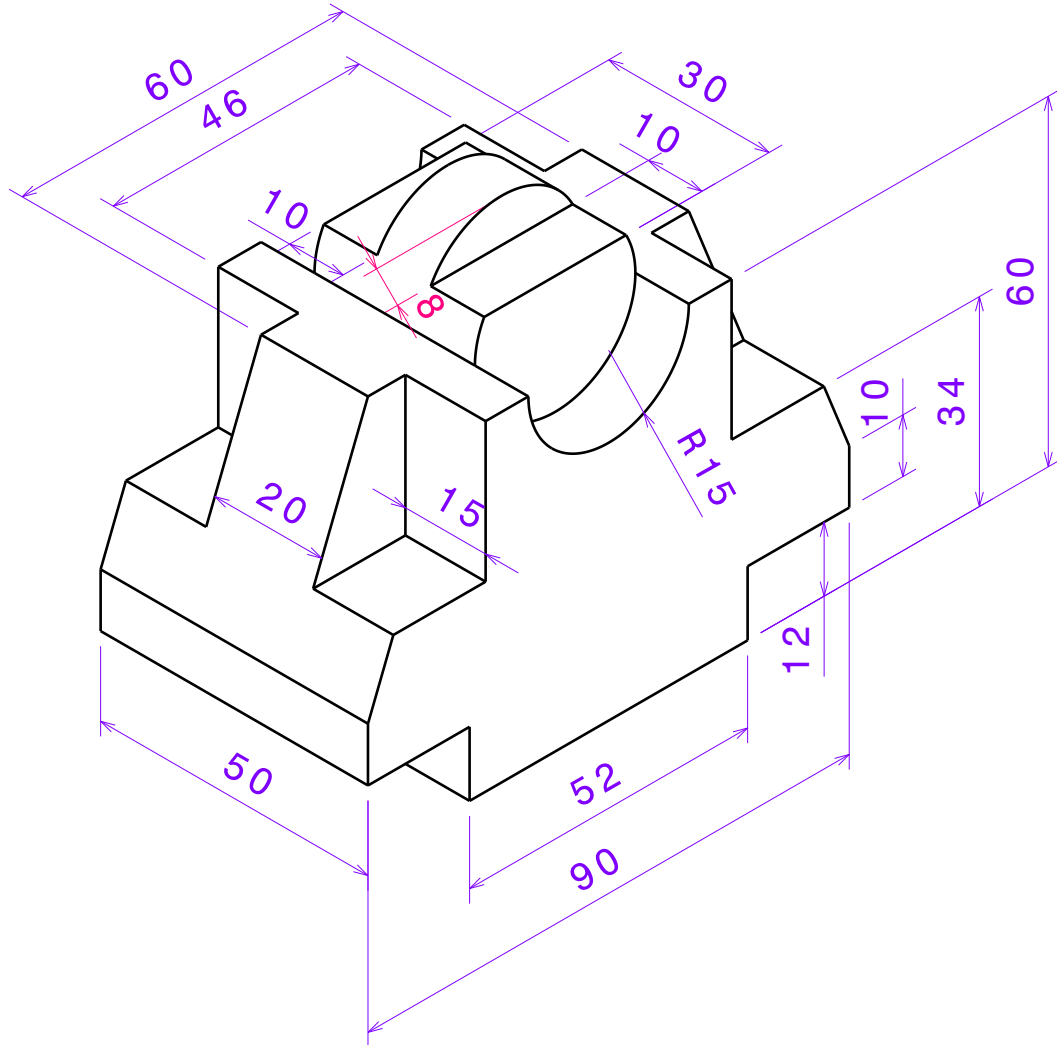
A

D

C

B

A



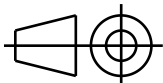
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 32

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A

4

3

2

1

4

3

2

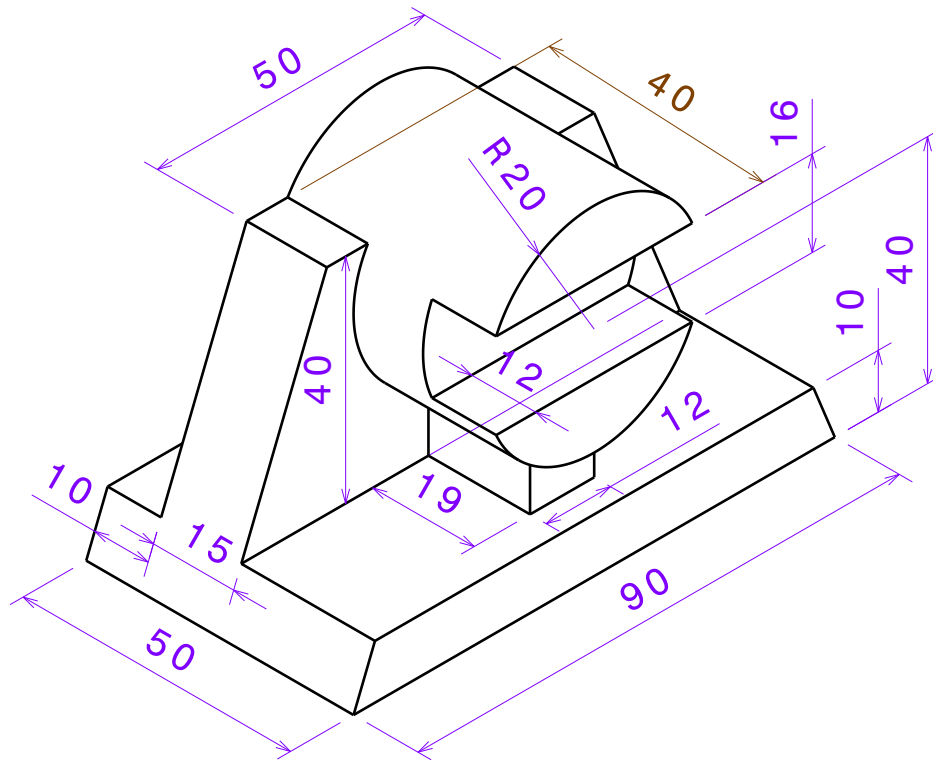
1

D

C

B

A



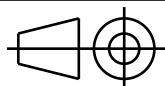
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 33

engineeringcadcamcae2018@gmail.com

SHEET

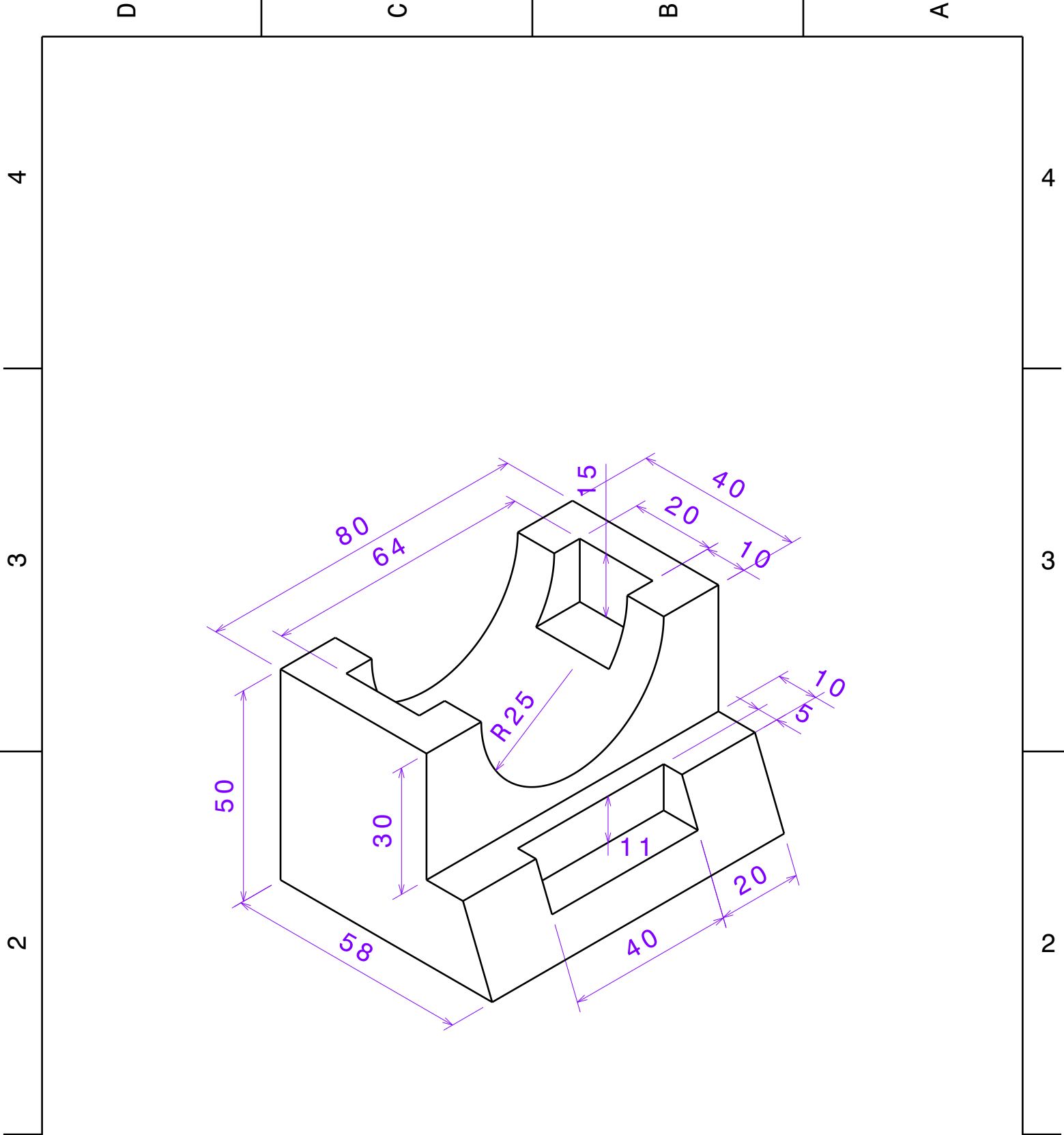
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A



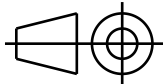
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 34

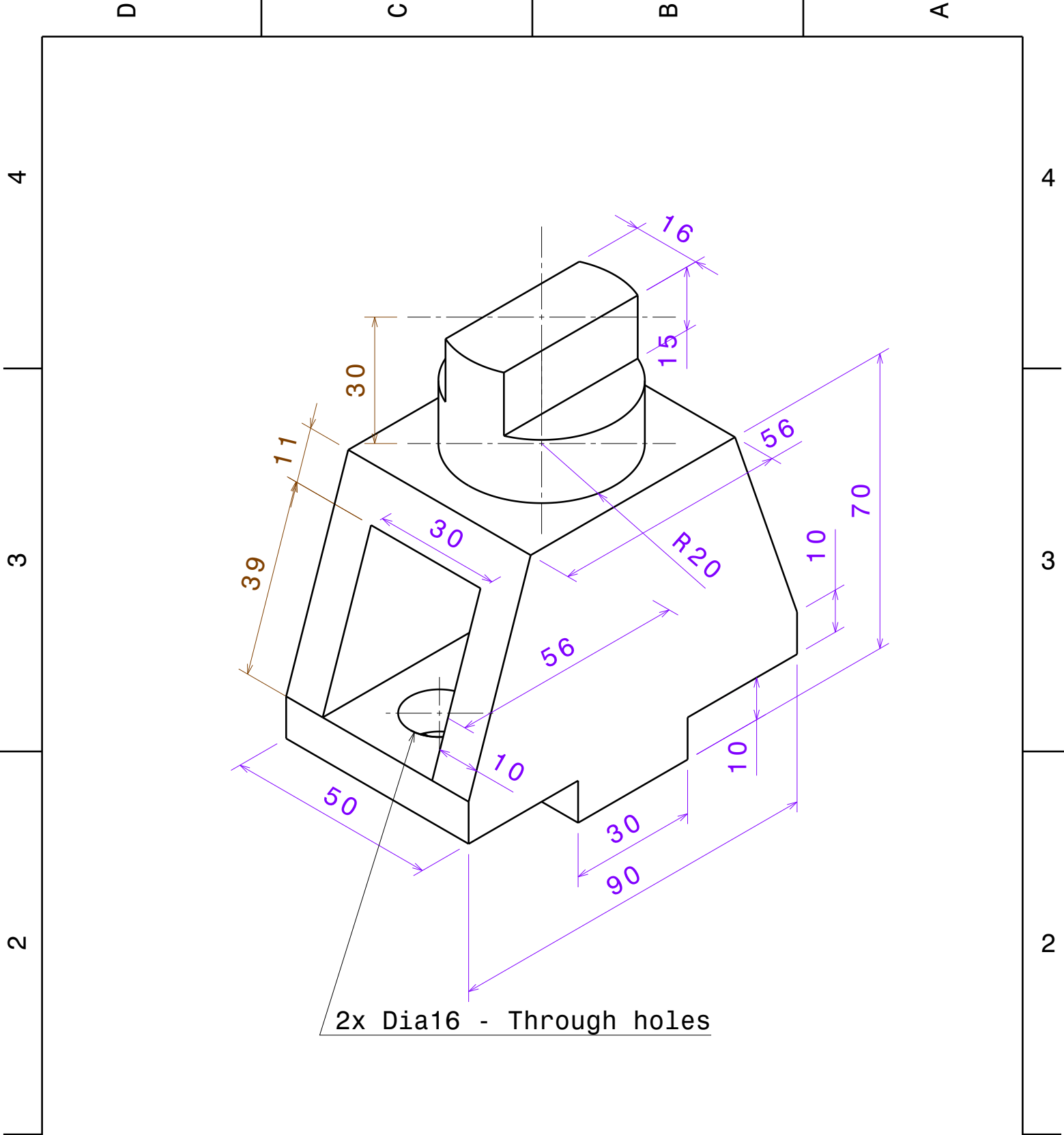
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

This drawing is our property; it can't be reproduced or communicated without our written agreement.



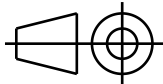
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 35

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

4

4

3

3

2

2

1

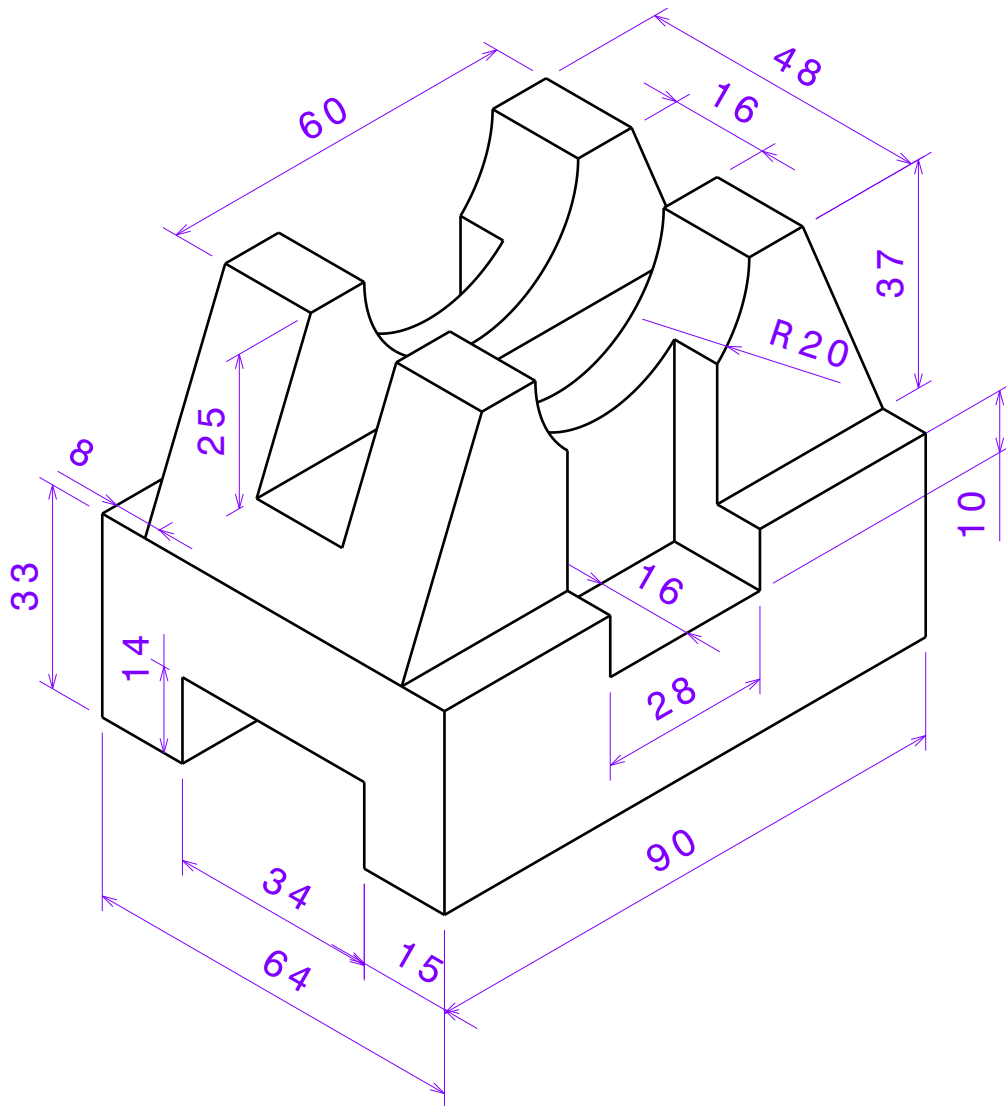
1

D

C

B

A



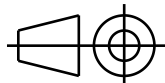
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 36

engineeringcadcamcae2018@gmail.com

SHEET

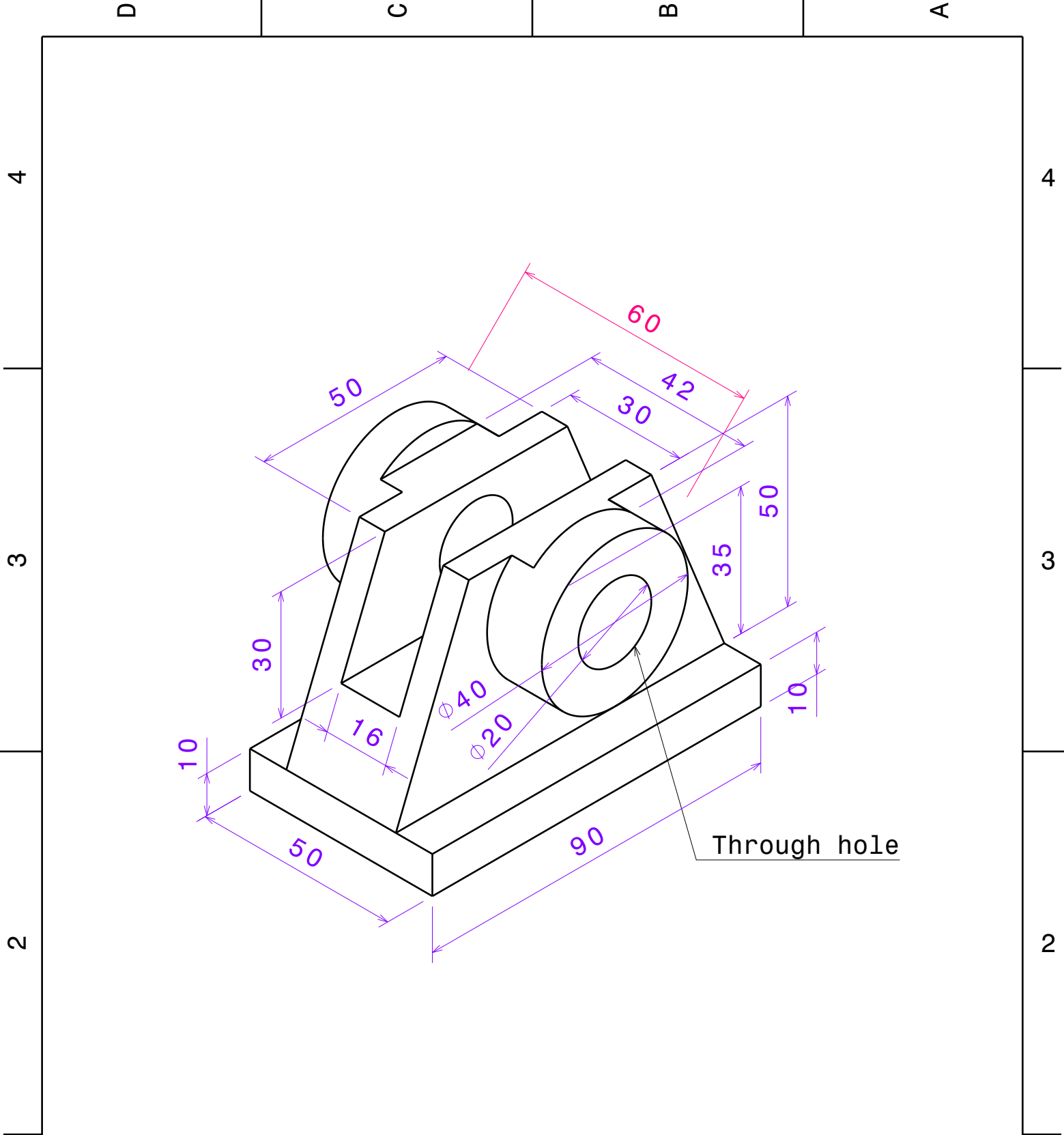
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A



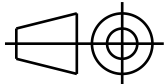
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 37

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

4

3

2

1

D

C

B

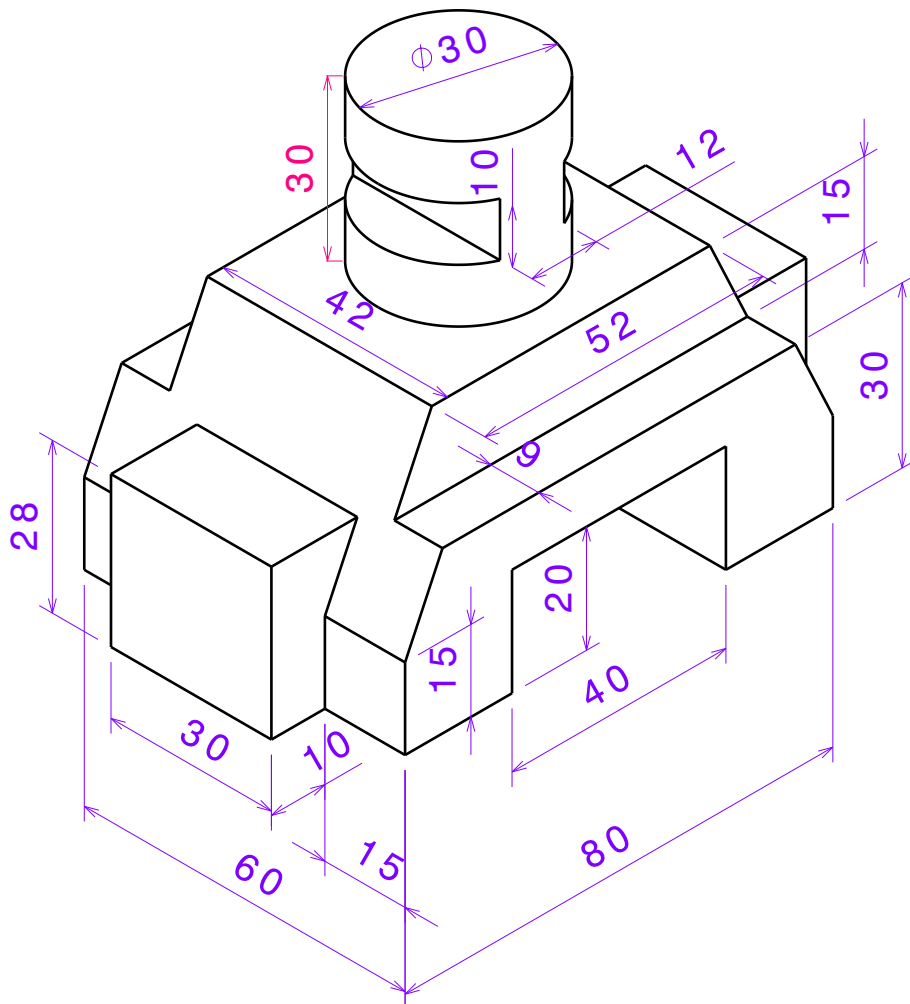
A

4

3

2

1



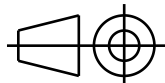
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 38

engineeringcadcamcae2018@gmail.com

SHEET

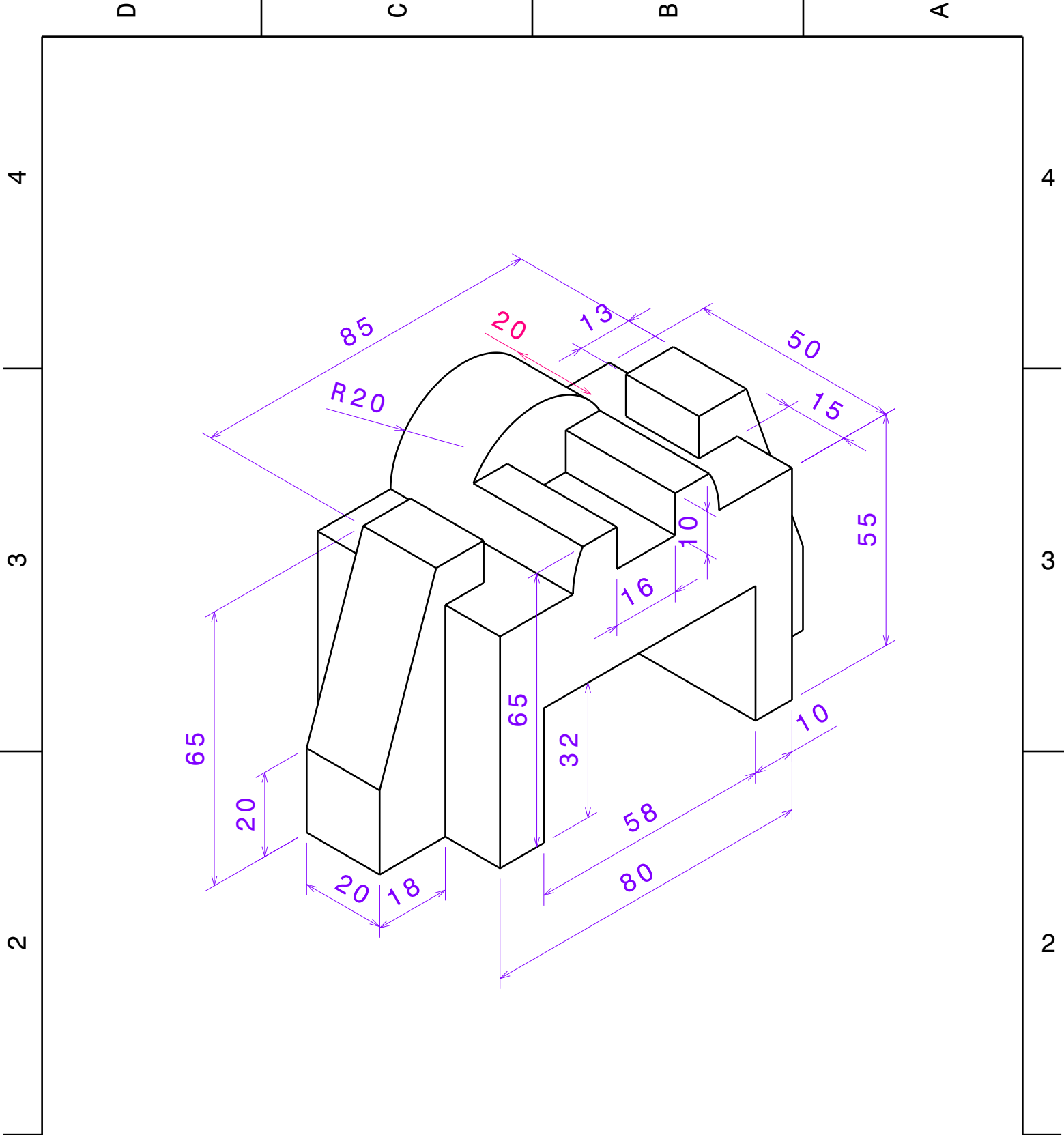
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

D

A



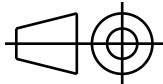
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 39

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

4

3

2

1

4

3

2

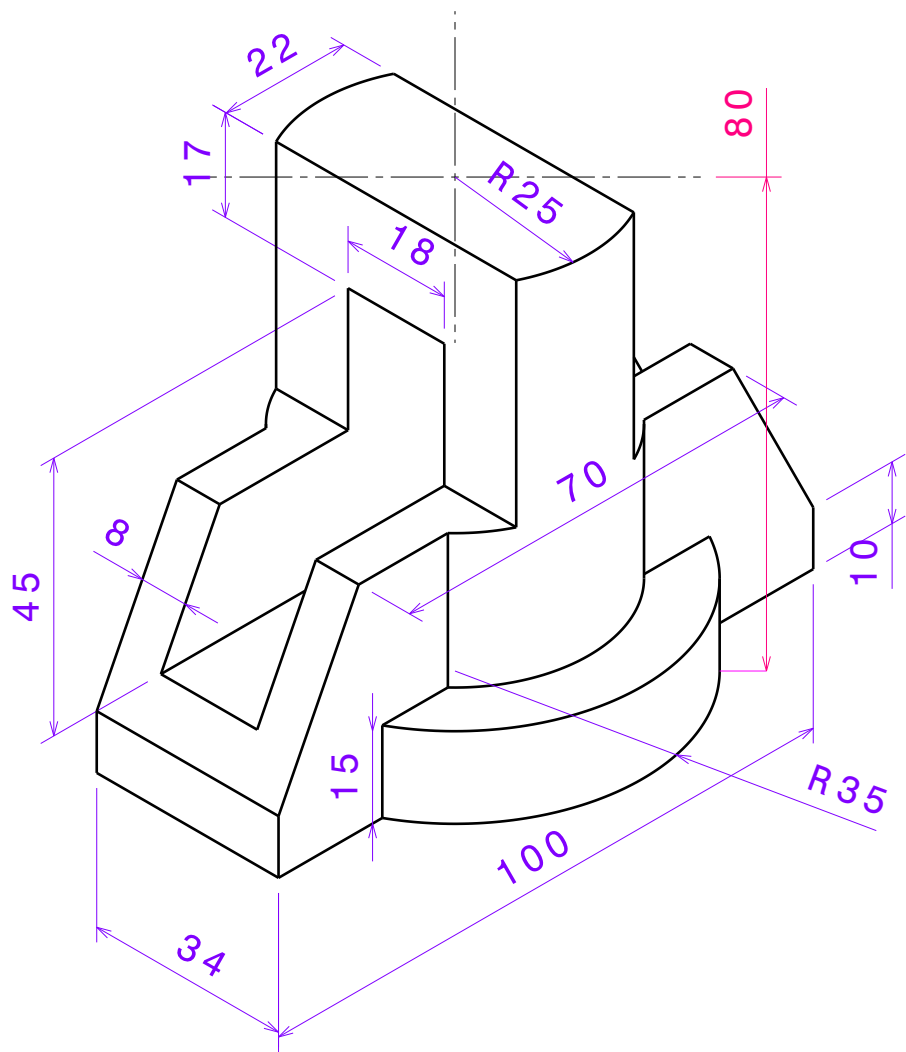
1

D

C

B

A



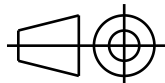
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 40

engineeringcadcamcae2018@gmail.com

SHEET

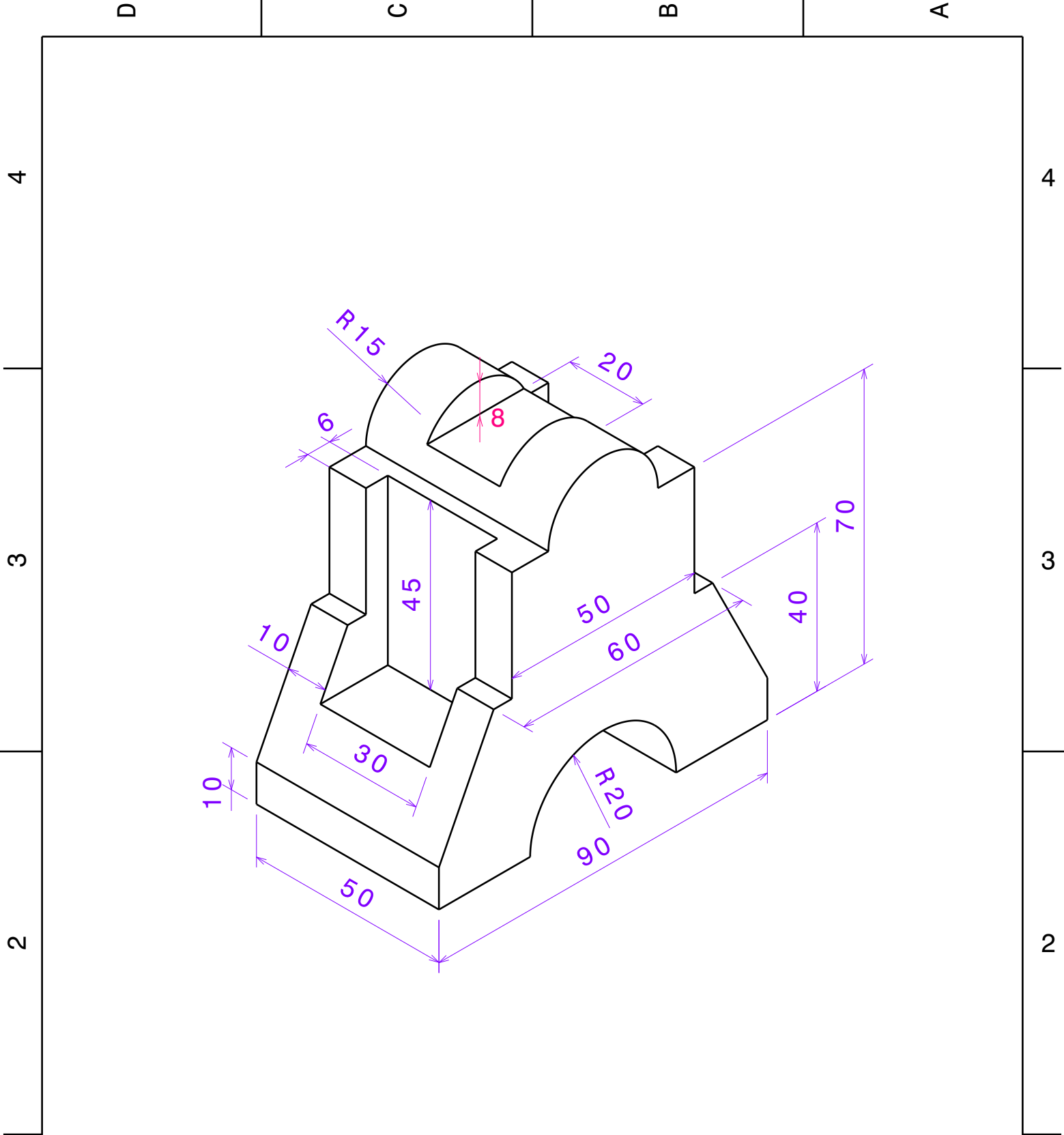
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A



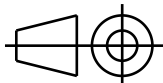
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 41

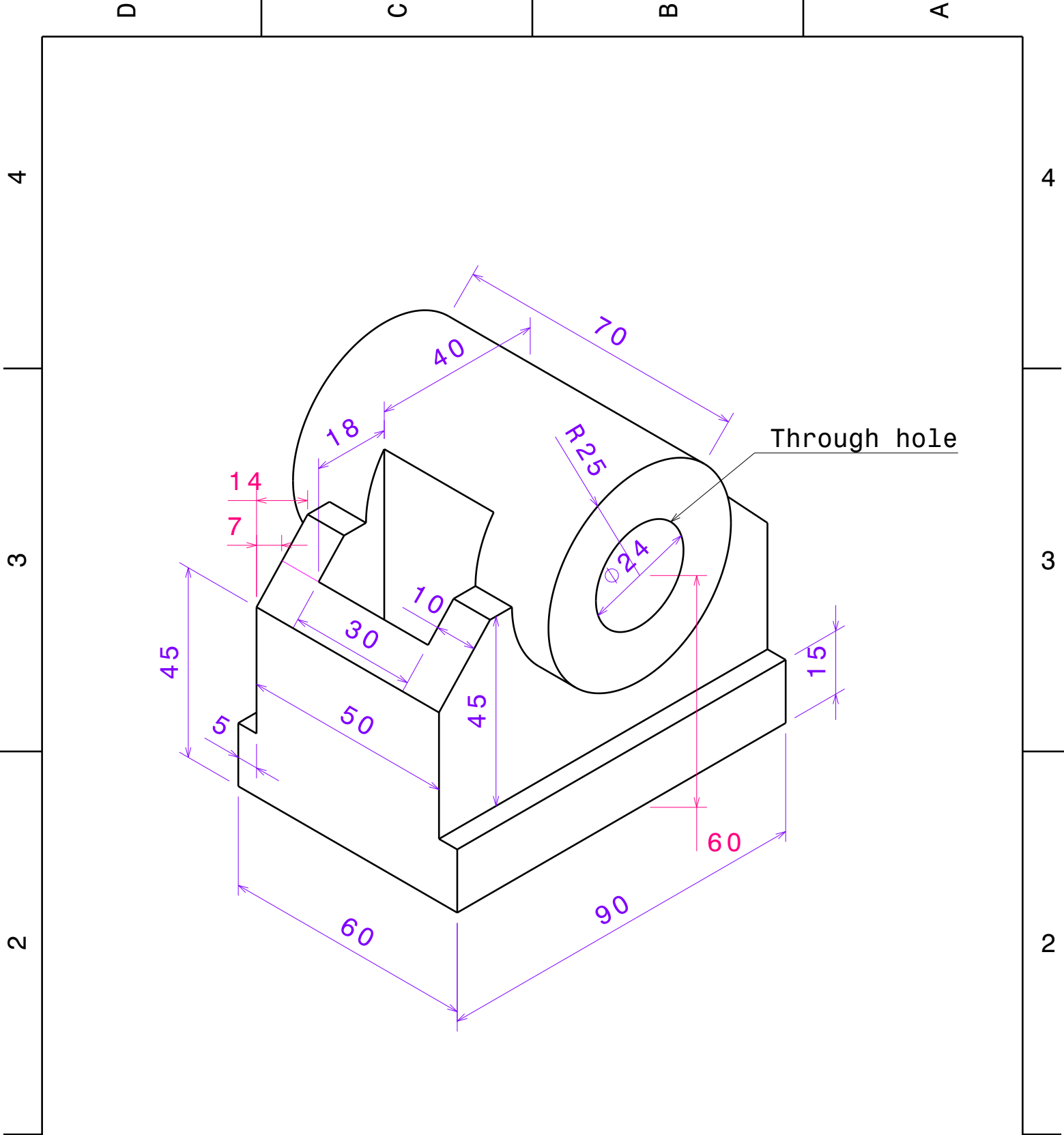
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



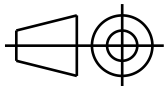
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 42

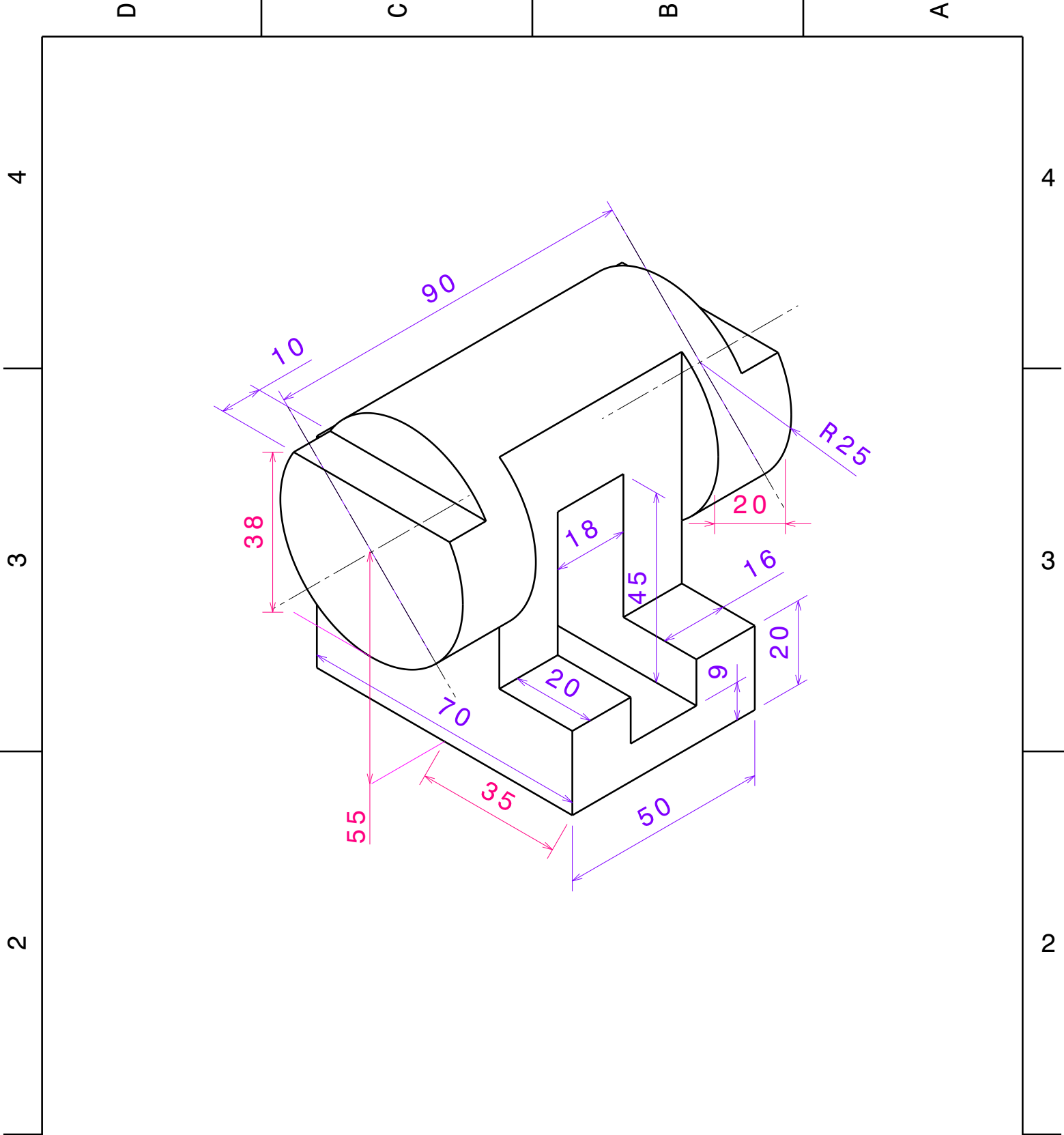
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

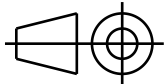
I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

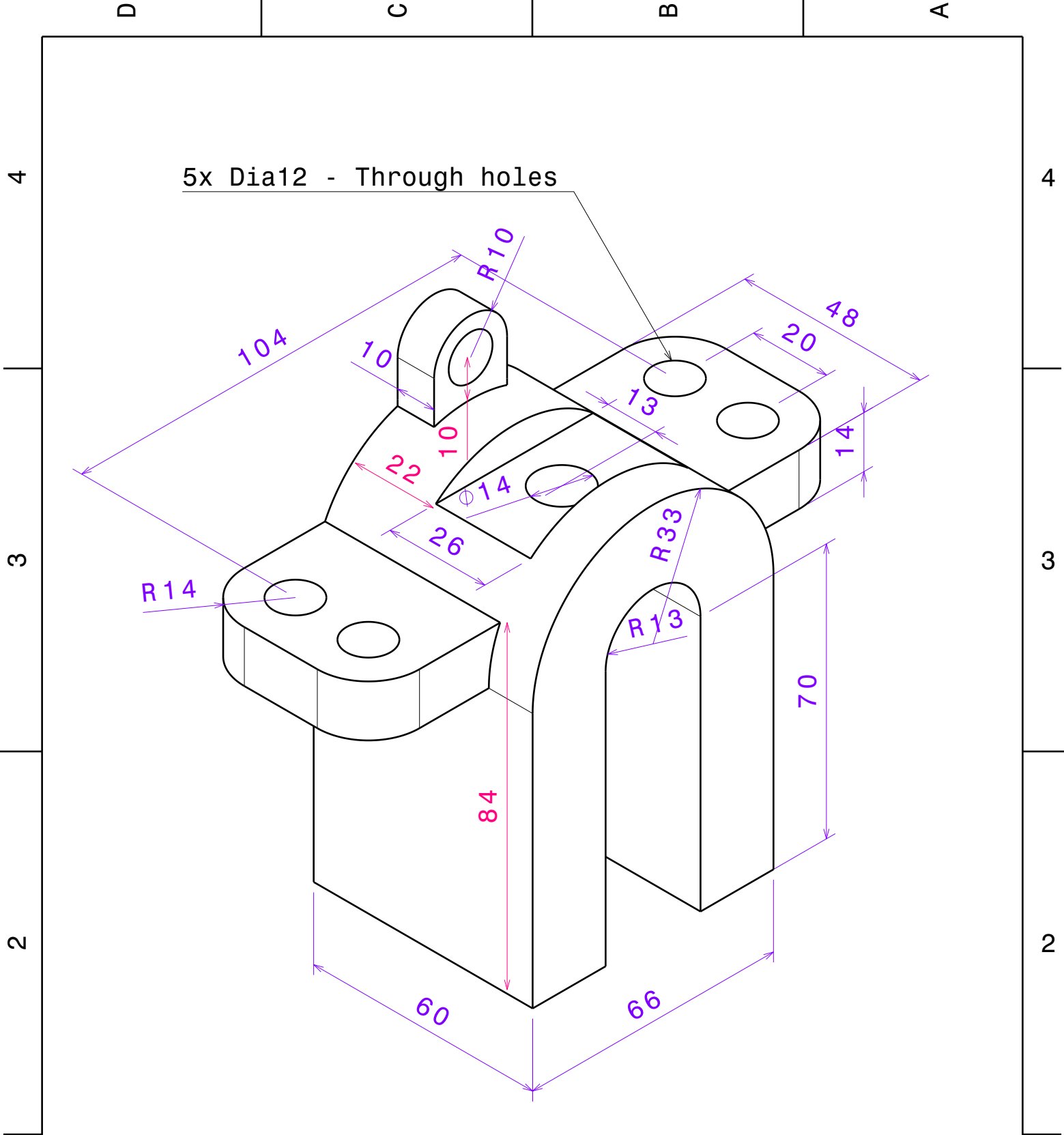
ENGINEERING CAD CAM CAE

EXERCISE NO.: 43

engineeringcadcamcae2018@gmail.com 1/1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



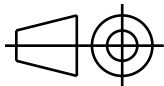
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 44

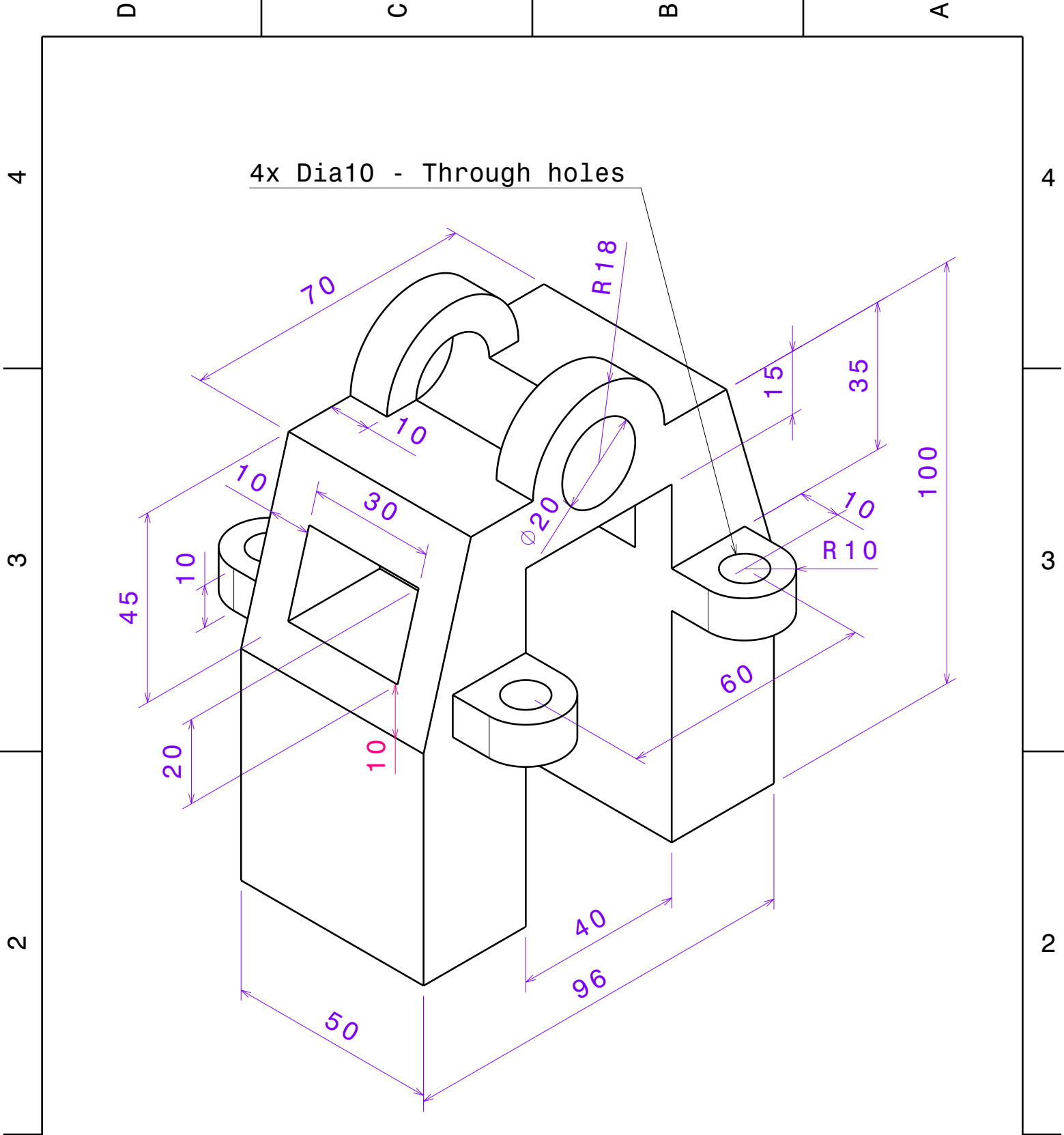
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

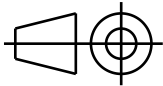
This drawing is our property; it can't be reproduced or communicated without our written agreement.



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



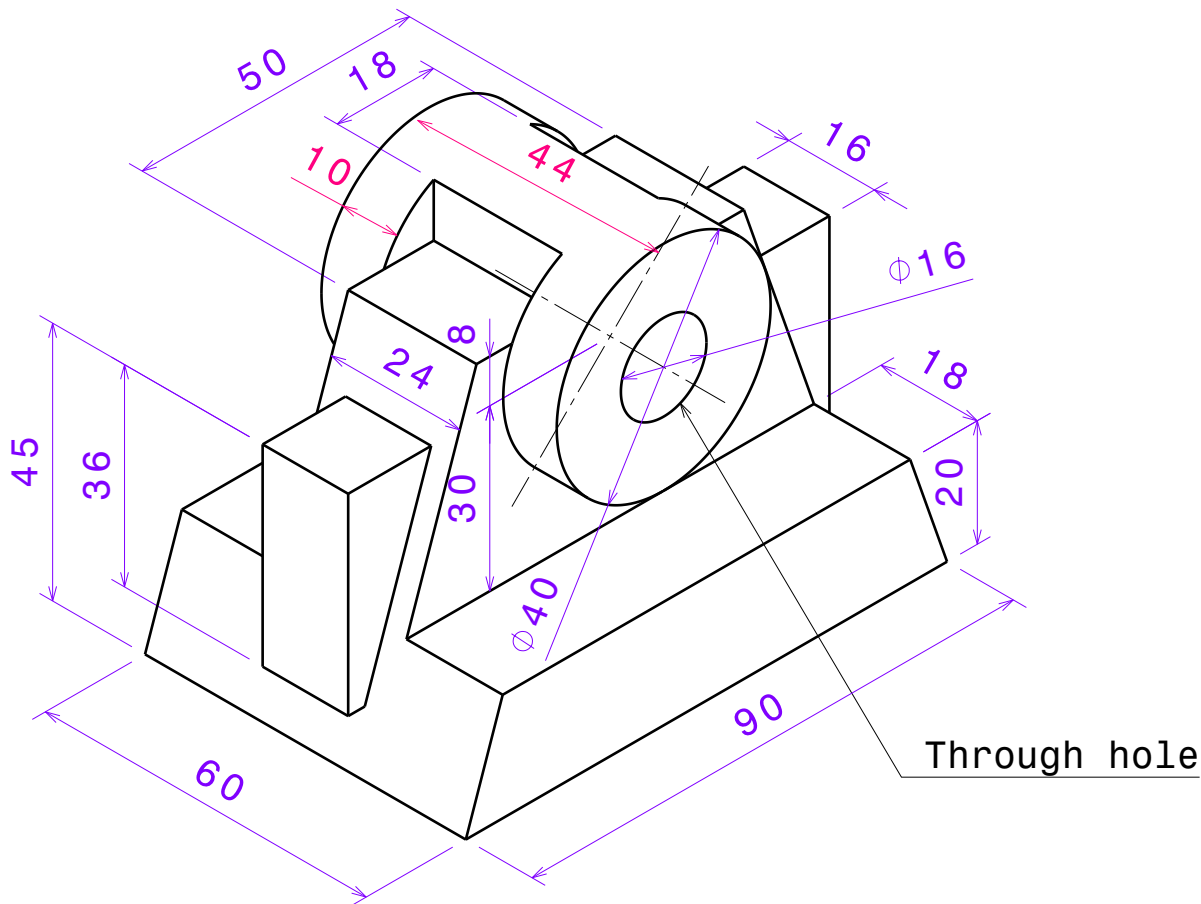
SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 45

engineeringcadcamcae2018@gmail.com **1 / 1**

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



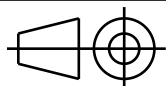
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 47

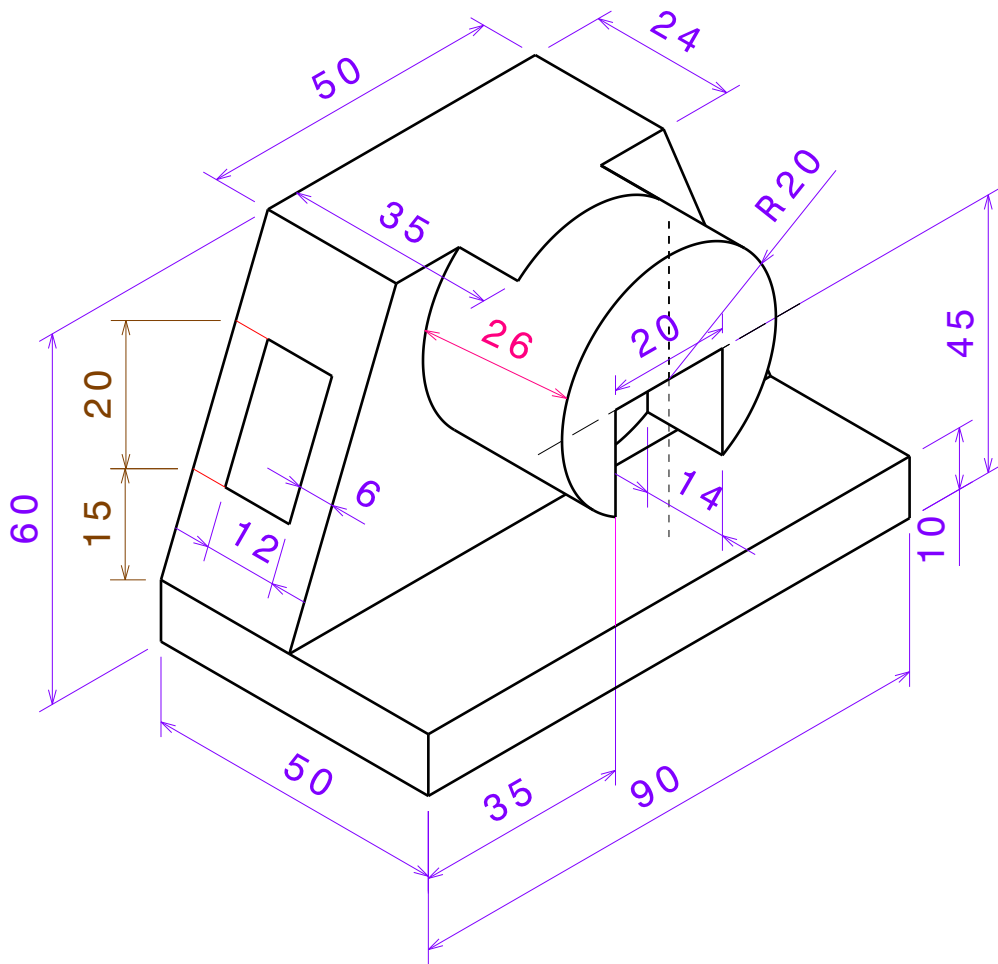
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



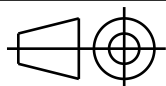
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 48

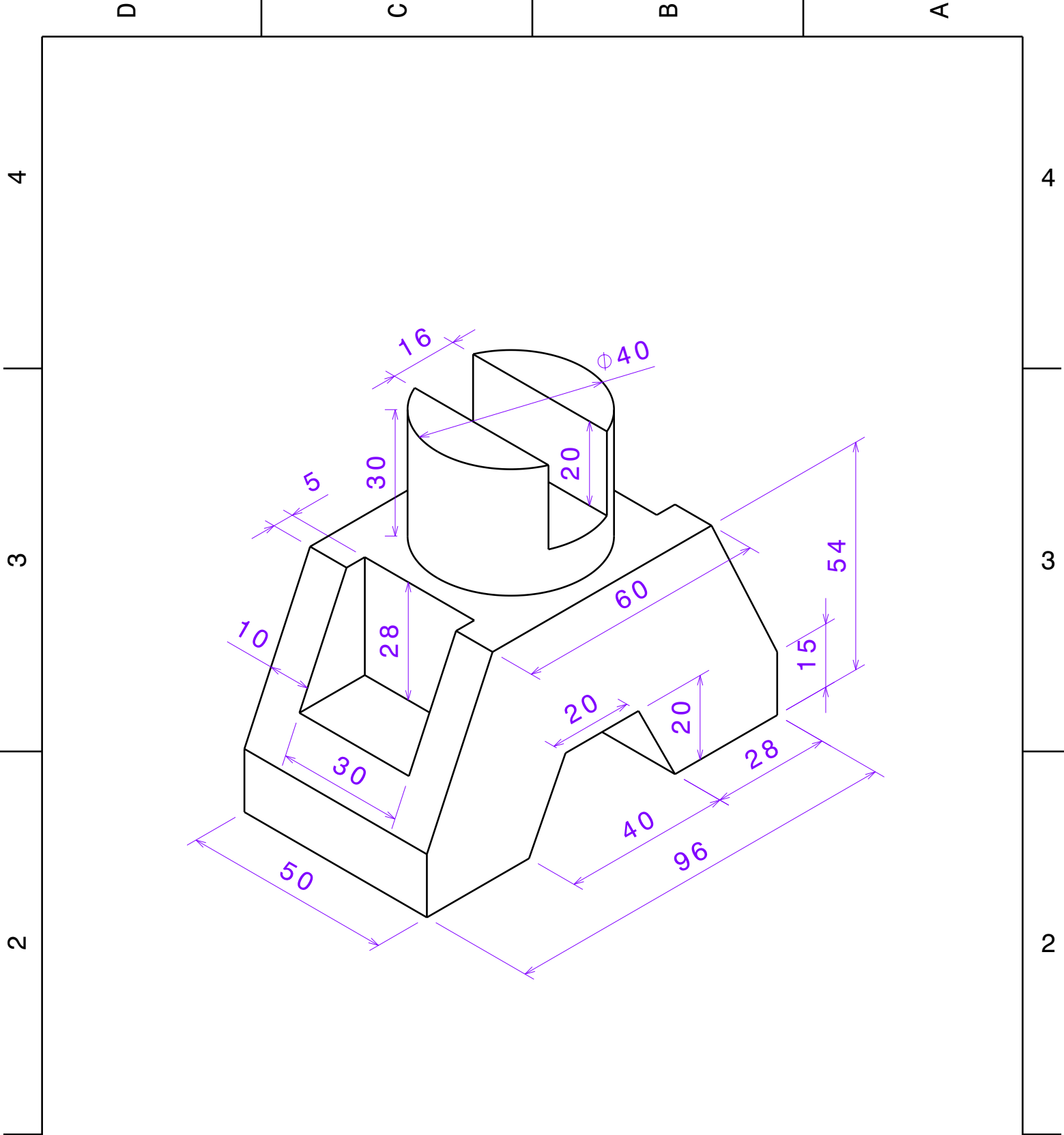
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



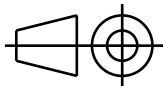
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 49

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

4

4

3

3

2

2

1

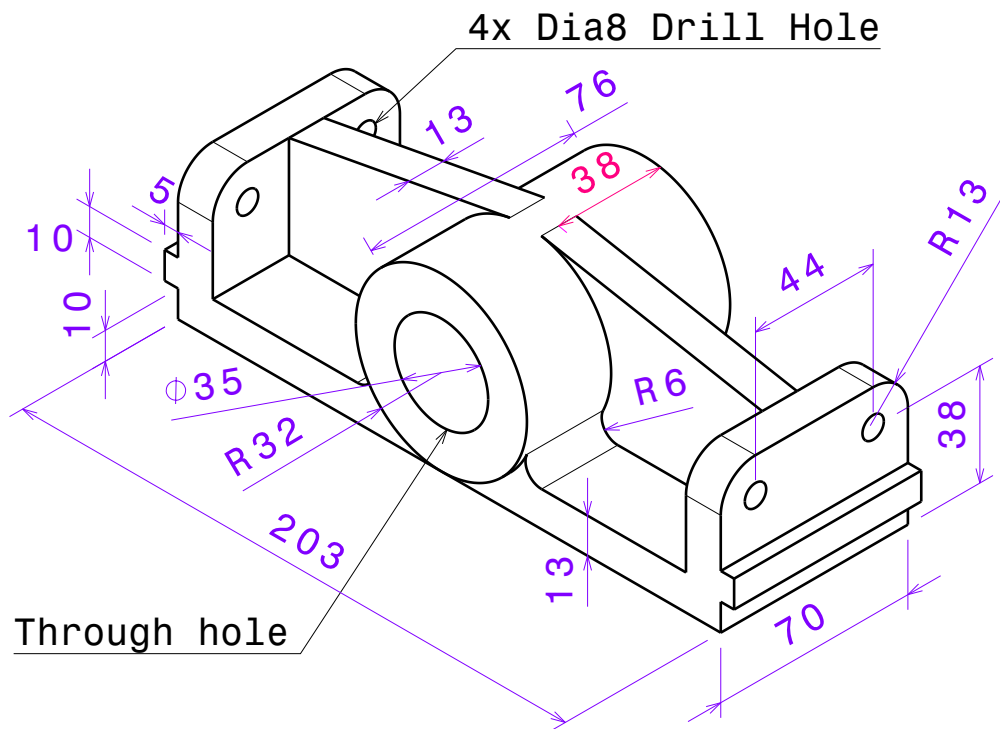
1

D

C

B

A



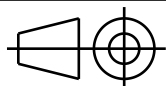
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 51

engineeringcadcamcae2018@gmail.com

SHEET

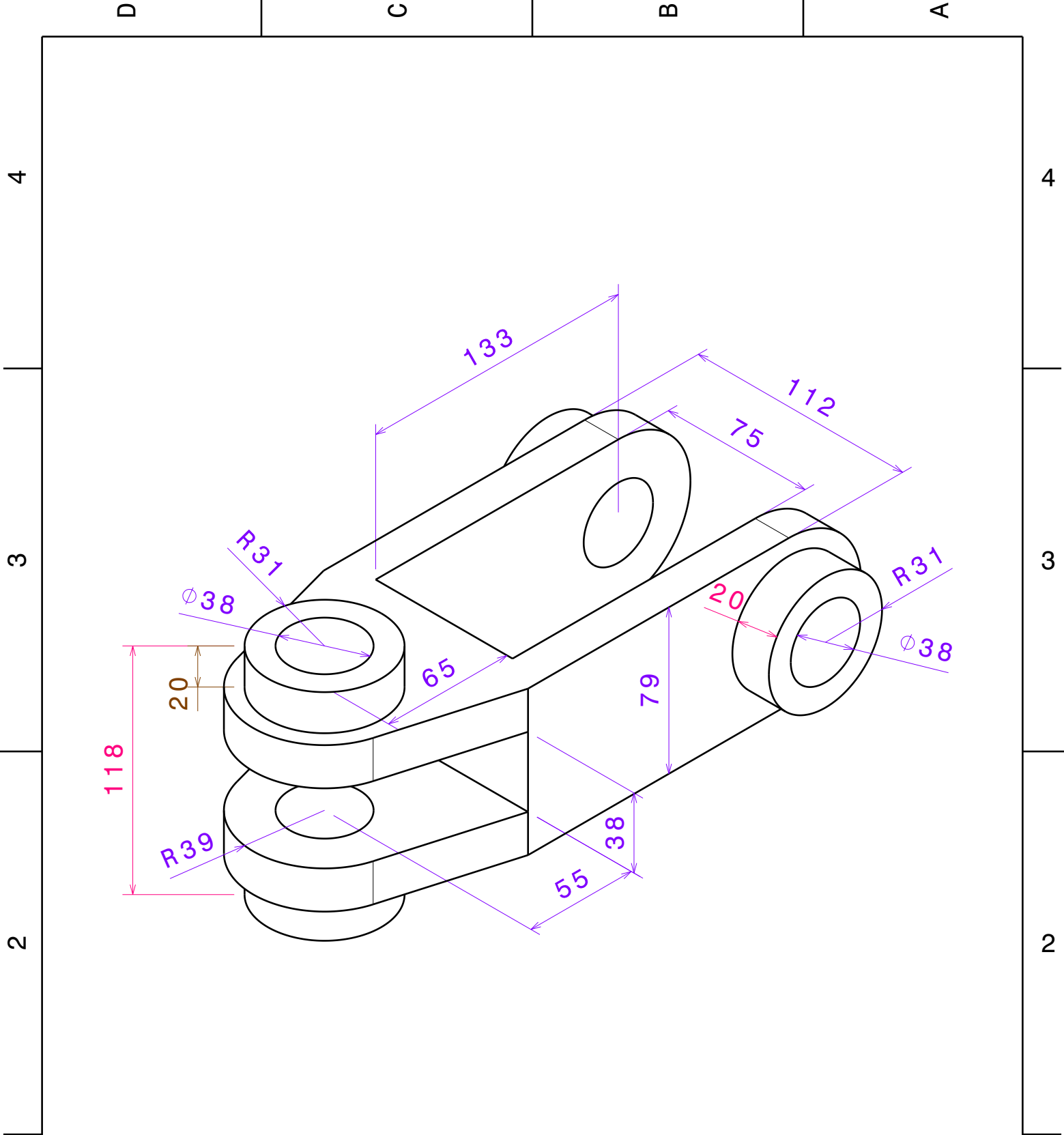
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

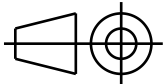
A



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

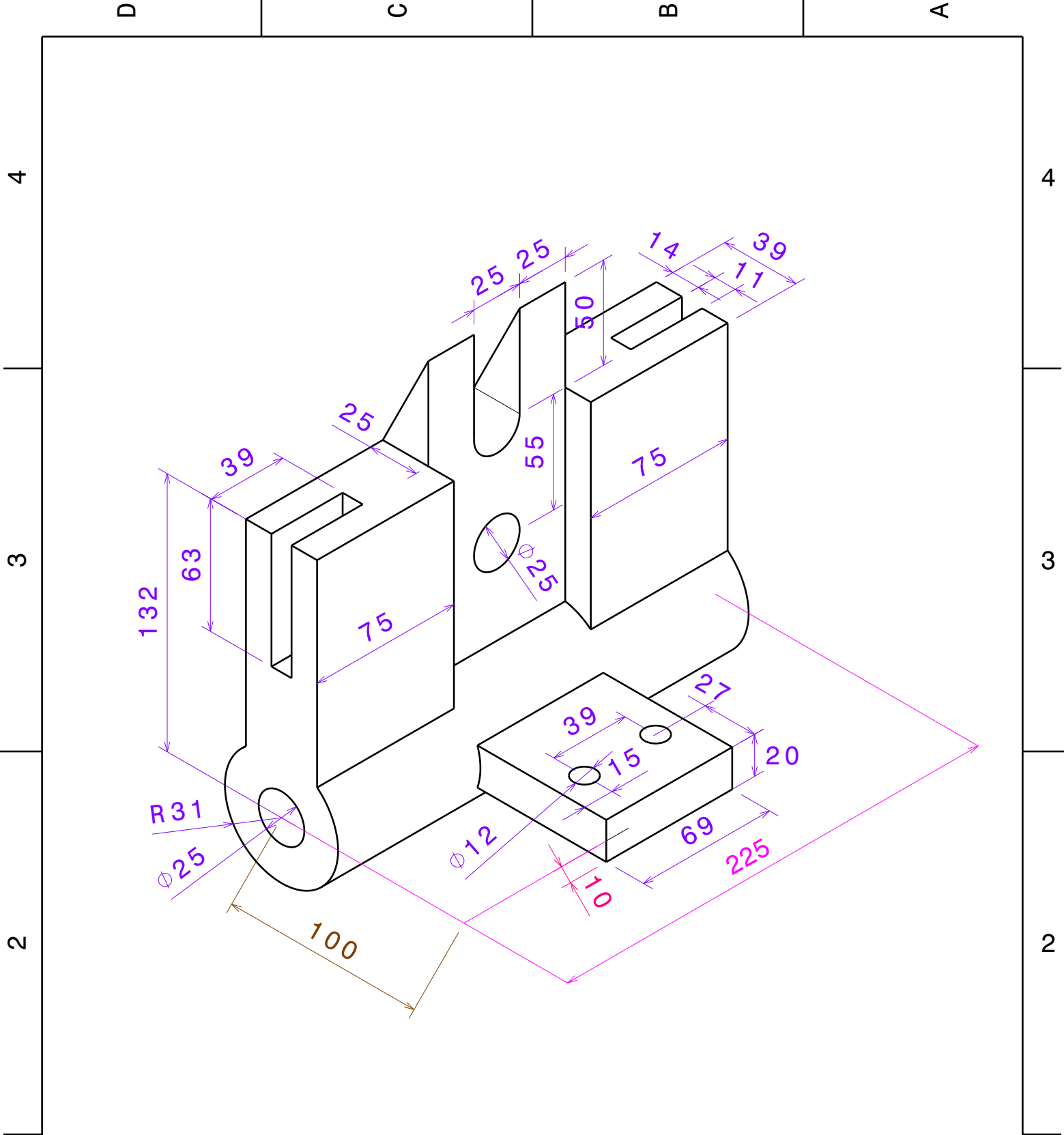
ENGINEERING CAD CAM CAE

EXERCISE NO.: 52

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



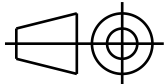
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 53

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

4

4

3

3

2

2

1

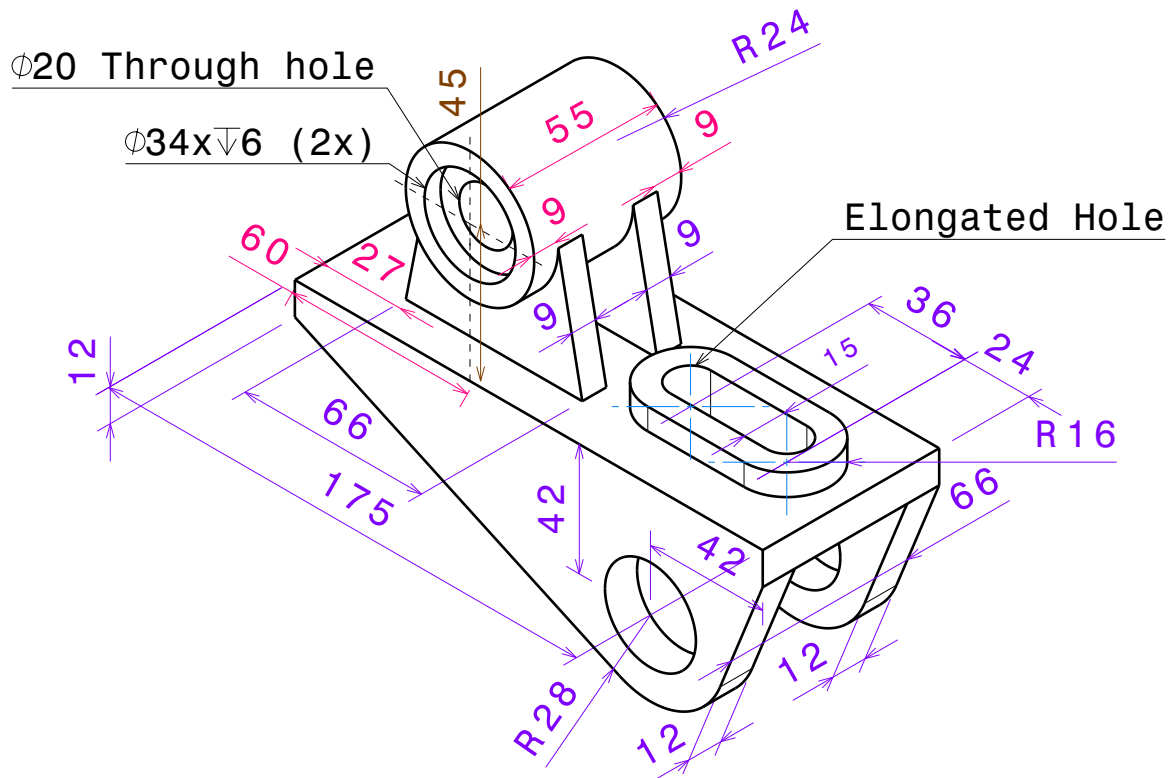
1

D

C

B

A



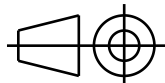
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 54

engineeringcadcamcae2018@gmail.com

SHEET

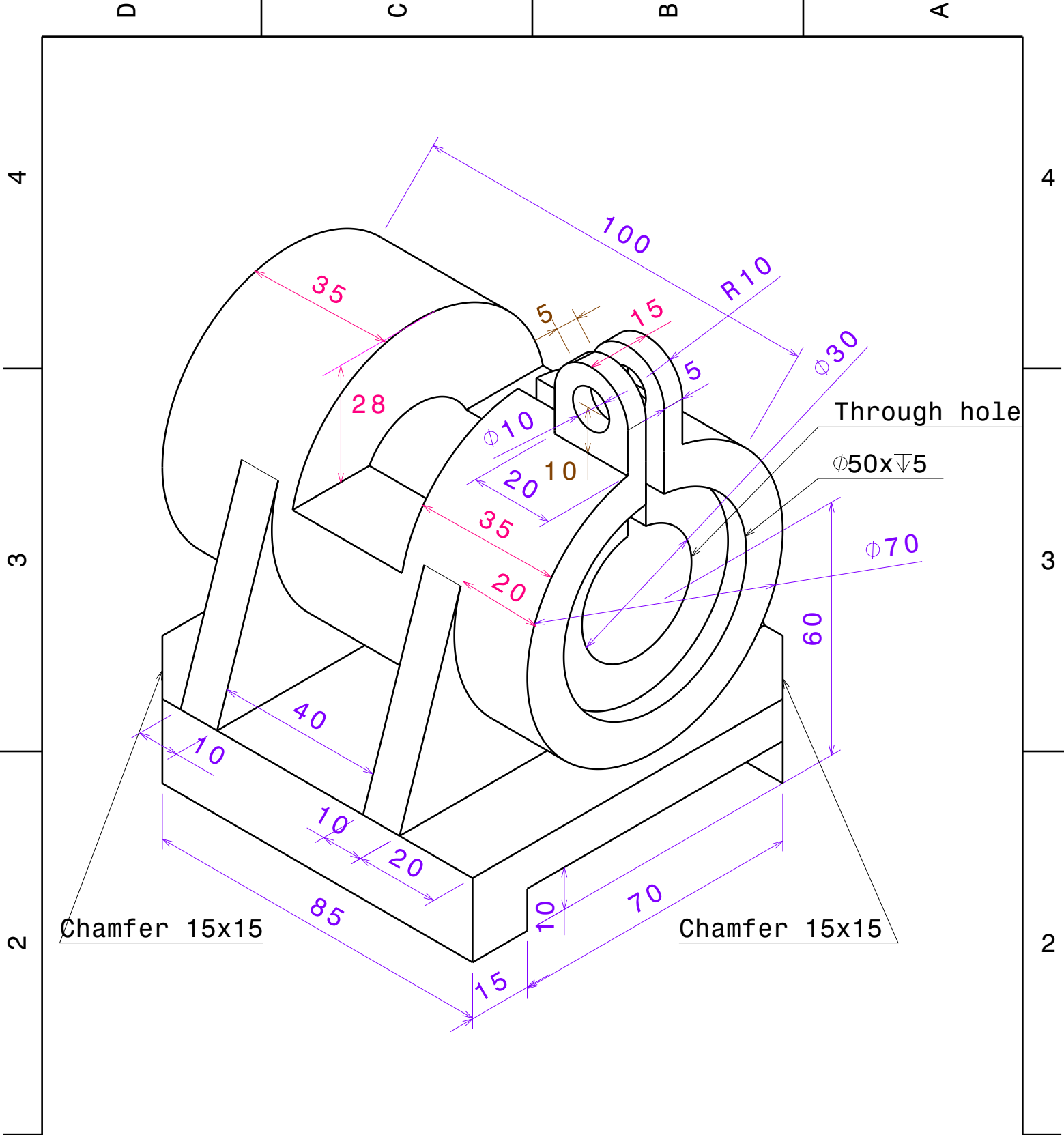
1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A



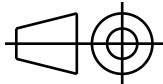
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 55

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



2

2

2

2

2

2



2

2

2

2

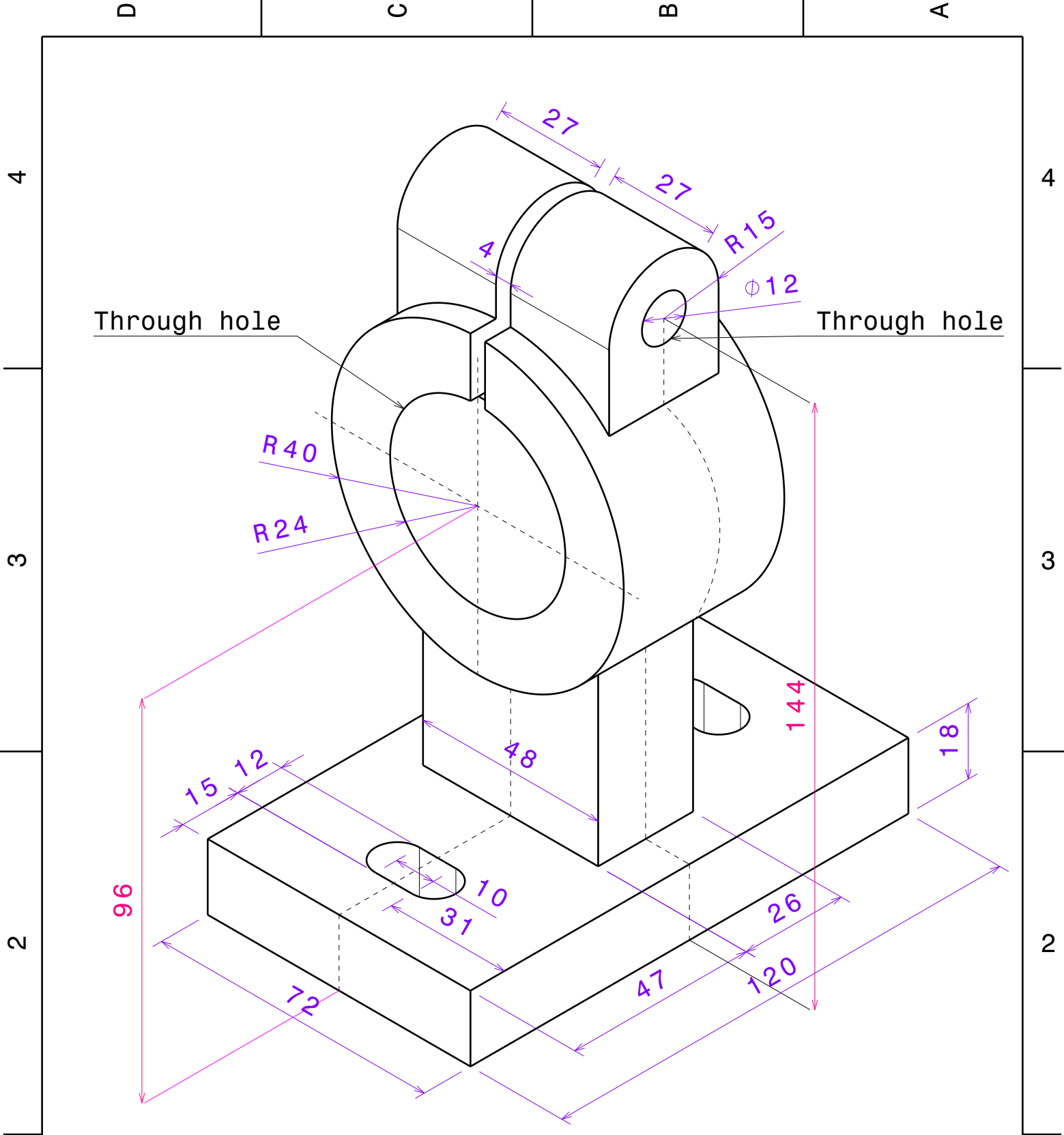
2

2

2

2

2



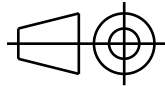
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 57

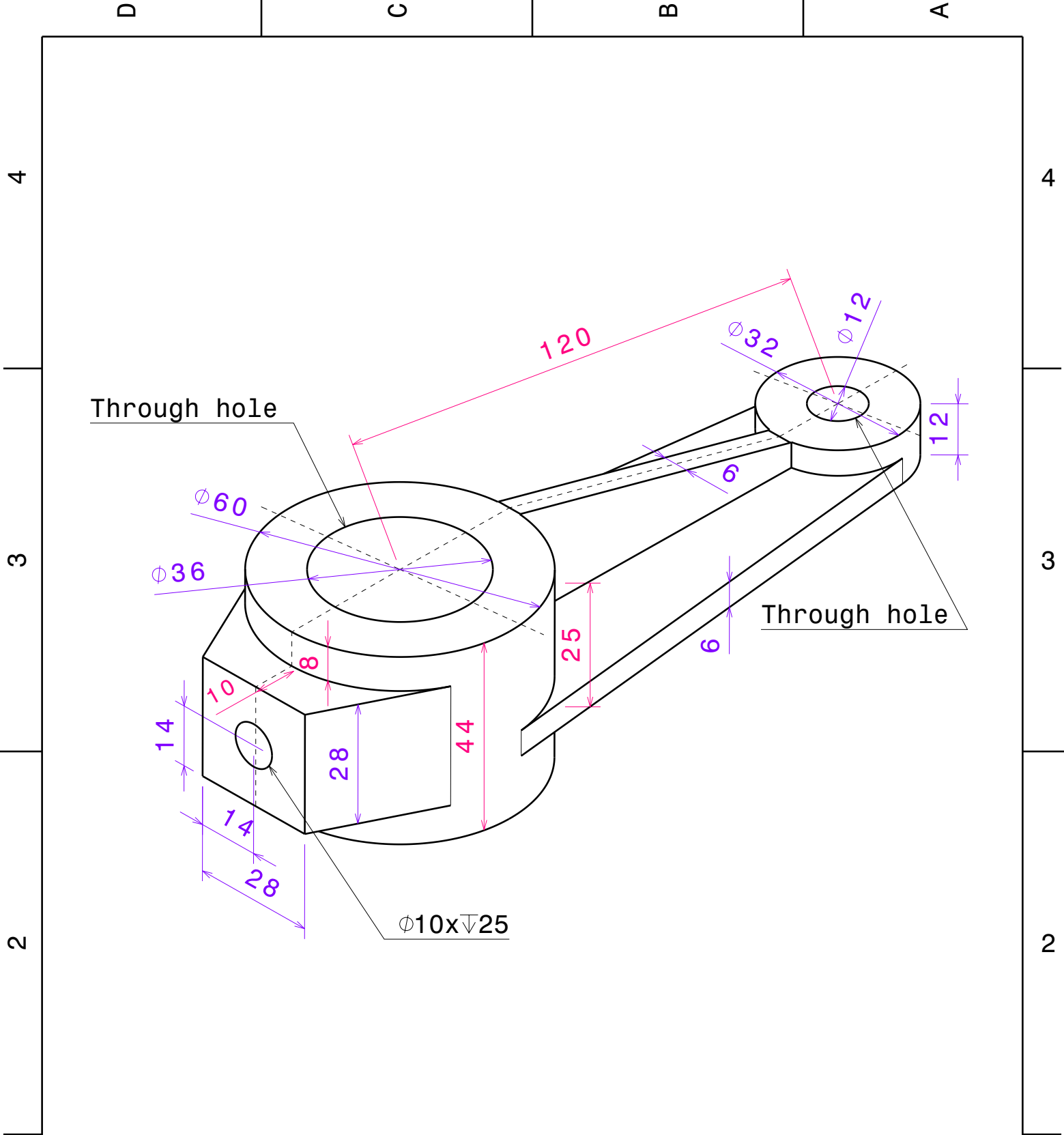
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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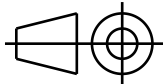
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 58

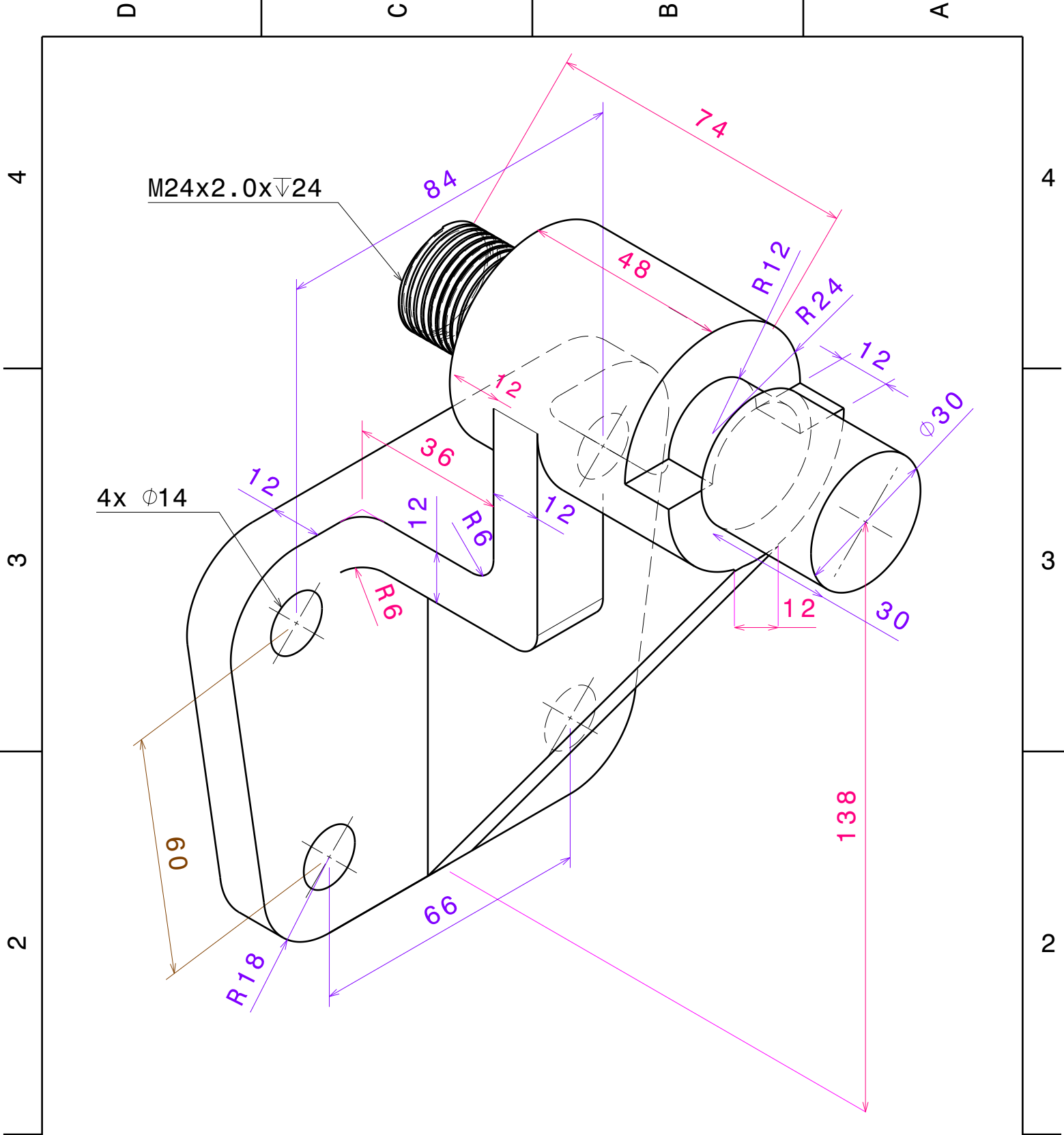
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



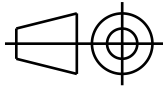
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 59

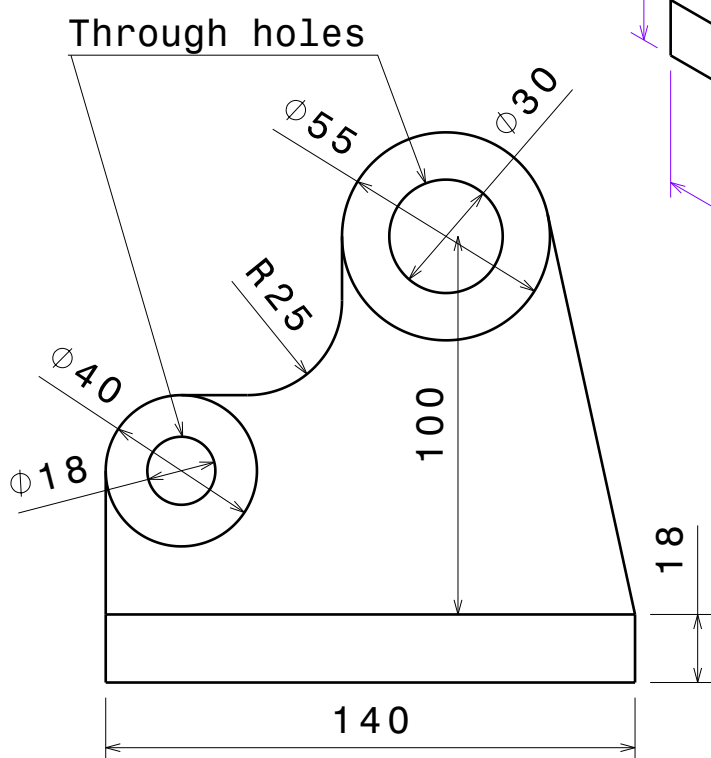
engineeringcadcamcae2018@gmail.com

SHEET

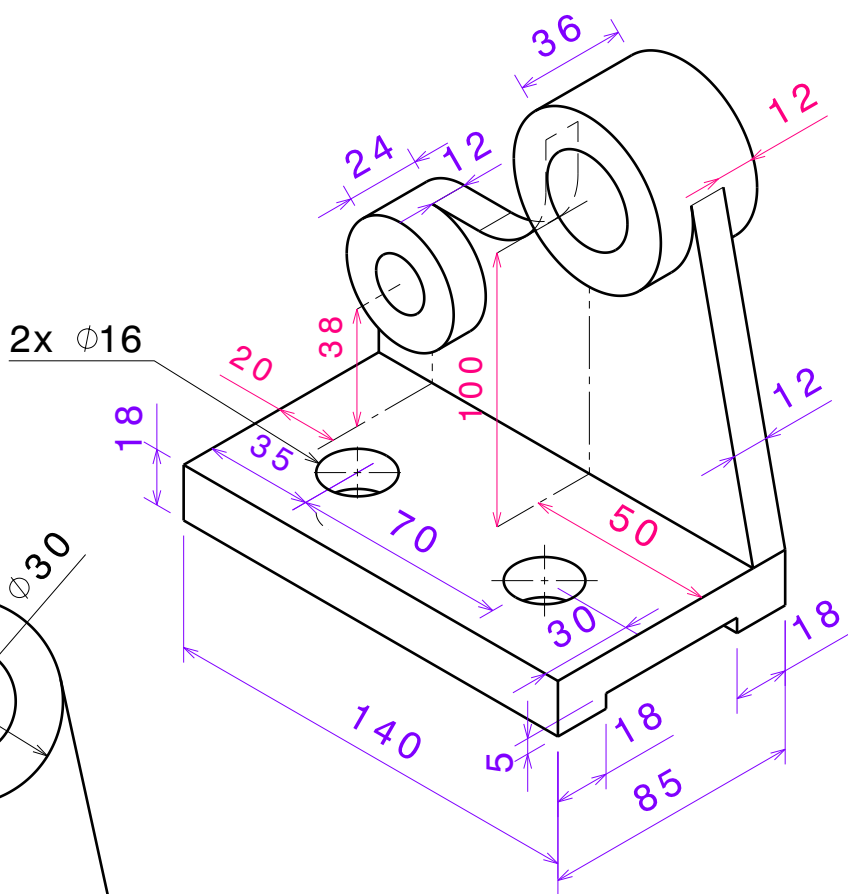
1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

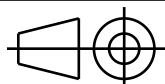
This drawing is our property; it can't be reproduced or communicated without our written agreement.

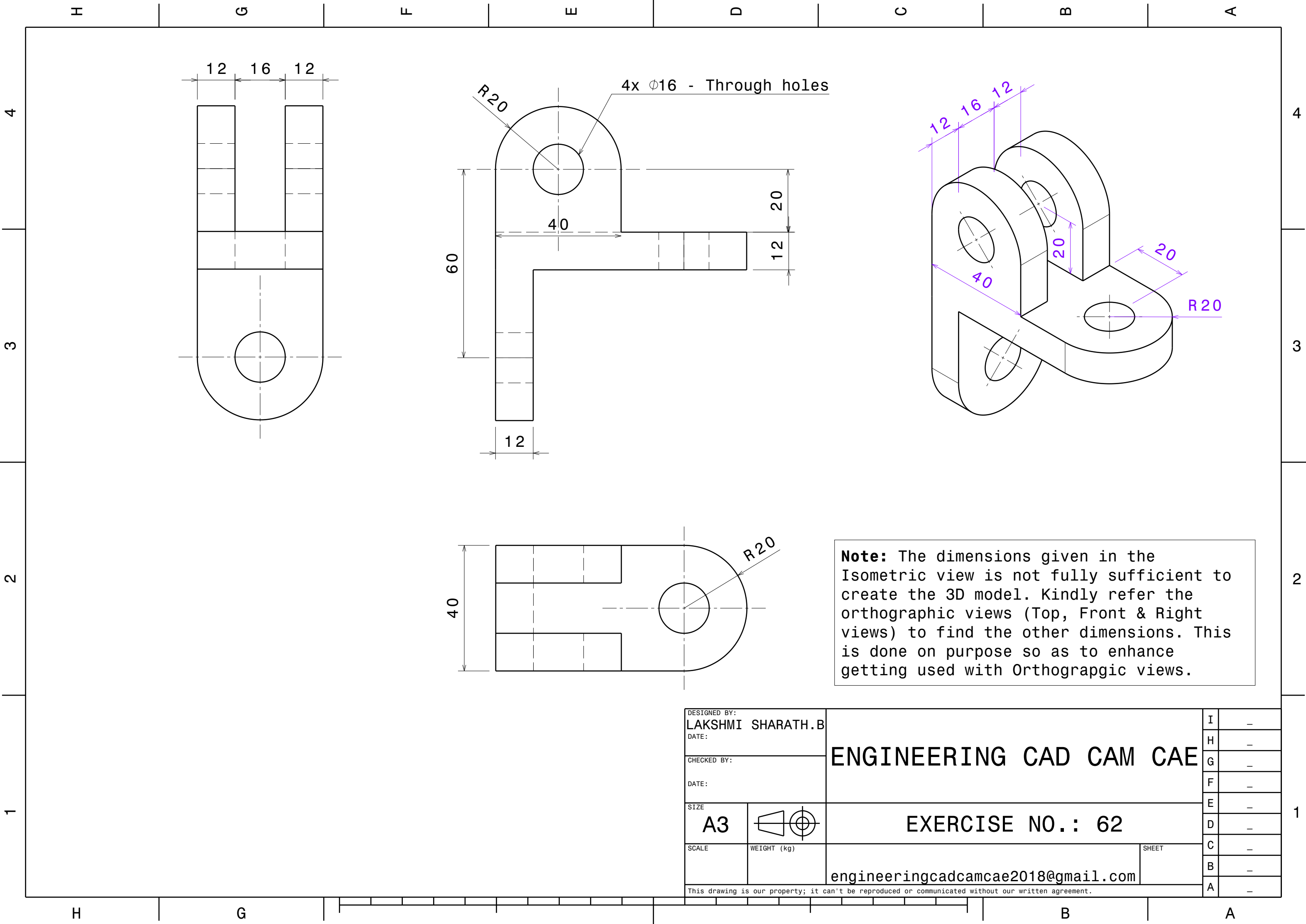


Front view



Isometric view

DESIGNED BY: LAKSHMI SHARATH .B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A4			F	—
		EXERCISE NO.: 60	E	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	D	—
			C	—
		1 / 1	B	—
			A	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.				

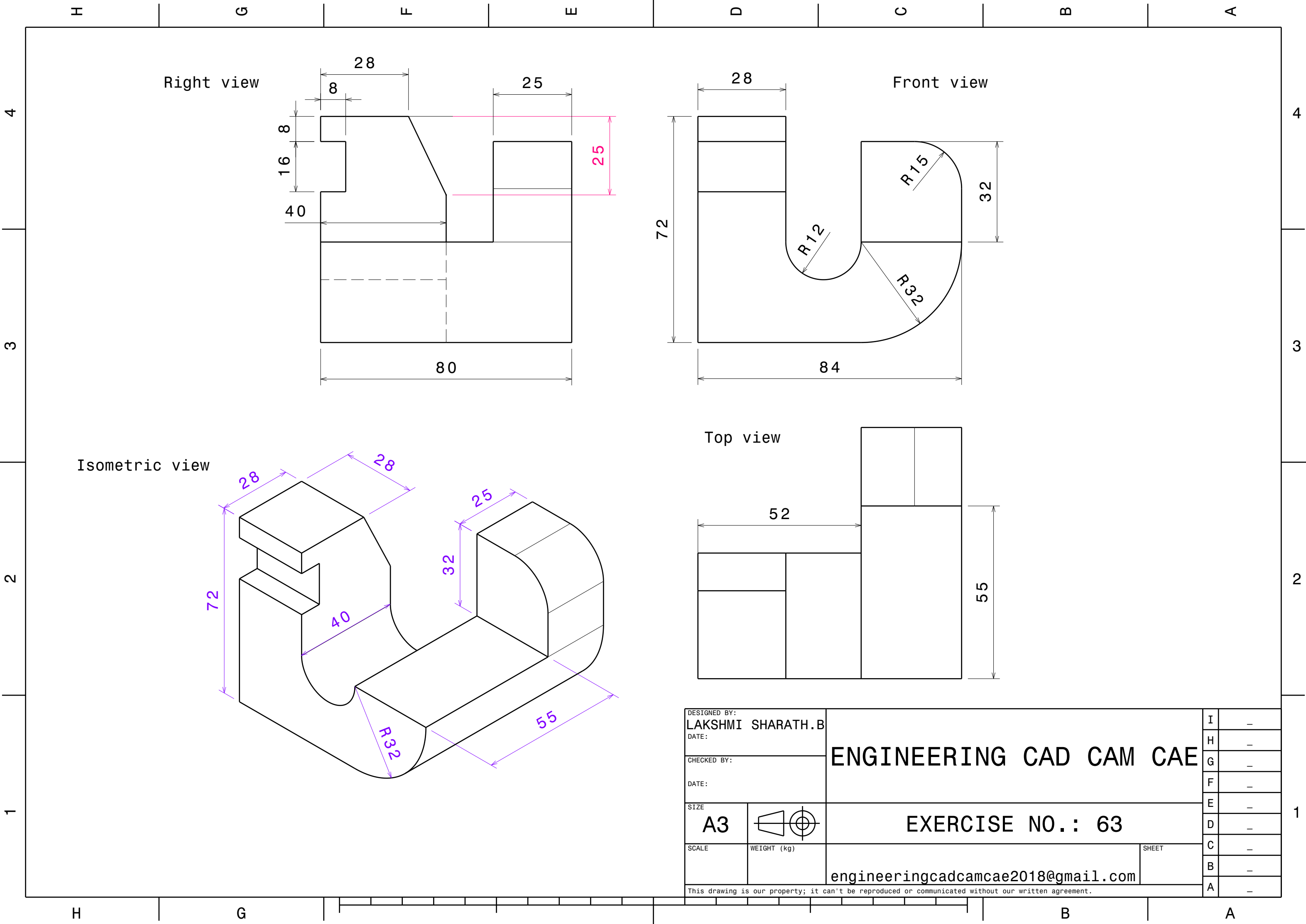


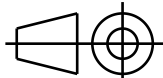
DESIGNED BY: LAKSHMI SHARATH.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A3	
SCALE	WEIGHT (kg)

ENGINEERING CAD CAM CAE	
EXERCISE NO.: 62	
engineeringcadcamcae2018@gmail.com	
SHEET	

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

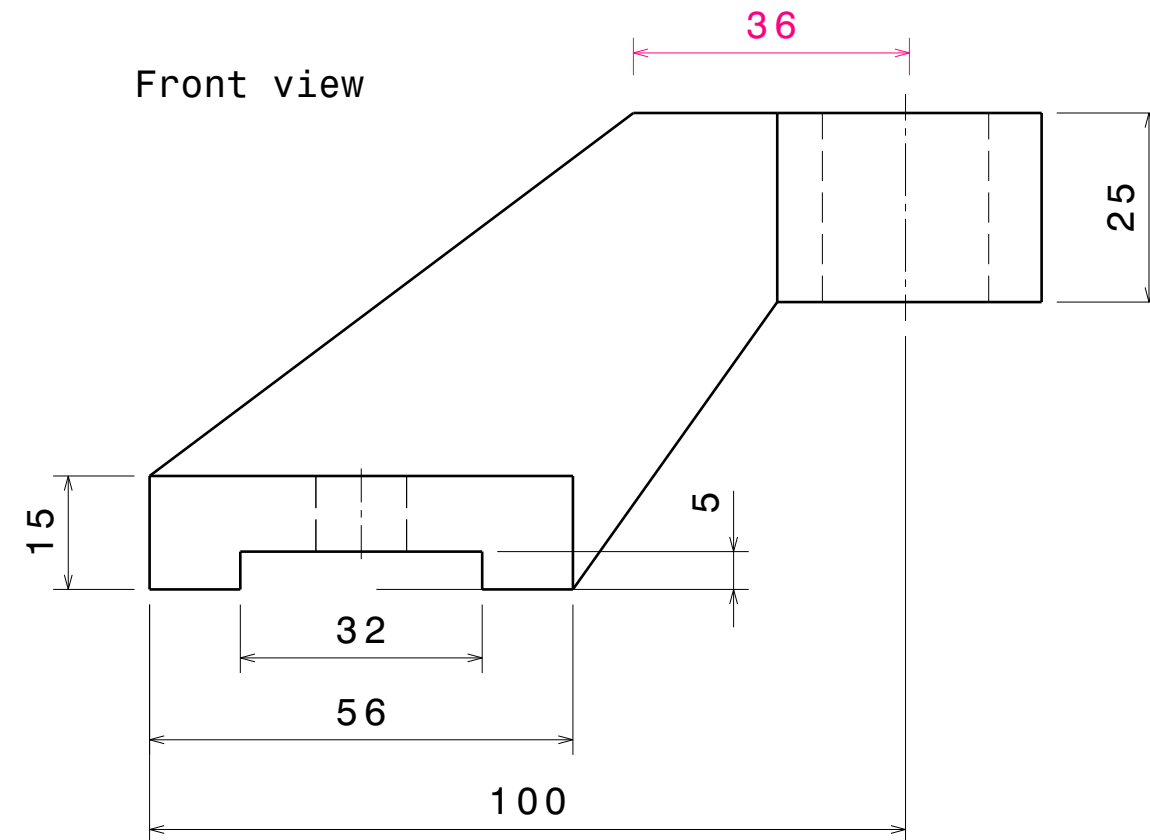
This drawing is our property; it can't be reproduced or communicated without our written agreement.



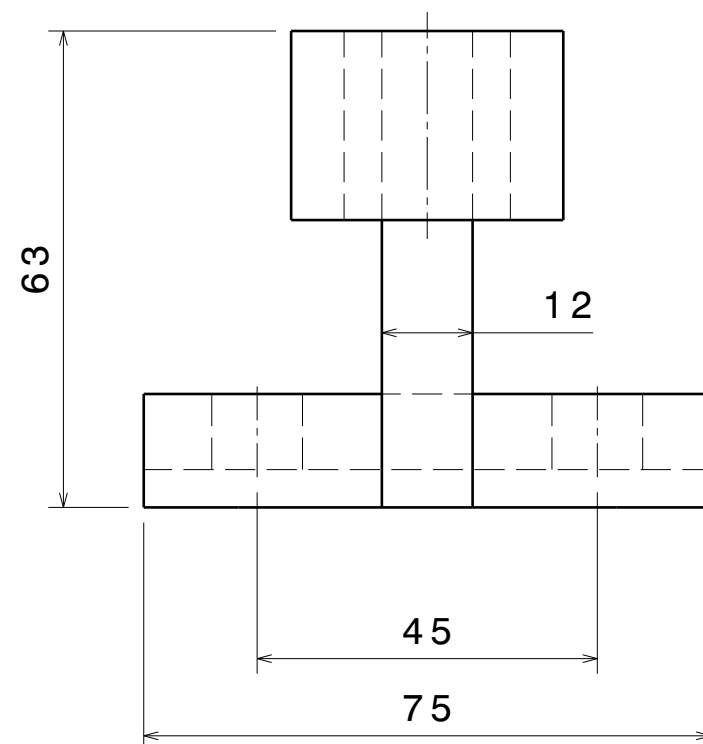
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		EXERCISE NO.: 63	E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	—

H G F E D C B A

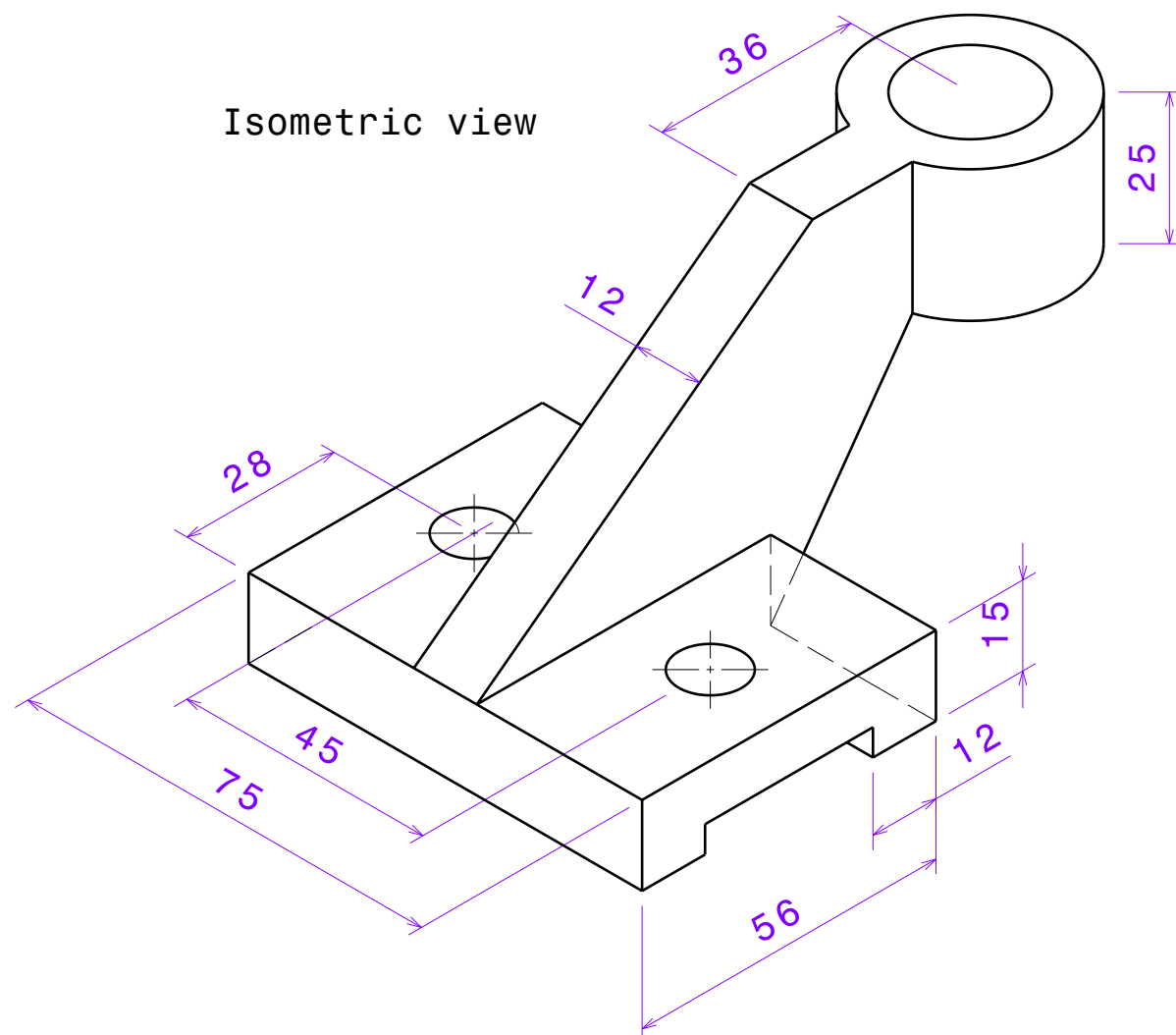
Front view



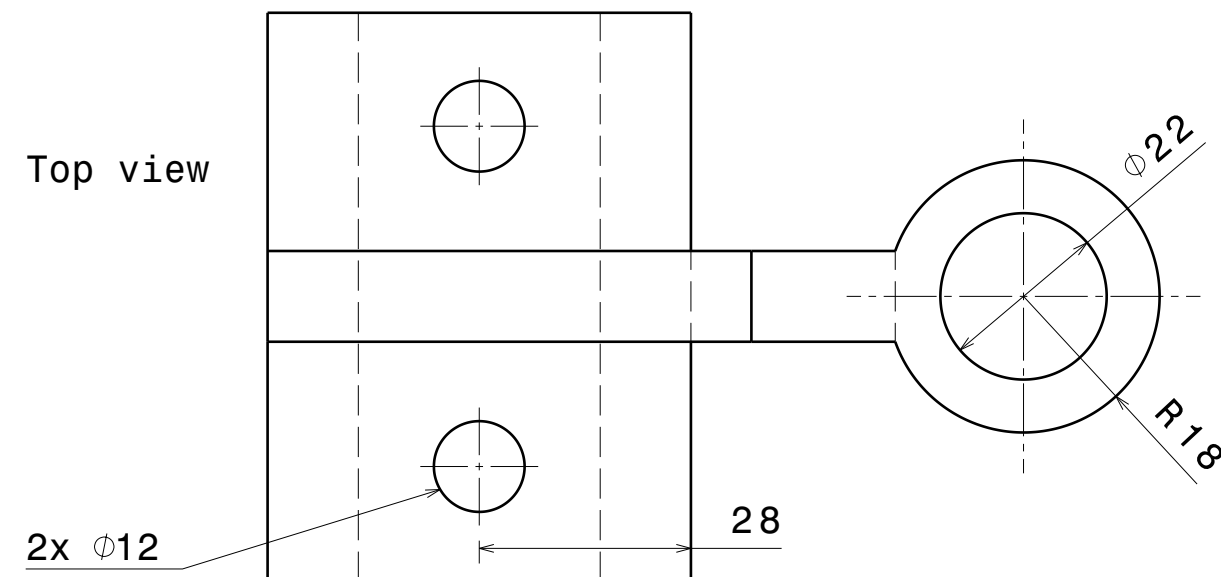
Right View



Isometric view



Top view



DESIGNED BY:
LAKSHMI SHARATH.B

DATE:

CHECKED BY:

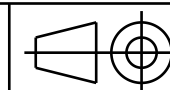
DATE:

SIZE

A3

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

EXERCISE NO.: 64

engineeringcadcamcae2018@gmail.com

SHEET

I

H

G

F

E

D

C

B

A

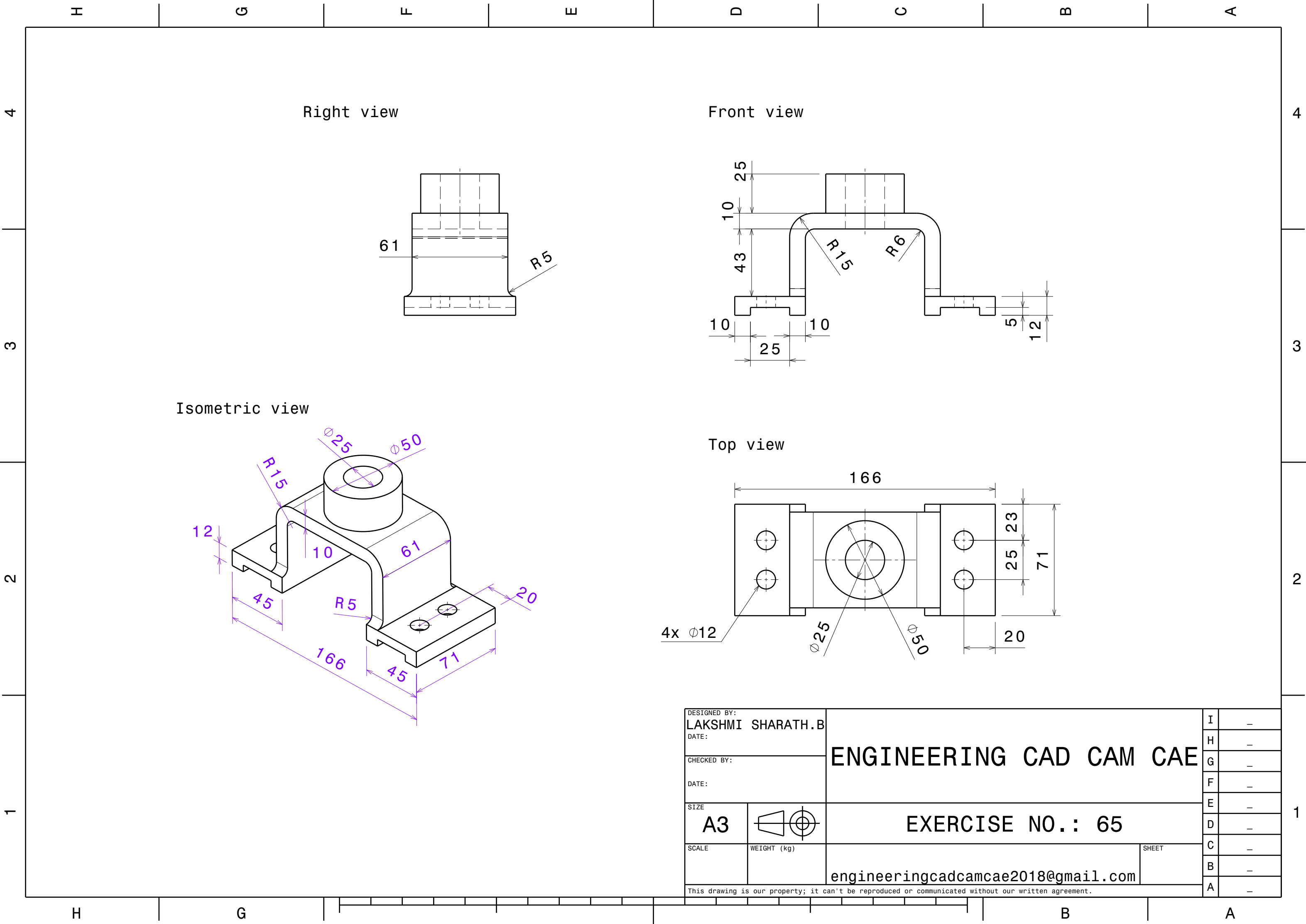
1

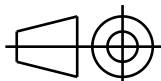
2

3

4

H G F E D C B A



DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE		I	-
DATE:				H	-
CHECKED BY:				G	-
DATE:				F	-
SIZE A3		EXERCISE NO.: 65		E	-
SCALE	WEIGHT (kg)			D	-
		engineeringcadcamcae2018@gmail.com		C	-
				B	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.				A	-

H

G

F

E

D

C

B

A

4

3

2

1

4

3

2

1

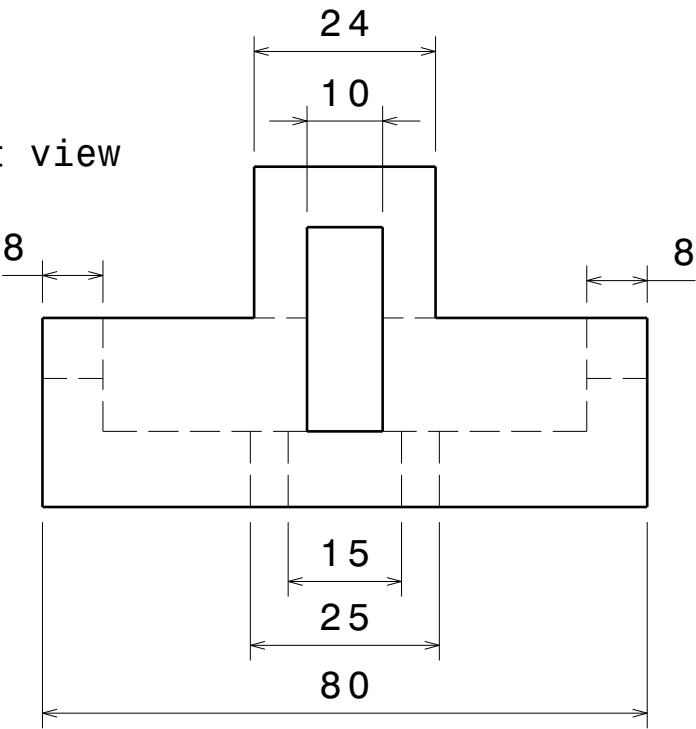
H

G

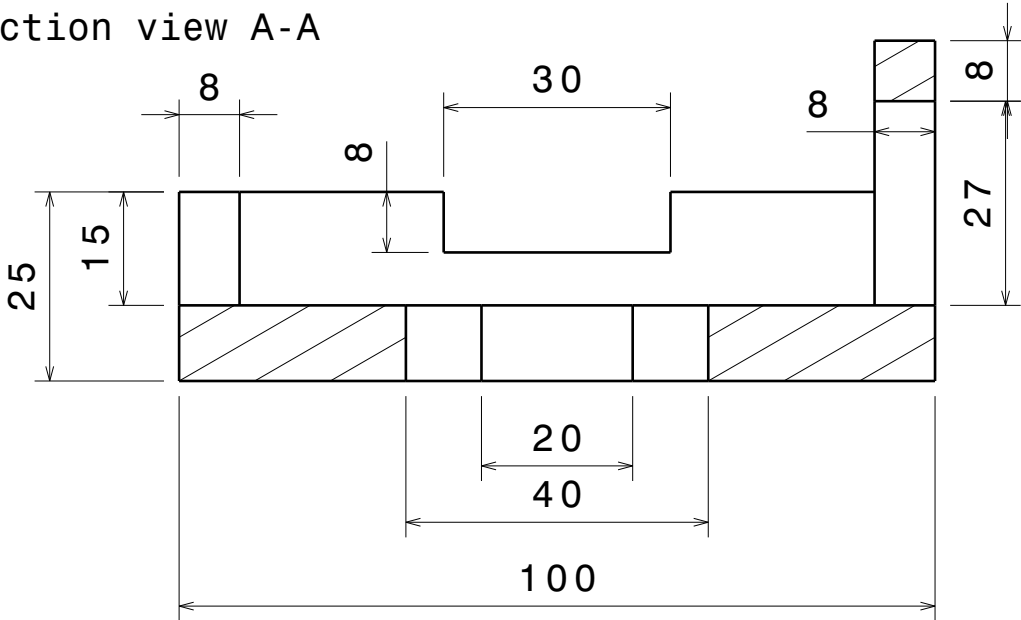
B

A

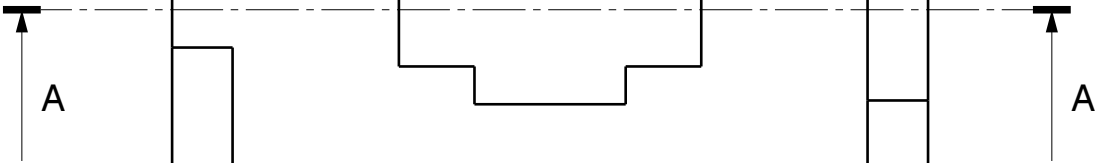
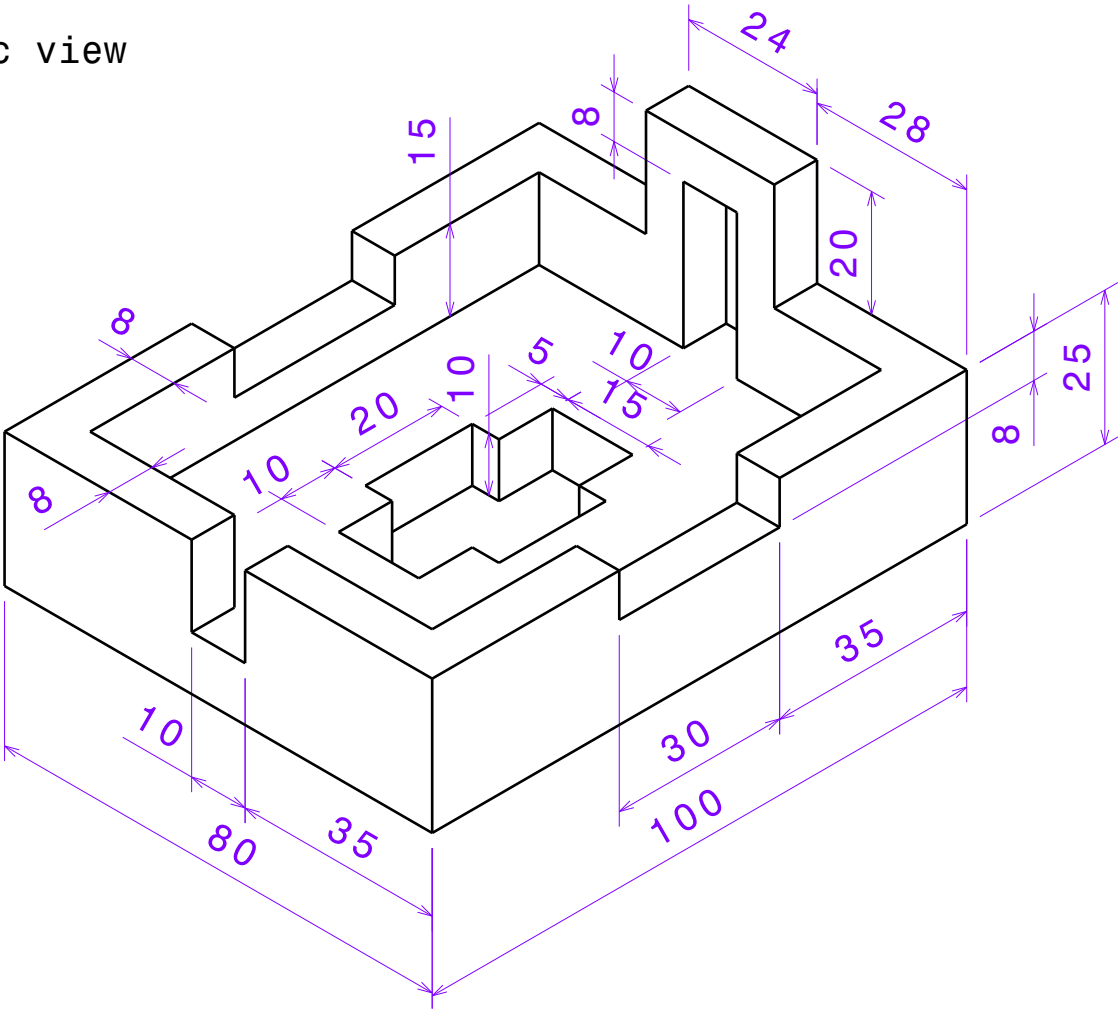
Right view



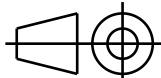
Section view A-A

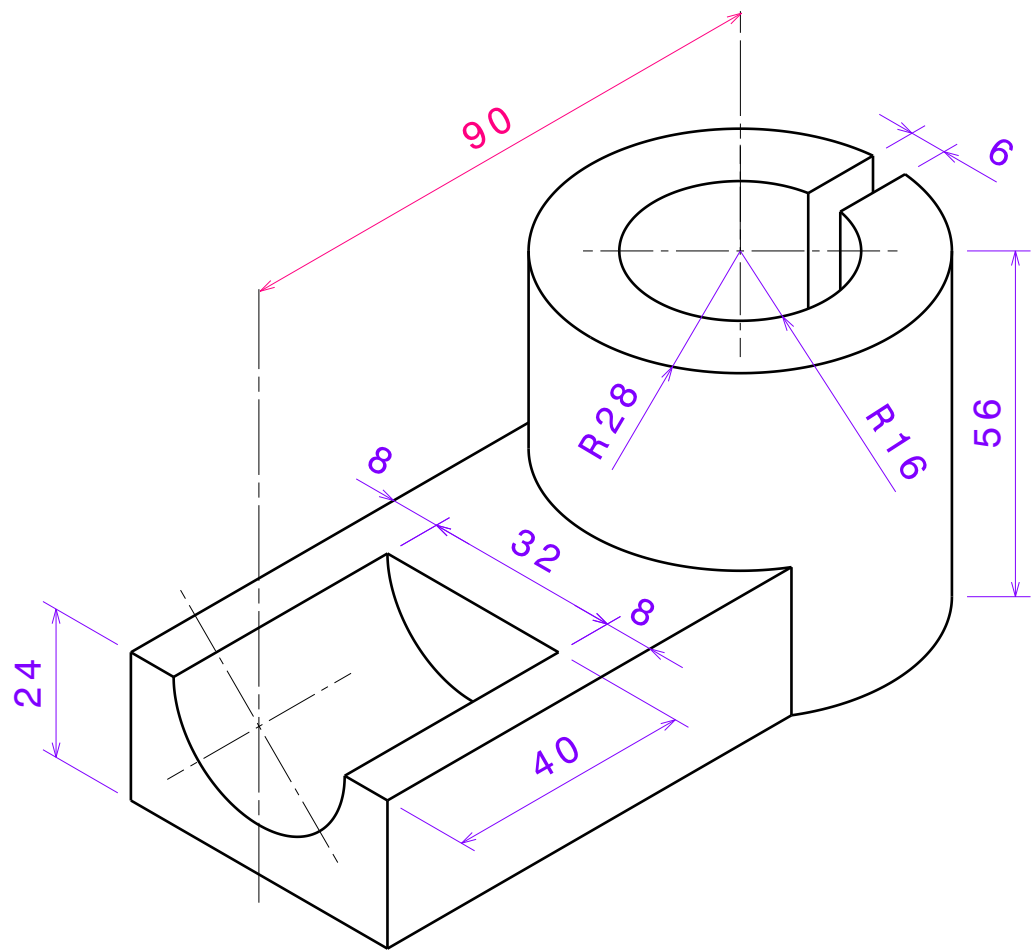


Isometric view



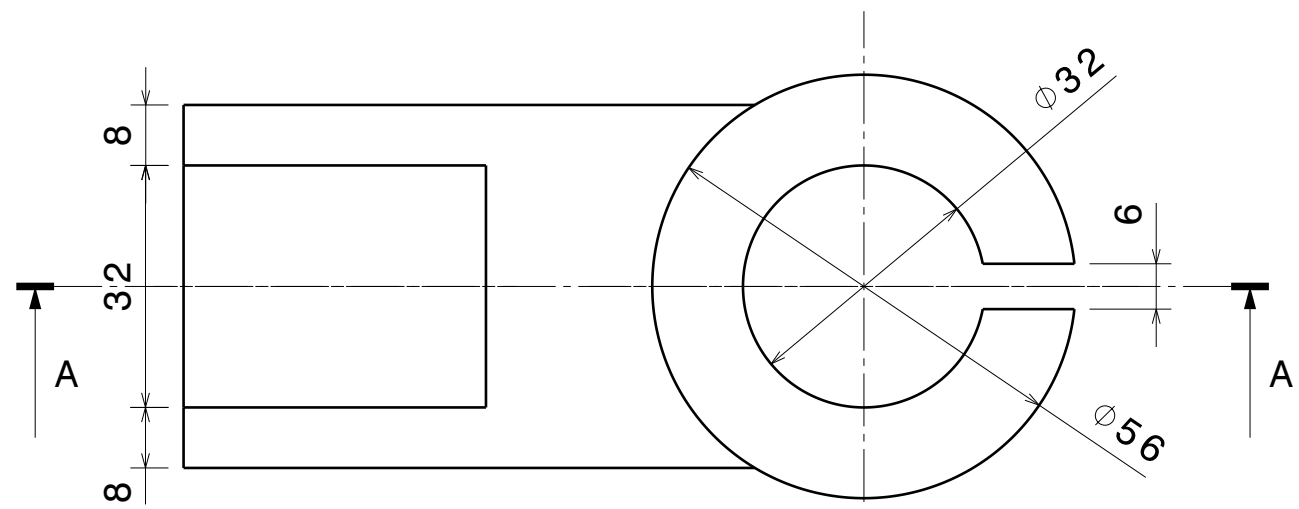
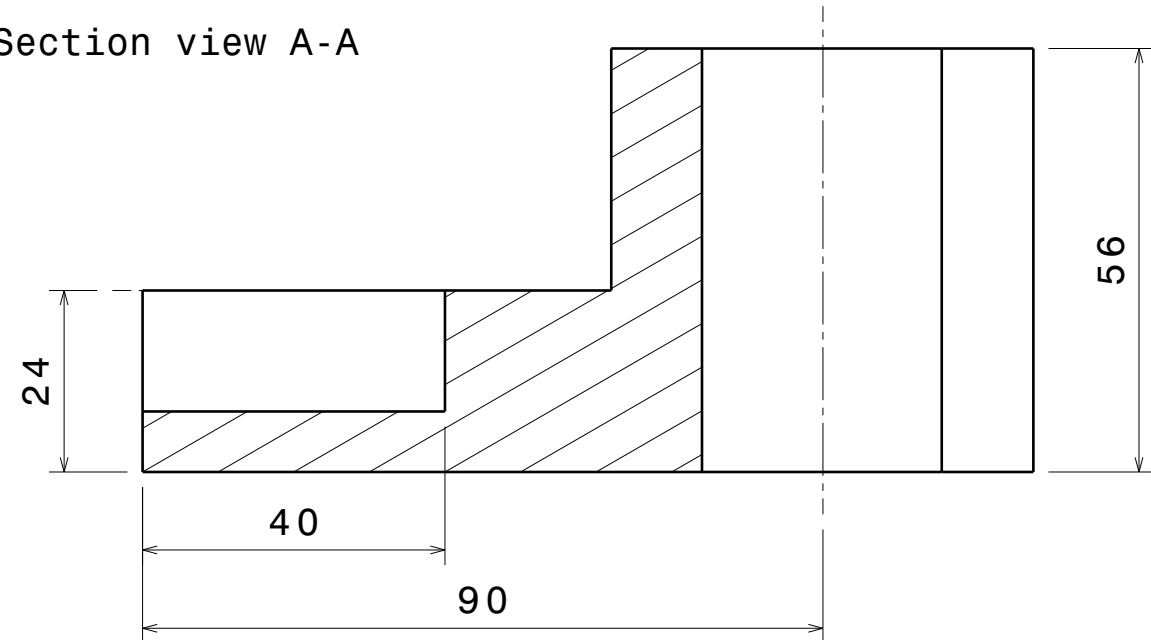
Top view

DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:		EXERCISE NO.: 66	F	—
SIZE			E	—
A3			D	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	C	—
			B	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	—

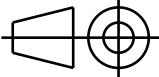


Isometric view

Section view A-A



Top view

DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		EXERCISE NO.: 68	F	—
			E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	—

H

G

F

E

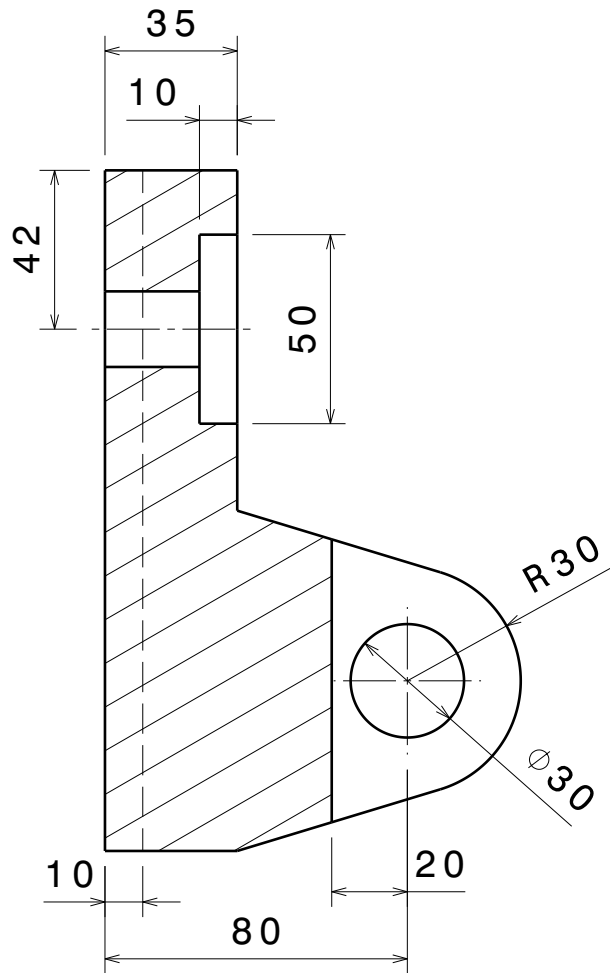
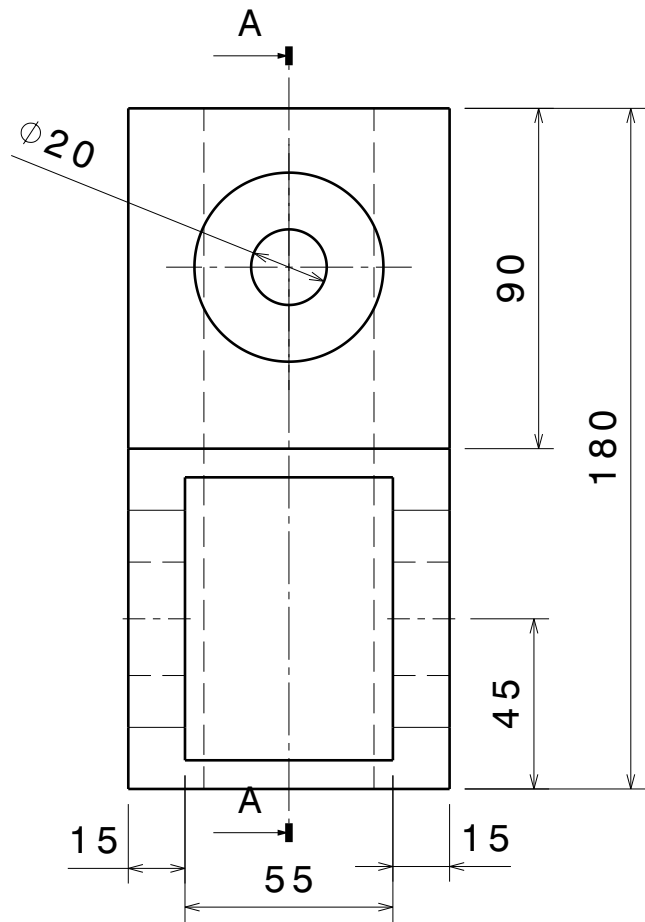
D

C

B

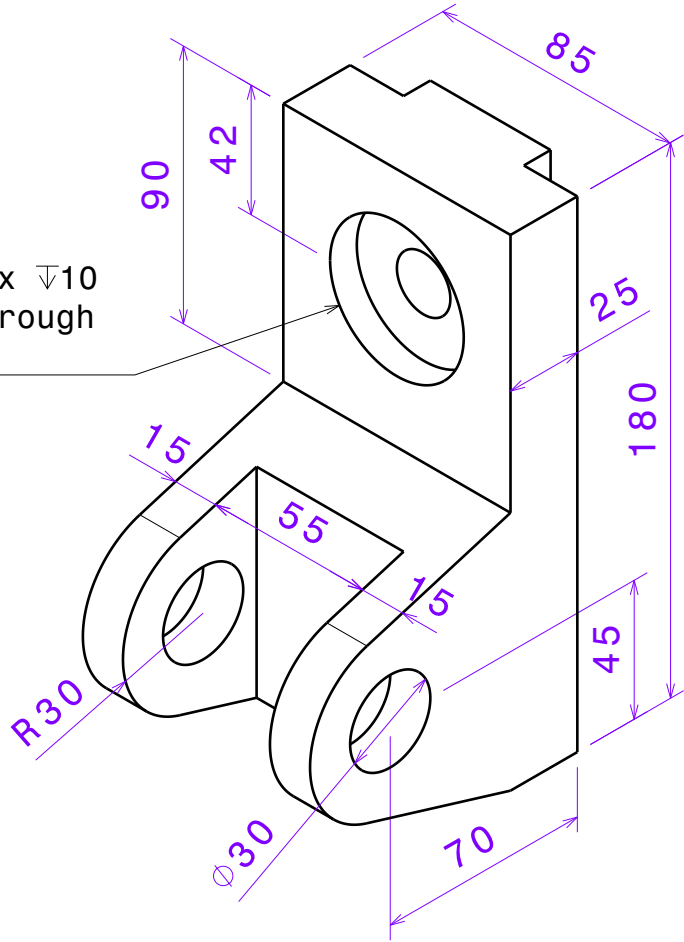
A

Front view

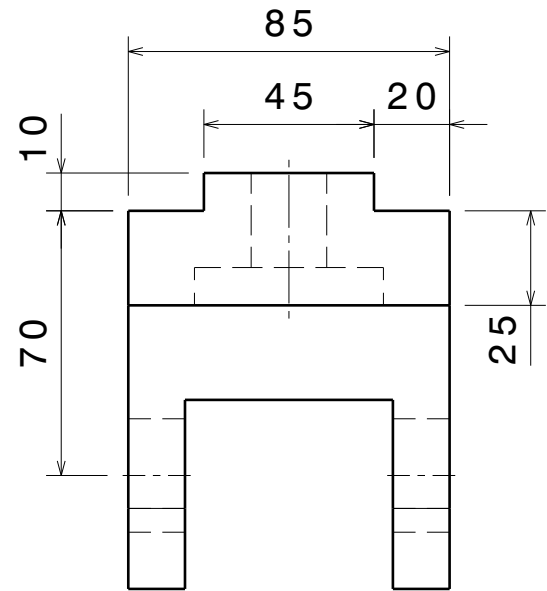


Section view A-A

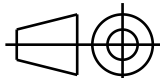
C'bore $\phi 50 \times \nabla 10$
with $\phi 20$ Through
hole.



Isometric view



Top view

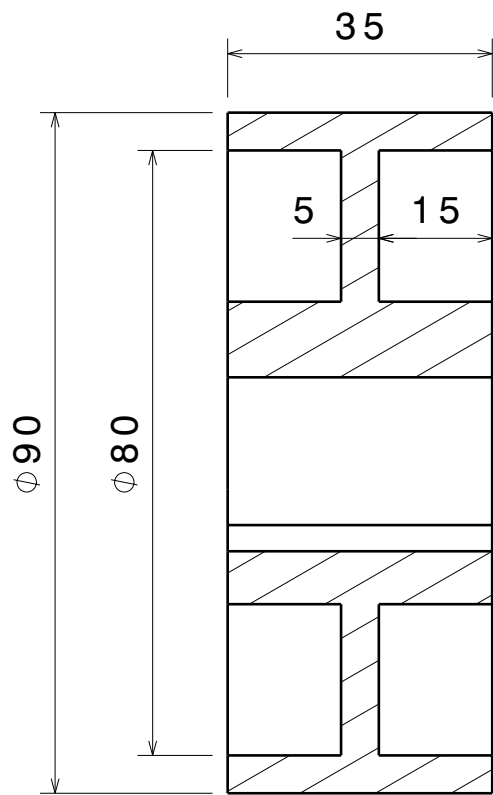
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:		EXERCISE NO.: 69	F	—
SIZE A3			E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.				

H

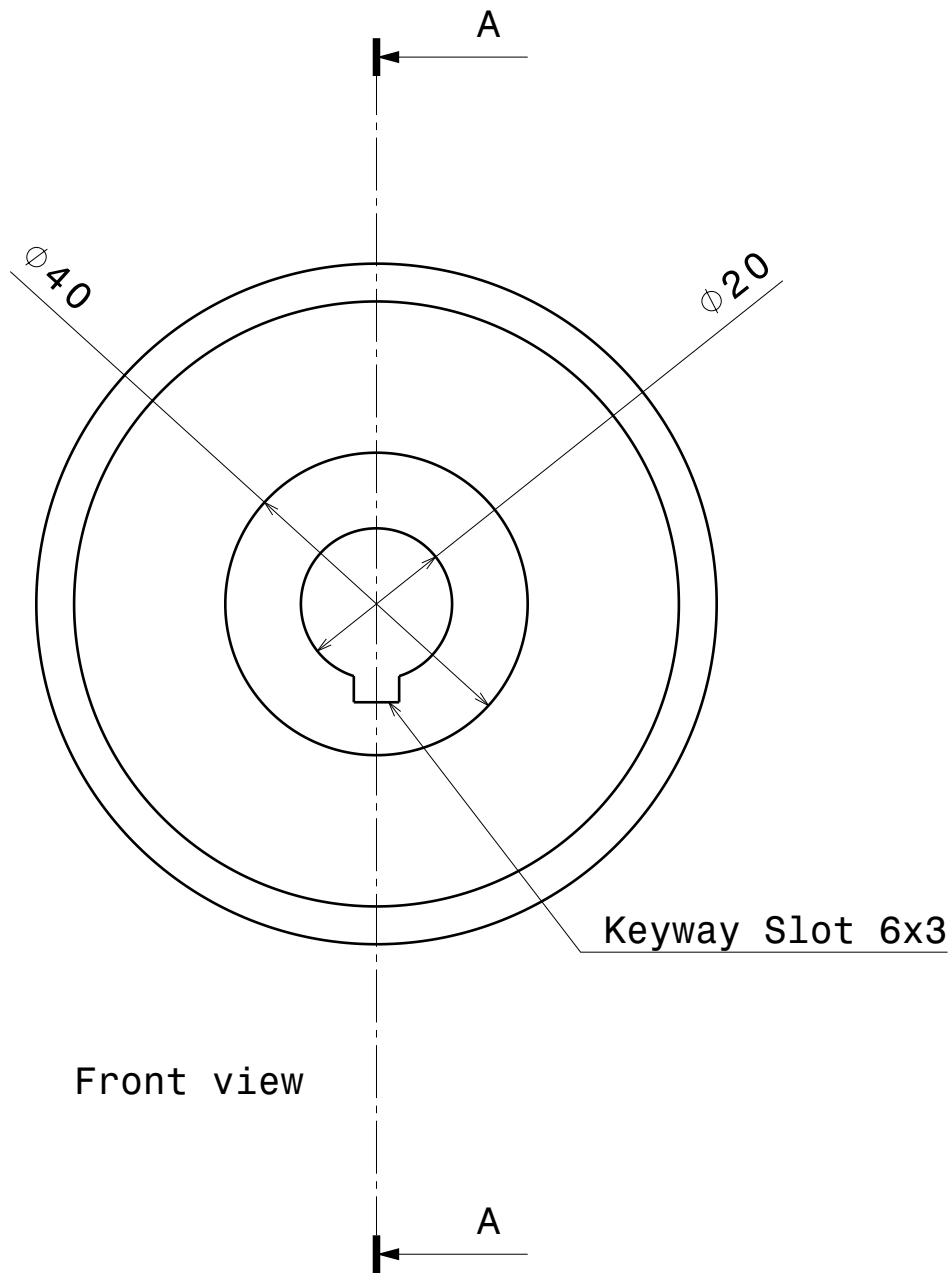
G

B

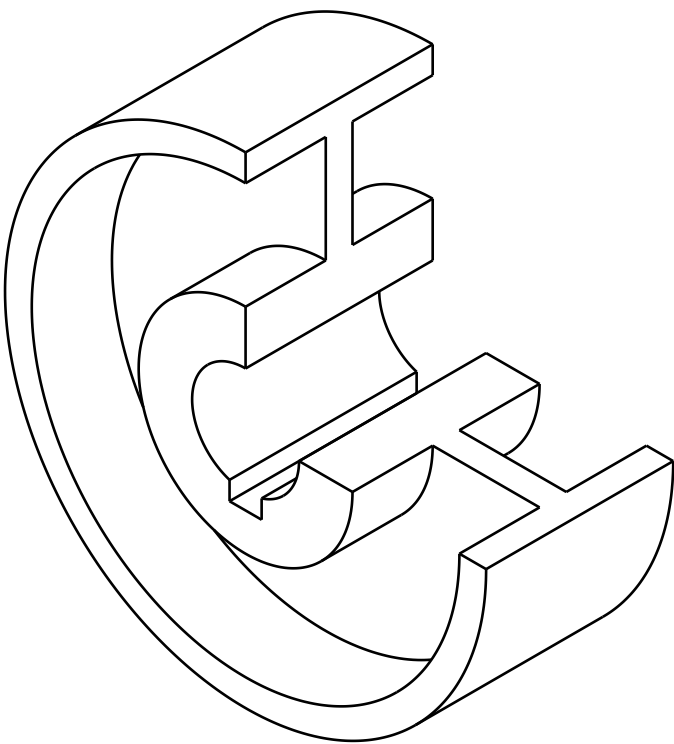
A



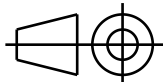
Section view A-A



Front view



Isometric view

DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:			F	-
SIZE A3		EXERCISE NO.: 71	E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	-

4

3

2

1

H

G

F

E

D

C

B

A

4

3

2

1

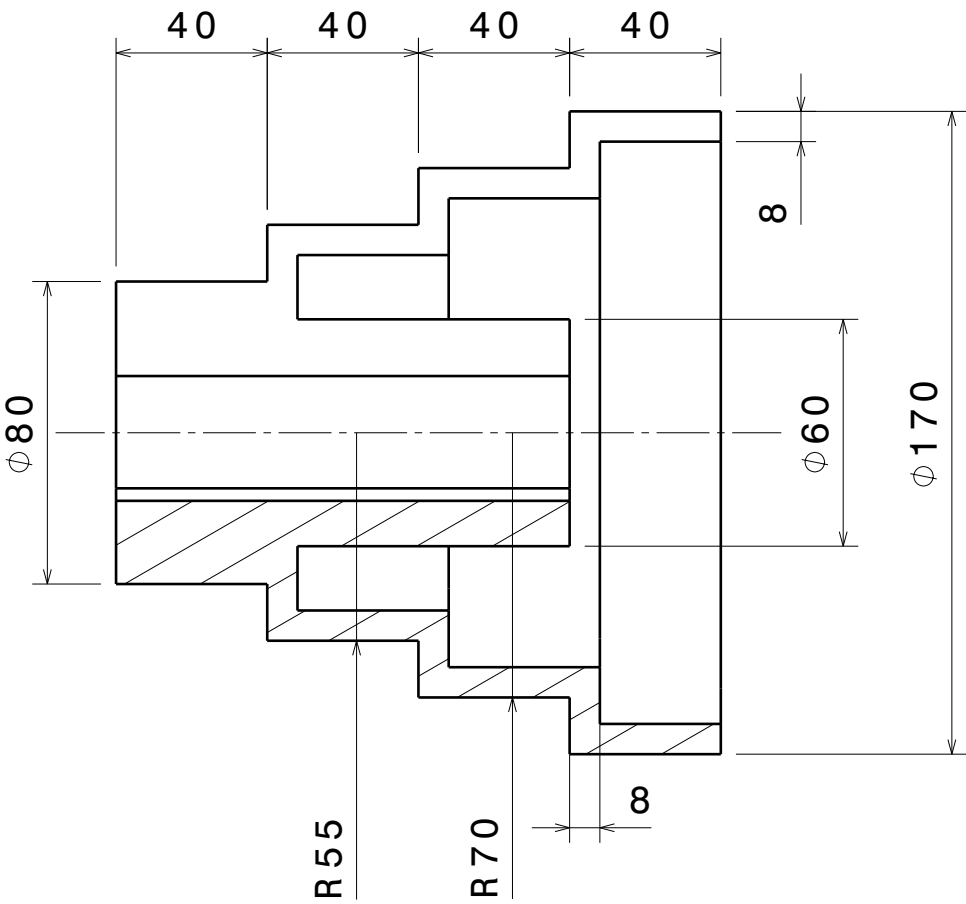
H

G

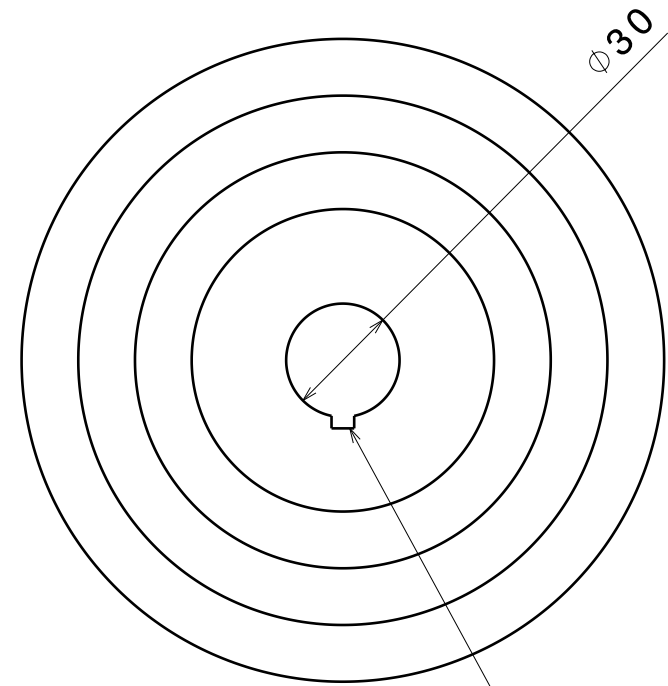
B

A

Section view A-A

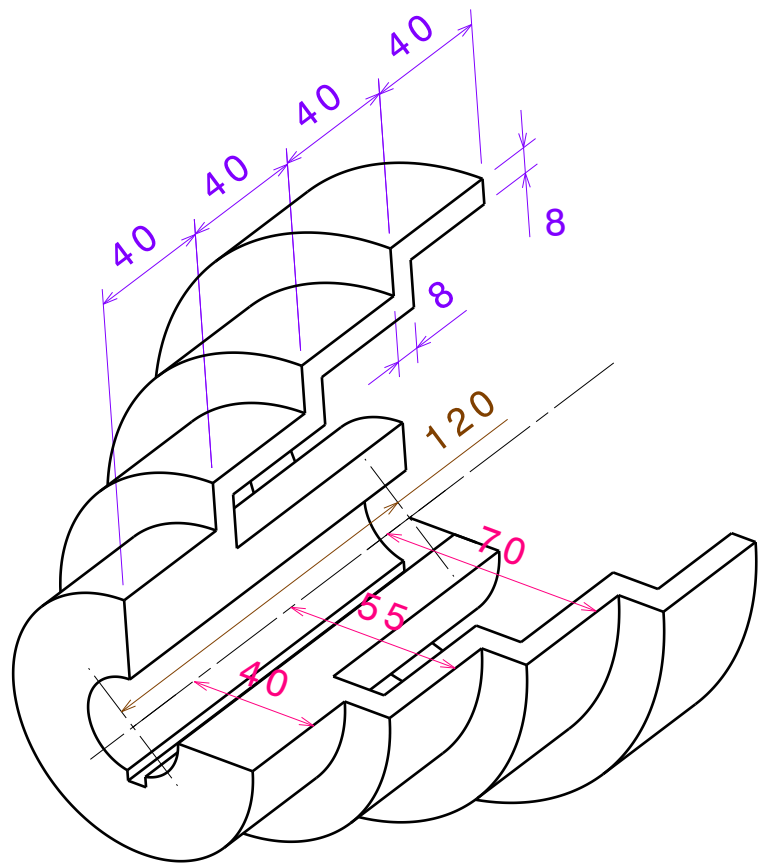


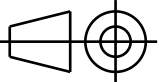
Front view

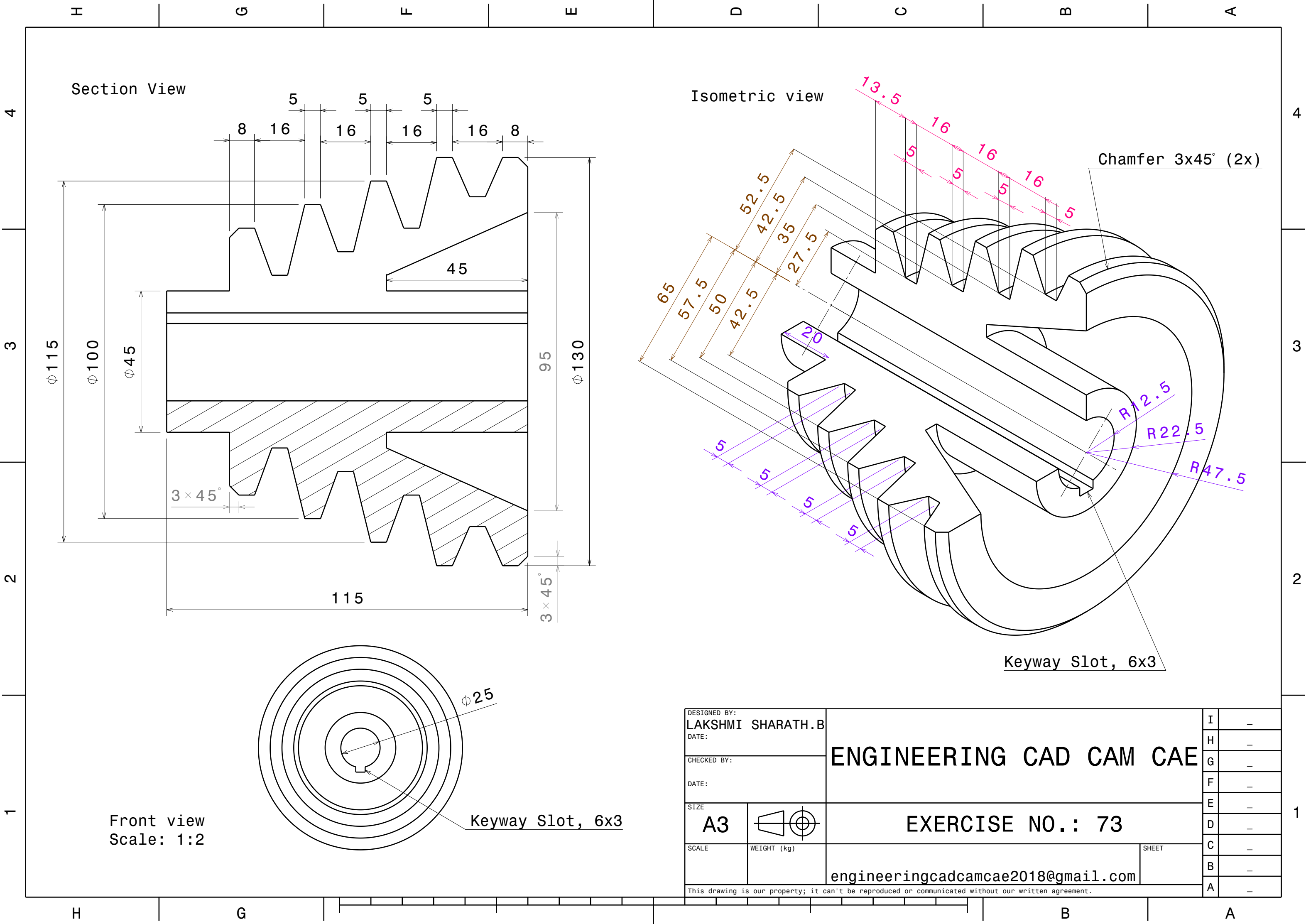


Keyway Slot 6x3

Isometric view



DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:		EXERCISE NO.: 72	F	-
SIZE			E	-
A3			D	-
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	C	-
			B	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	-



DESIGNED BY:
LAKSHMI SHARATH.B

DATE:

CHECKED BY:

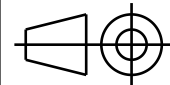
DATE:

SIZE

A3

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

EXERCISE NO.: 73

engineeringcadcamcae2018@gmail.com

SHEET

I

H

G

F

E

D

C

B

A

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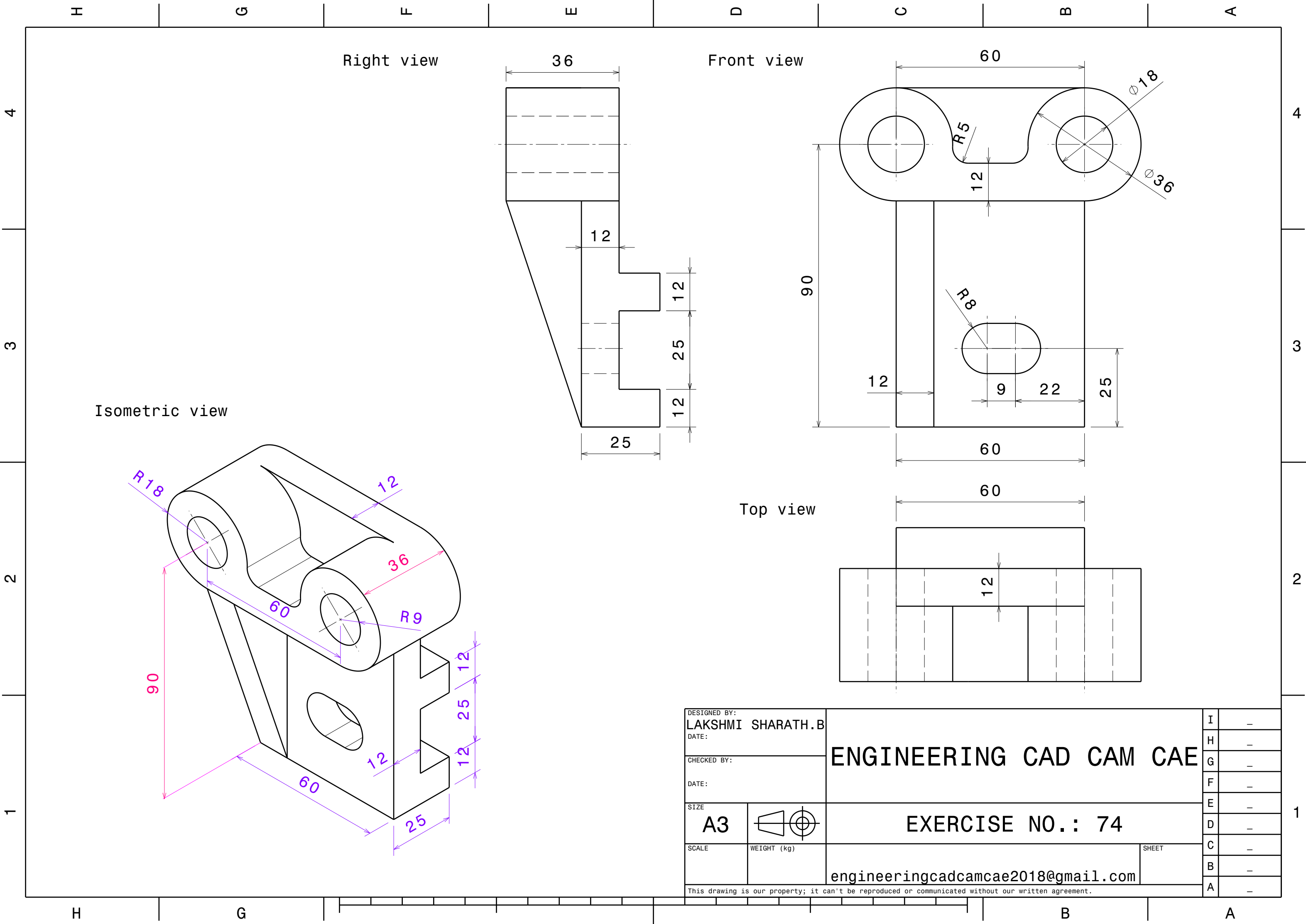
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DESIGNED BY:
LAKSHMI SHARATH.B

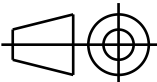
DATE:

CHECKED BY:

DATE:

SIZE

A3



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 74

engineeringcadcamcae2018@gmail.com

SHEET

I

H

G

F

E

D

C

B

A

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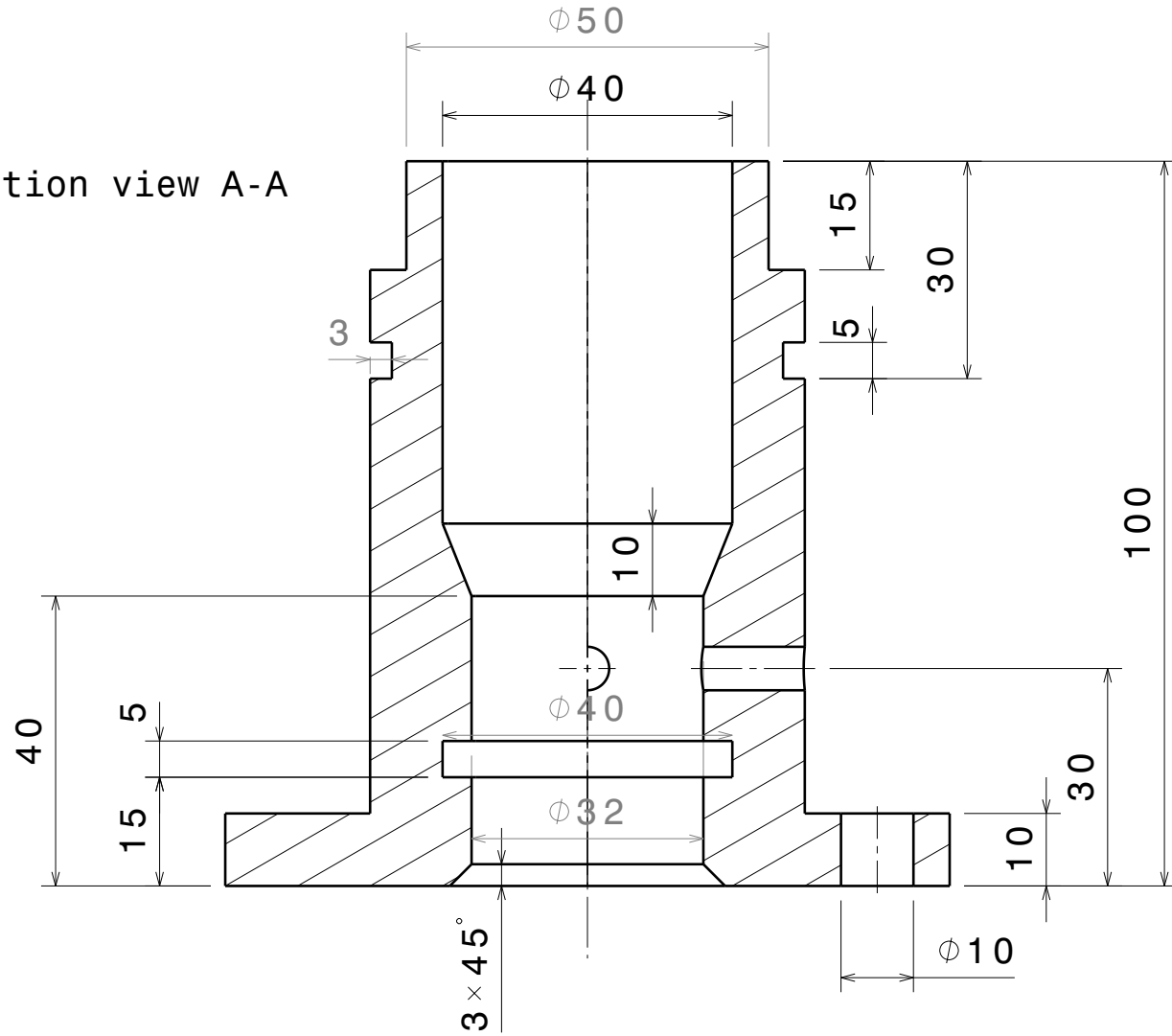
1

2

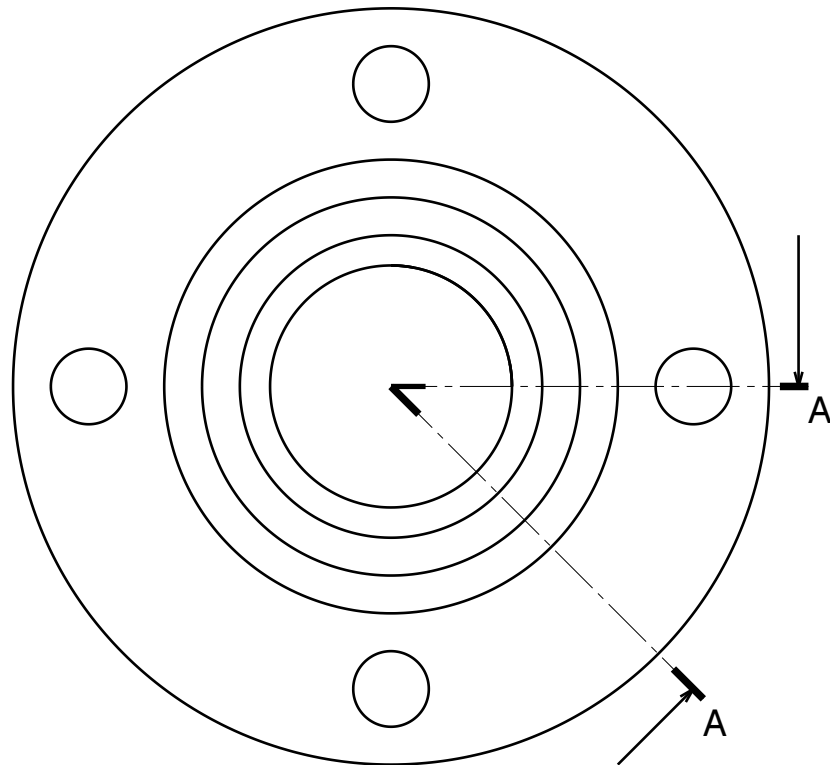
3

4

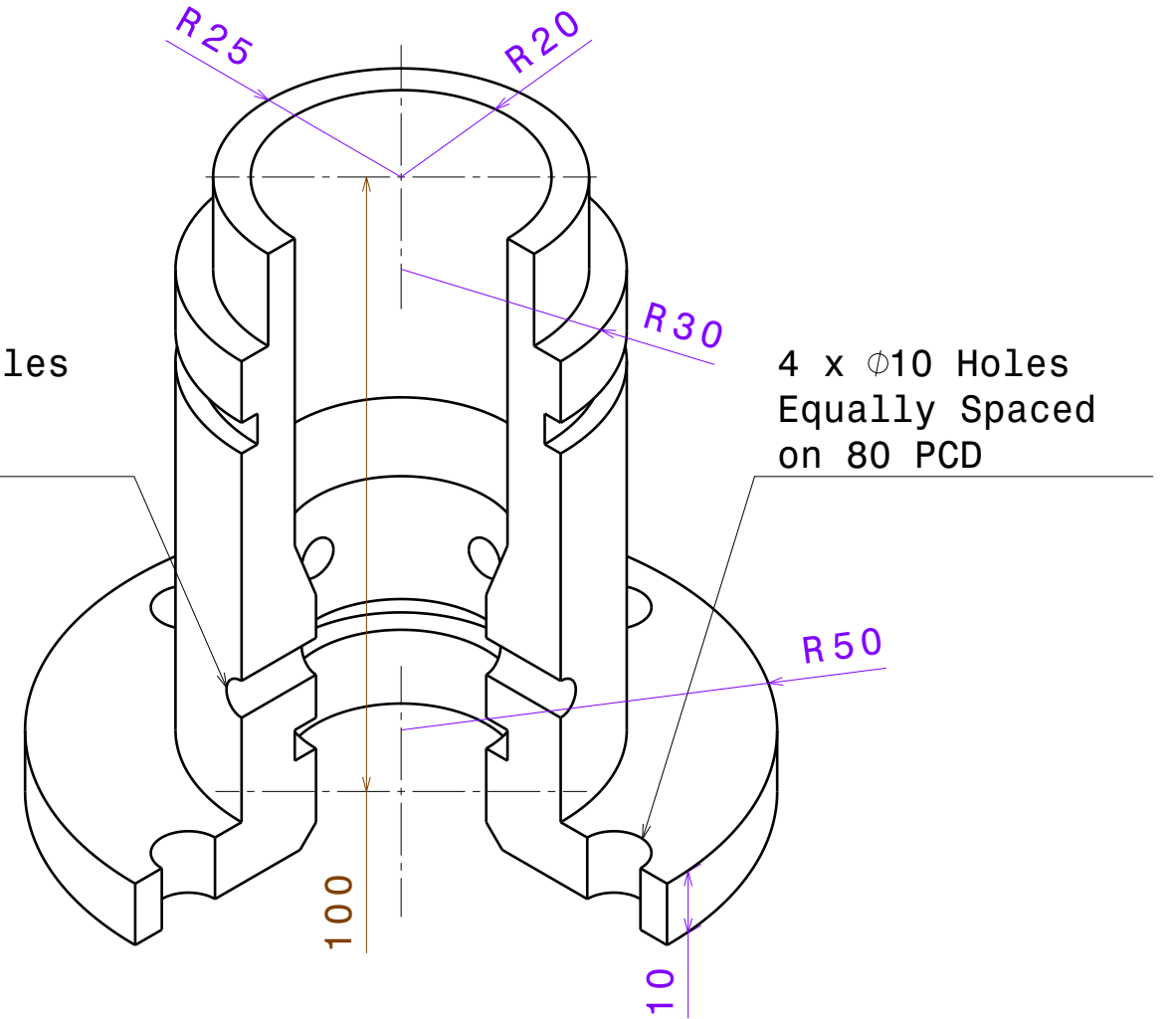
Section view A-A



Top View

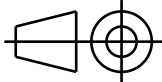


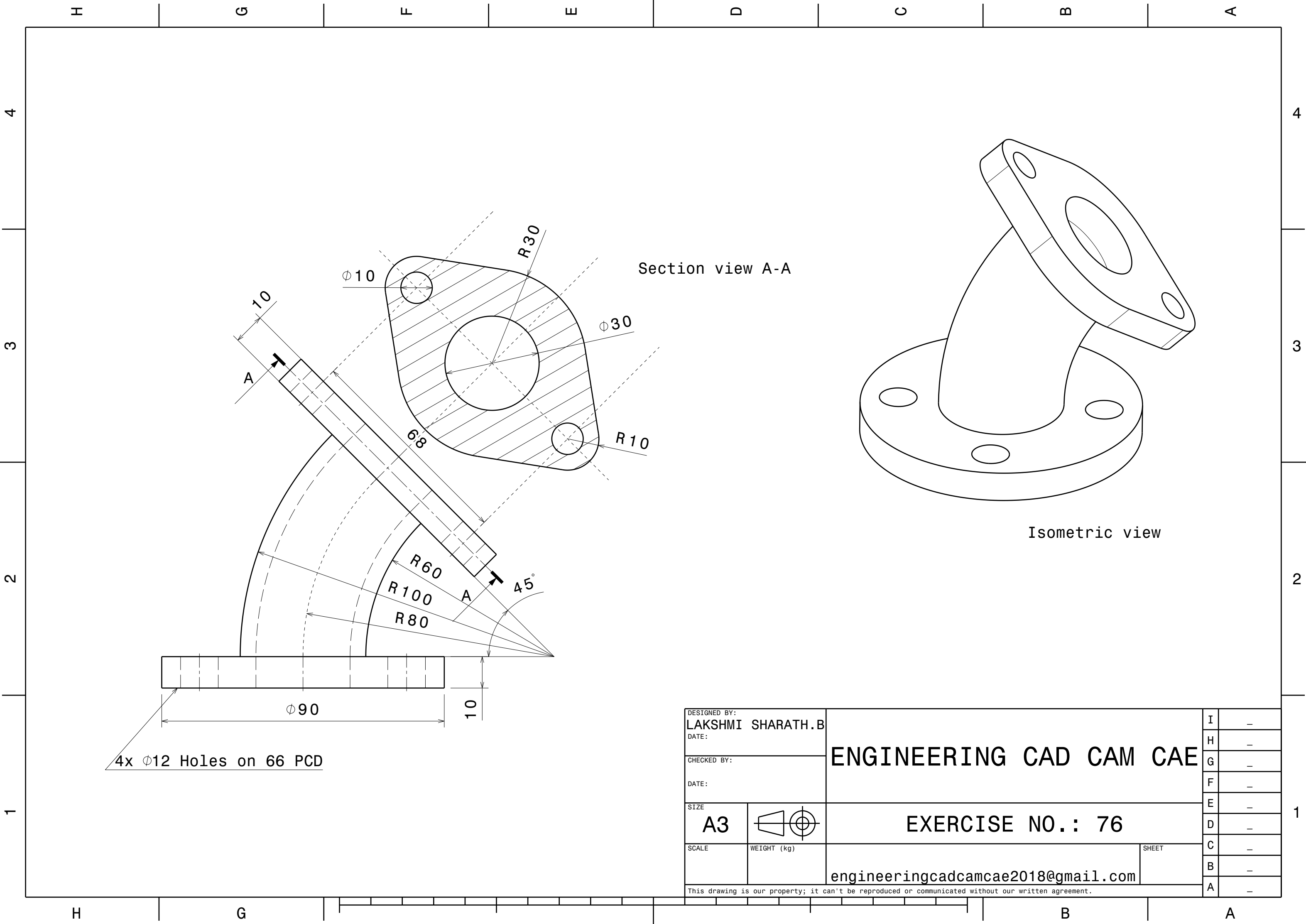
4 x $\phi 6$ Holes
Equally
Spaced

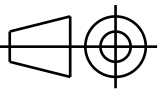


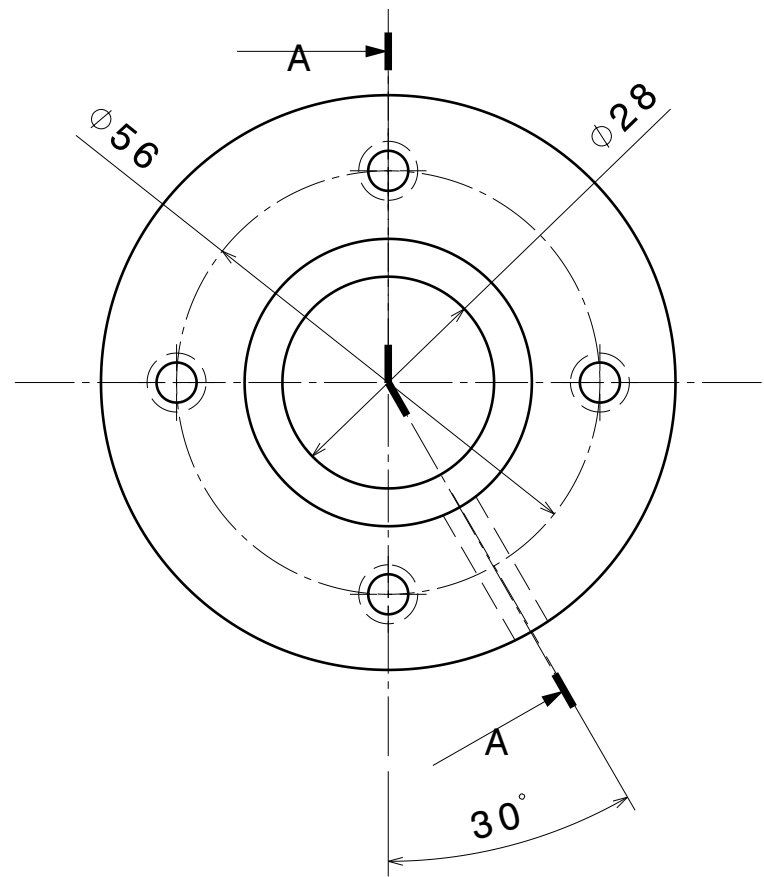
4 x $\phi 10$ Holes
Equally Spaced
on 80 PCD

Isometric view

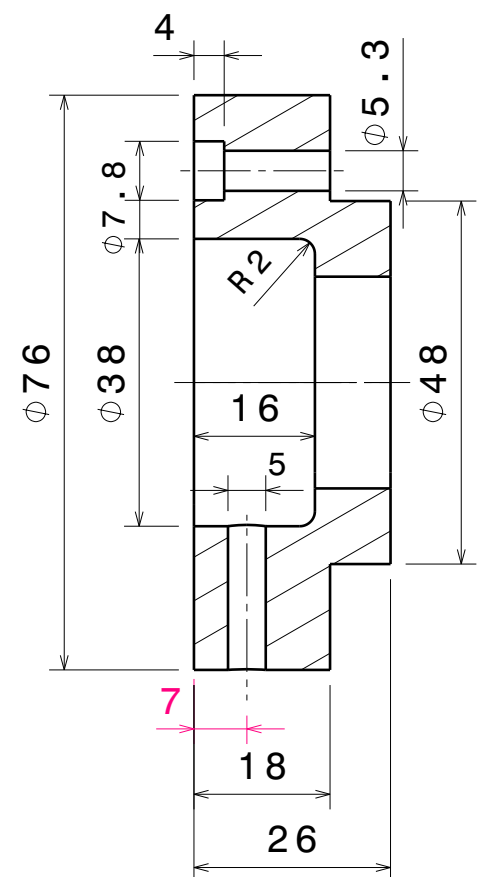
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A3		EXERCISE NO.: 75	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
			B	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	—



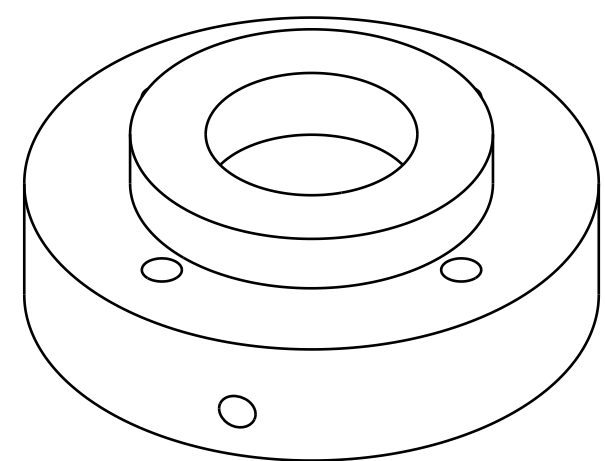
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:		EXERCISE NO.: 76	F	-
SIZE A3			E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	-



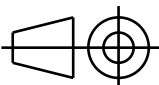
Front view



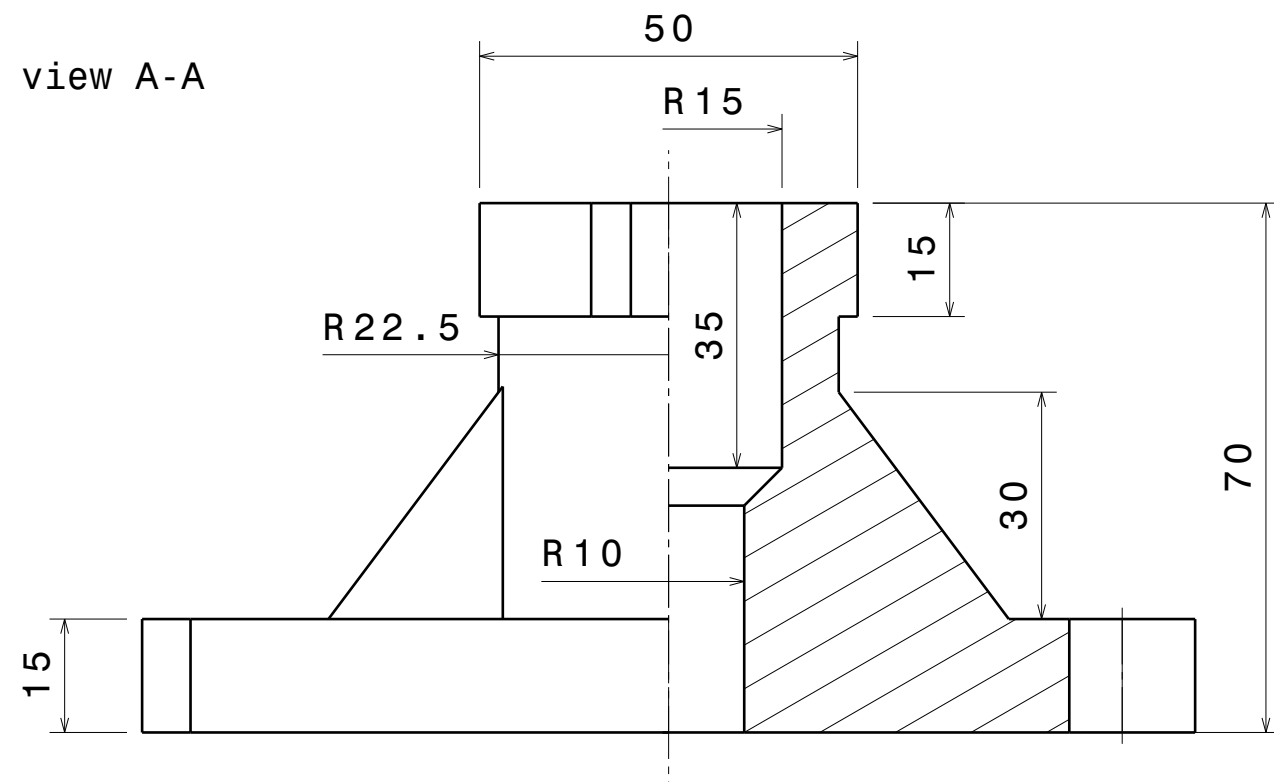
Section view A-A



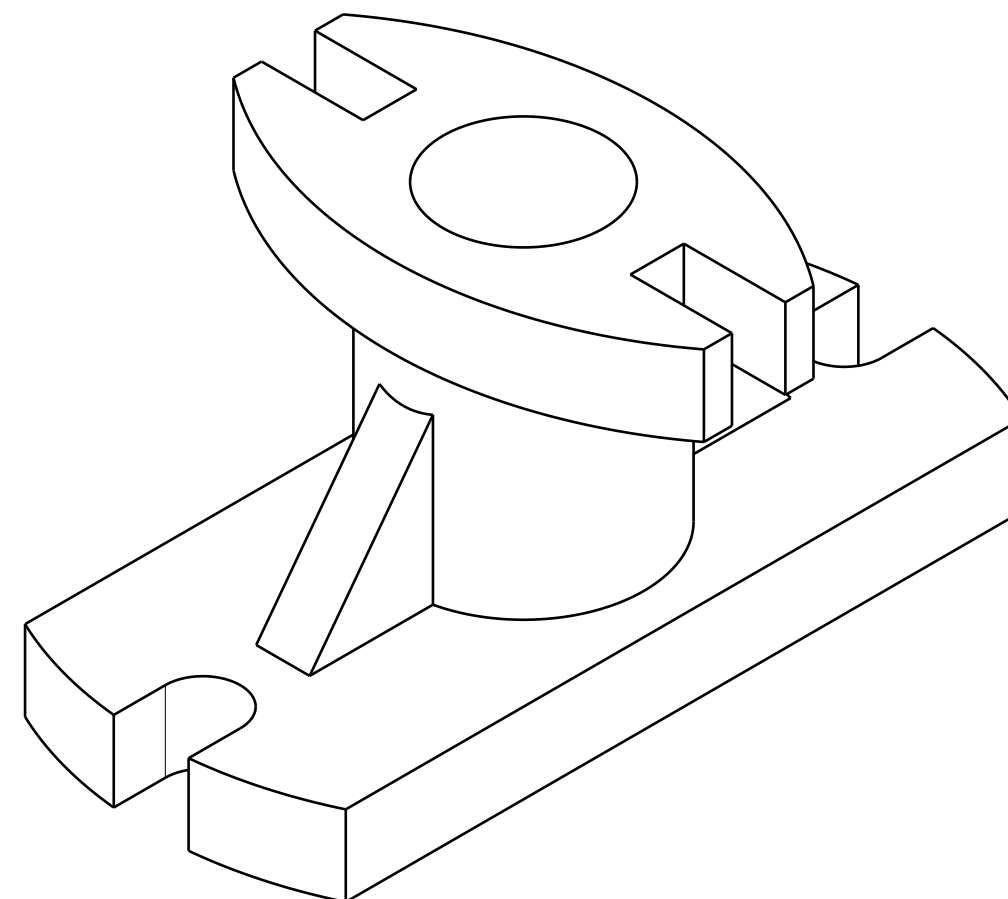
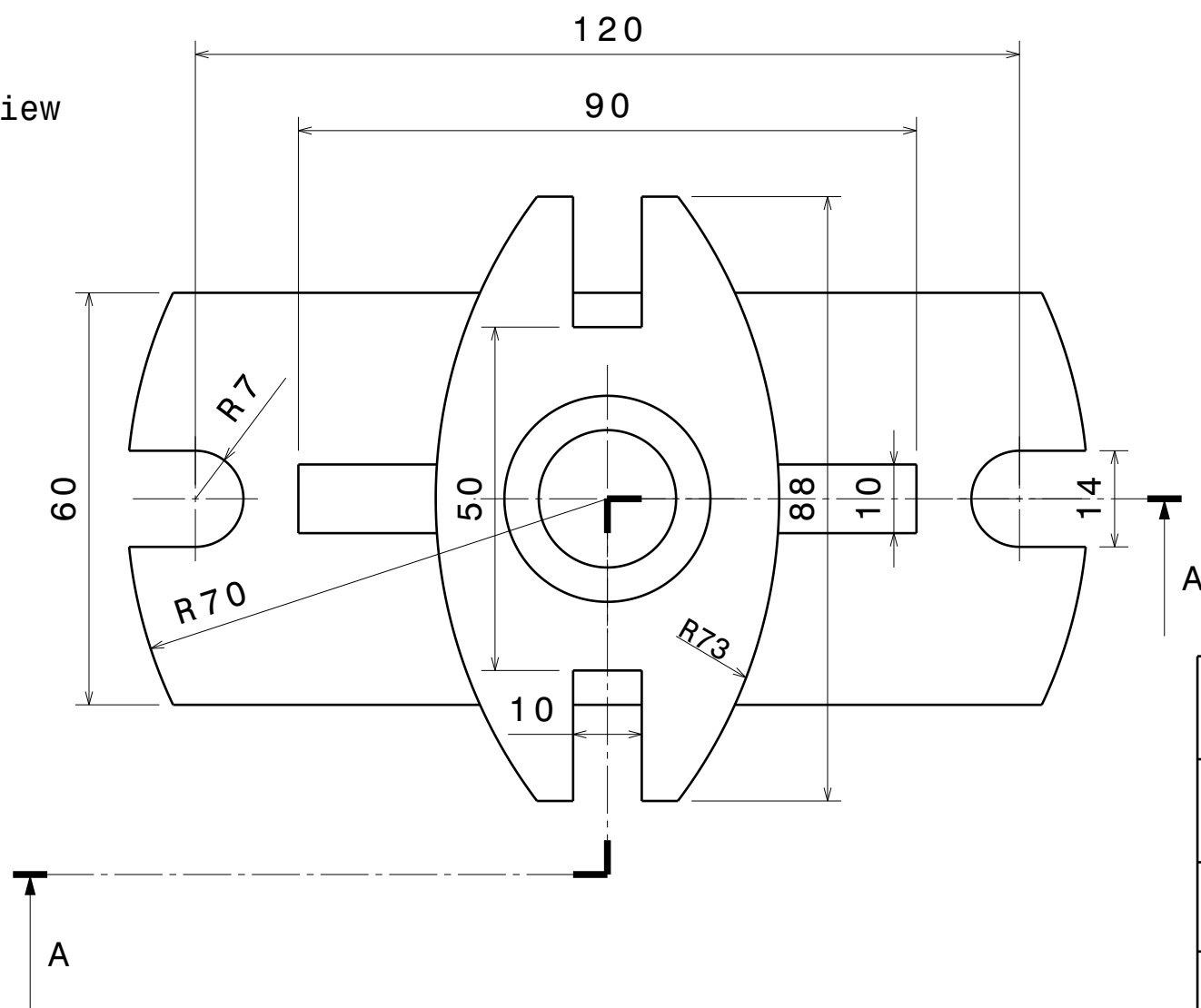
Isometric view

DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A3		EXERCISE NO.: 77	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
			B	—
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Section view A-A



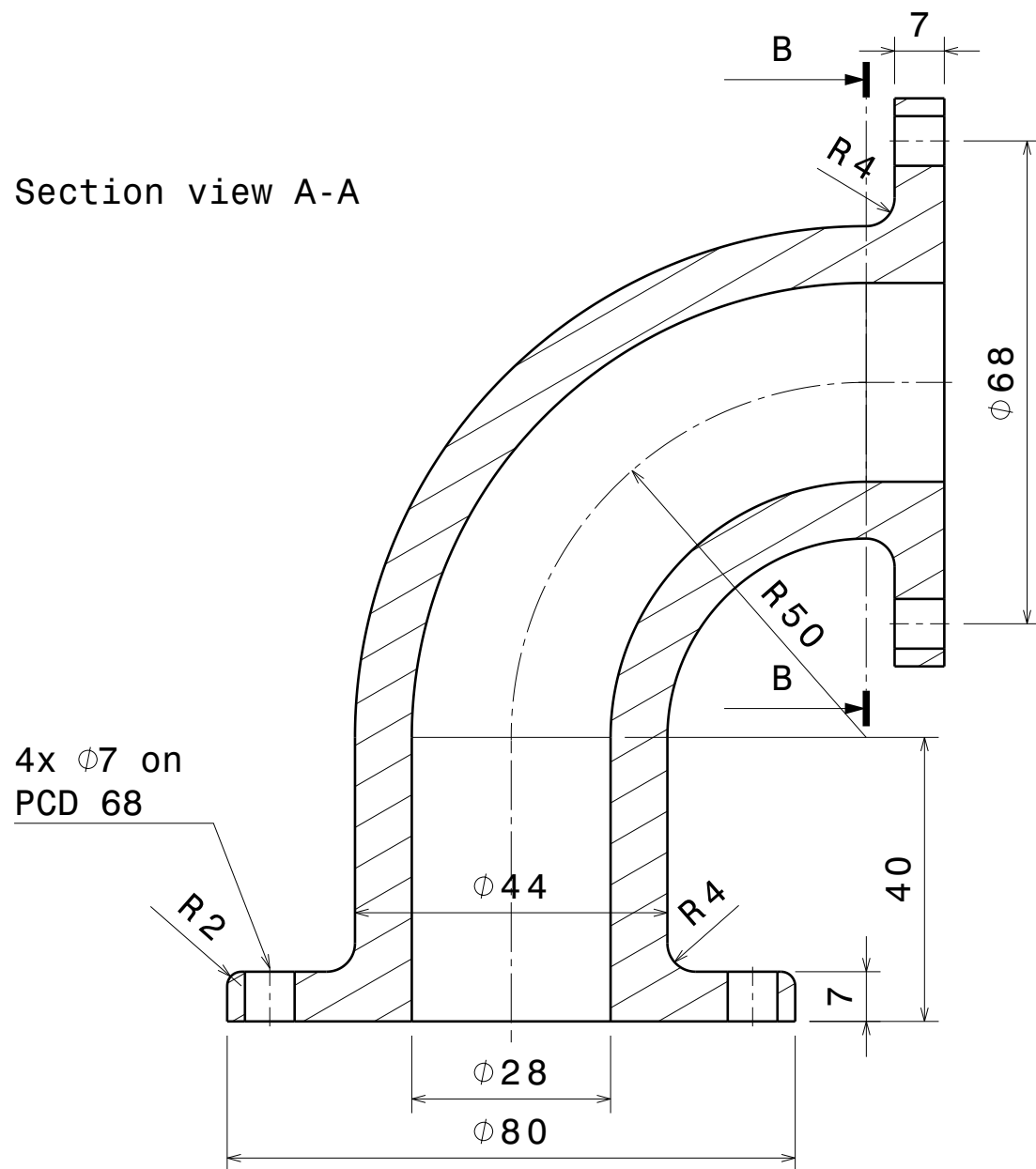
Front view



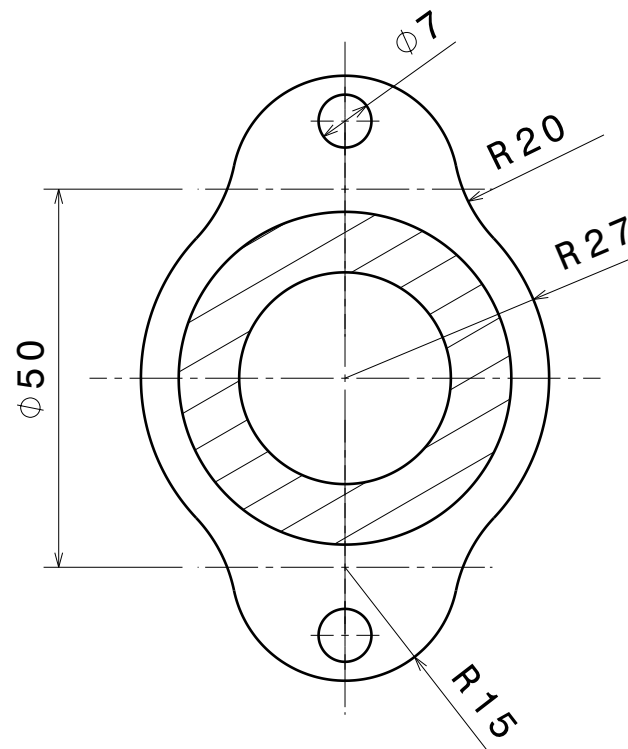
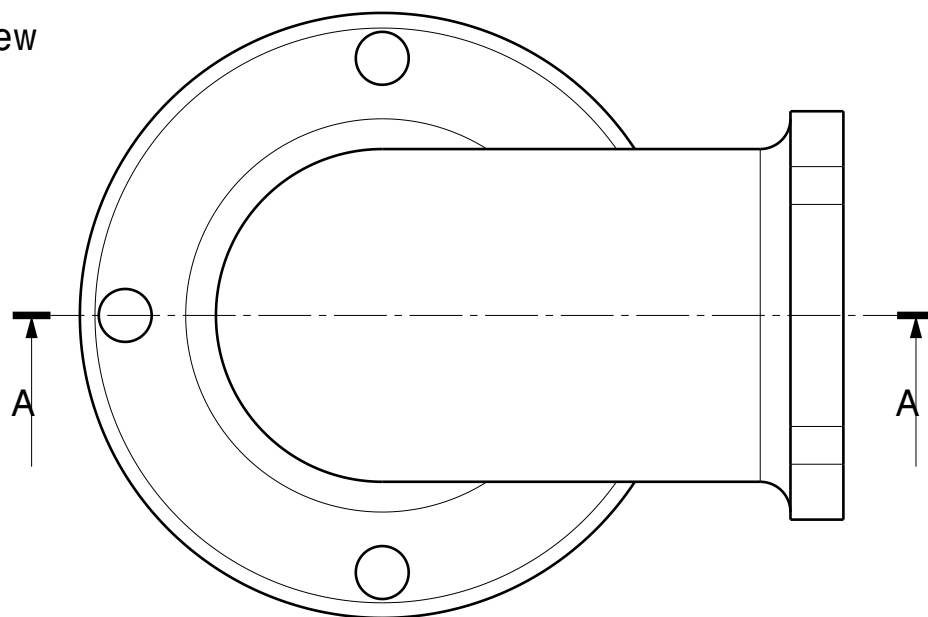
Isometric view

DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY: DATE:				H	—
				G	—
		F	—		
SIZE A3		EXERCISE NO.: 78		E	—
				D	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		C	—
				B	—
				A	—
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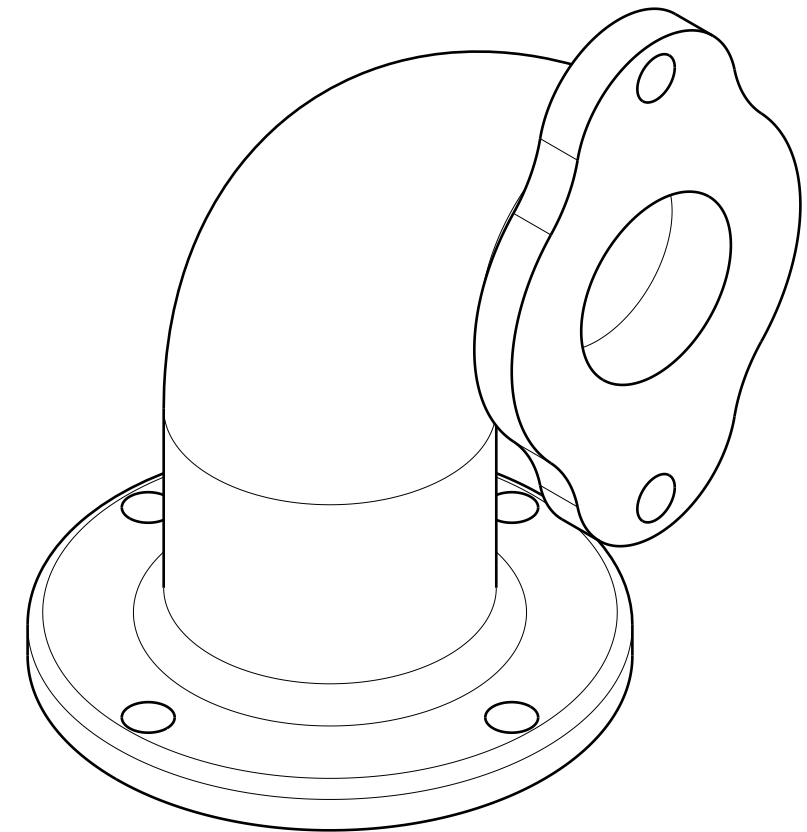
Section view A-A



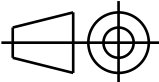
Top View

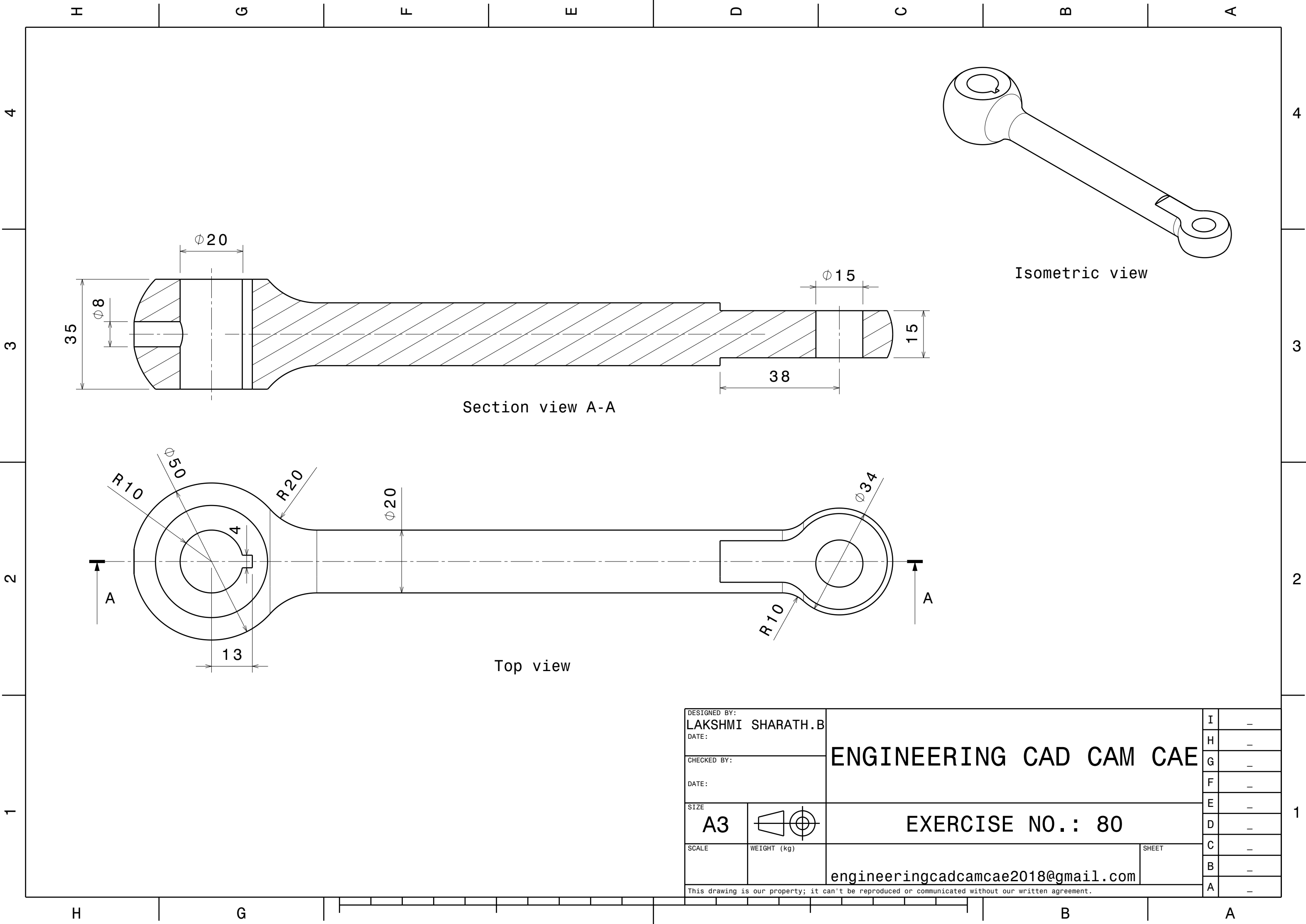


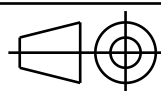
Section view B-B



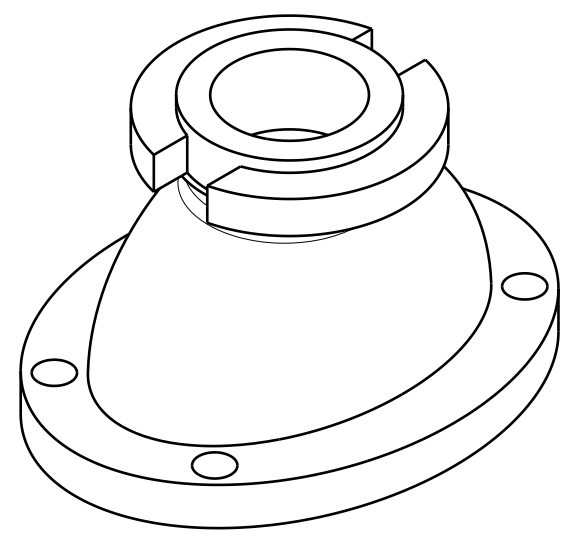
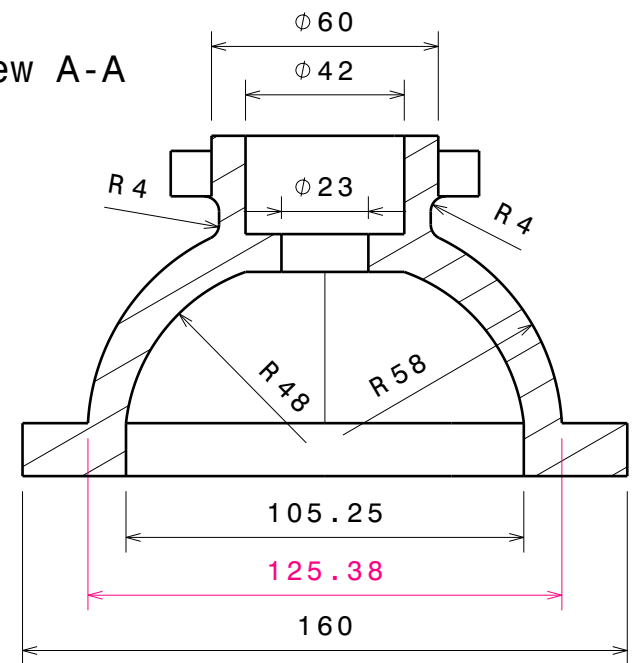
Isometric view

DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		EXERCISE NO.: 79	F	—
SCALE	WEIGHT (kg)		E	—
engineeringcadcamcae2018@gmail.com			D	—
		C	—	
		B	—	
		A	—	
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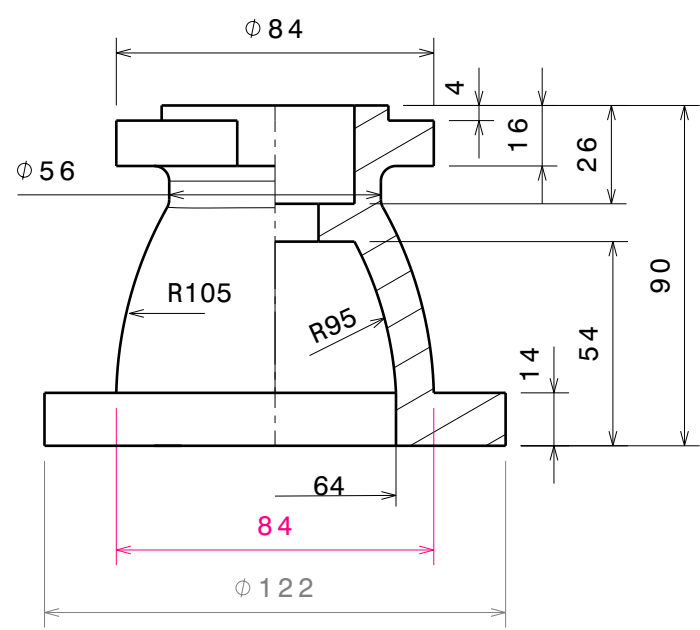
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:		EXERCISE NO.: 80	F	-
SIZE A3			E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
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Section view A-A

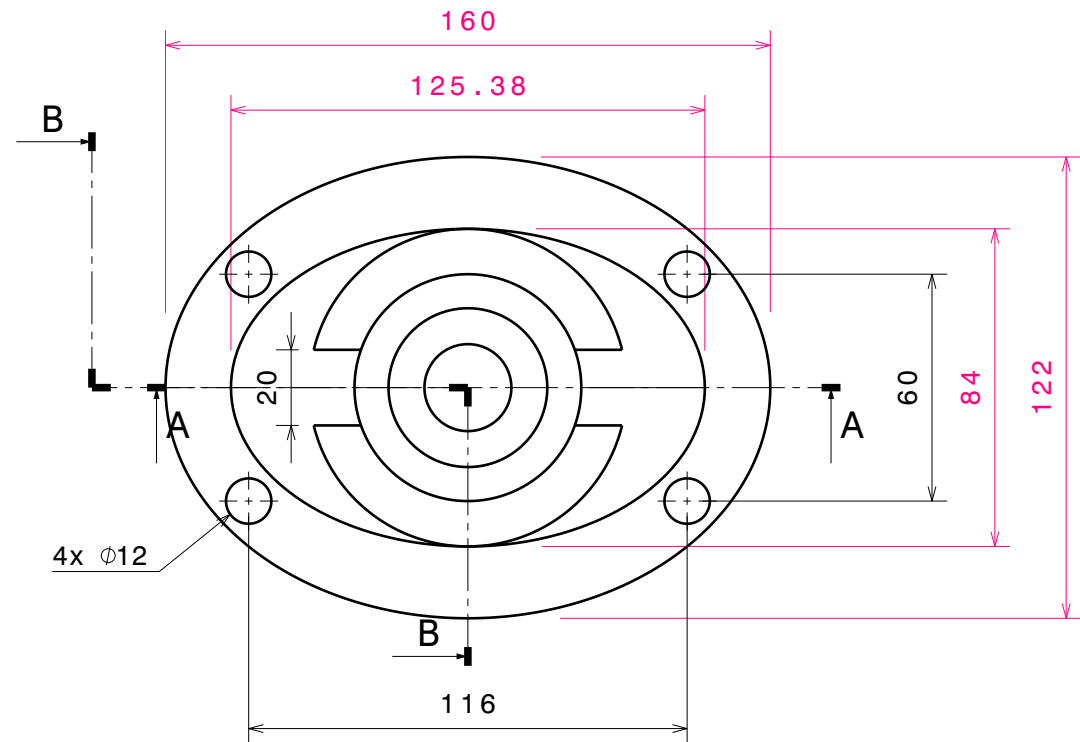


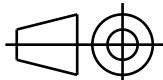
Isometric view

Section view B-B



Front view



DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY: DATE:				H	—
				G	—
SIZE <div>A3</div>		F	—		
		E	—		
SCALE		WEIGHT (kg)		D	—
				C	—
		engineeringcadcamcae2018@gmail.com		B	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.				A	—

H

G

F

E

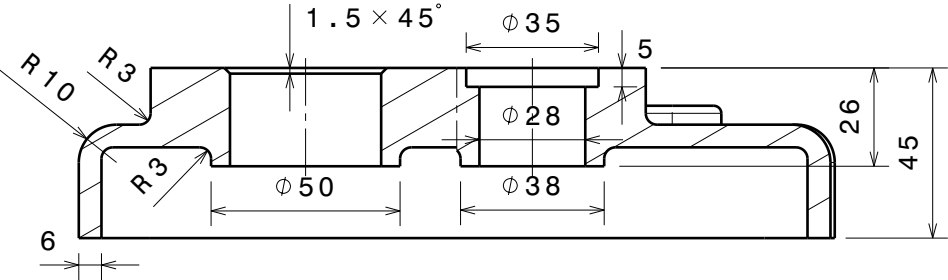
D

C

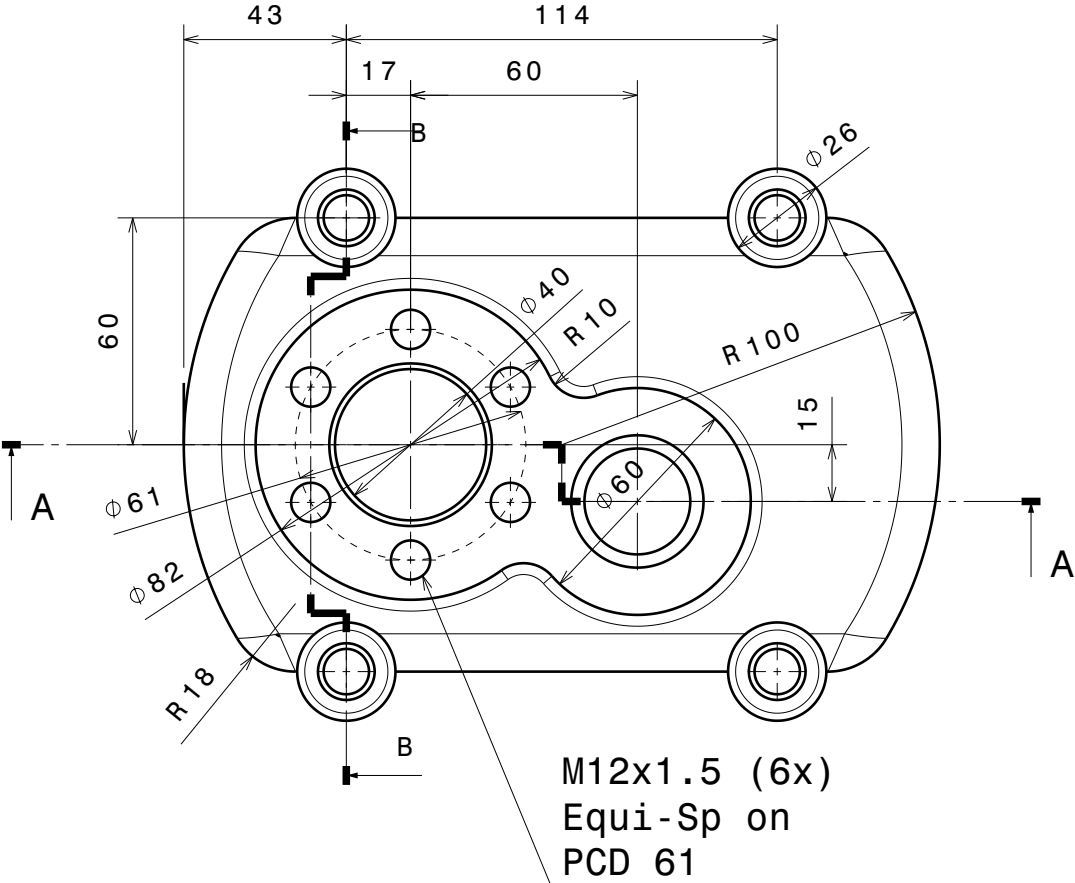
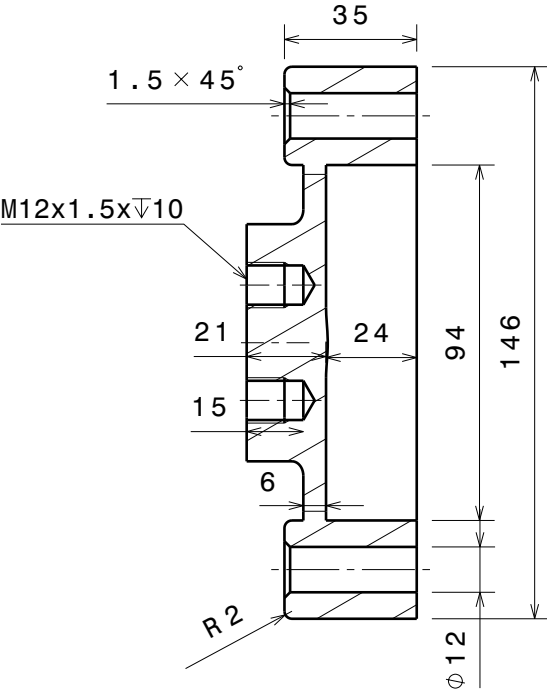
B

A

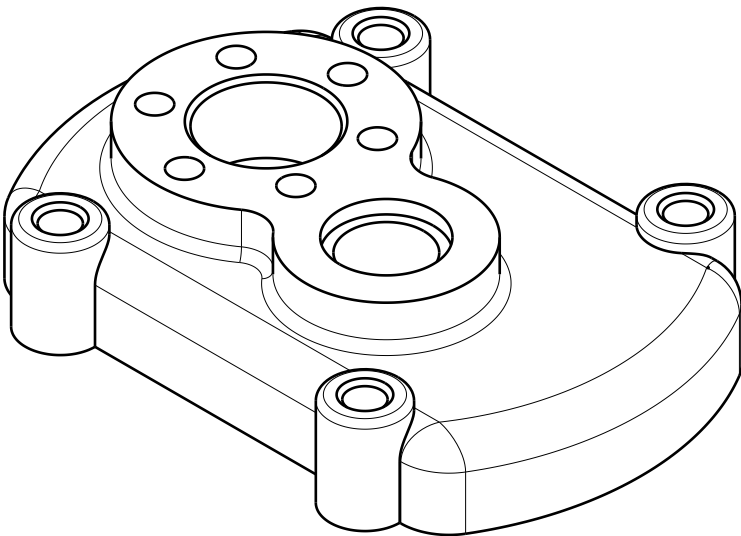
Section view A-A



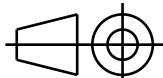
Section view B-B



Front view



Isometric view

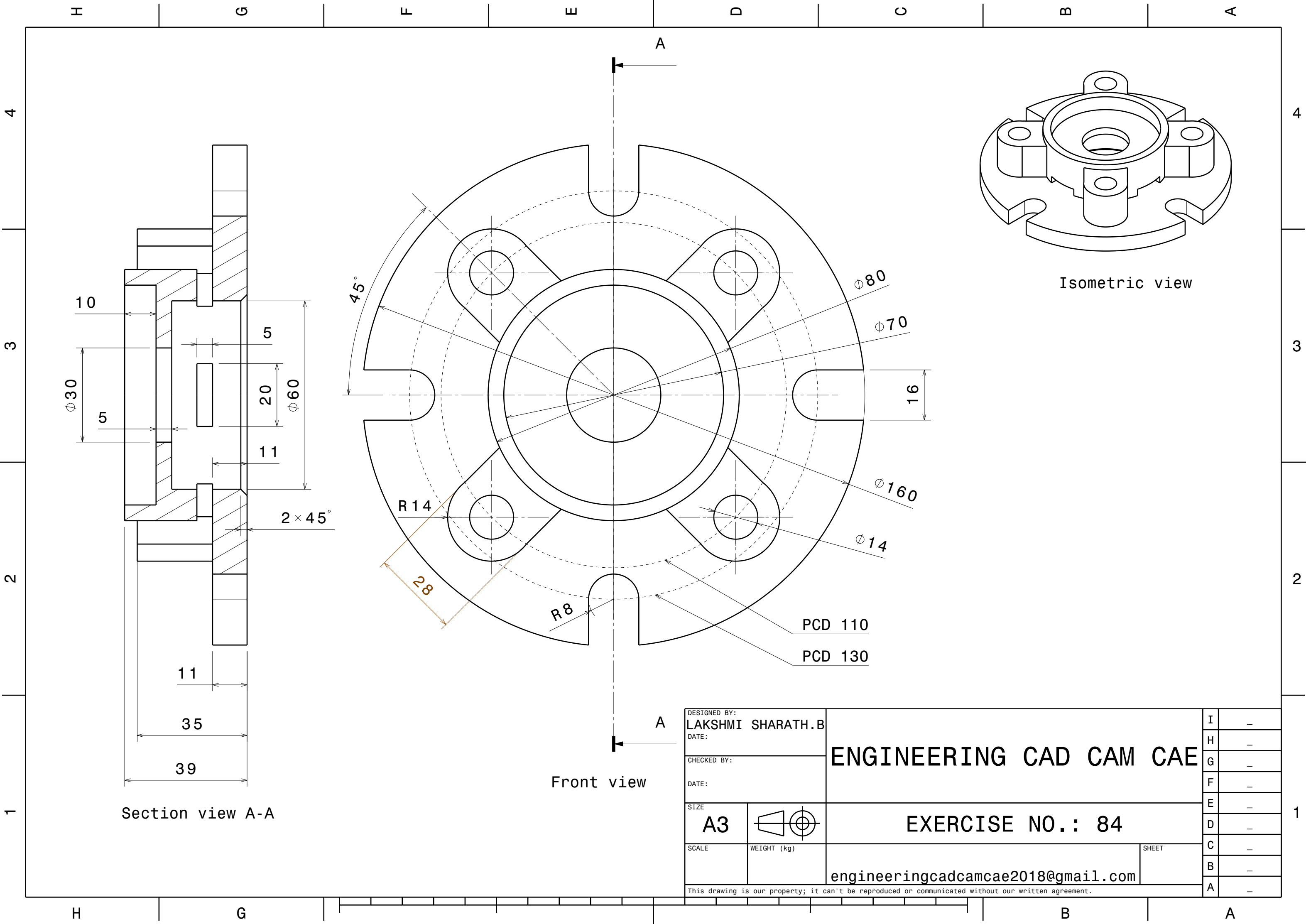
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:			F	-
SIZE A3		EXERCISE NO.: 83	E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	-

H

G

B

A



DESIGNED BY:
LAKSHMI SHARATH.B

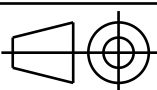
DATE:

CHECKED BY:

DATE:

SIZE

A3



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 84

engineeringcadcamcae2018@gmail.com

SHEET

I

H

G

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E

D

C

B

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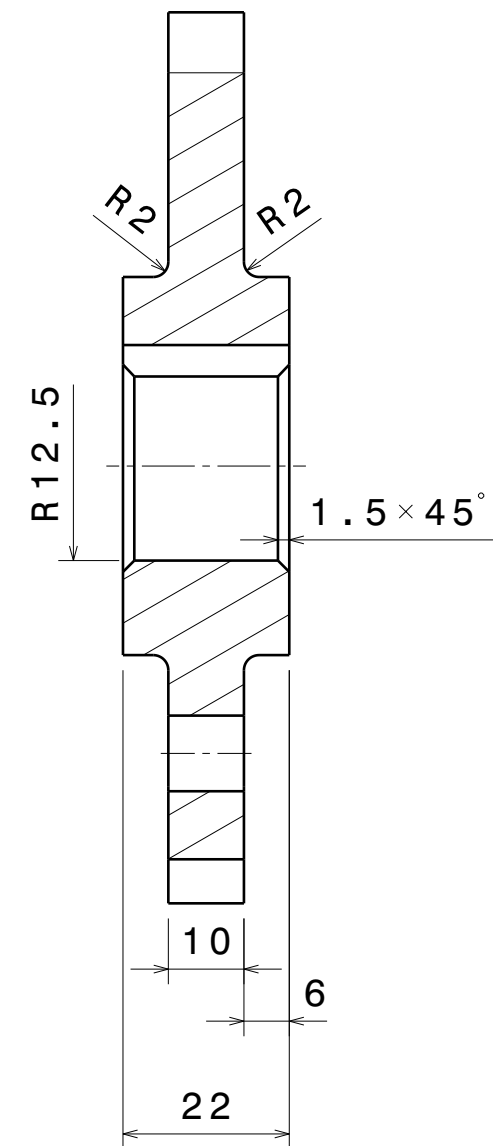
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-

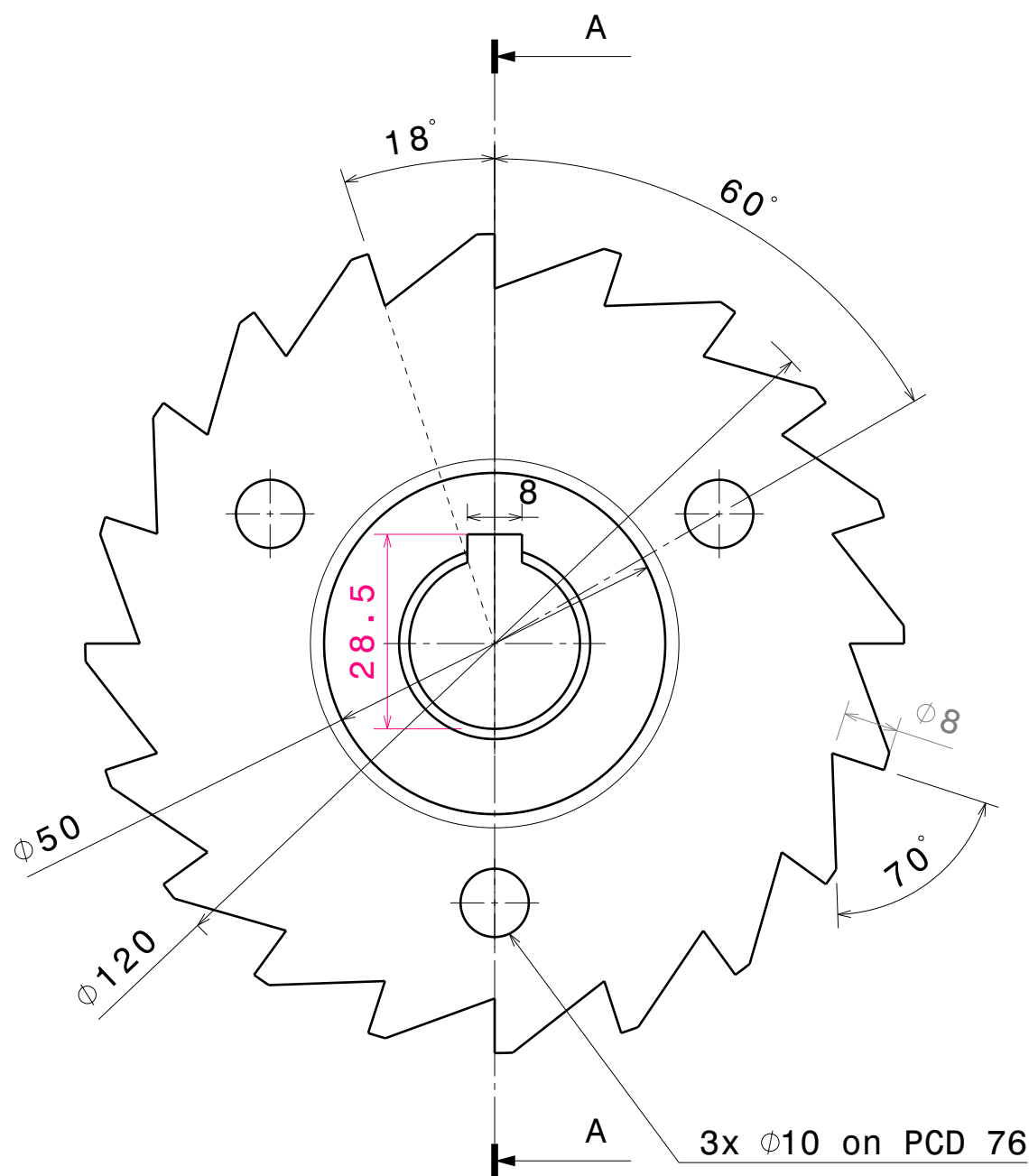
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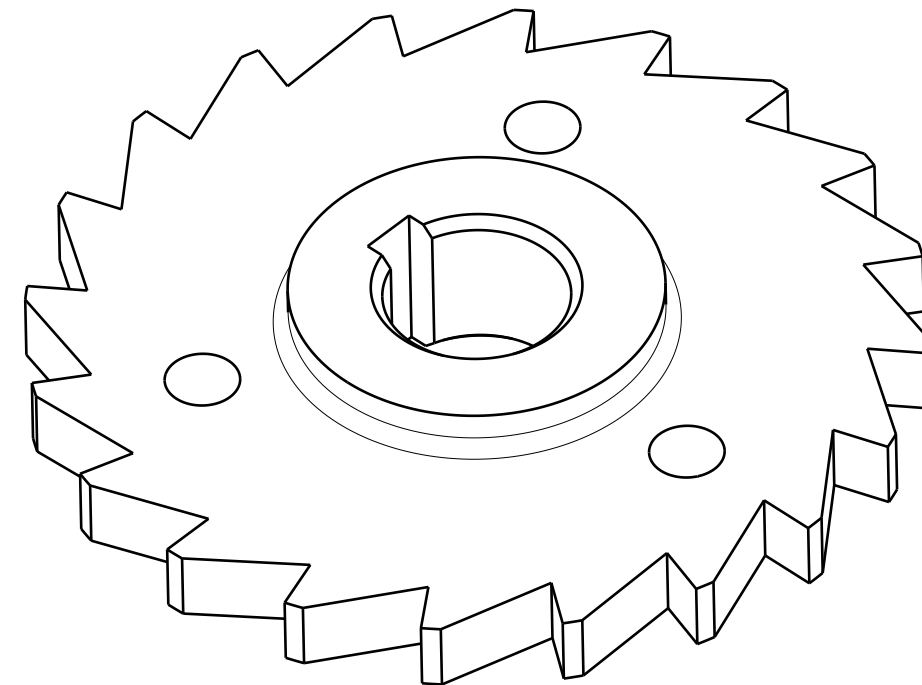
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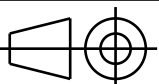
Section view A-A

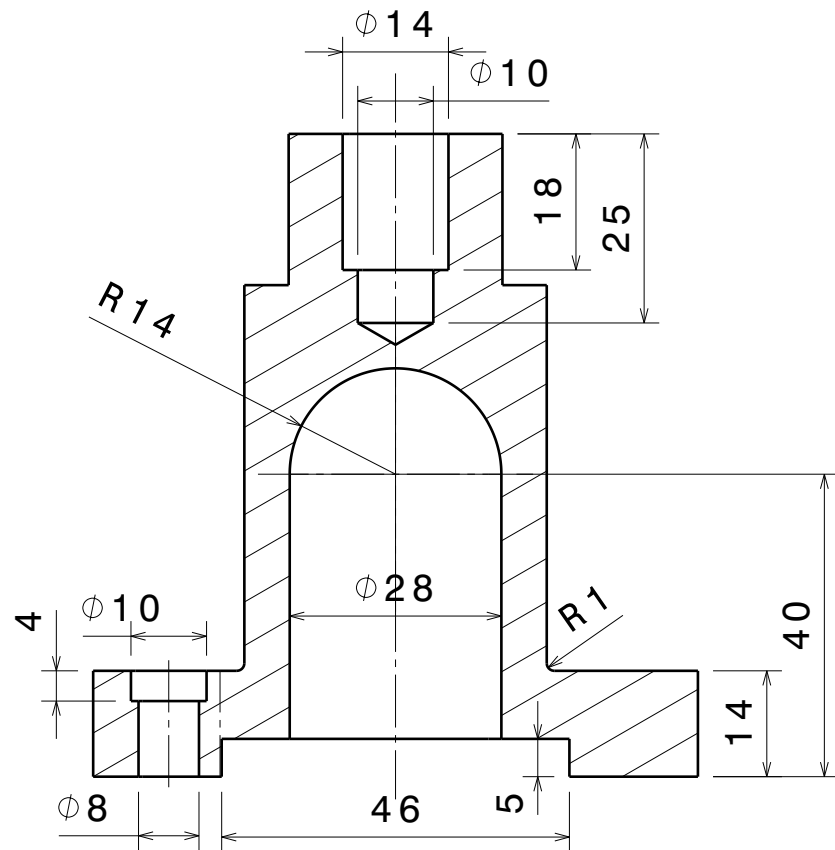


Front view

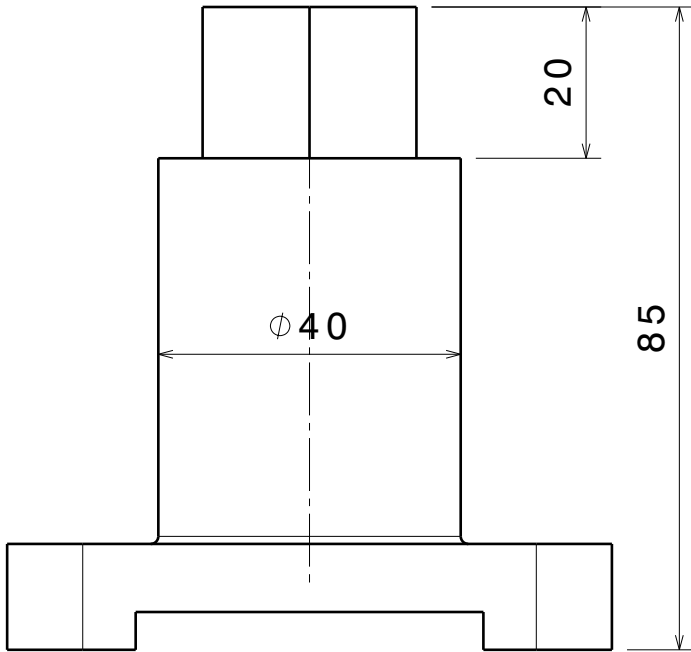


Isometric view

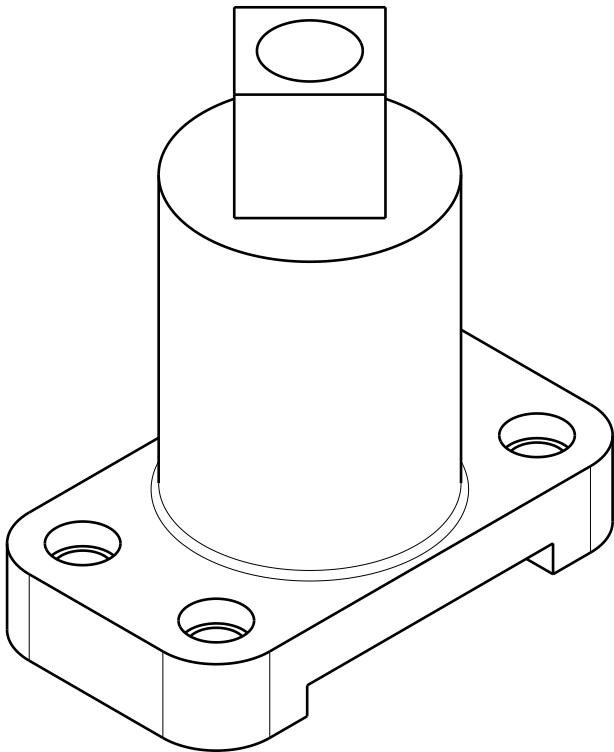
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		EXERCISE NO.: 85	E	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	D	—
			C	—
			B	—
			A	—
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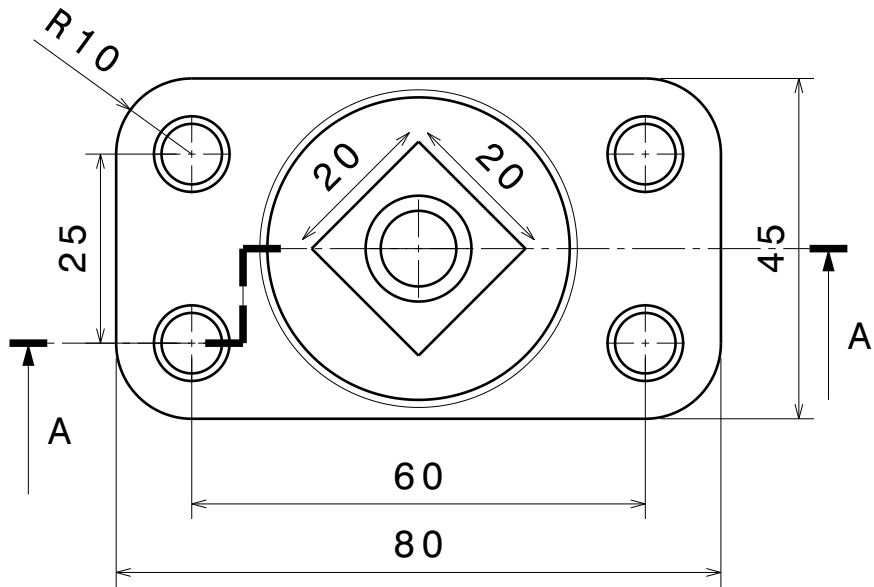
Section view A-A



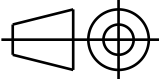
Auxiliary view B

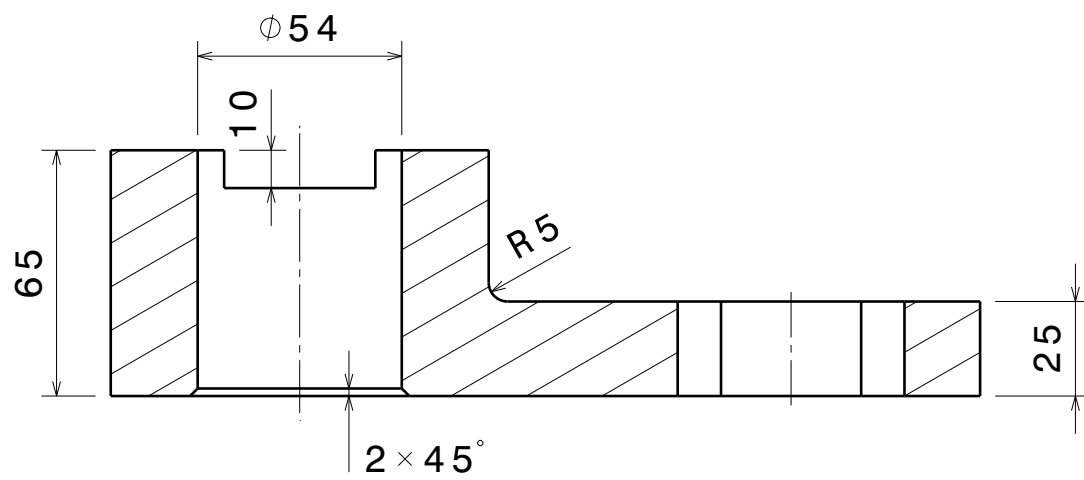


Isometric view

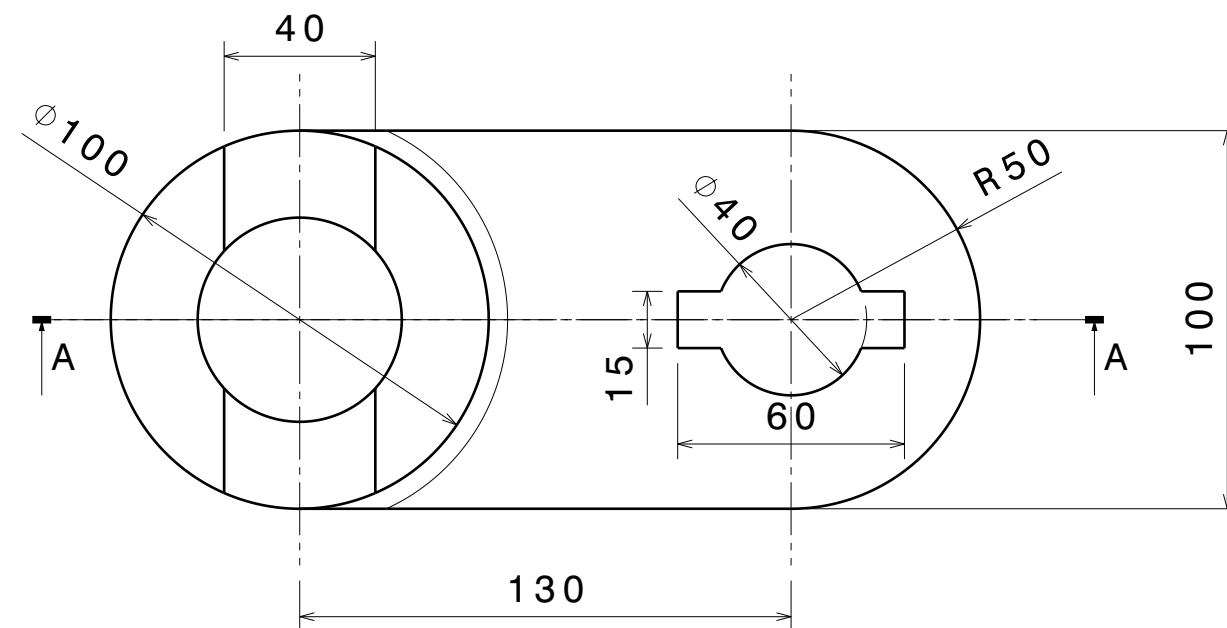


Front view

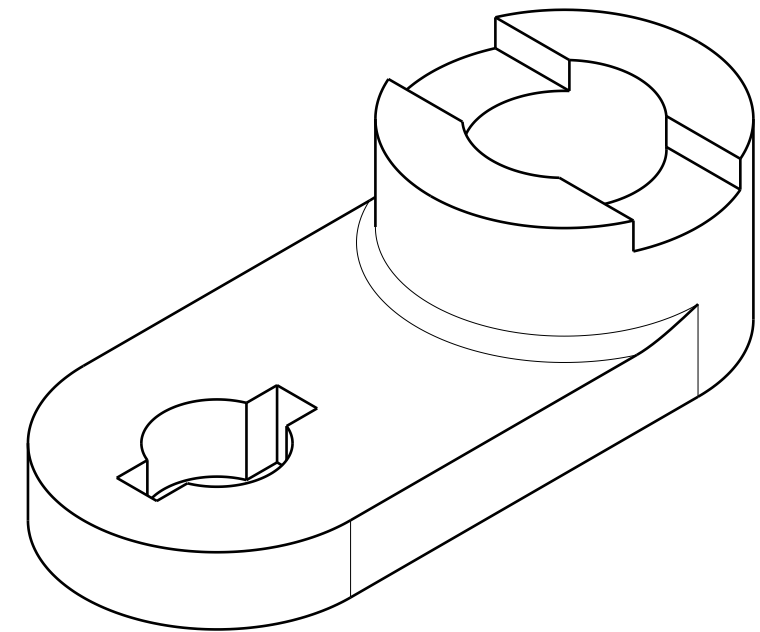
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:		EXERCISE NO.: 86	F	—
SIZE A3			E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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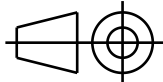
Section view A-A

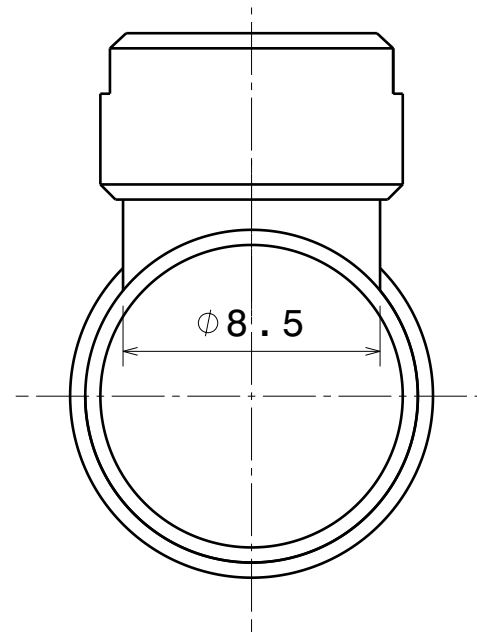
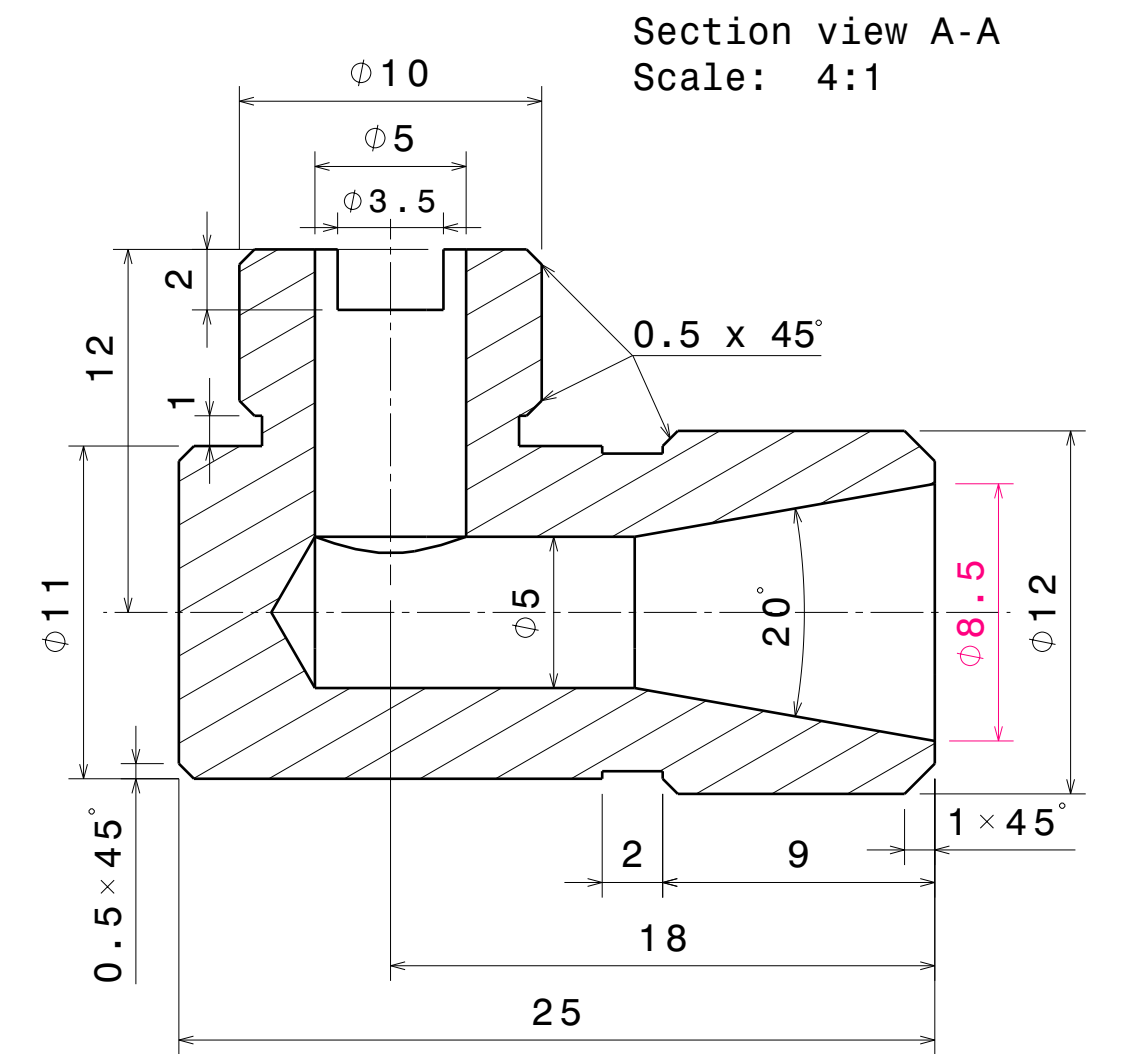


Front view

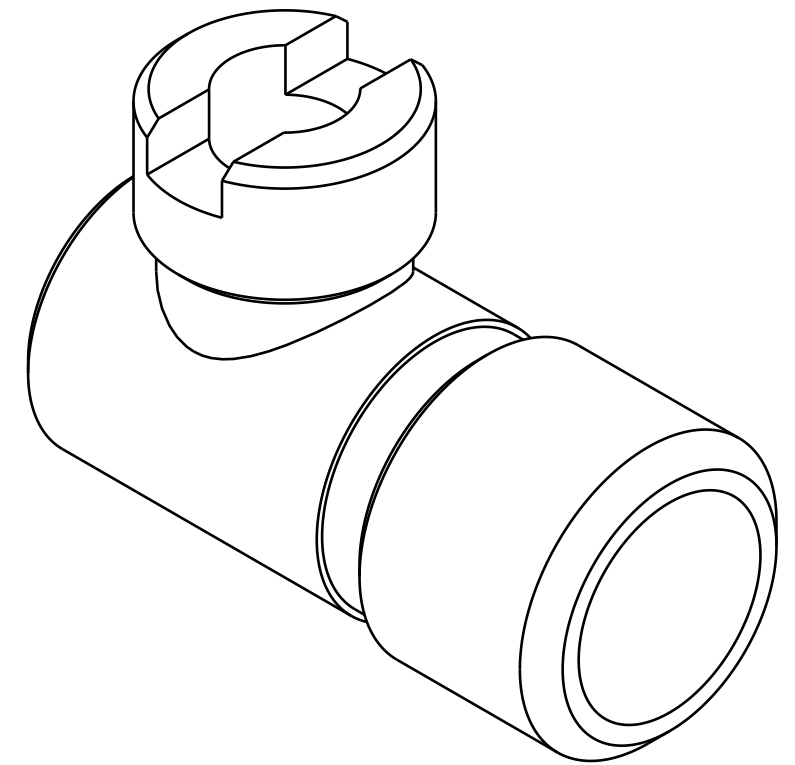


Isometric view

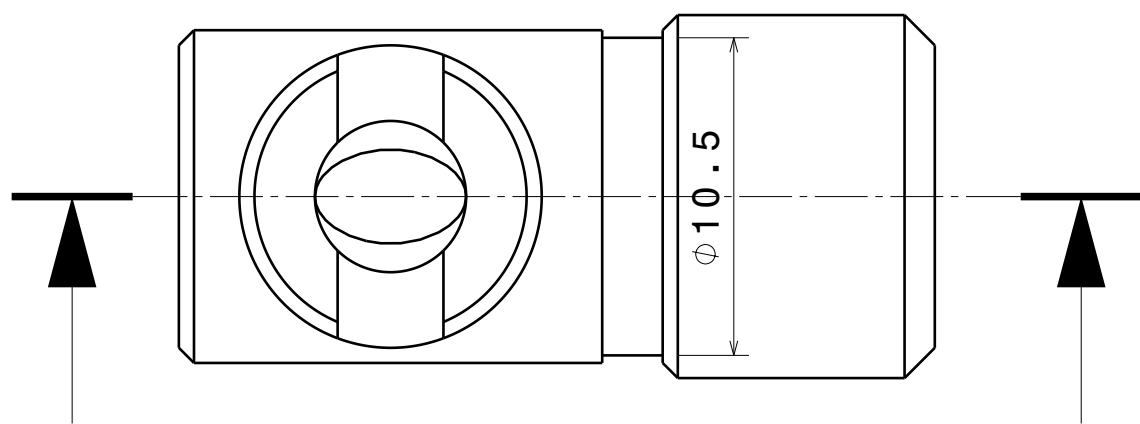
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		EXERCISE NO.: 87	F	—
SCALE	WEIGHT (kg)		E	—
engineeringcadcamcae2018@gmail.com			D	—
			C	—
			B	—
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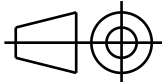
Auxiliary view B
Scale: 4:1

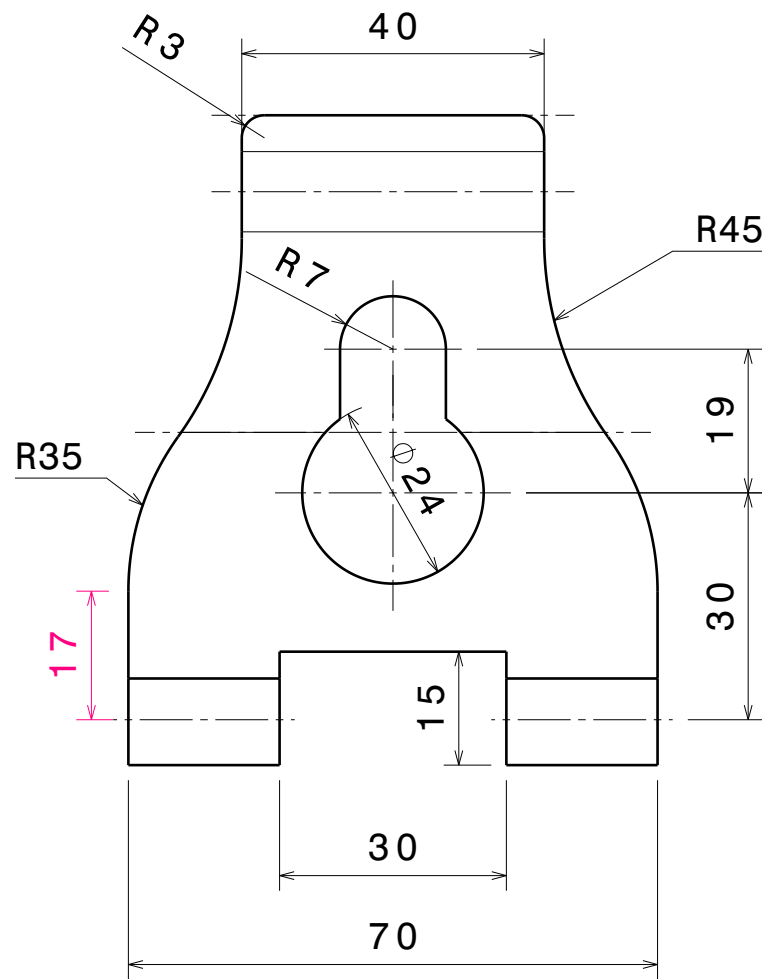


Isometric view
Scale: 4:1

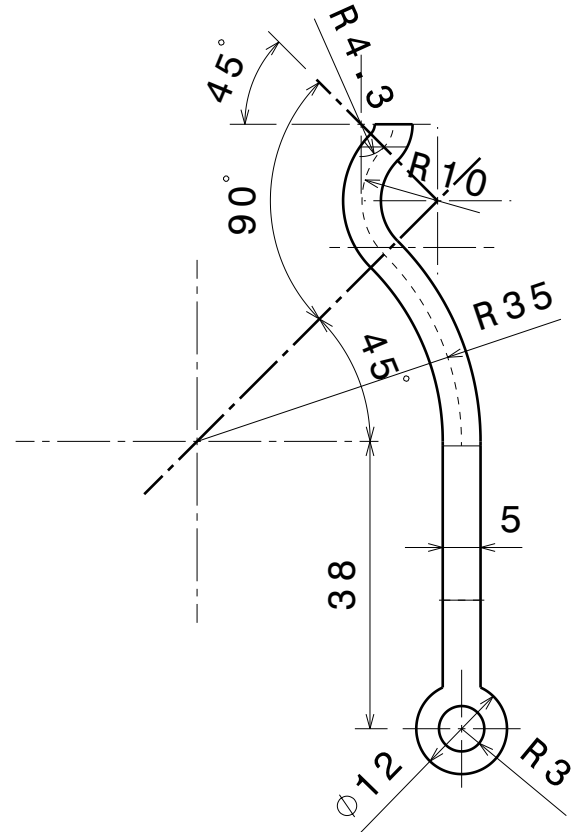


Front view
Scale: 4:1

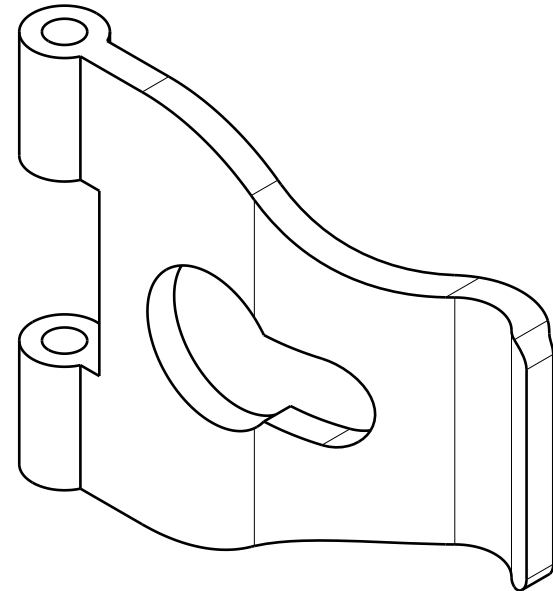
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		EXERCISE NO.: 88	F	—
			E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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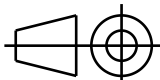
Front view

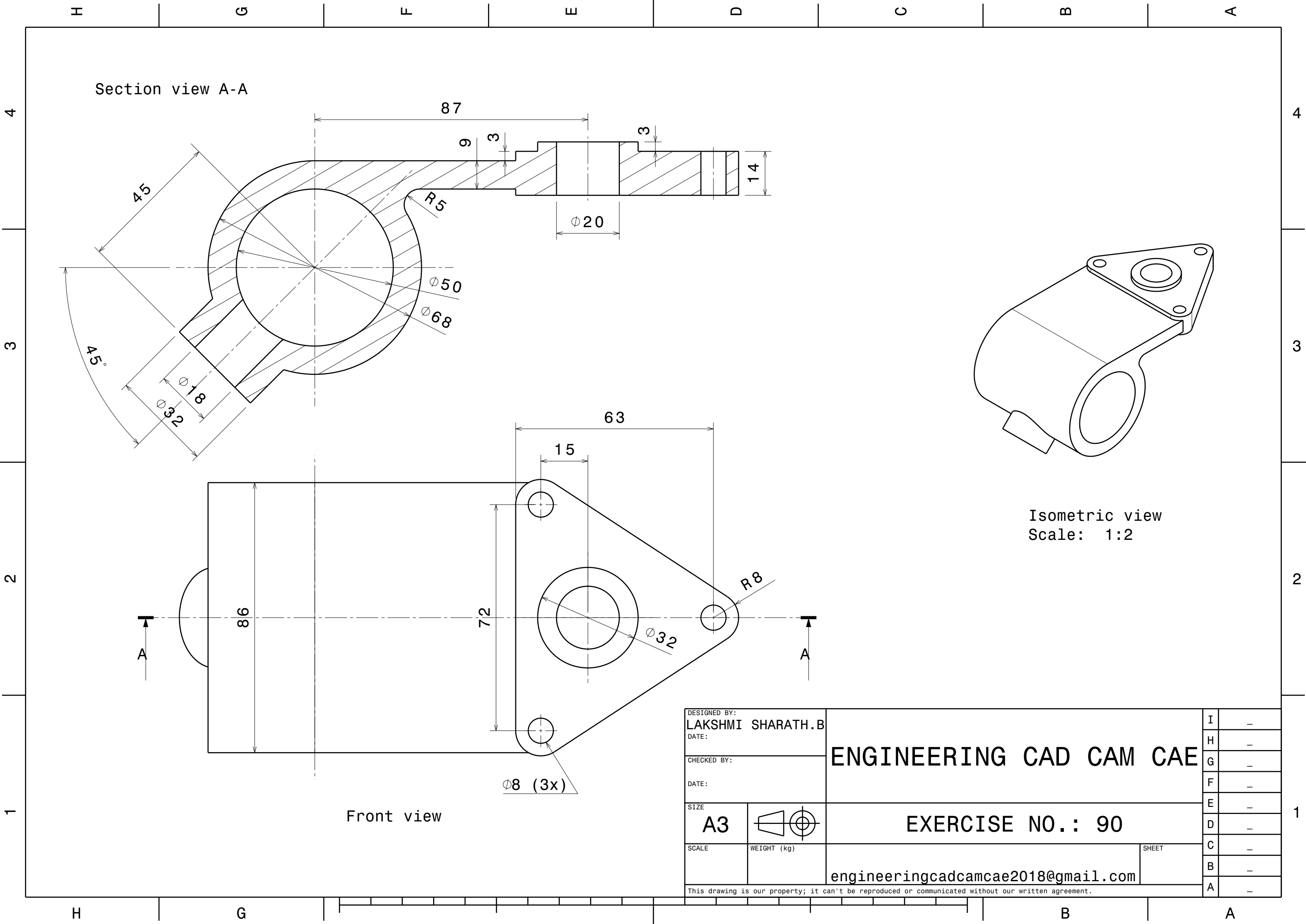


Left View



Isometric view

DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE		I	-
DATE:				H	-
CHECKED BY:				G	-
DATE:		EXERCISE NO.: 89		F	-
SIZE				E	-
A3				D	-
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		C	-
				B	-
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DESIGNED BY:
LAKSHMI SHARATH.B
DATE:

CHECKED BY:
DATE:

SIZE
A3



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

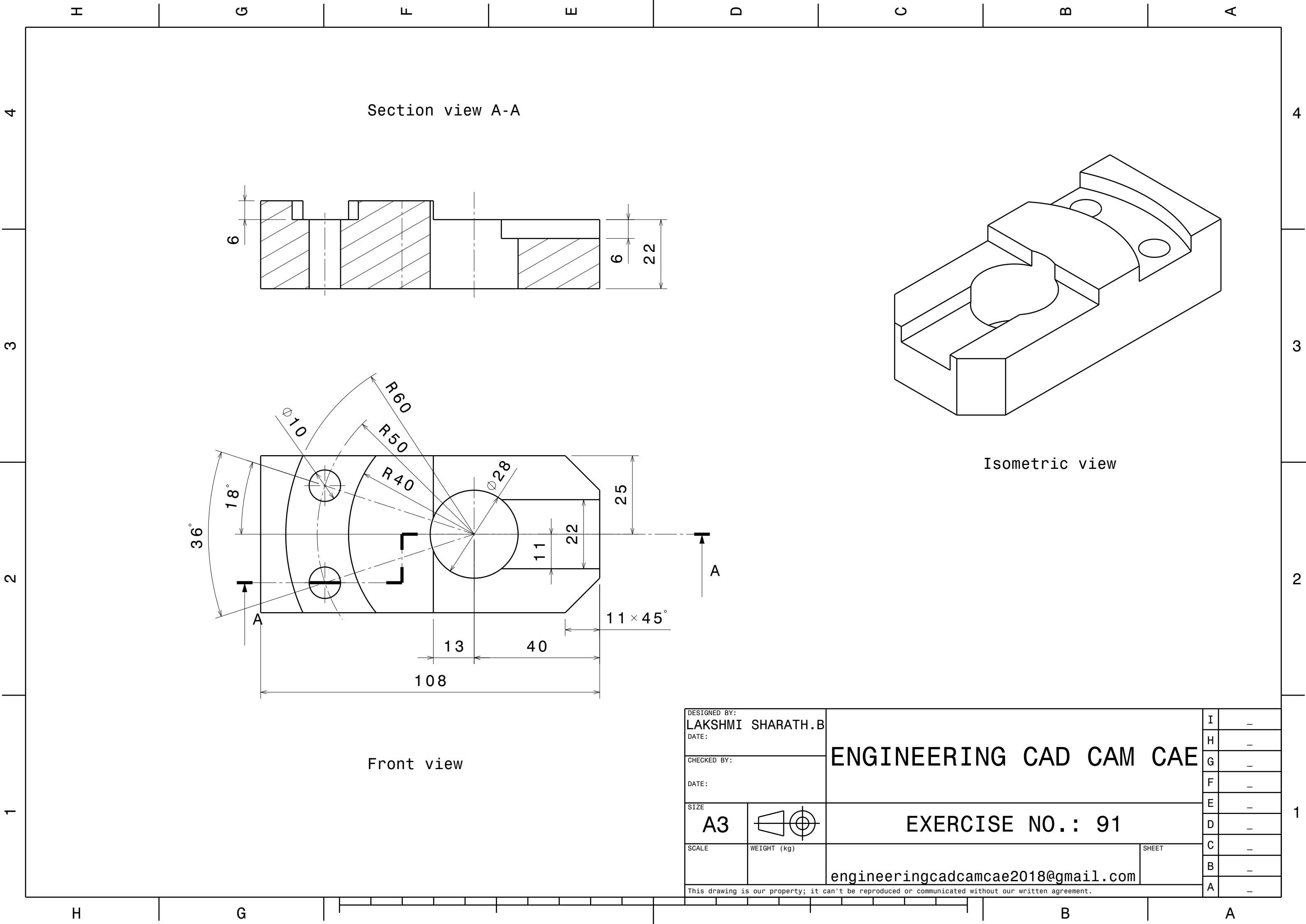
EXERCISE NO.: 90

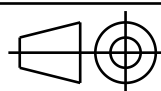
engineeringcadcamcae2018@gmail.com

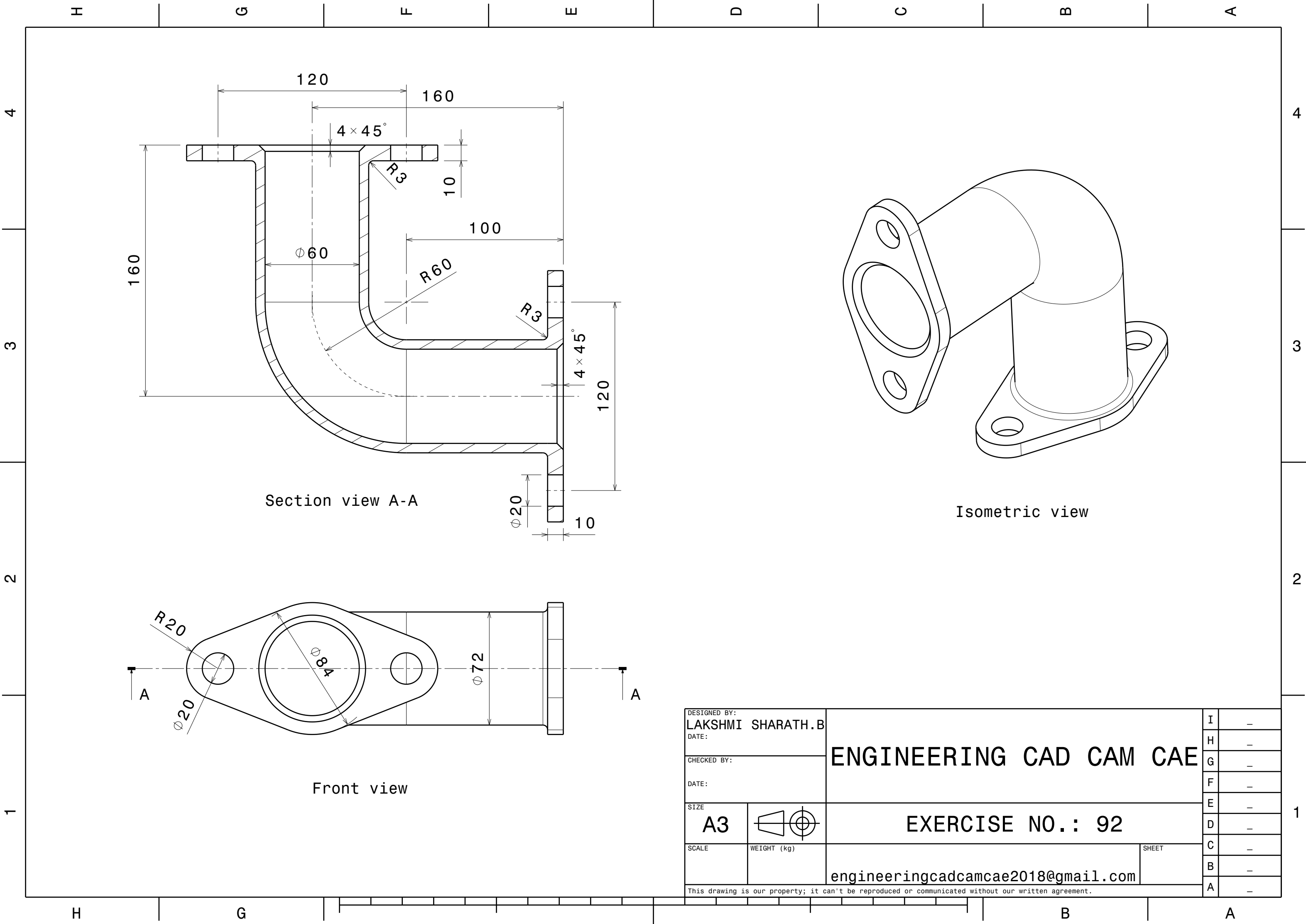
SHEET

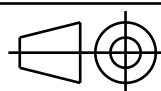
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

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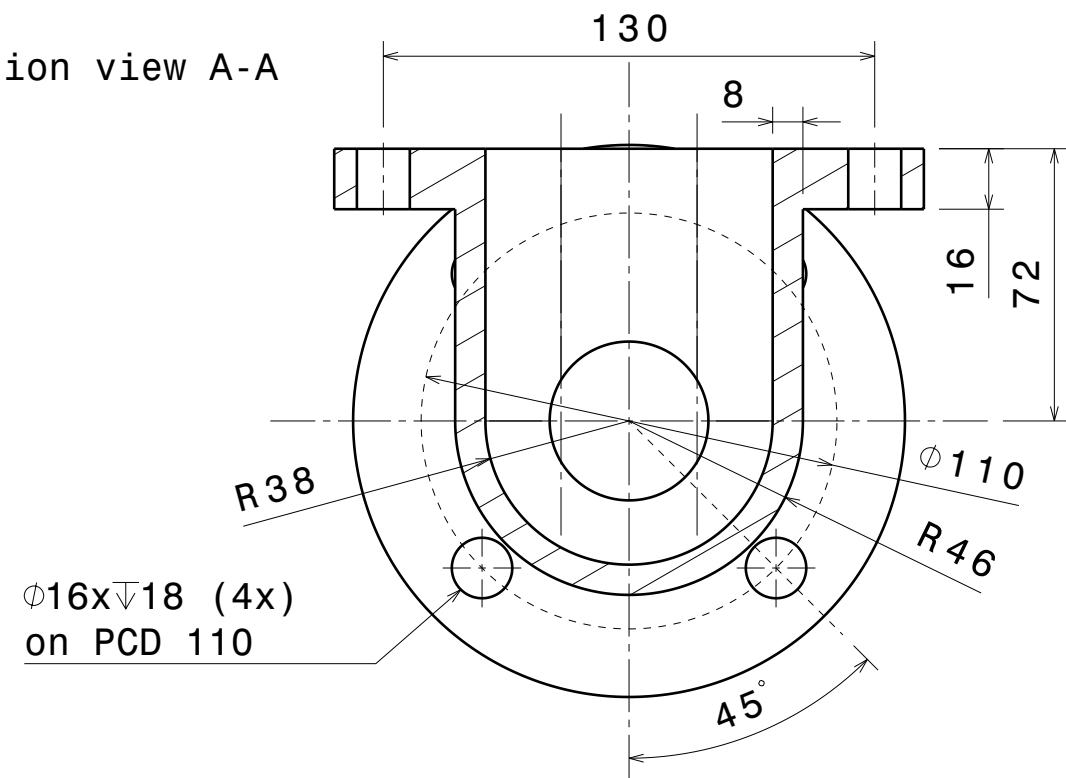


DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE		I	-
DATE:				H	-
CHECKED BY:				G	-
DATE:		EXERCISE NO.: 91		F	-
SIZE A3				E	-
SCALE	WEIGHT (kg)			D	-
		engineeringcadcamcae2018@gmail.com		C	-
				B	-
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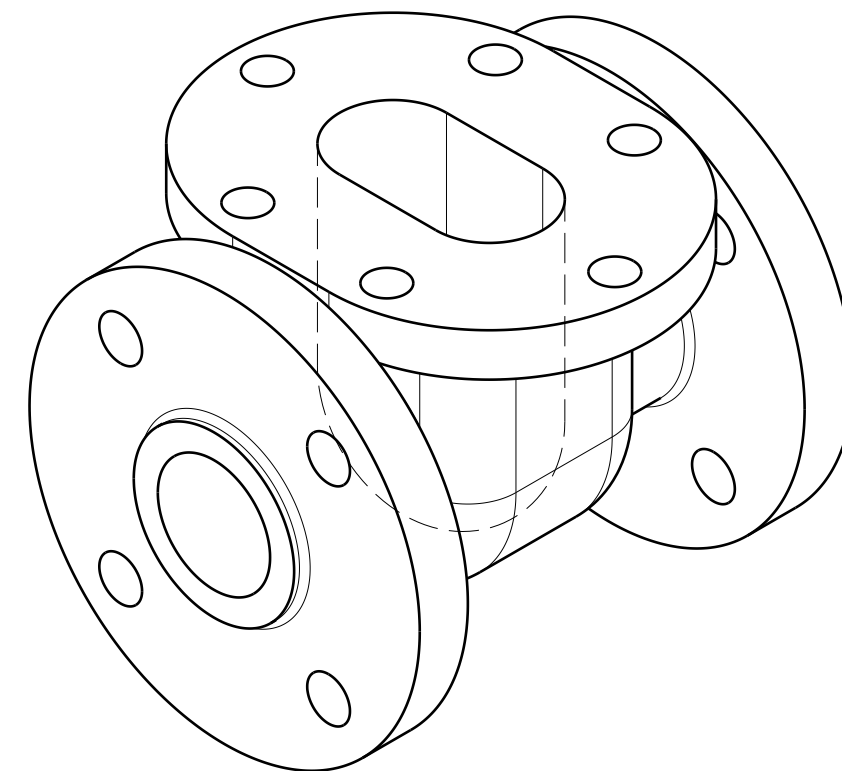
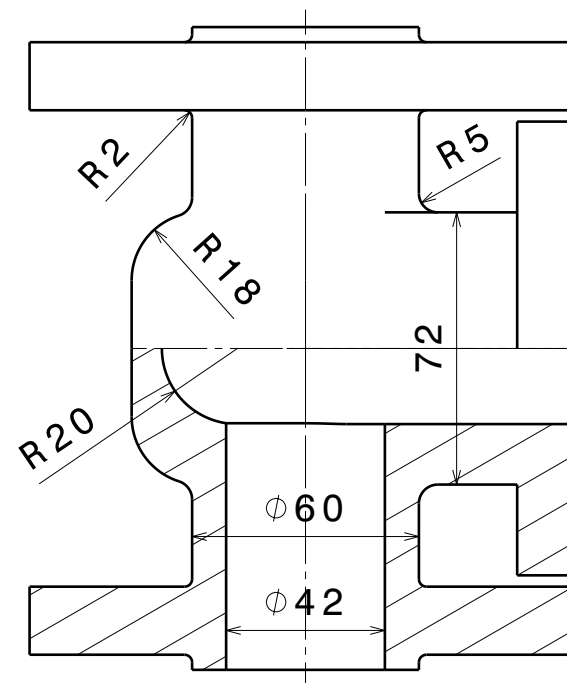


DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:			F	-
SIZE A3		EXERCISE NO.: 92	E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
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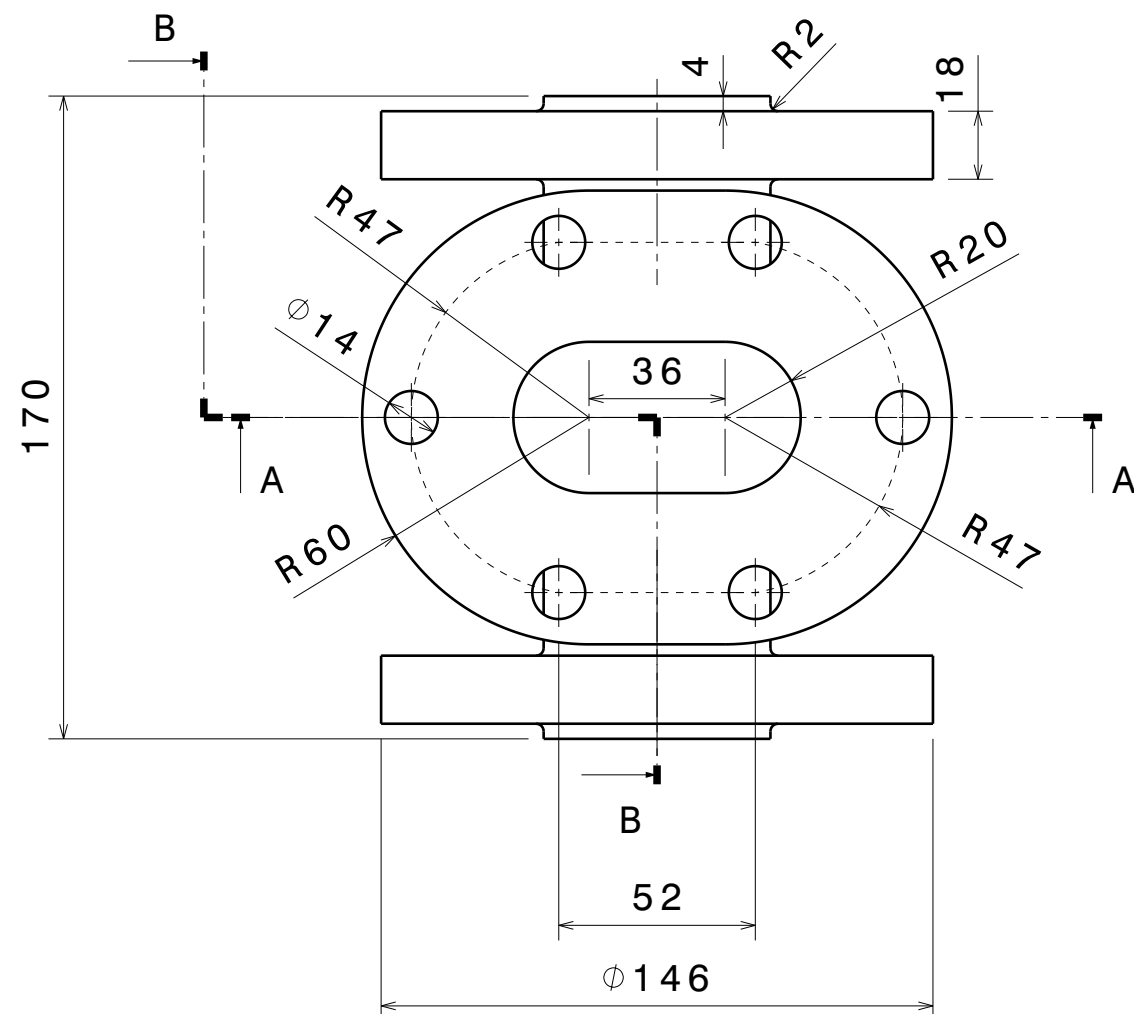
Section view A-A



Section view B-B



Isometric view



Front view

DESIGNED BY:
LAKSHMI SHARATH.B

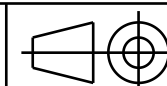
DATE:

CHECKED BY:

DATE:

SIZE

A3



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 94

engineeringcadcamcae2018@gmail.com

SHEET

I

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G

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E

D

C

B

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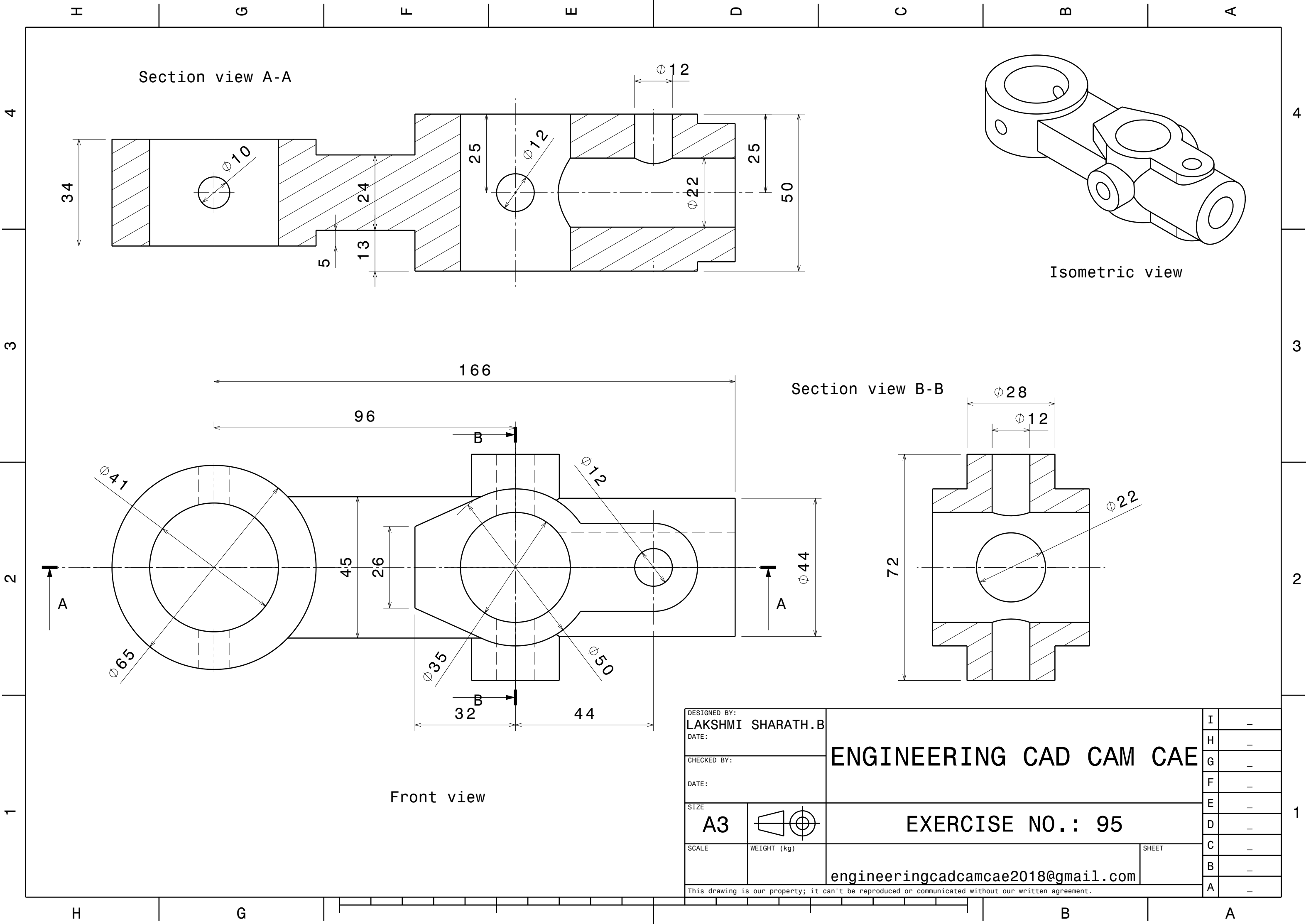
4

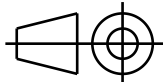
H

G

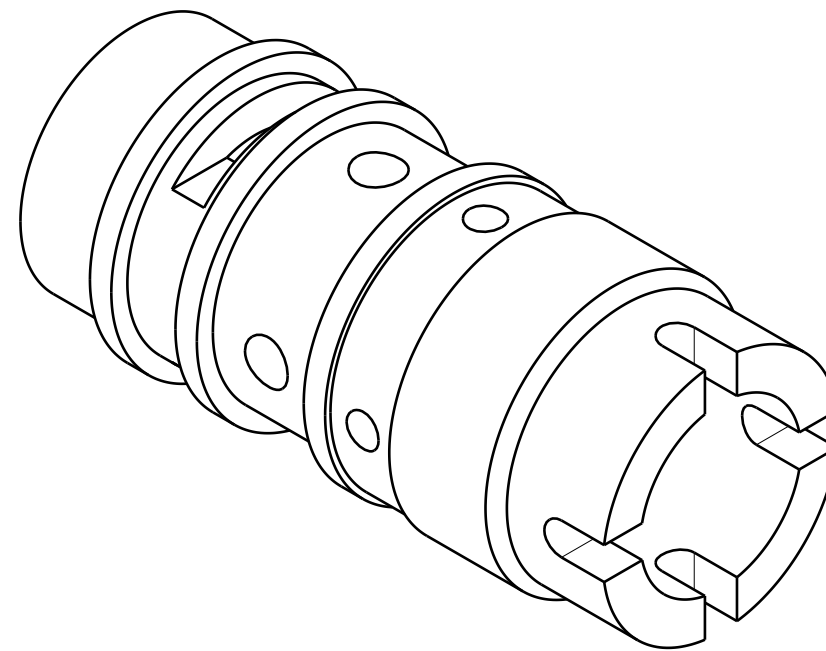
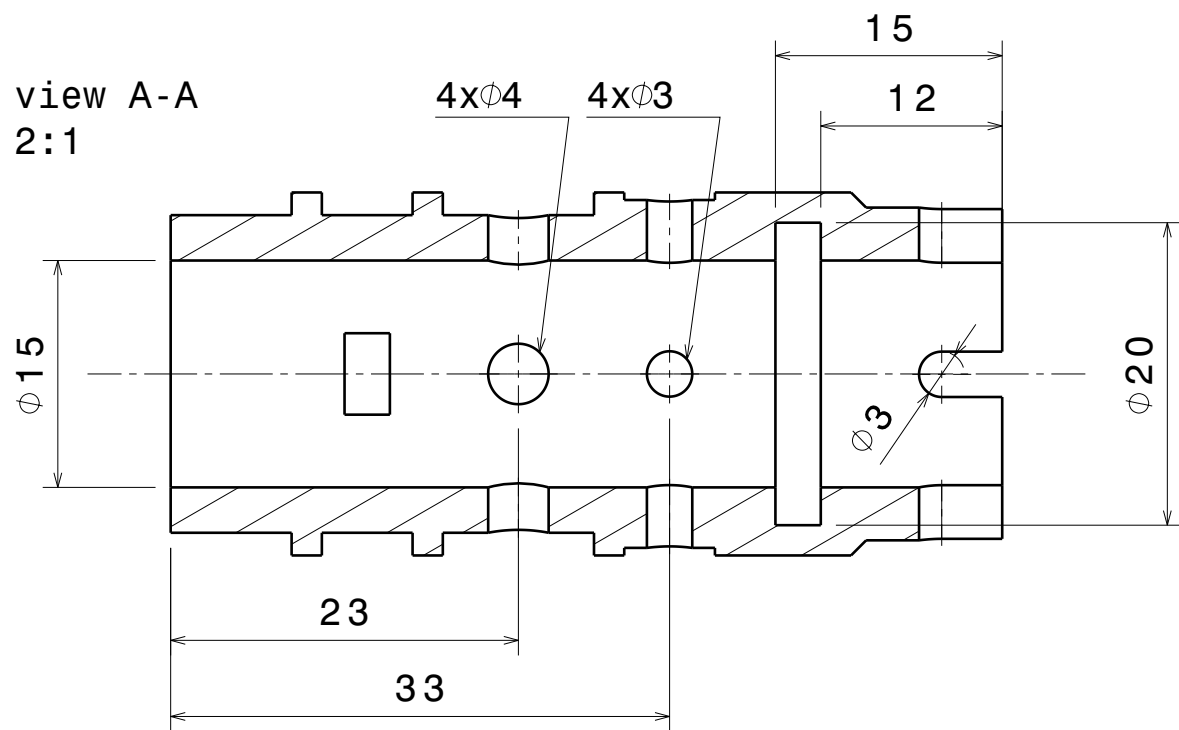
B

A



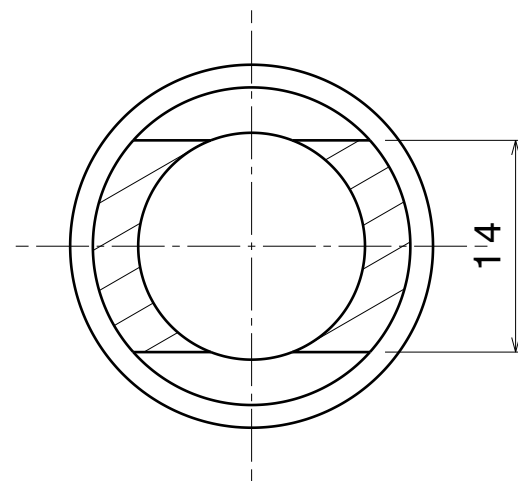
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:		EXERCISE NO.: 95	F	—
SIZE A3			E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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Section view A-A
Scale: 2:1

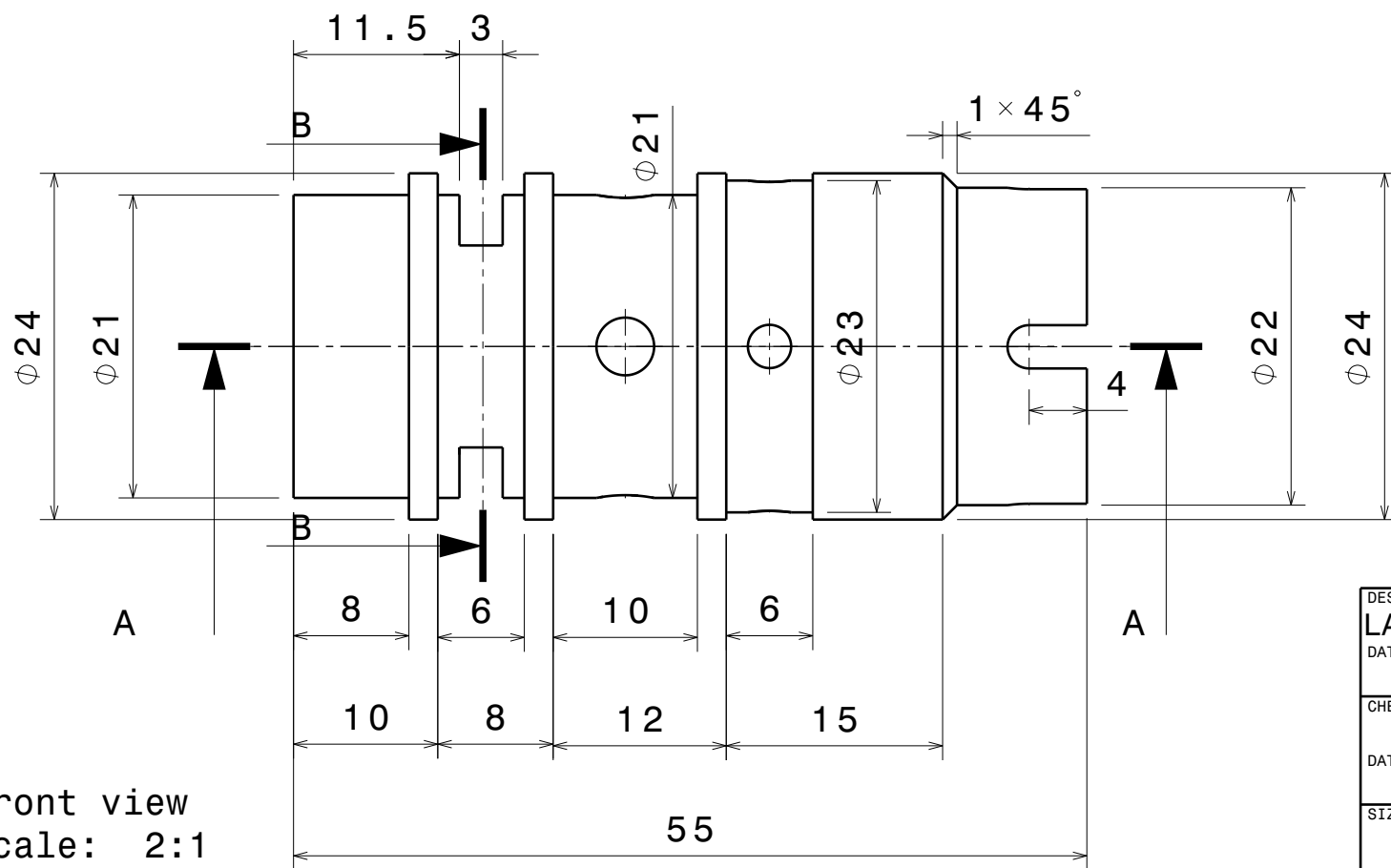


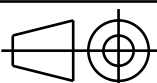
Isometric view
Scale: 2:1

Section view B-B
Scale: 2:1

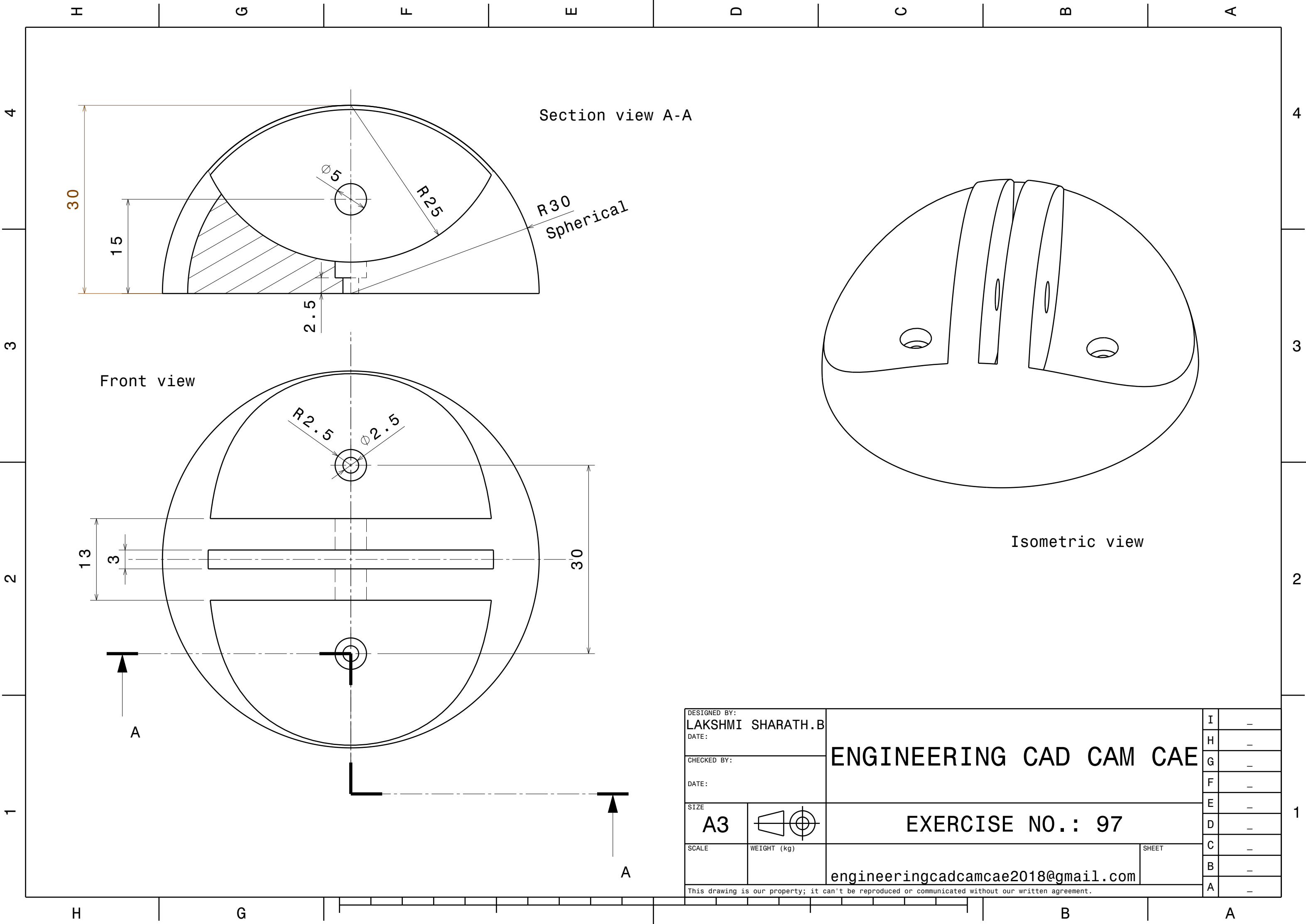


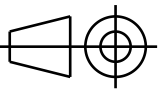
Front view
Scale: 2:1

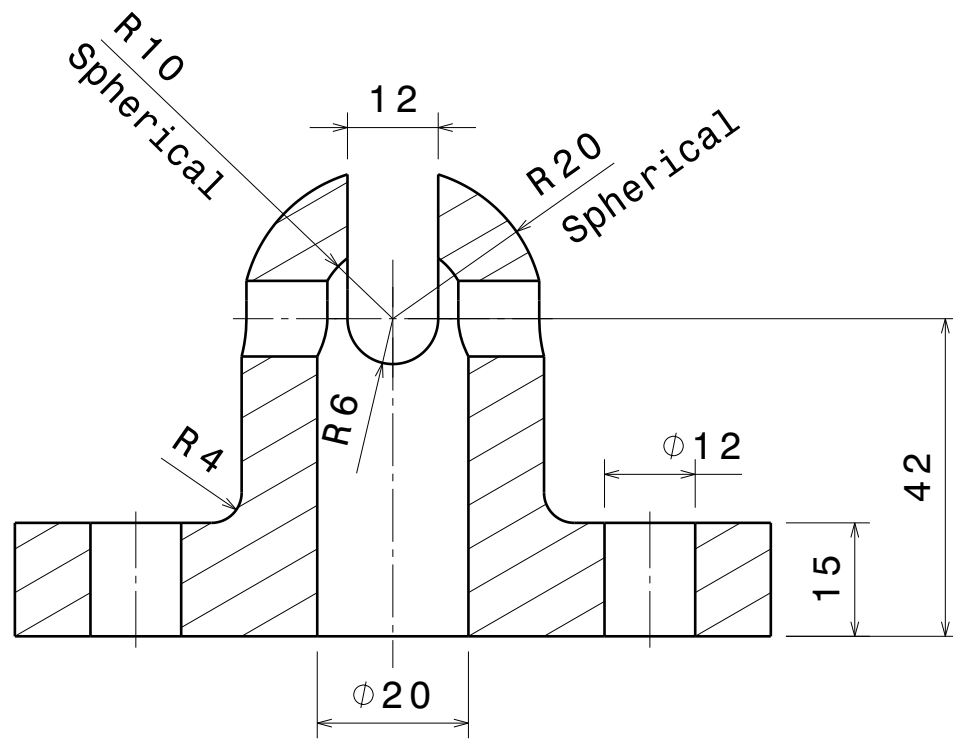


DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY:				H	—
DATE:				G	—
				F	—
SIZE A3				E	—
				D	—
SCALE		WEIGHT (kg)		C	—
		engineeringcadcamcae2018@gmail.com		B	—
				A	—
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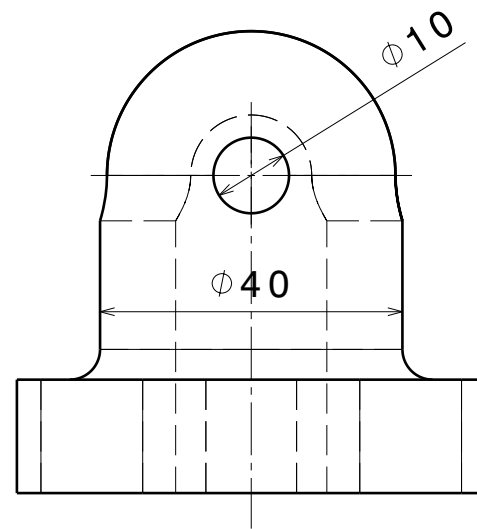
This drawing is our property; it can't be reproduced or communicated without our written agreement.



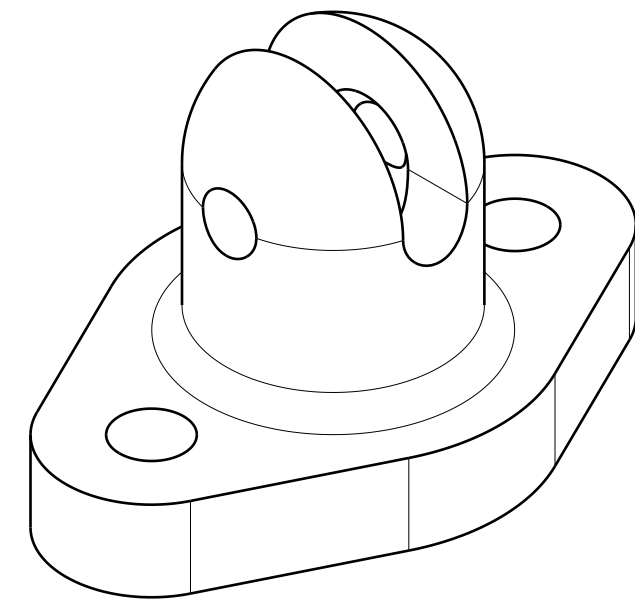
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		EXERCISE NO.: 97	E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	—



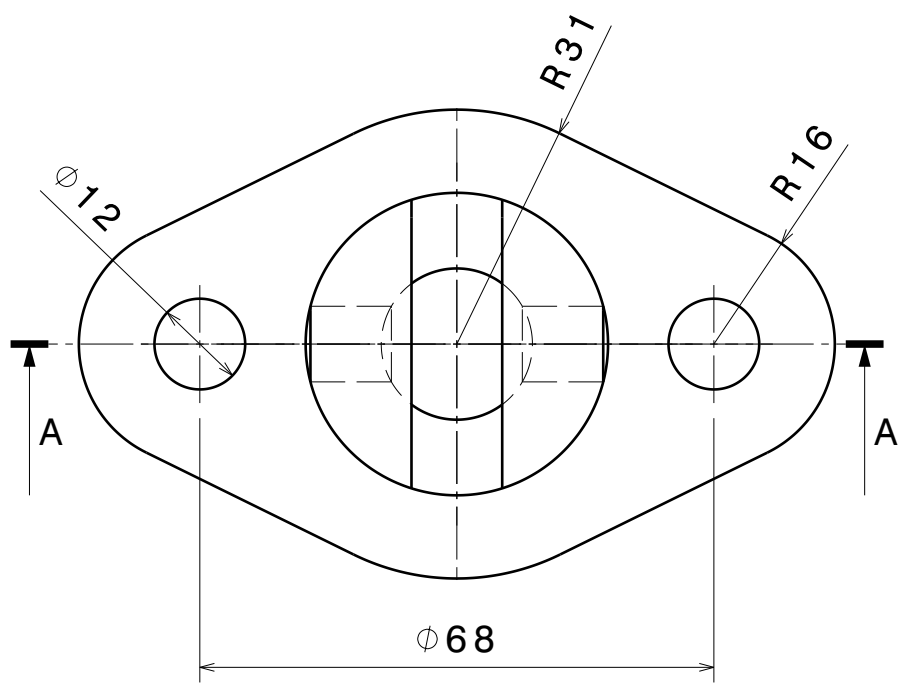
Section view A-A



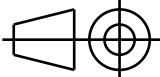
Side View

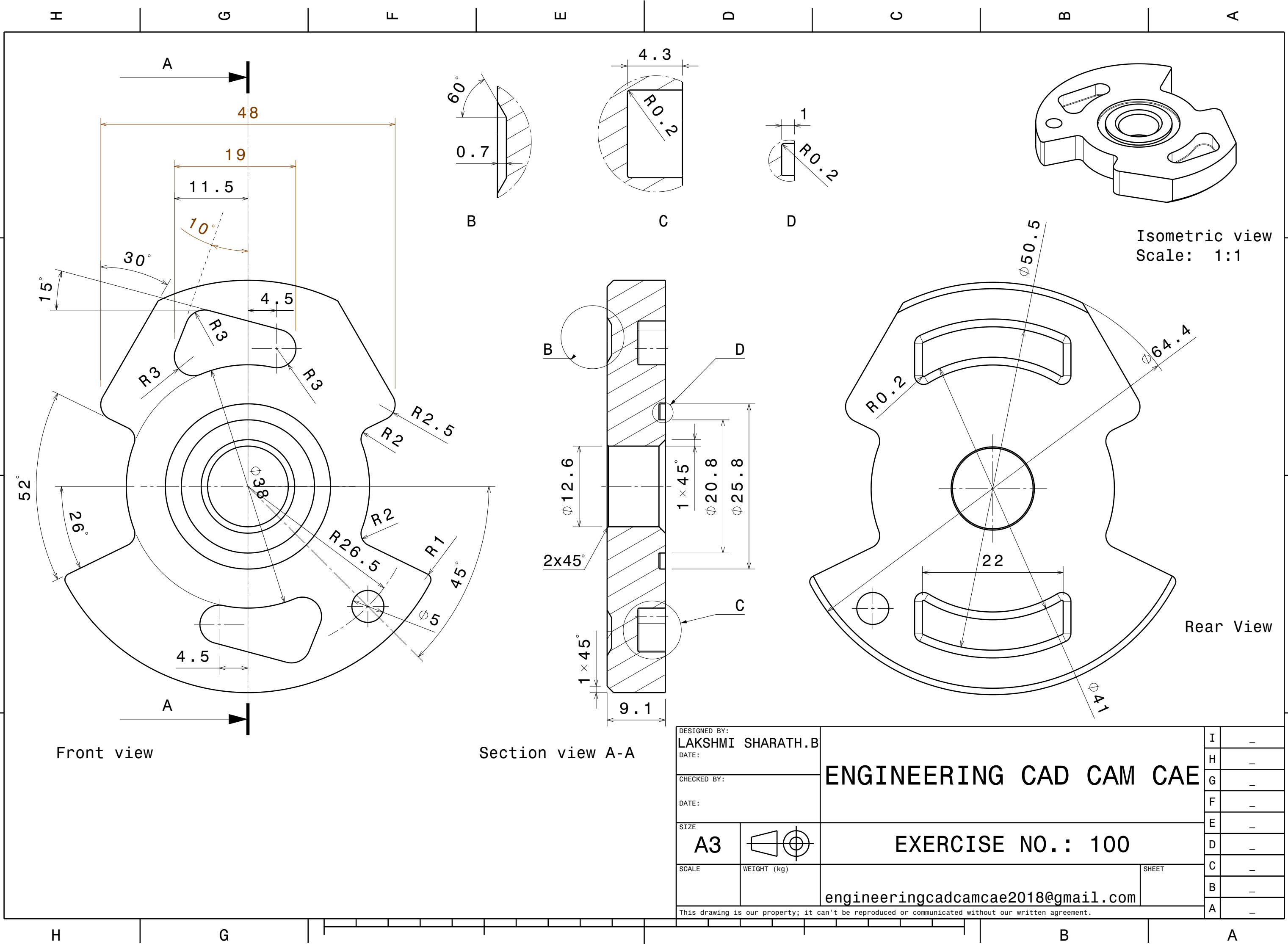


Isometric view



Front view

DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
			E	—
SIZE A3		EXERCISE NO.: 99	D	—
SCALE	WEIGHT (kg)		C	—
engineeringcadcamcae2018@gmail.com			B	—
			A	—
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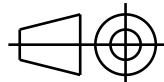
DESIGNED BY:
LAKSHMI SHARATH.B
DATE:

CHECKED BY:

DATE:

SIZE

A3



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 100

engineeringcadcamcae2018@gmail.com

SHEET

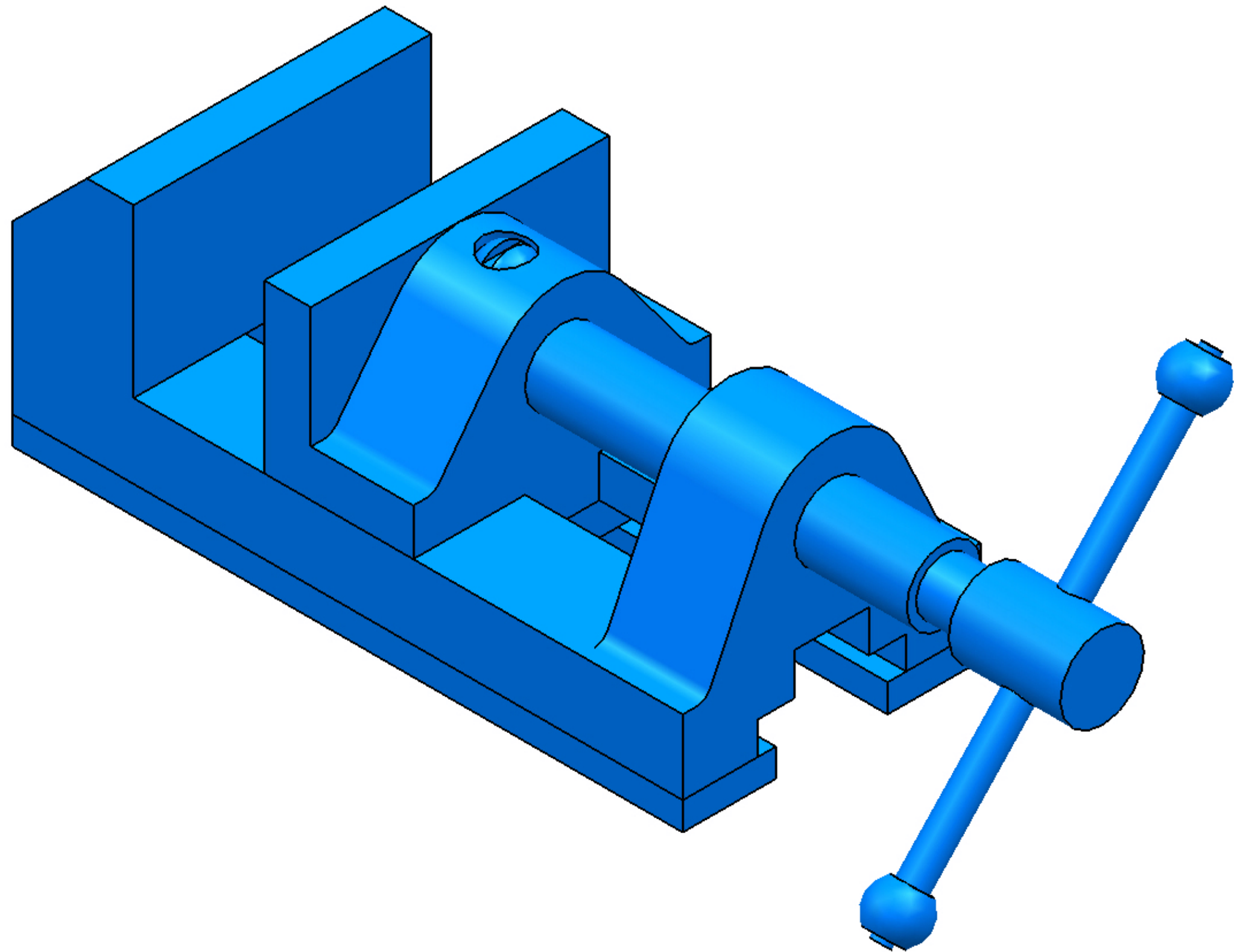
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B	-
A	-

ENGINEERING CAD CAM CAE

(A Professional Training Institute)

Assembly Practice Drawings



THE BENCH VICE ASSEMBLY

ENGINEERING CAD CAM CAE

Drawn By

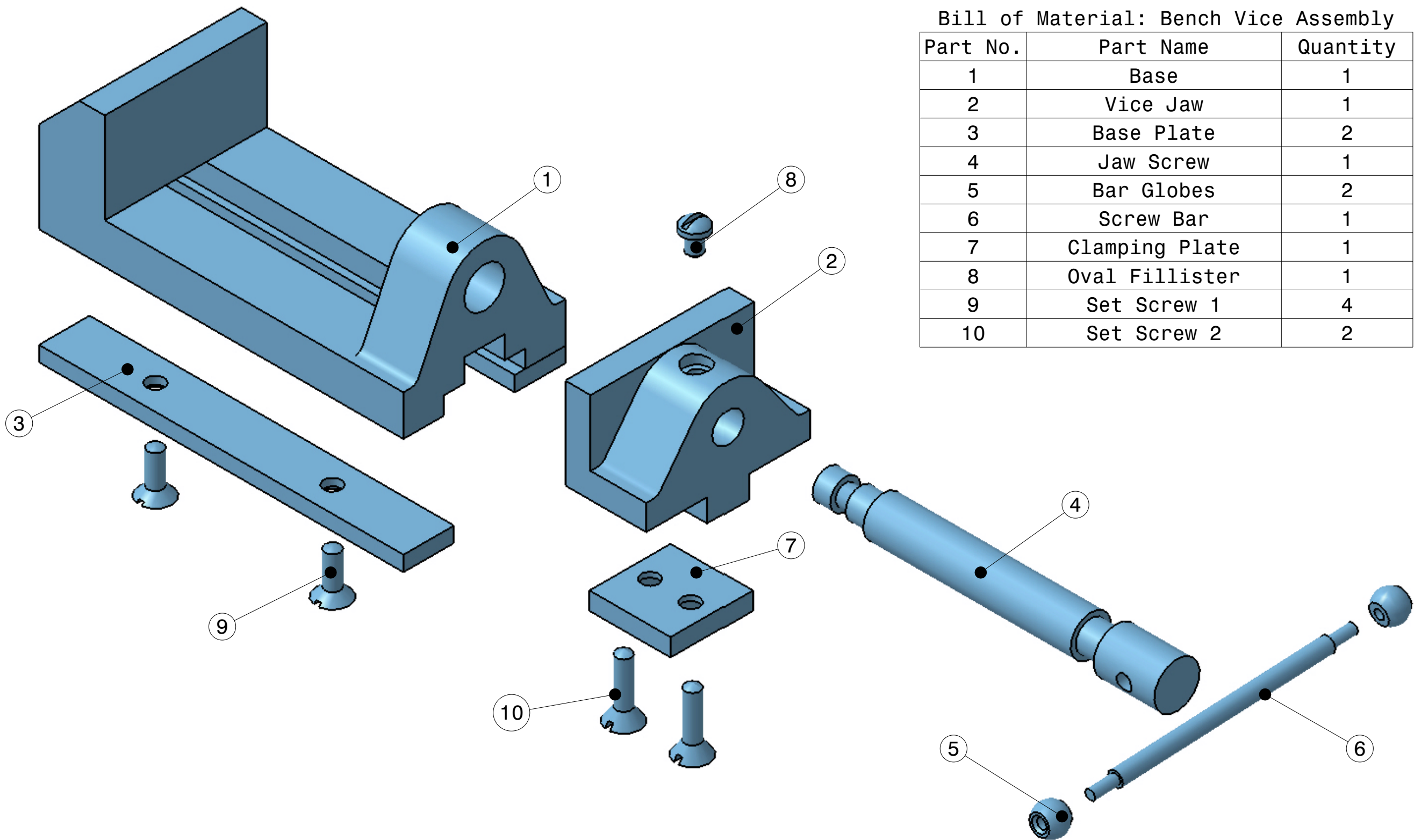
Lakshmi Sharath.B

engineeringcadcamcae2018@gmail.com

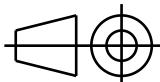
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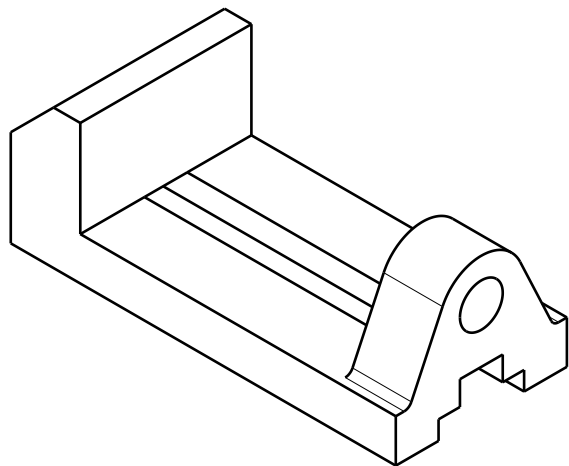
Bill of Material: Bench Vice Assembly

Part No.	Part Name	Quantity
1	Base	1
2	Vice Jaw	1
3	Base Plate	2
4	Jaw Screw	1
5	Bar Globes	2
6	Screw Bar	1
7	Clamping Plate	1
8	Oval Fillister	1
9	Set Screw 1	4
10	Set Screw 2	2

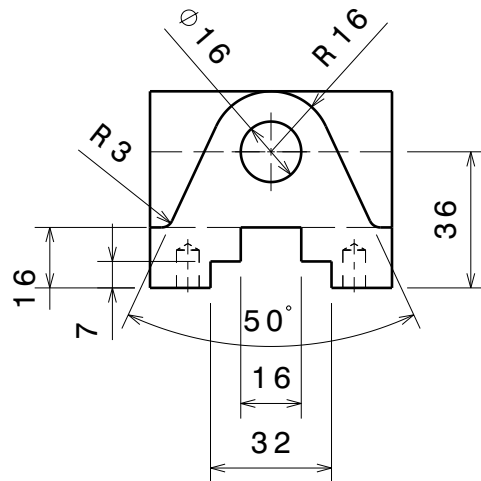


Exploded View

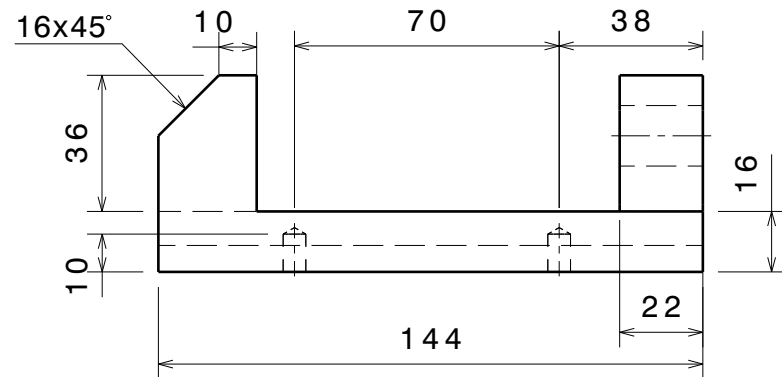
DESIGNED BY: Lakshmi Sharath.B		Assembly Exercise 01- Bench Vice Assembly	I	—	
DATE:			H	—	
CHECKED BY:			G	—	
DATE:		ENGINEERING CAD CAM CAE	F	—	
SIZE			E	—	
A3			D	—	
SCALE			WEIGHT (kg)	C	—
engineeringcadcamcae2018@gmail.com			B	—	
		SHEET	A	—	
This drawing is our property; it can't be reproduced or communicated without our written agreement.					



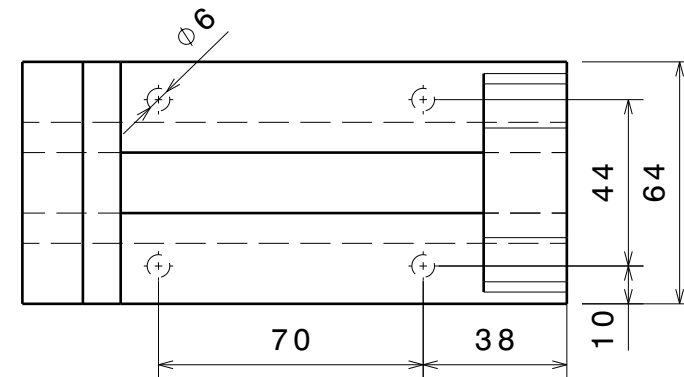
Isometric view



Right view



Front view



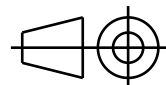
Top view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE

A4



SCALE

WEIGHT (kg)

Assembly Exercise 01 -
Bench Vice Assembly
Part No.1 : **Base**

ENGINEERING CAD CAM CAE

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	-
H	-
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E	-
D	-
C	-
B	-
A	-

D

C

B

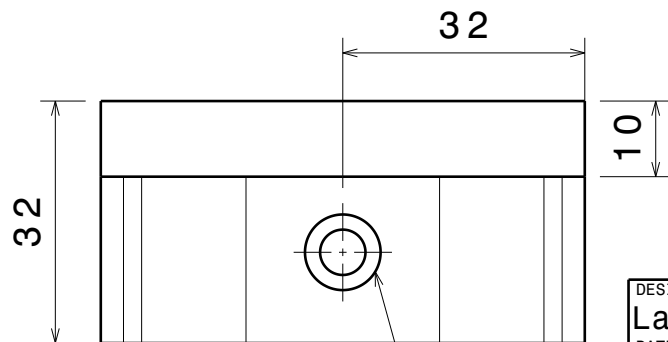
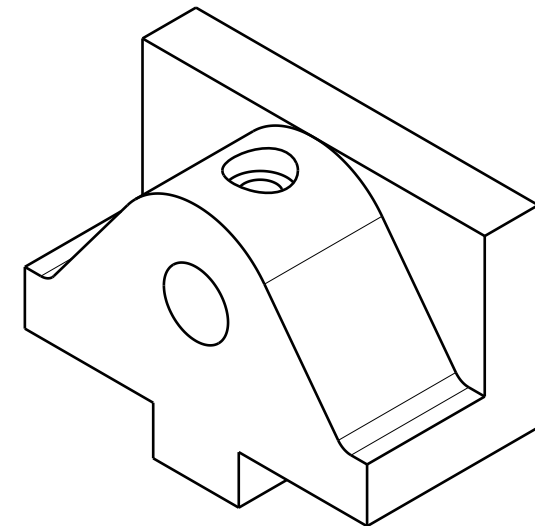
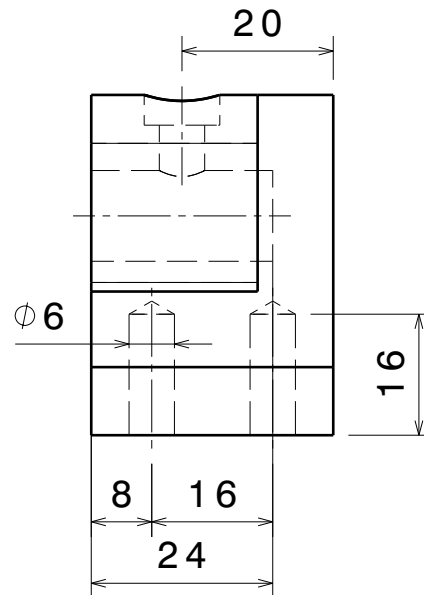
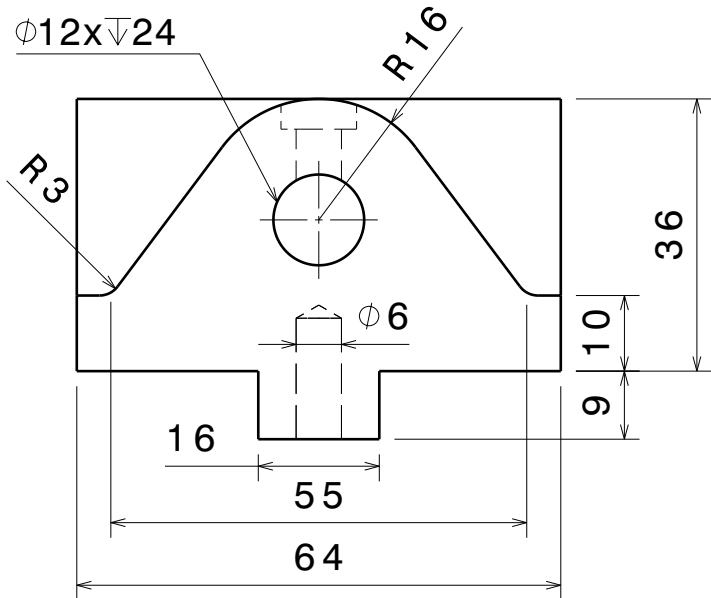
A

4

3

2

1



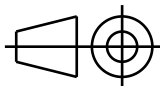
Ø10 C'BORE -
4 Deep, Ø6
Through Hole

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE

A4



SCALE

WEIGHT (kg)

Assembly Exercise 01 -
Bench Vice Assembly
Part No.2 : **Vice Jaw**

ENGINEERING CAD CAM CAE

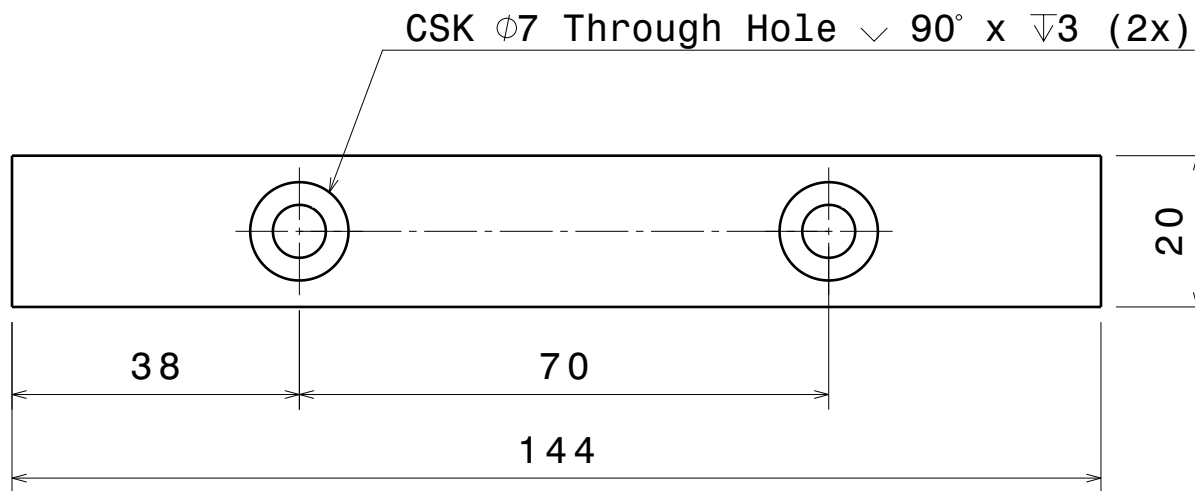
engineeringcadcamcae2018@gmail.com

SHEET

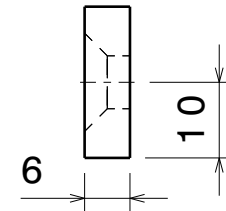
1 / 1

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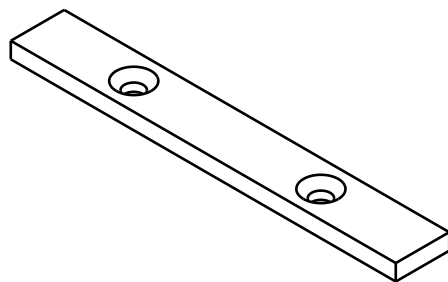
I	-
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F	-
E	-
D	-
C	-
B	-
A	-



Front view



Side View

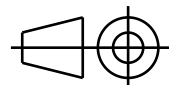


Isometric view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE

WEIGHT (kg)

Assembly Exercise 01 -
Bench Vice Assembly
Part No.3 : **Base Plate**

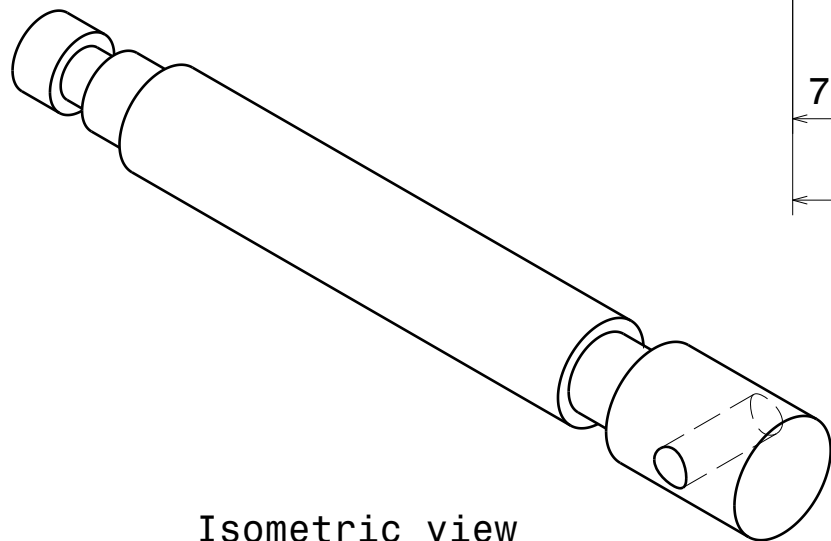
ENGINEERING CAD CAM CAE

engineeringcadcamcae2018@gmail.com

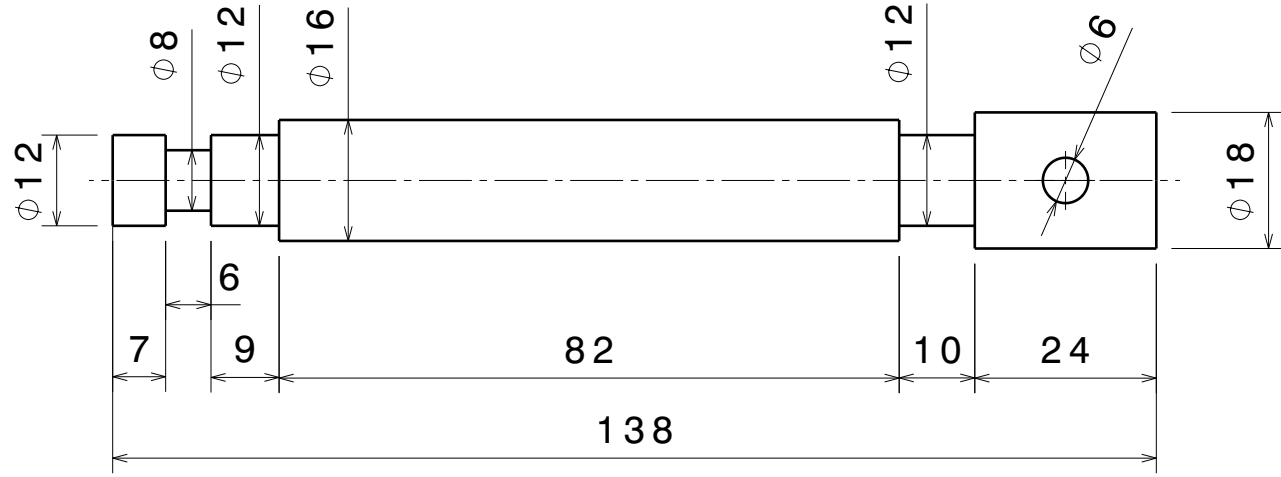
SHEET
1 / 1

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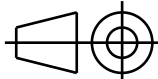
I	—
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D	—
C	—
B	—
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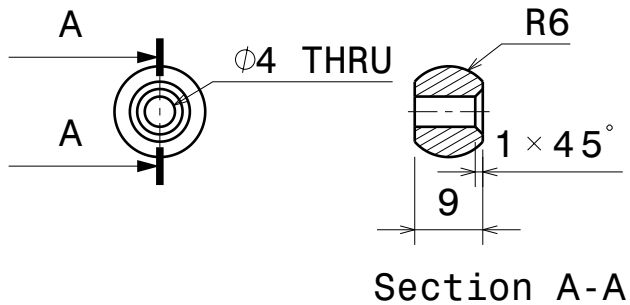


Isometric view

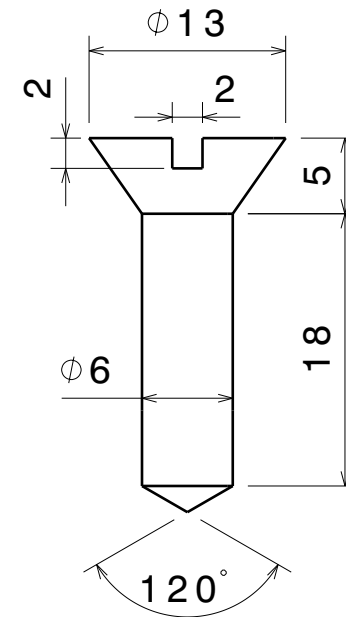
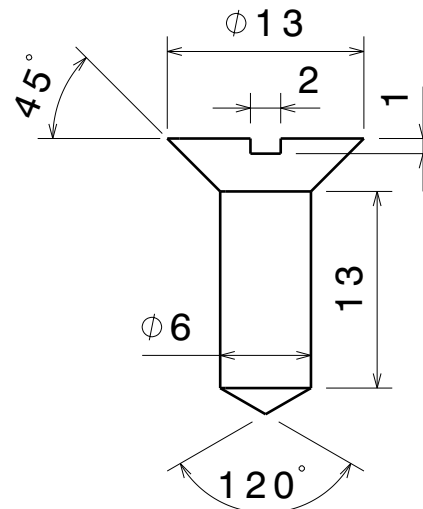
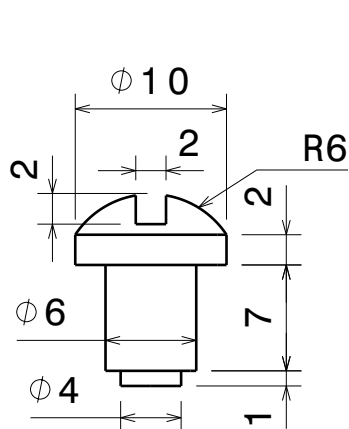
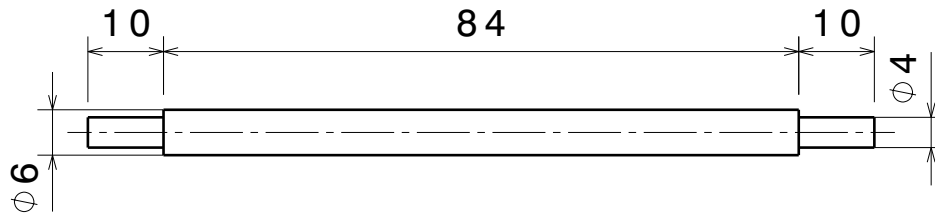
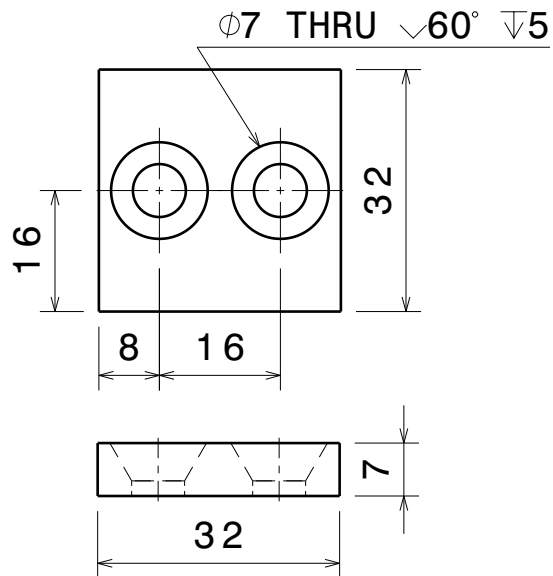


Front view

DESIGNED BY: Lakshmi Sharath.B DATE:		Assembly Exercise 01 - Bench Vice Assembly Part No.4 : Jaw Screw	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A4		ENGINEERING CAD CAM CAE	F	—
SCALE	WEIGHT (kg)		E	—
engineeringcadcamcae2018@gmail.com			D	—
		SHEET	C	—
		1 / 1	B	—
			A	—
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Part No.5 - Bar Globes



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4

SCALE
WEIGHT (kg)

Assembly Exercise 01 -
Bench Vice Assembly
Various Parts- Part No.5 to 10

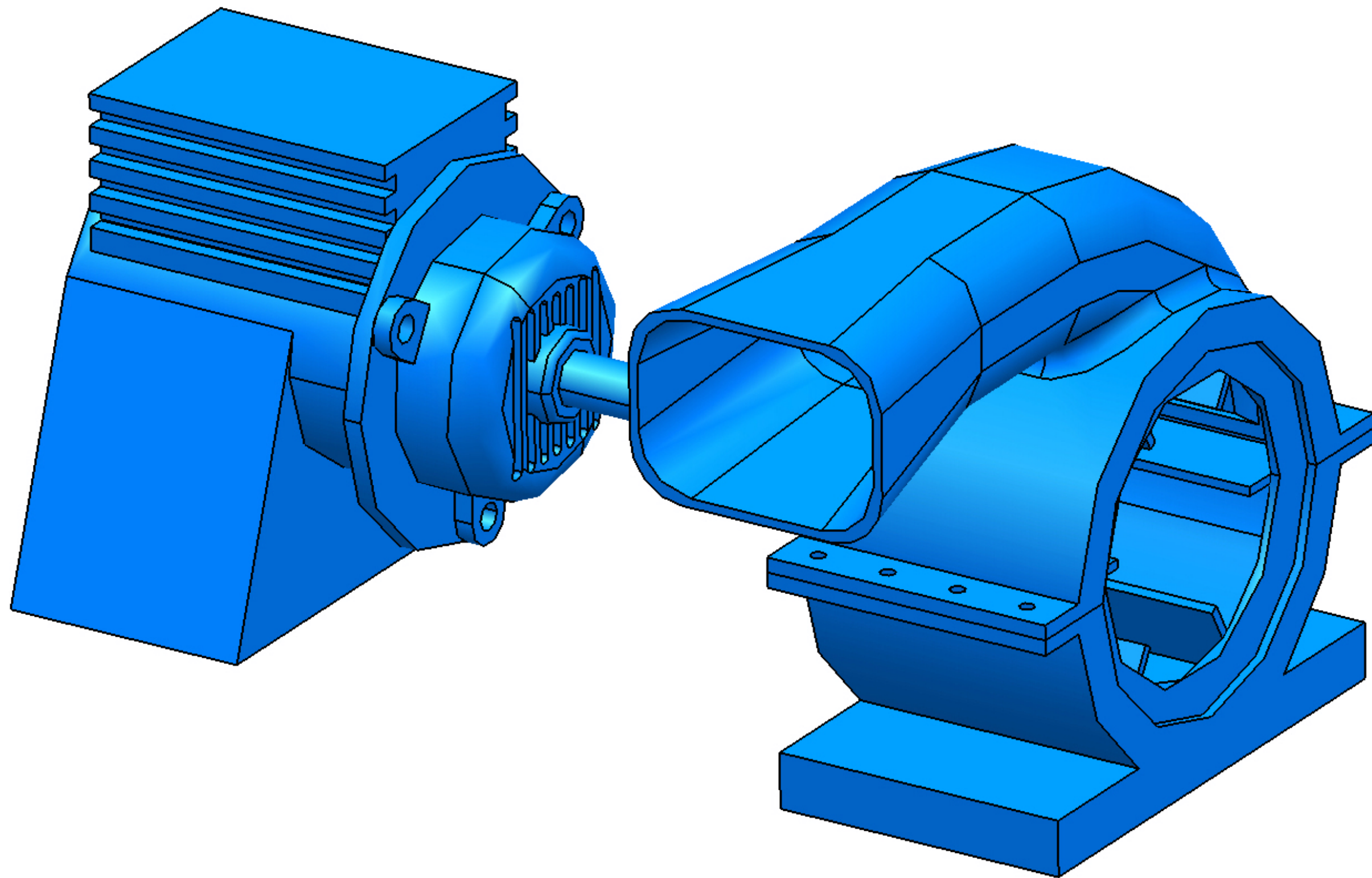
ENGINEERING CAD CAM CAE

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SHEET
1 / 1

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I	-
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E	-
D	-
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THE MOTOR BLOWER ASSEMBLY

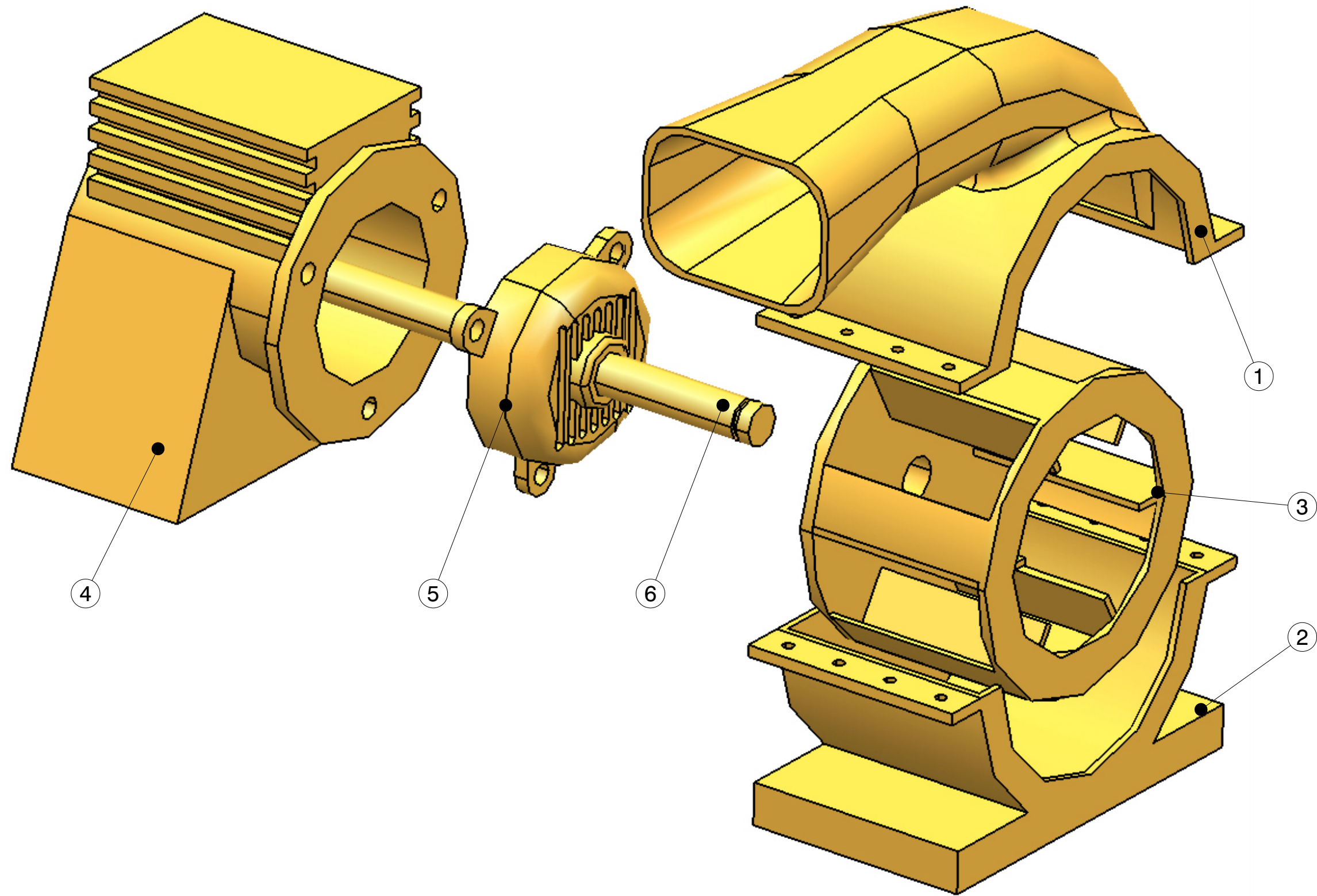
ENGINEERING CAD CAM CAE

Drawn By

Lakshmi Sharath.B

engineeringcadcamcae2018@gmail.com

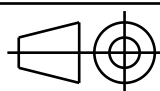
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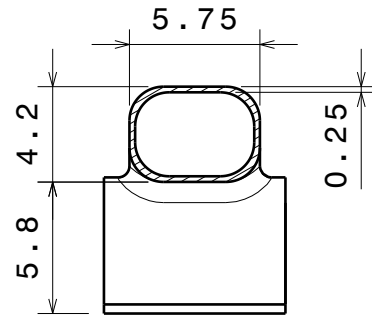
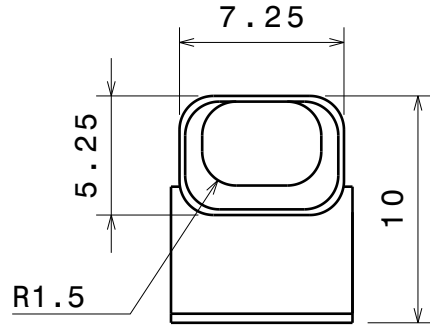
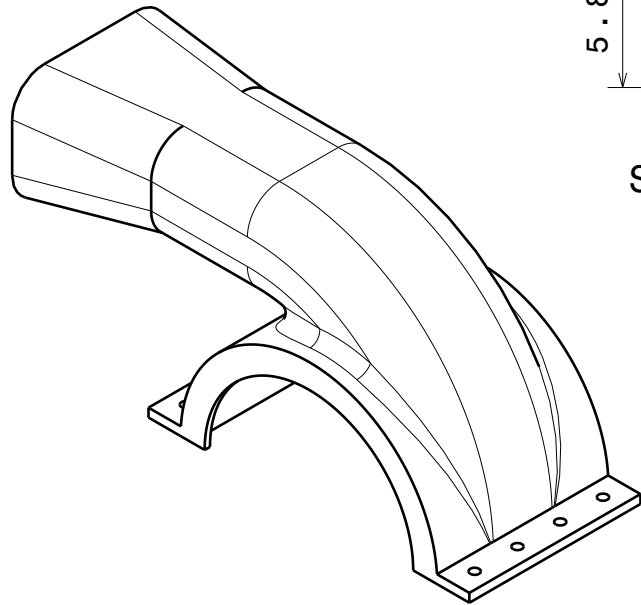


Bill of Material: Motor Blower Assembly

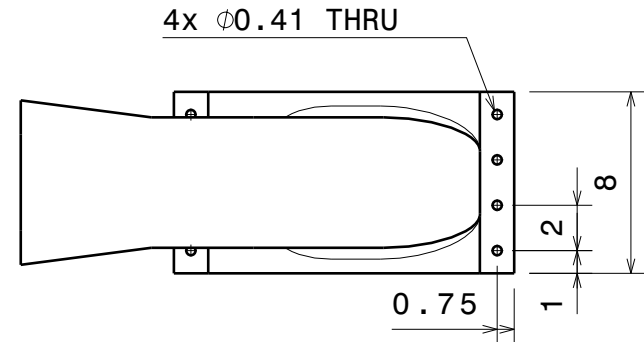
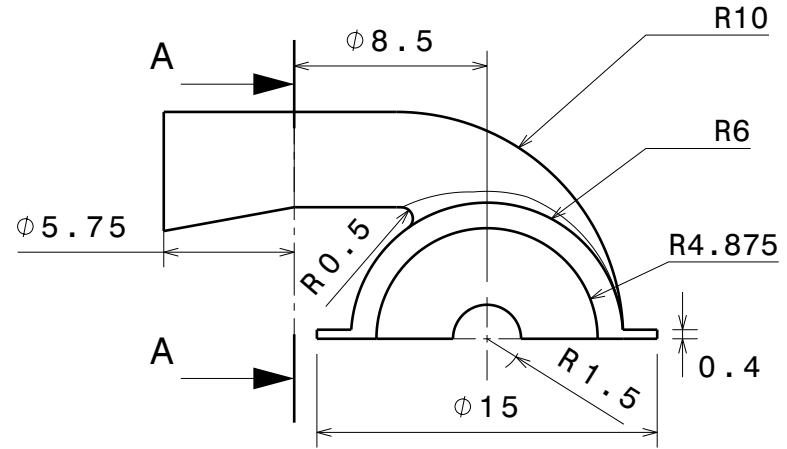
Part No.	Part Name	Qty
1	Upper Housing	1
2	Lower Housing	1
3	Blower	1
4	Motor	1
5	Cover	1
6	Shaft	1

Exploded View

DESIGNED BY: Lakshmi Sharath.B DATE:		Assembly Exercise 02- Motor Blower Assembly	I	—
CHECKED BY: DATE:			H	—
SIZE A3			G	—
ENGINEERING CAD CAM CAE			F	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	E	—
			D	—
			C	—
			B	—
			A	—



Section view A-A



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4

SCALE
WEIGHT (kg)

Assembly Exercise 02 -
Motor Blower Assembly
Part No.1 : **Upper Housing**

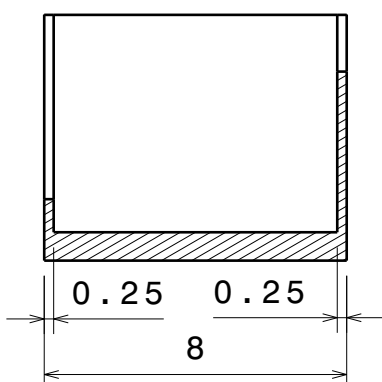
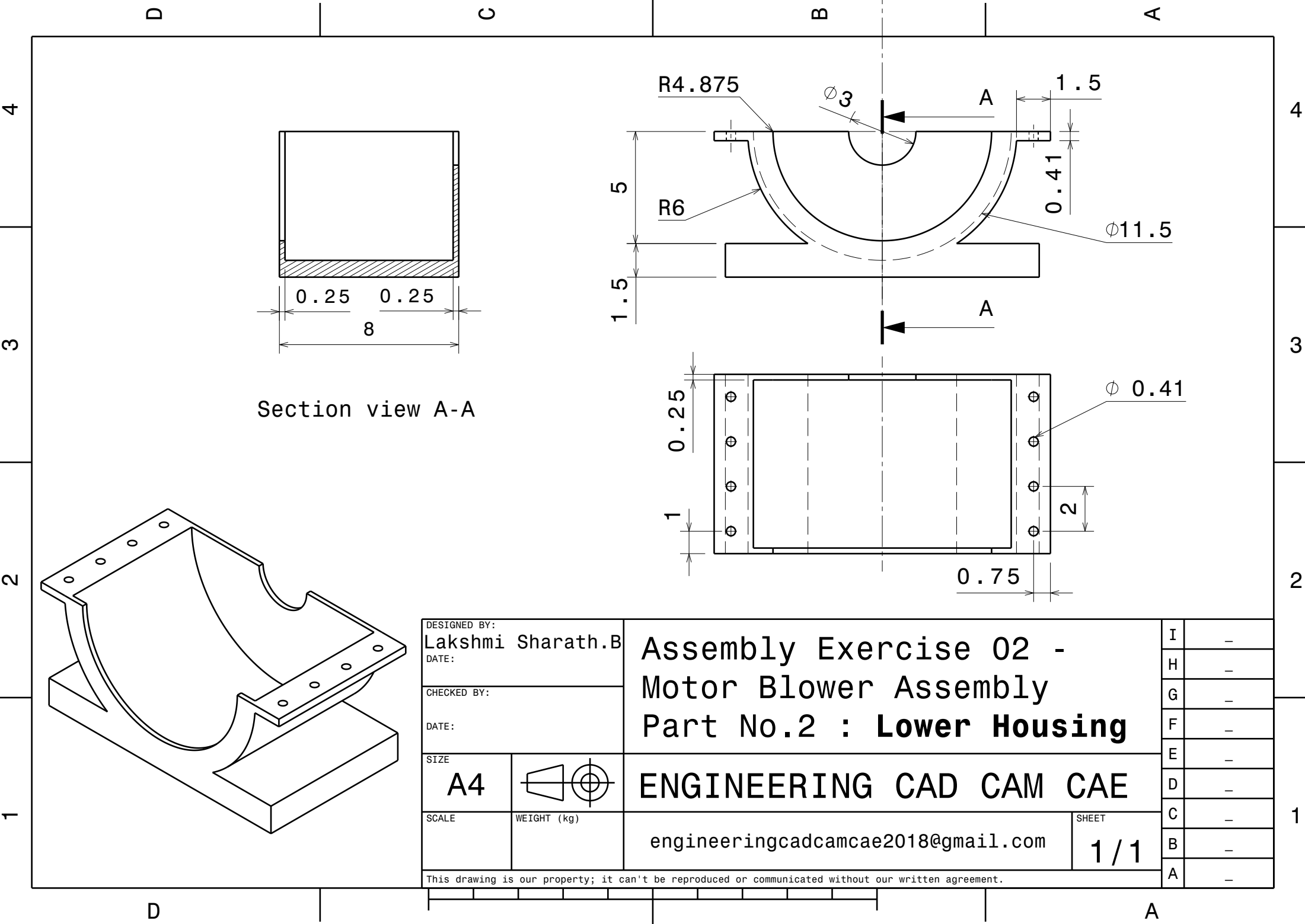
ENGINEERING CAD CAM CAE

engineeringcadcamcae2018@gmail.com

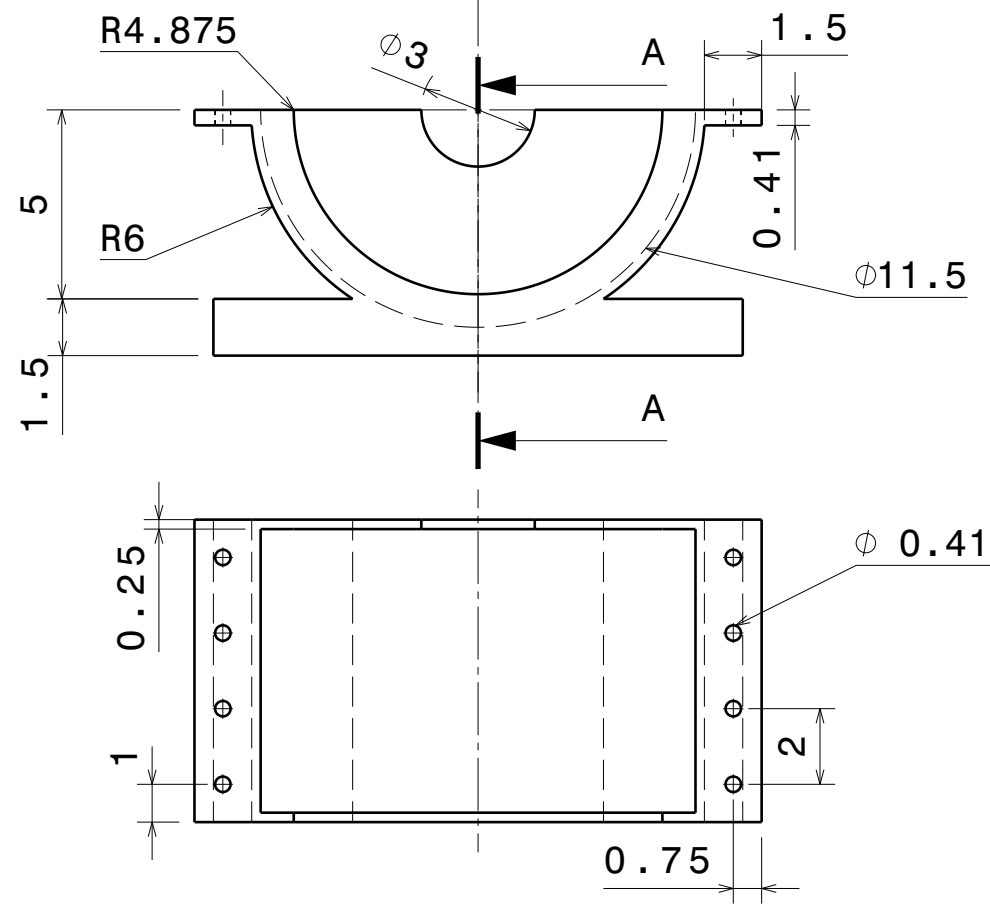
SHEET
1 / 1

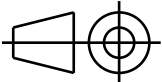
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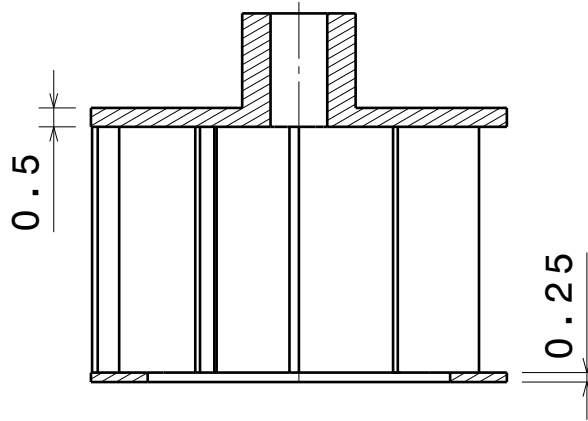
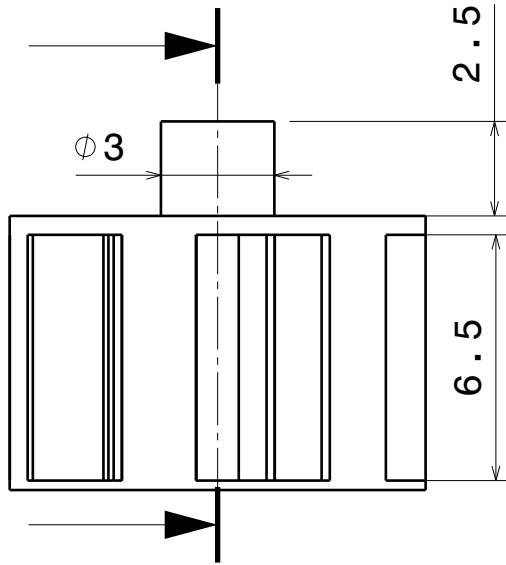
I	-
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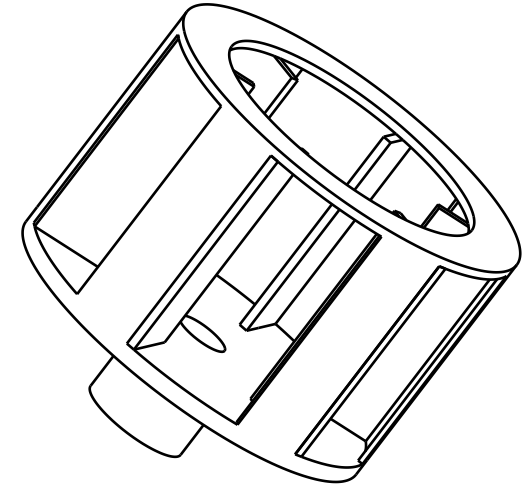
Section view A-A



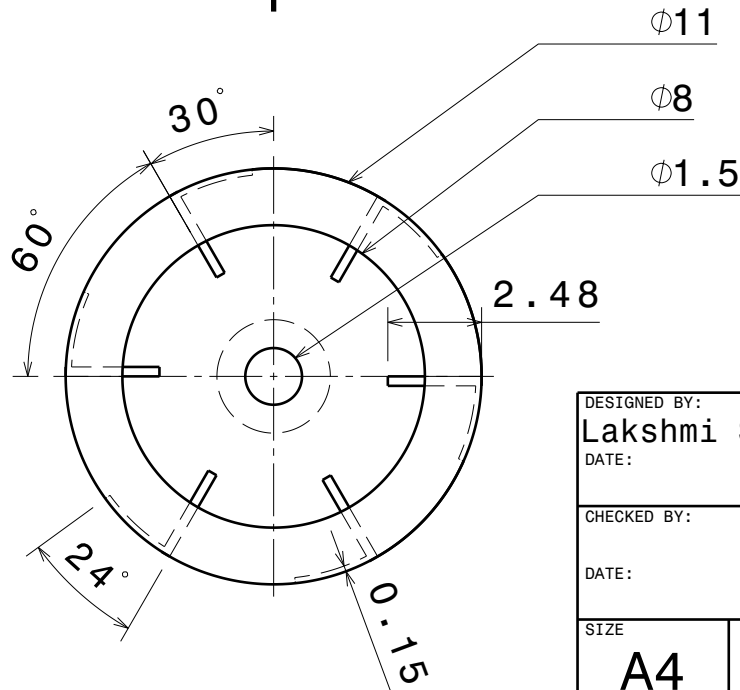
DESIGNED BY: Lakshmi Sharath.B		Assembly Exercise 02 - Motor Blower Assembly Part No.2 : Lower Housing		I	-
DATE:				H	-
CHECKED BY:				G	-
DATE:				F	-
SIZE		ENGINEERING CAD CAM CAE		E	-
A4				D	-
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		C	-
				B	-
				A	-
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Section view A-A



Isometric view



DESIGNED BY:
Lakshmi Sharath.B

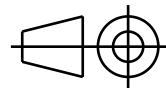
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

Assembly Exercise 02 -
Motor Blower Assembly
Part No.3 : **Blower**

ENGINEERING CAD CAM CAE

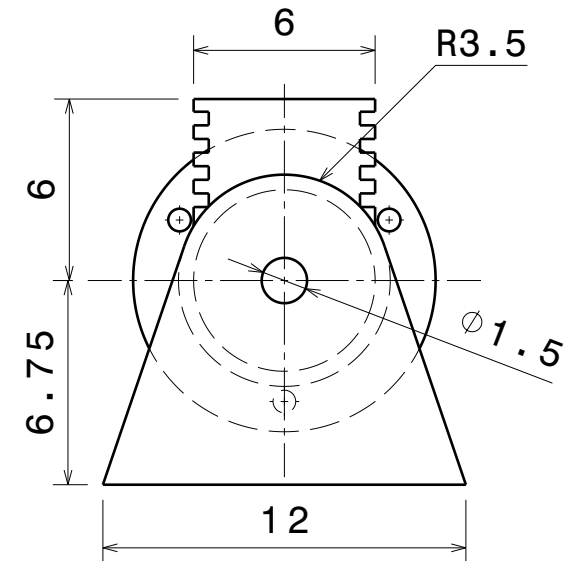
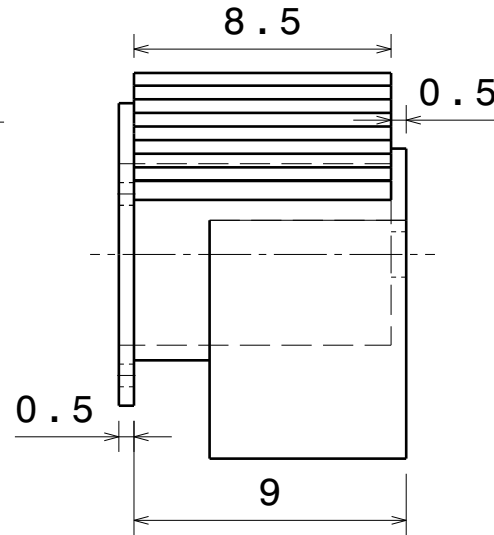
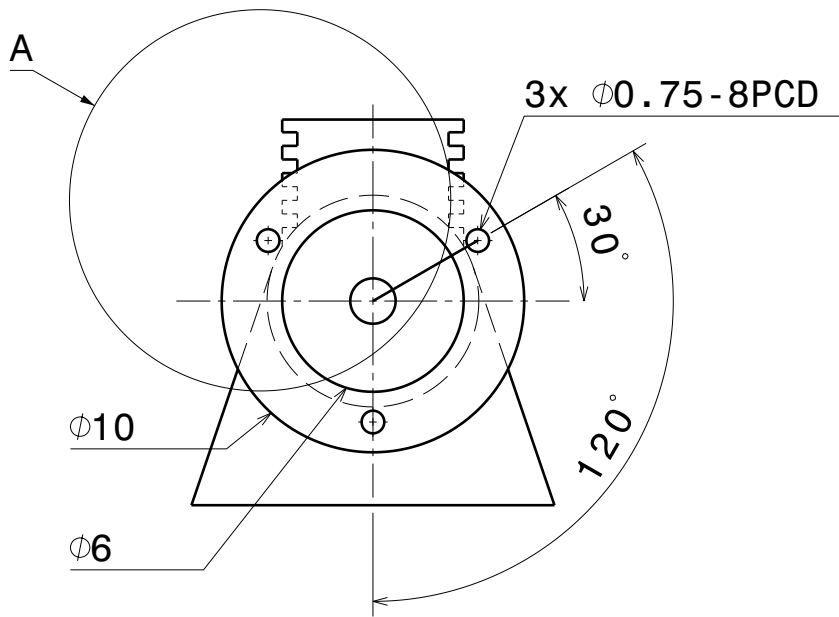
engineeringcadcamcae2018@gmail.com

SHEET

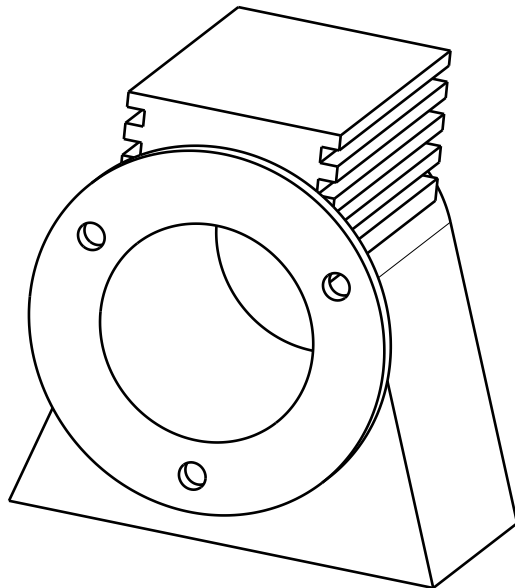
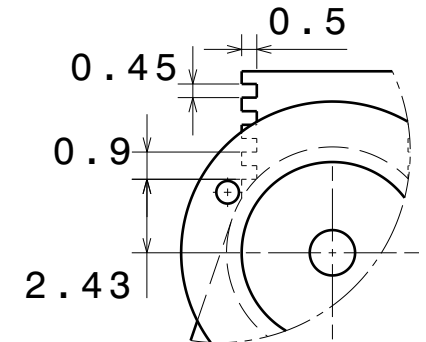
1 / 1

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C	-
B	-
A	-



Detail A (4:1)



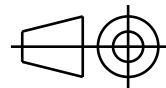
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

Assembly Exercise 02 -
Motor Blower Assembly
Part No.4 : **Motor**

ENGINEERING CAD CAM CAE

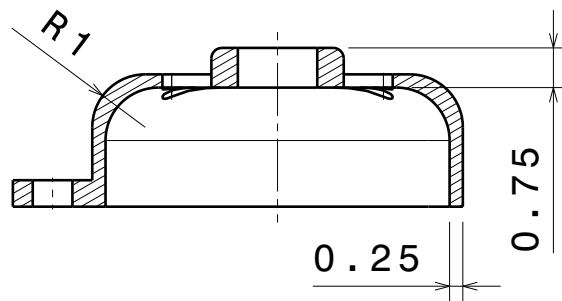
engineeringcadcamcae2018@gmail.com

SHEET

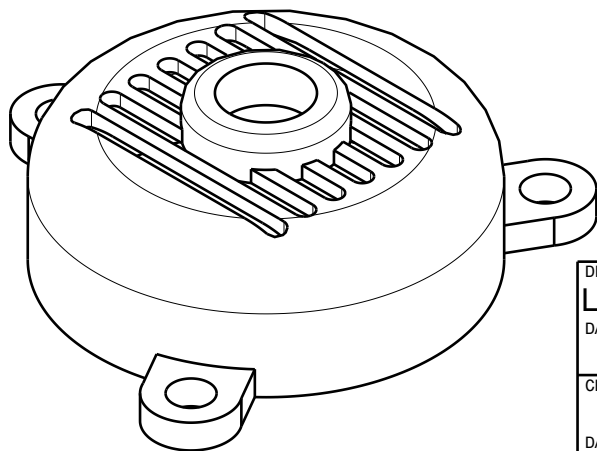
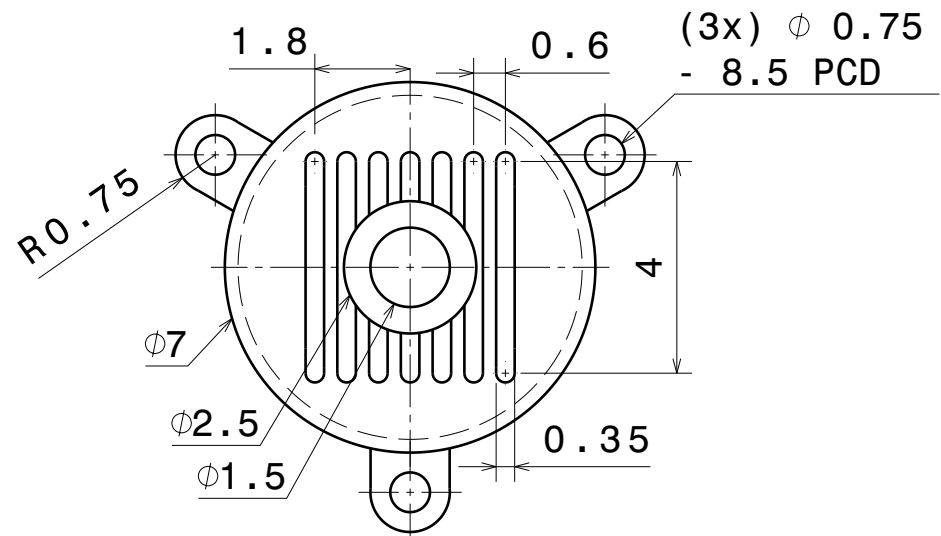
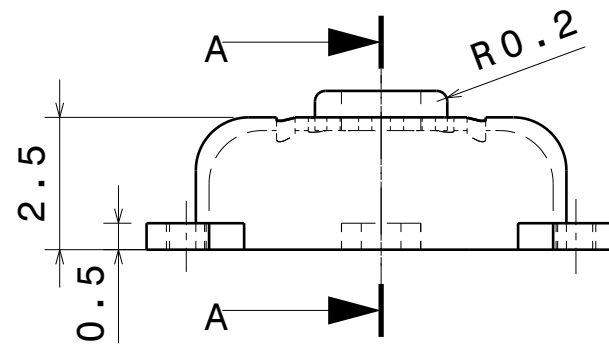
1 / 1

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I	-
H	-
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D	-
C	-
B	-
A	-



Section view A-A



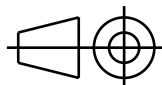
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

Assembly Exercise 02 -
Motor Blower Assembly
Part No.5 : **Cover**

ENGINEERING CAD CAM CAE

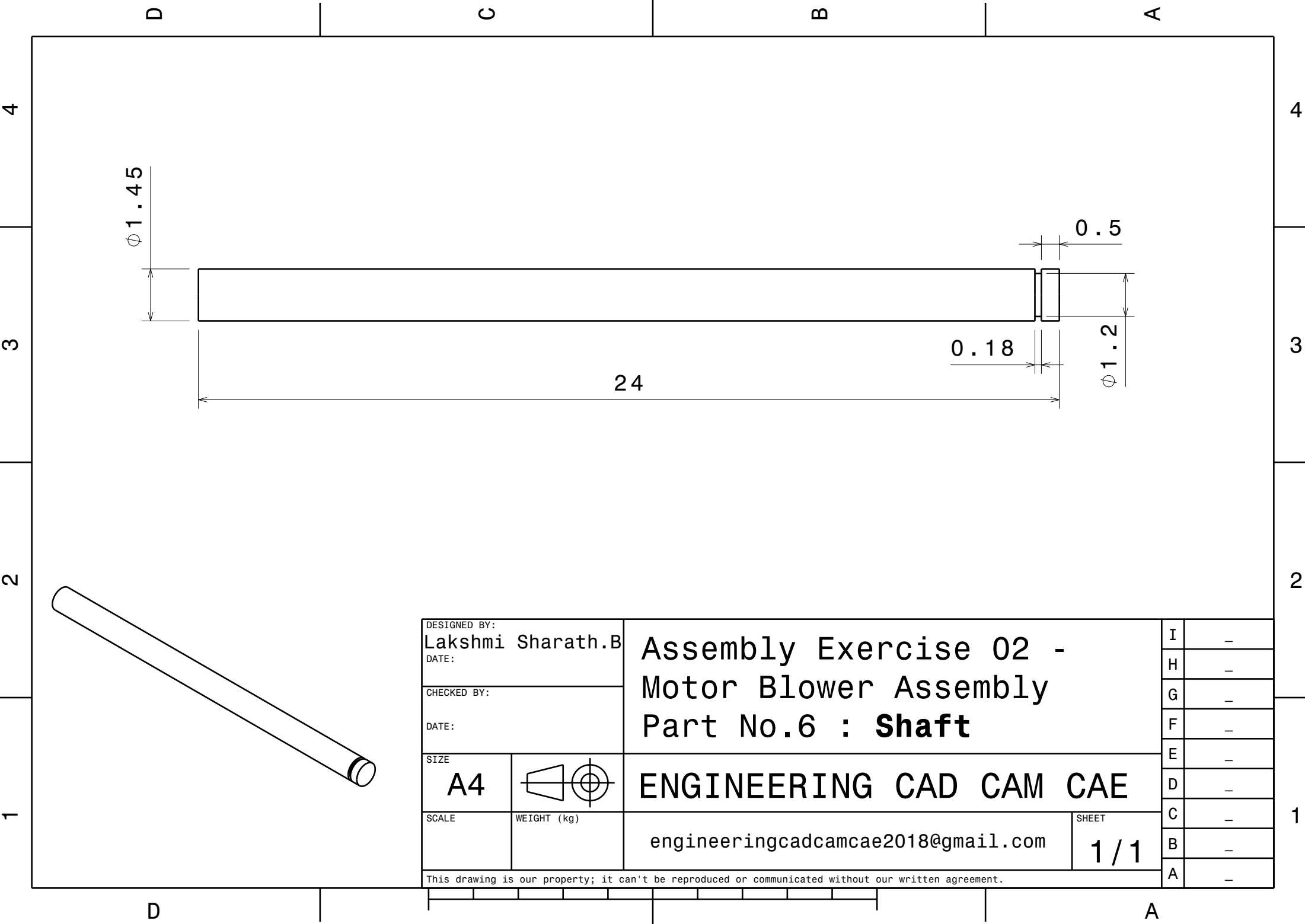
engineeringcadcamcae2018@gmail.com

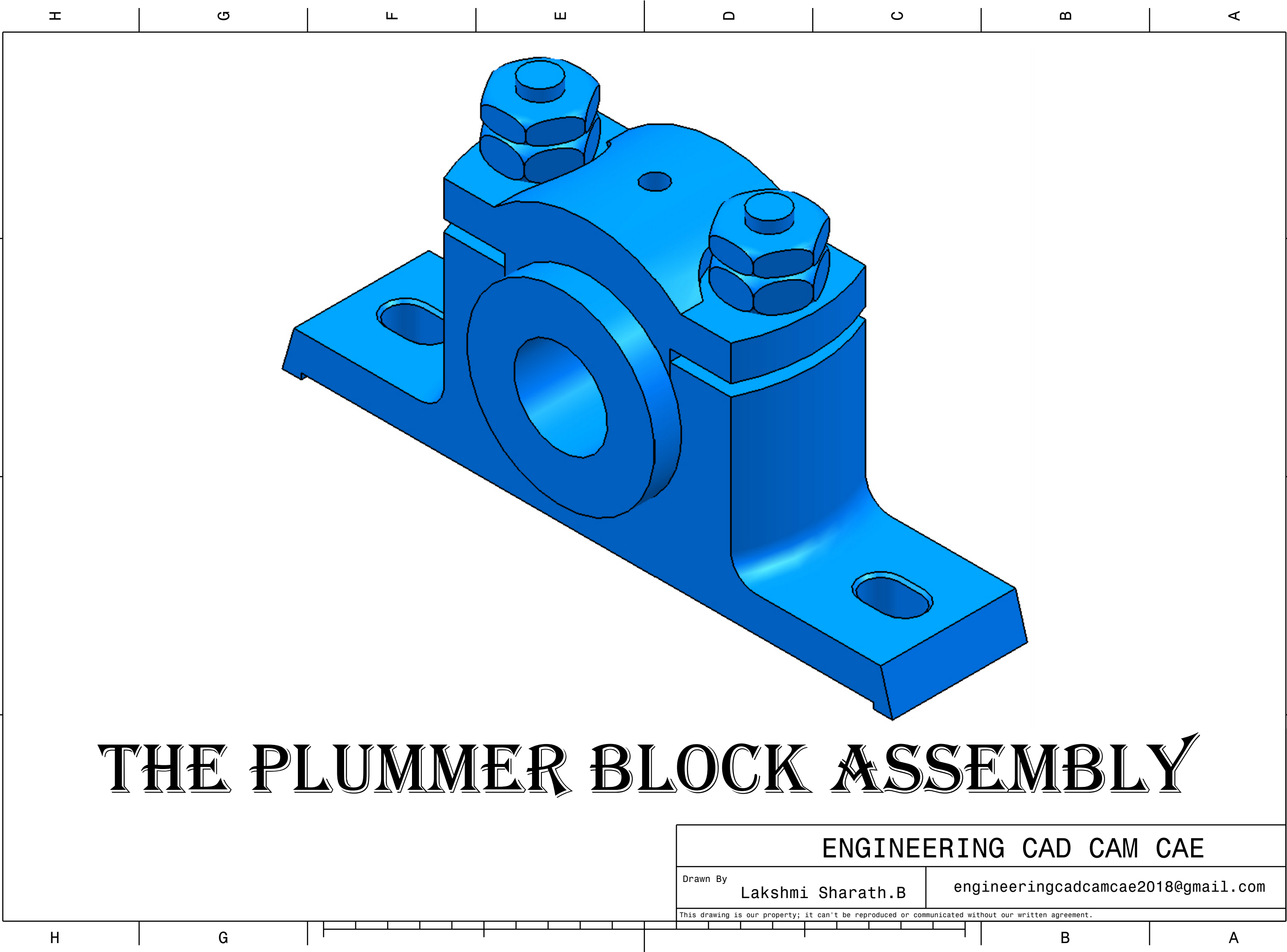
SHEET

1 / 1

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I	-
H	-
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F	-
E	-
D	-
C	-
B	-
A	-





THE PLUMMER BLOCK ASSEMBLY

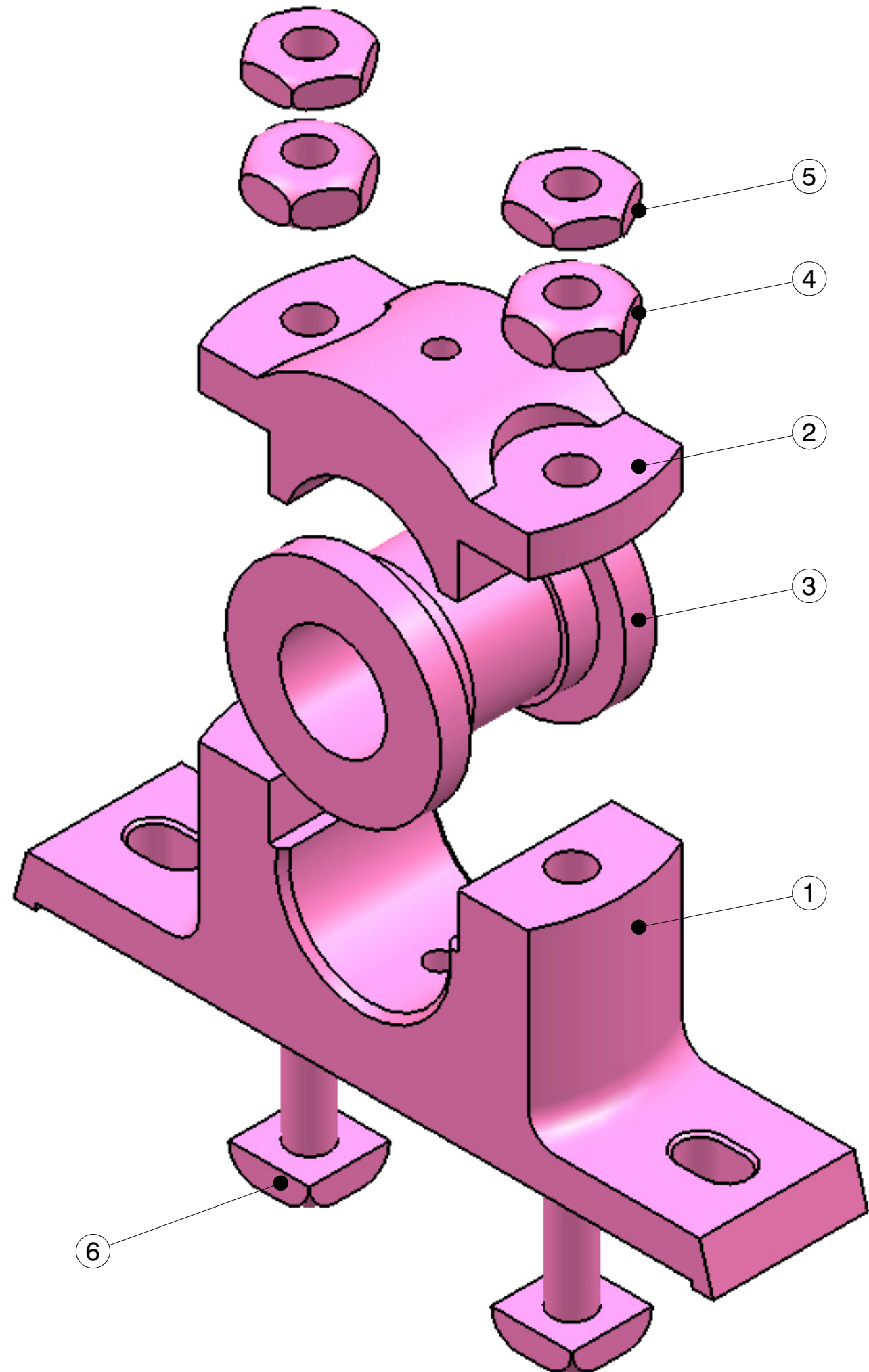
ENGINEERING CAD CAM CAE

Drawn By

Lakshmi Sharath.B

engineeringcadcamcae2018@gmail.com

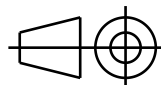
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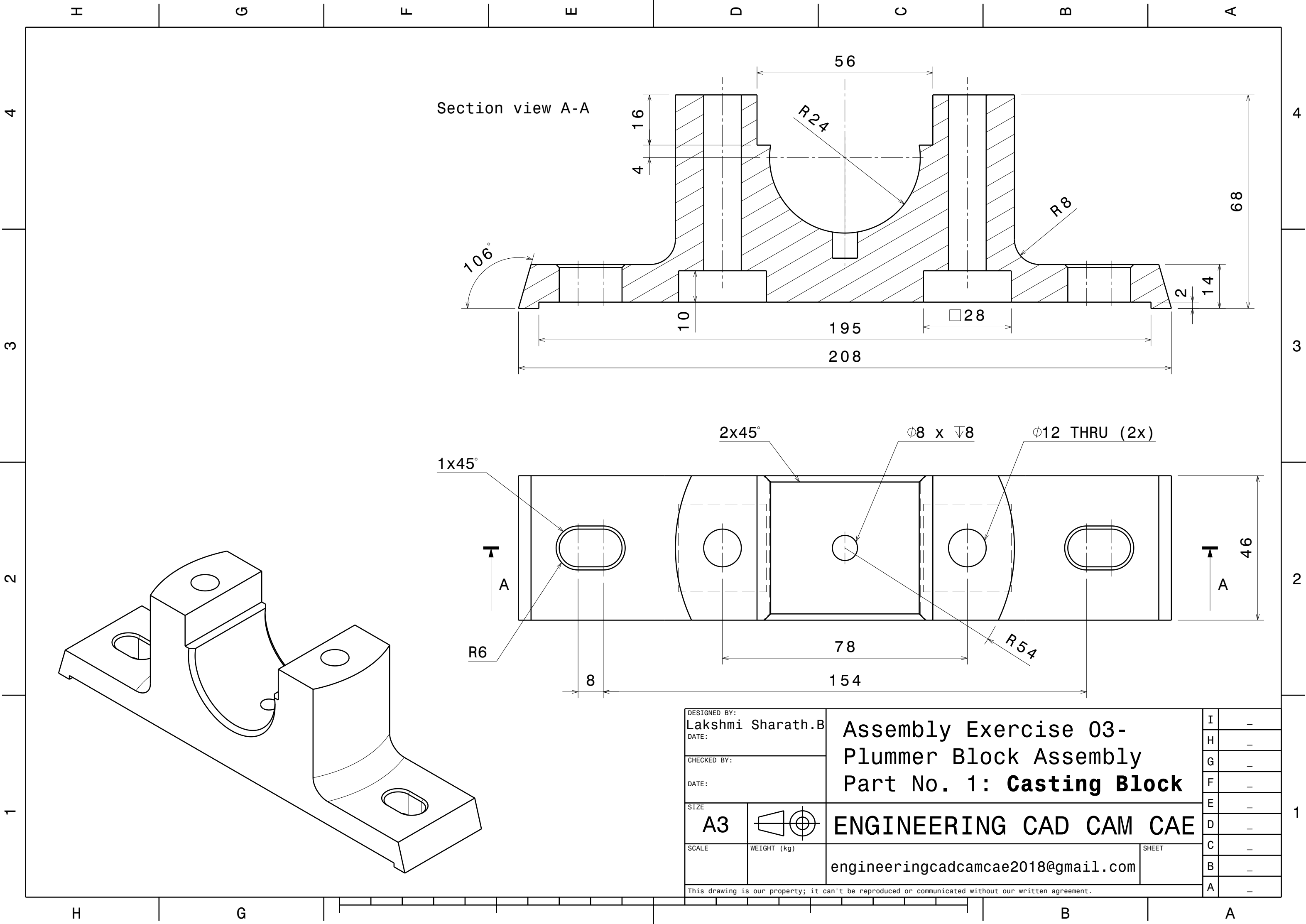


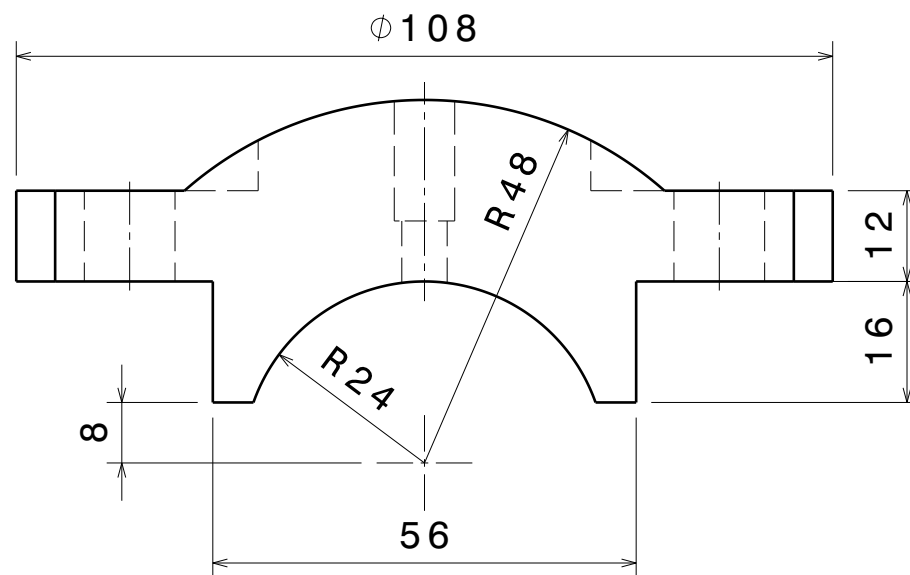
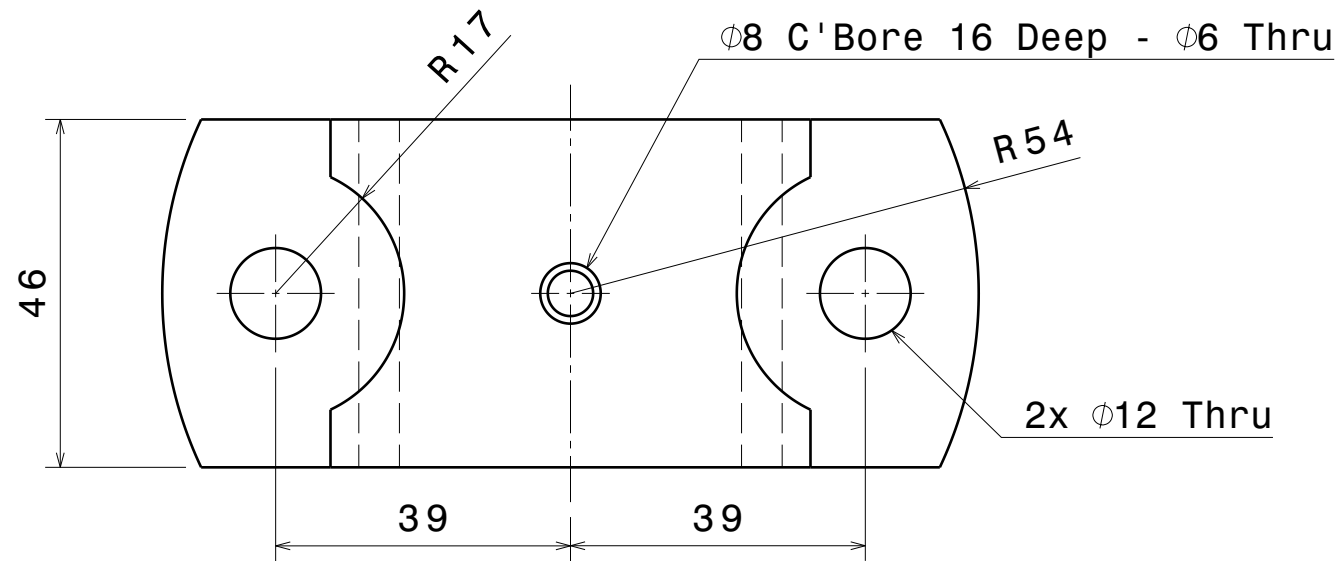
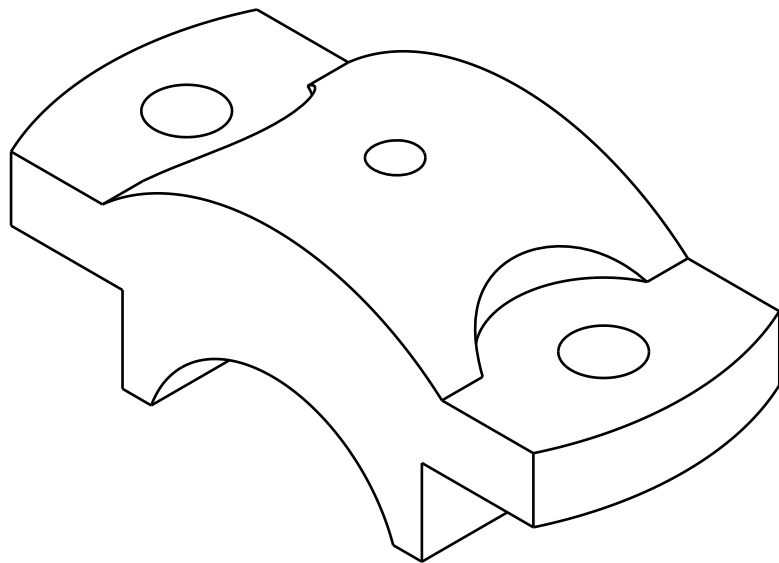
Bill of Material: Plummer Block Assembly

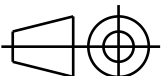
Part Number	Part Name	Quantity
1	Base	1
2	Cap	1
3	Shaft	1
4	12mm Nut	2
5	8mm Nut	2
6	Bolt	2

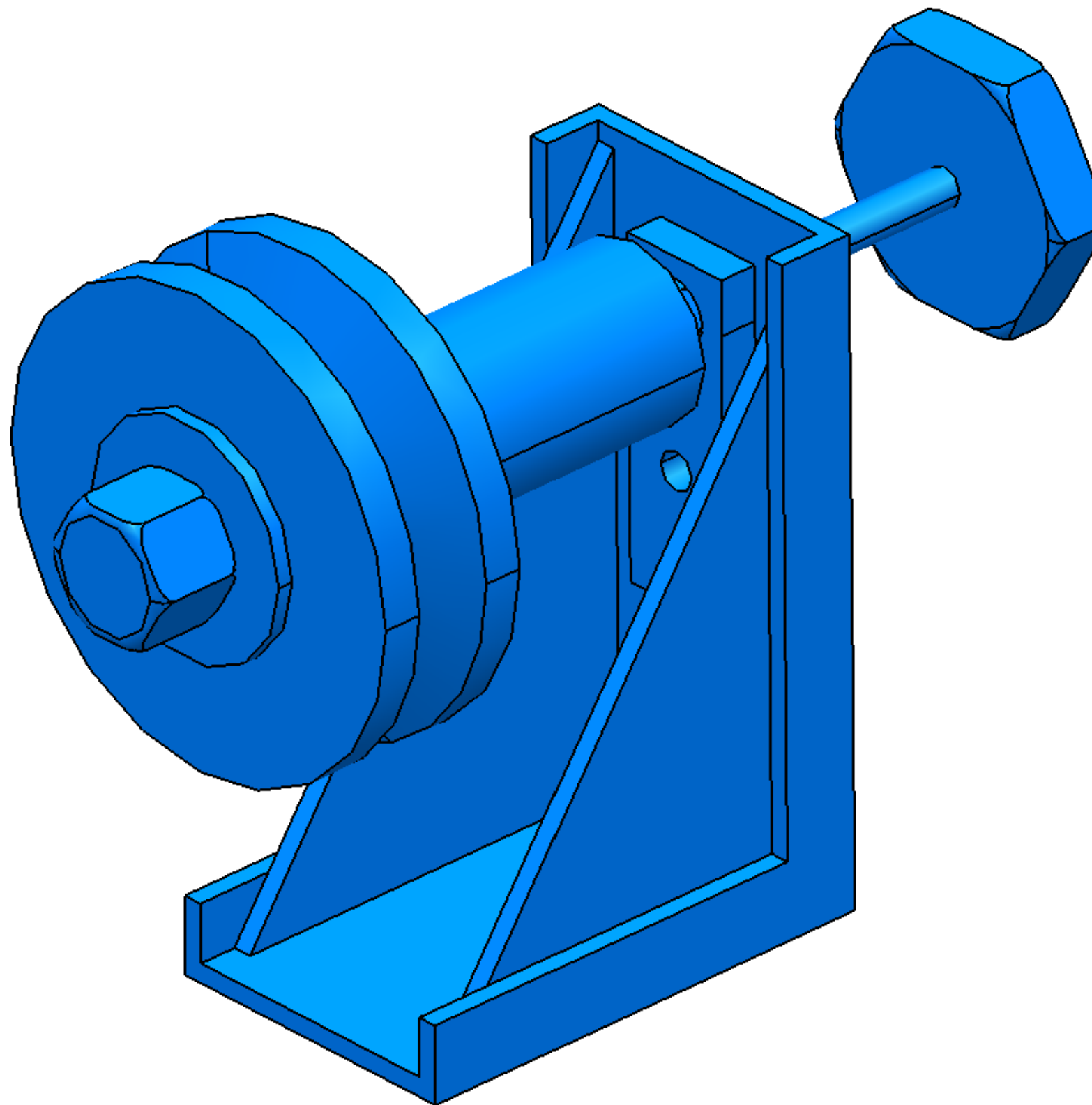
Exploded View

DESIGNED BY: Lakshmi Sharath.B		Assembly Exercise 03- Plummer Block Assembly		I	—
DATE:				H	—
CHECKED BY:				G	—
DATE:		ENGINEERING CAD CAM CAE		F	—
SIZE A3				E	—
SCALE	WEIGHT (kg)			D	—
engineeringcadcamcae2018@gmail.com			SHEET	C	—
				B	—
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DESIGNED BY: Lakshmi Sharath.B DATE:		Assembly Exercise 03- Plummer Block Assembly Part No. 2 : Cap	I	-
CHECKED BY:			H	-
DATE:			G	-
SIZE A3		ENGINEERING CAD CAM CAE	F	-
SCALE	WEIGHT (kg)		E	-
engineeringcadcamcae2018@gmail.com		D	-	
		C	-	
		B	-	
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THE PULLEY SUPPORT ASSEMBLY

ENGINEERING CAD CAM CAE

Drawn By

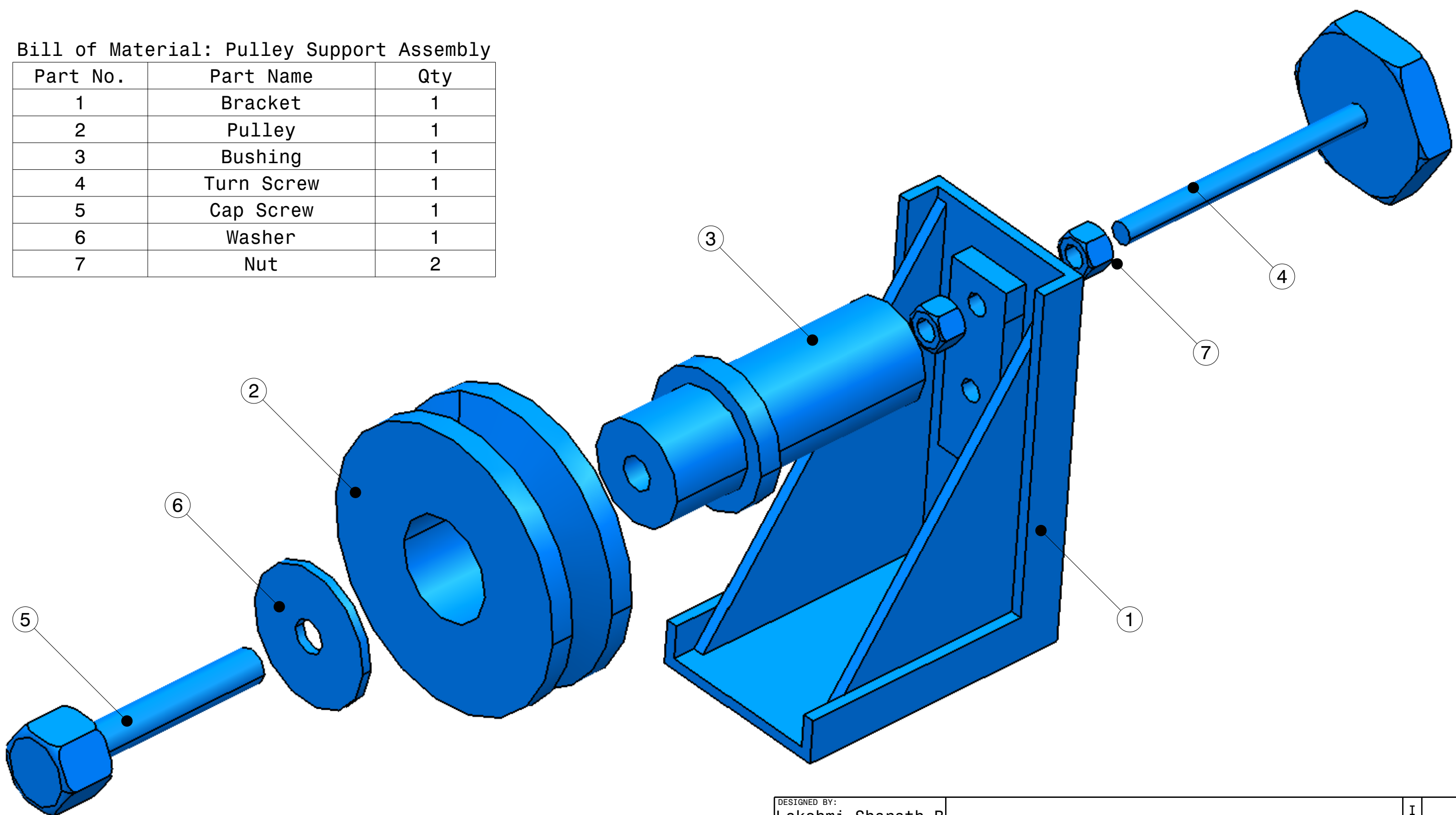
Lakshmi Sharath.B

engineeringcadcamcae2018@gmail.com

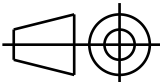
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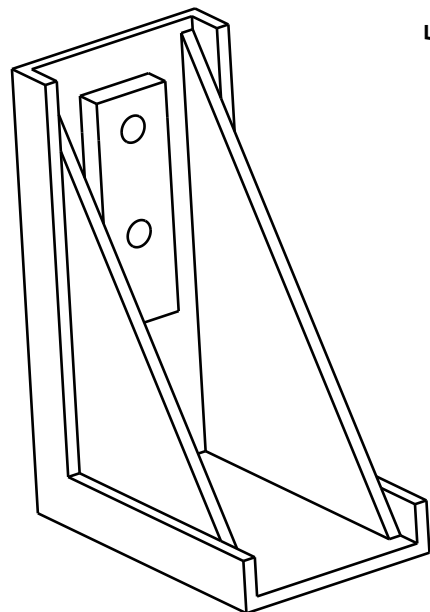
Bill of Material: Pulley Support Assembly

Part No.	Part Name	Qty
1	Bracket	1
2	Pulley	1
3	Bushing	1
4	Turn Screw	1
5	Cap Screw	1
6	Washer	1
7	Nut	2

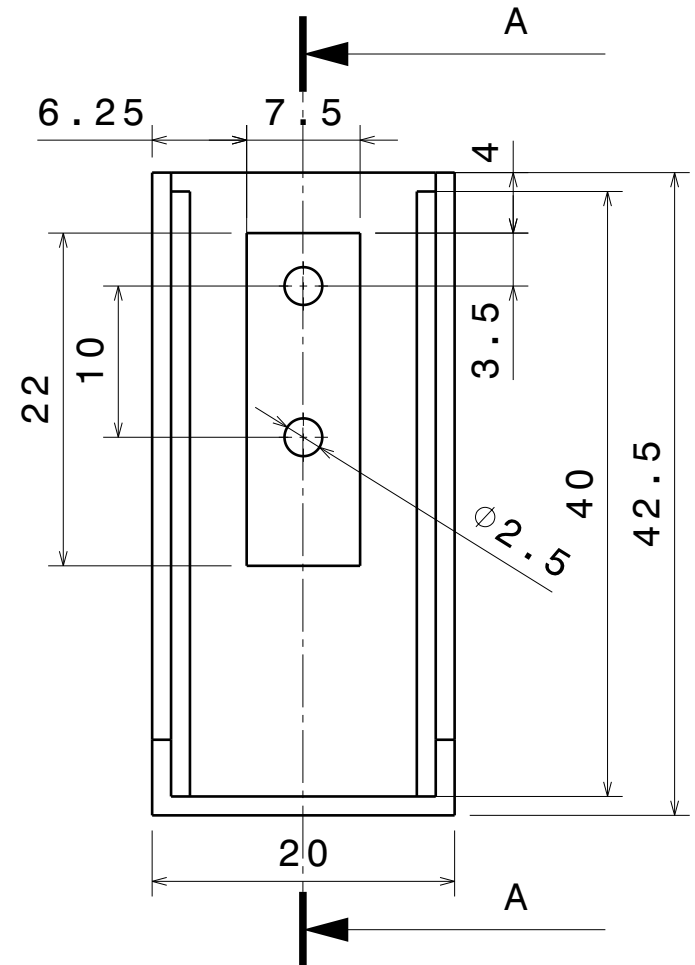
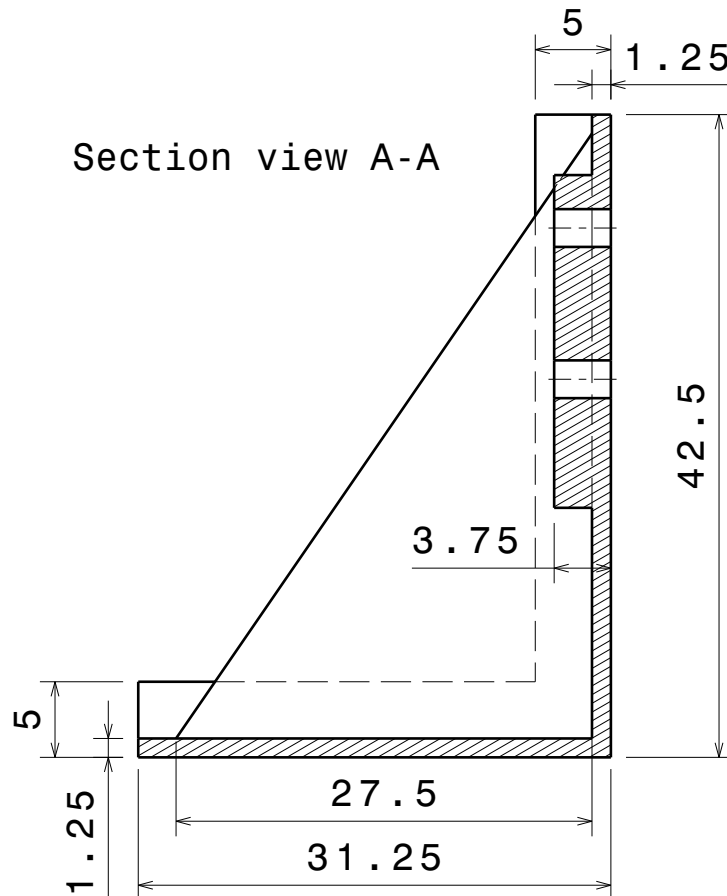


Exploded View

DESIGNED BY: Lakshmi Sharath.B		Assembly Exercise 04- Pulley Support Assembly		I	—
DATE:				H	—
CHECKED BY:				G	—
DATE:		ENGINEERING CAD CAM CAE		F	—
SIZE A3				E	—
SCALE	WEIGHT (kg)			D	—
		engineeringcadcamcae2018@gmail.com		C	—
				B	—
				A	—
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Section view A-A

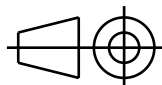


DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE

A4



SCALE

WEIGHT (kg)

Assembly Exercise 04 - Pulley Support Assembly Part No.1 : **Bracket**

ENGINEERING CAD CAM CAE

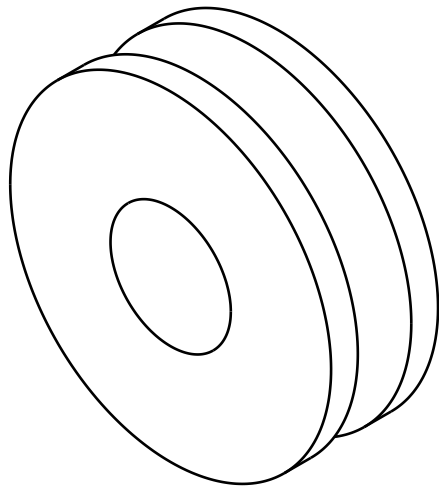
engineeringcadcamcae2018@gmail.com

SHEET

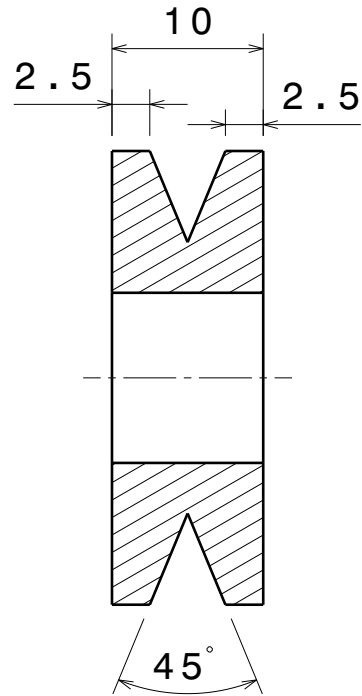
1 / 1

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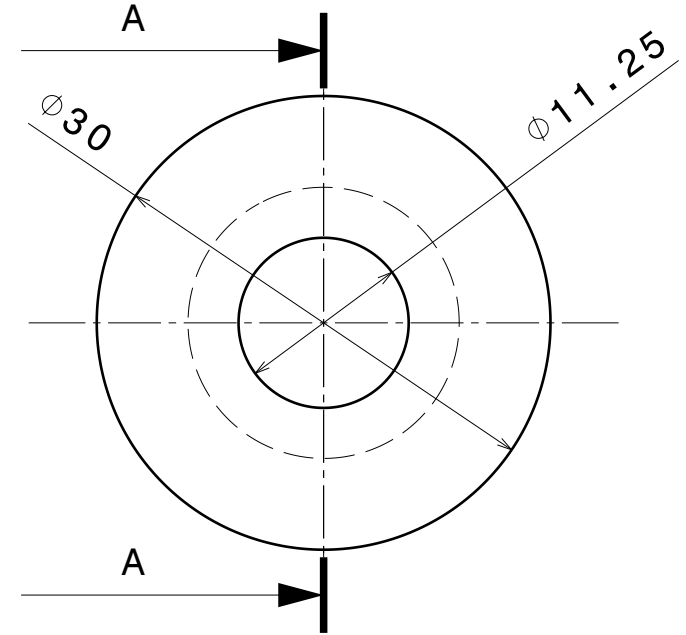
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Isometric view

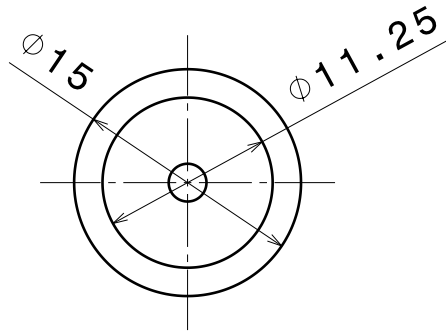
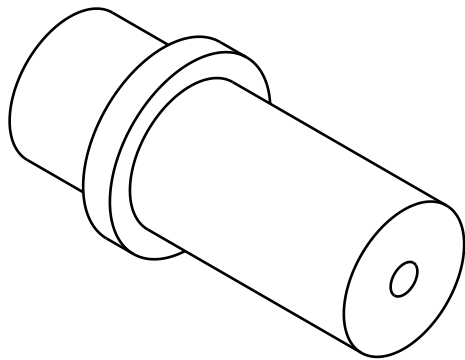


Section view A-A

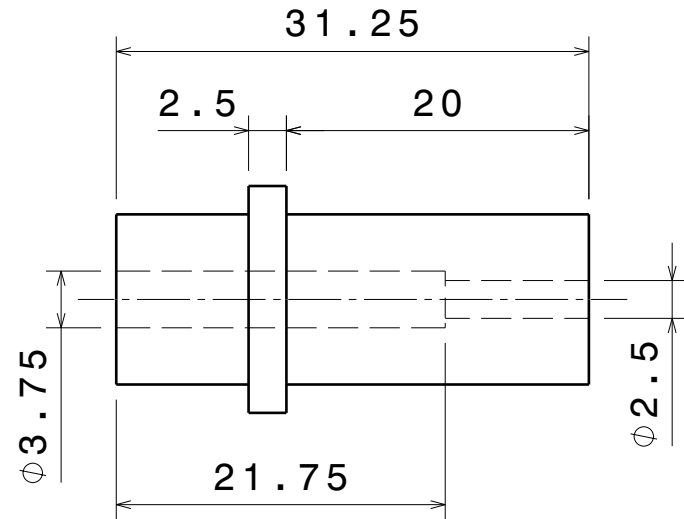


Front view

DESIGNED BY: Lakshmi Sharath.B		Assembly Exercise 04 - Pulley Support Assembly Part No.2 : Pulley		I	-
DATE:				H	-
CHECKED BY:		ENGINEERING CAD CAM CAE		G	-
DATE:				F	-
SIZE A4		engineeringcadcamcae2018@gmail.com		E	-
SCALE	WEIGHT (kg)			D	-
		SHEET 1 / 1		C	-
				B	-
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Front view



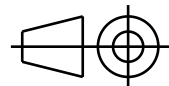
Side View

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

Assembly Exercise 04 -
Pulley Support Assembly
Part No.3 : **Bushing**

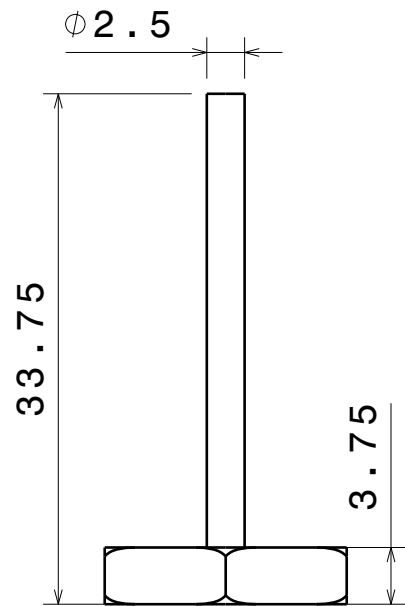
ENGINEERING CAD CAM CAE

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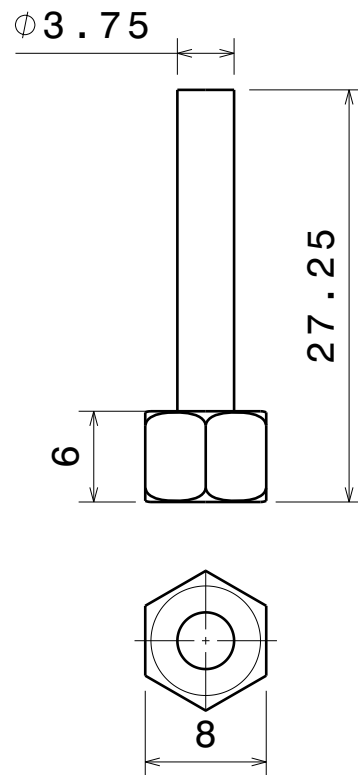
SHEET
1 / 1

This drawing is our property; it can't be reproduced or communicated without our written agreement.

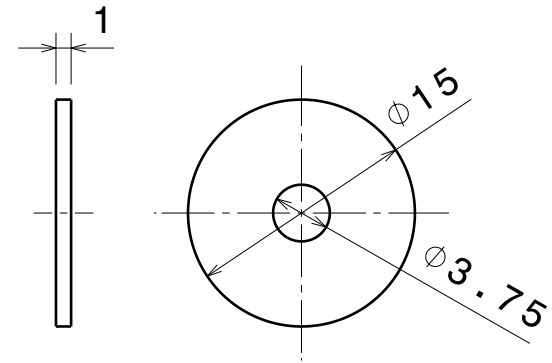
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H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



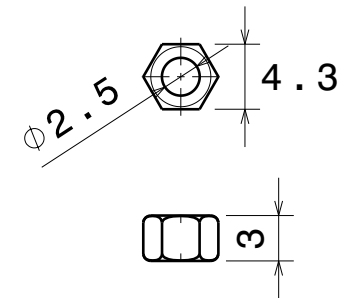
Part No.4- Turn Screw



Part No.5- Cap Screw



Part No.6 - Washer



Part No.7 - Nut

DESIGNED BY: Lakshmi Sharath.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A4	
SCALE	WEIGHT (kg)

**Assembly Exercise 04 -
Pulley Support Assembly
Part No.4 to 7**

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SHEET

1 / 1

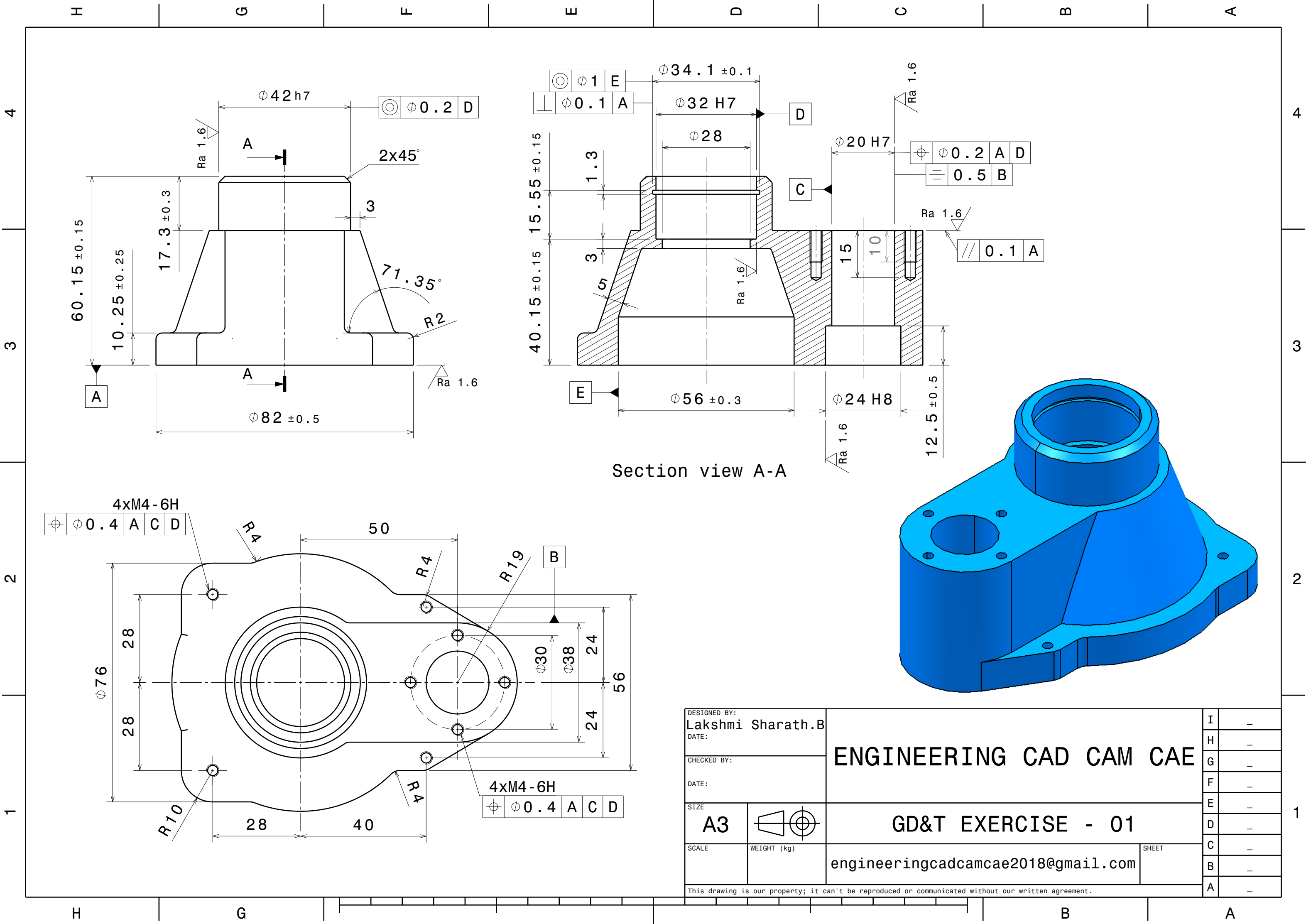
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
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F	-
E	-
D	-
C	-
B	-
A	-

ENGINEERING CAD CAM CAE

(A Professional Training Institute)

Geometric Dimensioning & Tolerancing (GD&T) Practice Drawings



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

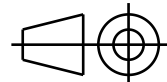
DATE:

SIZE

A3

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

GD&T EXERCISE - 01

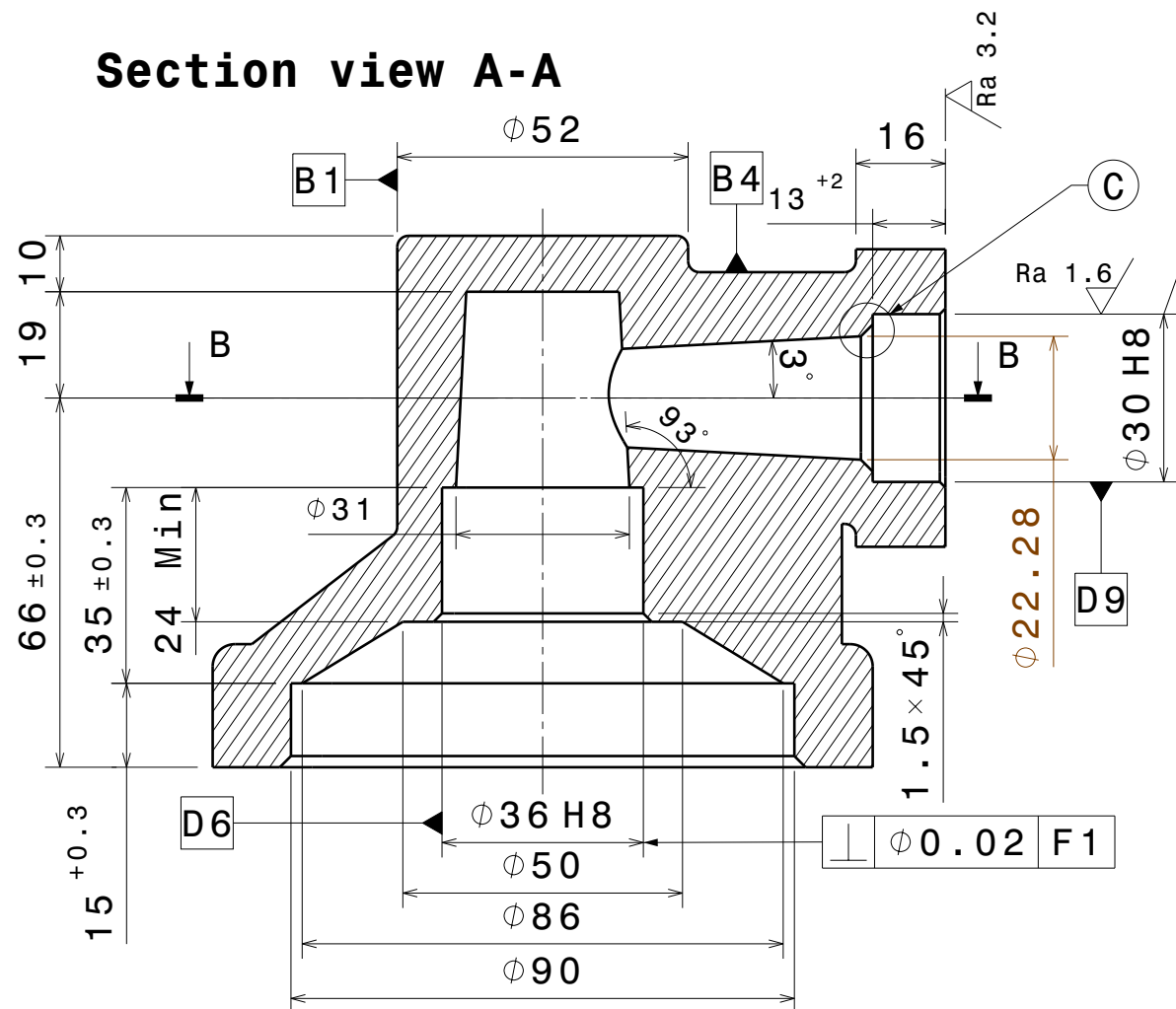
engineeringcadcamcae2018@gmail.com

SHEET

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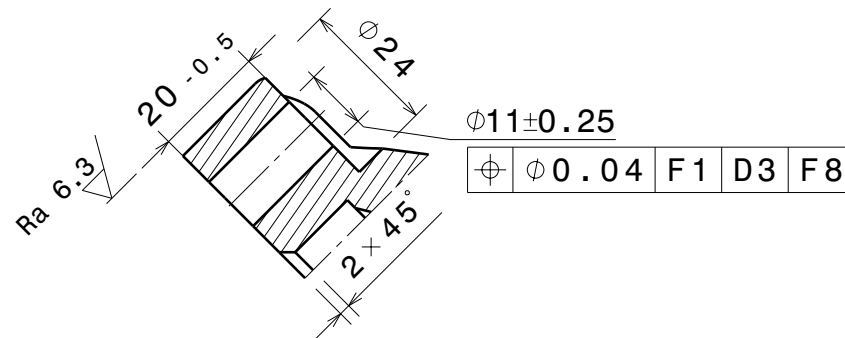
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

Section view A-A



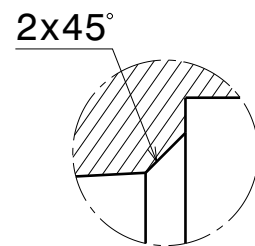
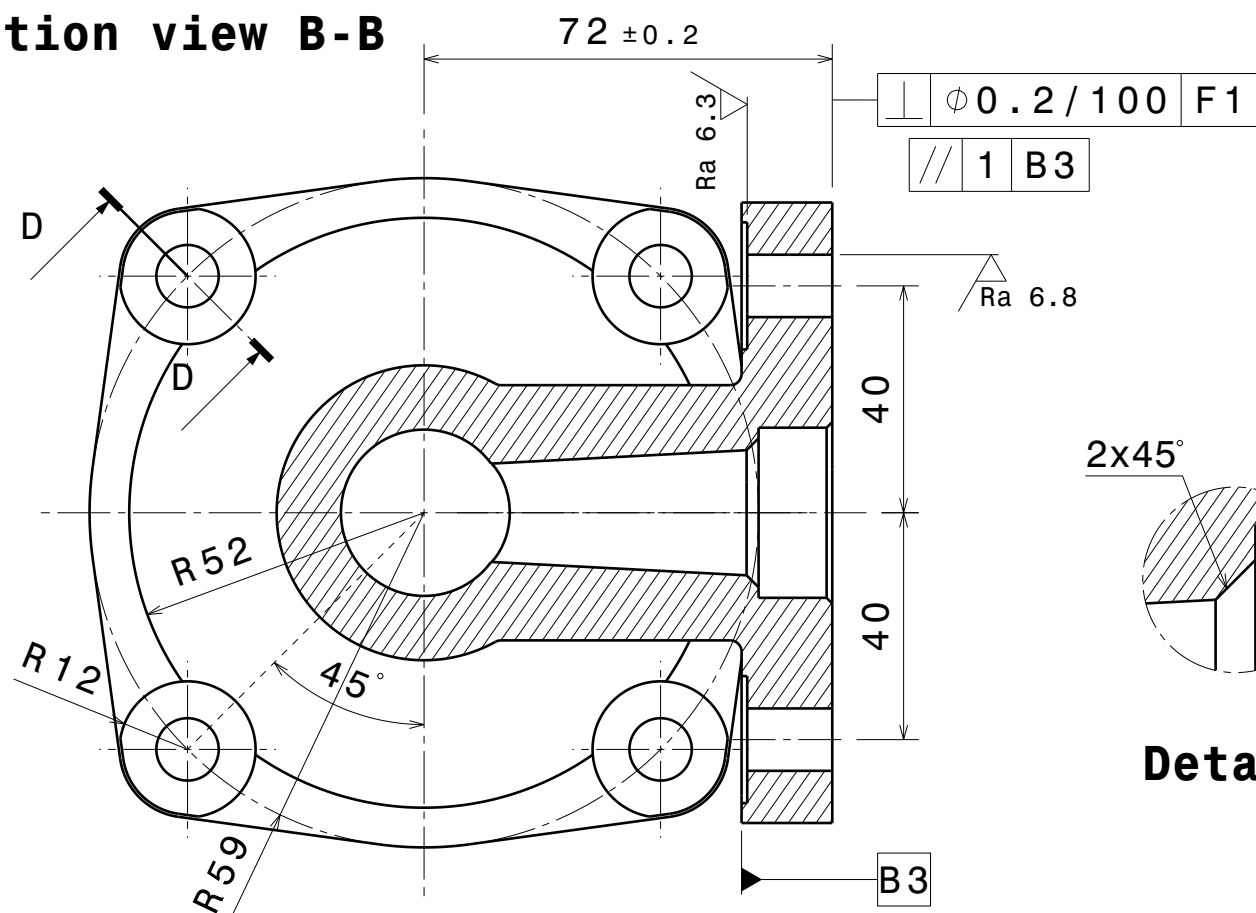
\perp	$\phi 0.1 / 100$	F8
\equiv	0.5	D3
\odot	$\phi 2$	B4

Section view D-D

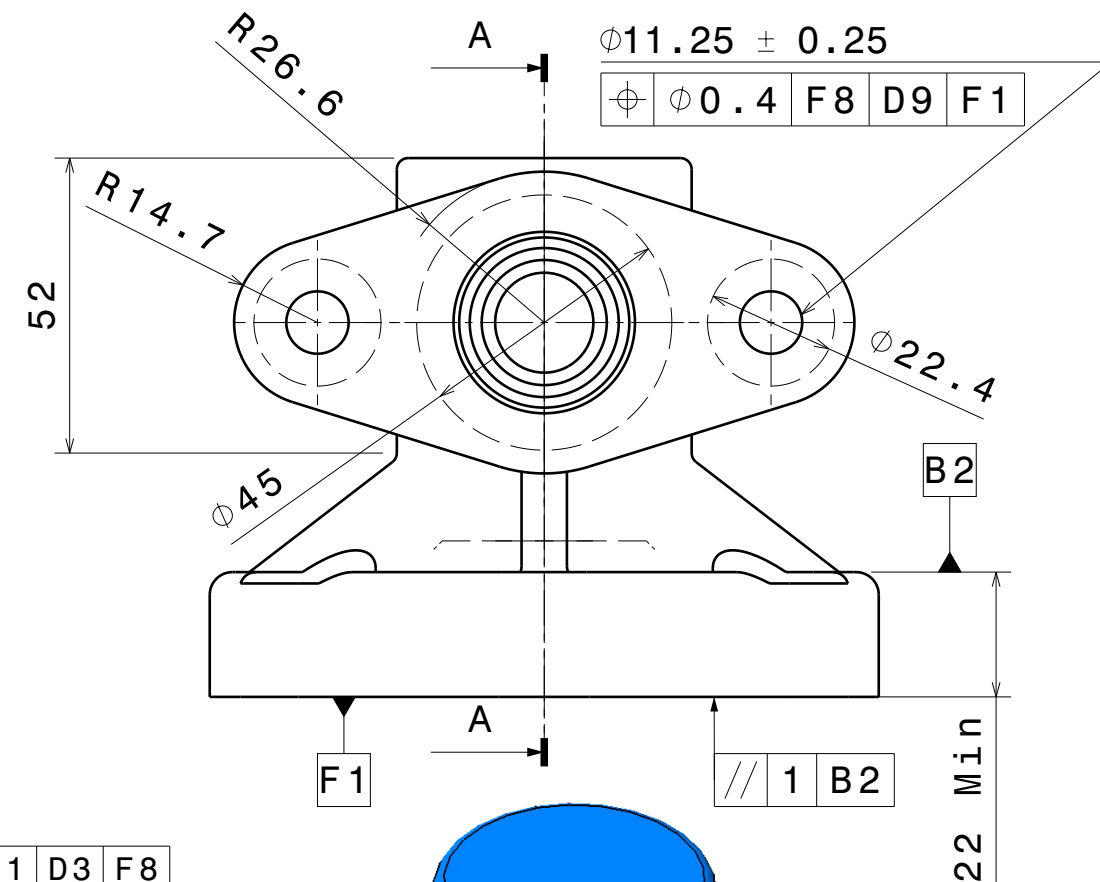


\perp	$\phi 0.02$	F1
\equiv	0.04	F1 D3 F8
\odot	$\phi 11 \pm 0.25$	

Section view B-B



Detail C



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A3

SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

GD&T EXERCISE - 03

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SHEET

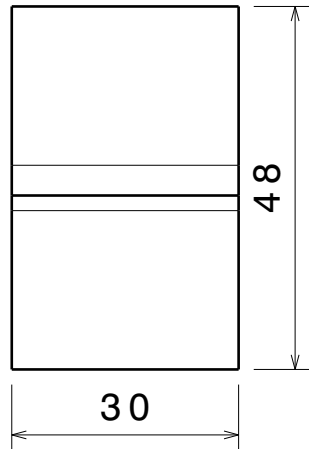
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

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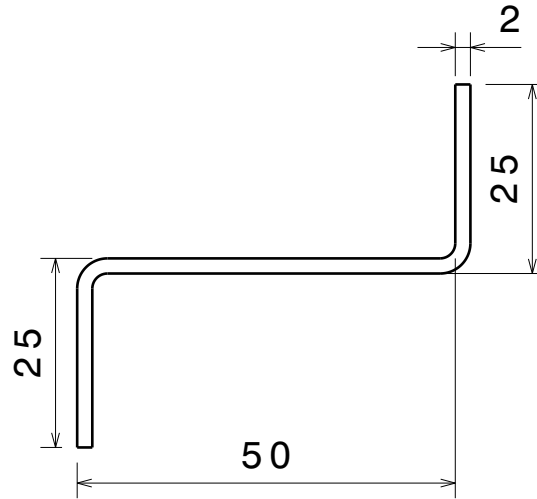
ENGINEERING CAD CAM CAE

(A Professional Training Institute)

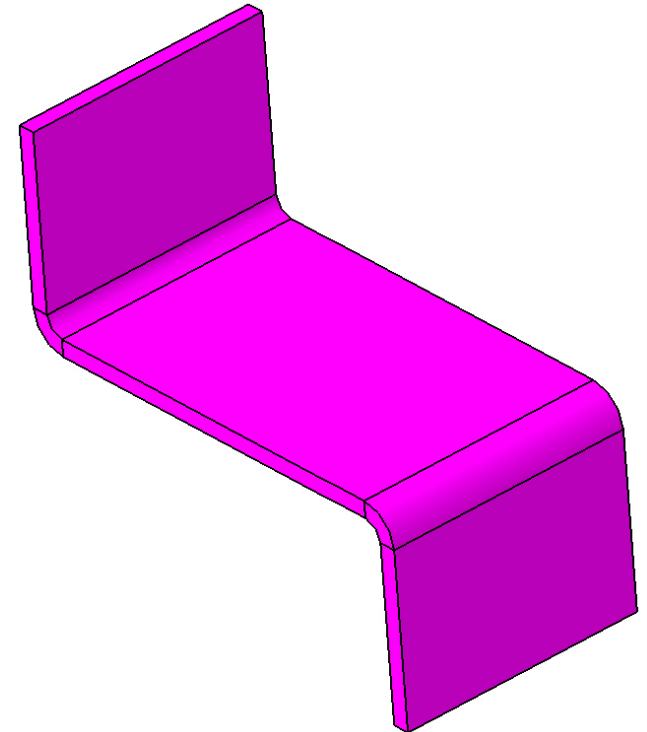
Sheetmetal Practice Drawings



Right view



Front view



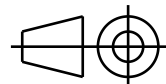
Sheet Thickness: 2mm
Bend Radius: 2mm

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

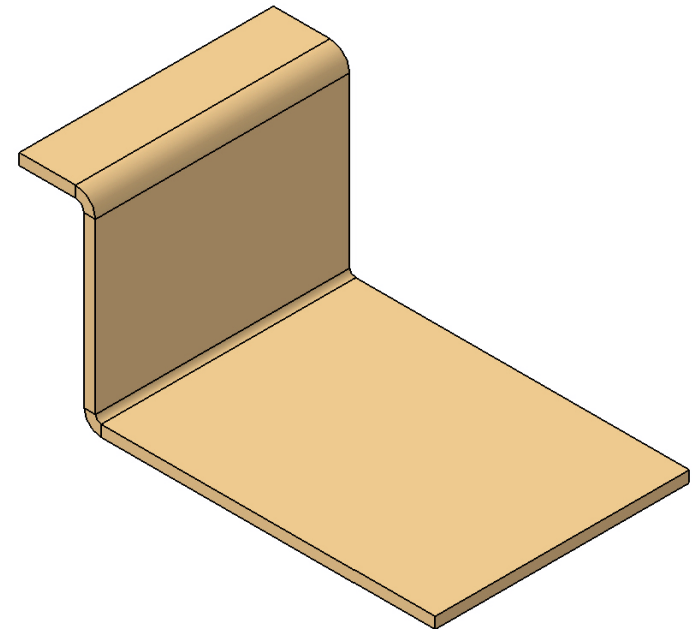
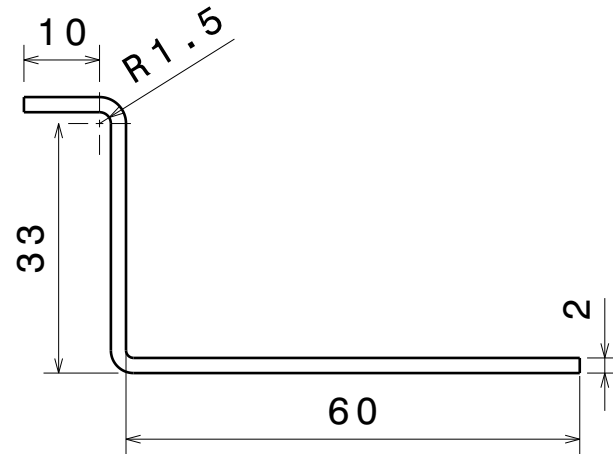
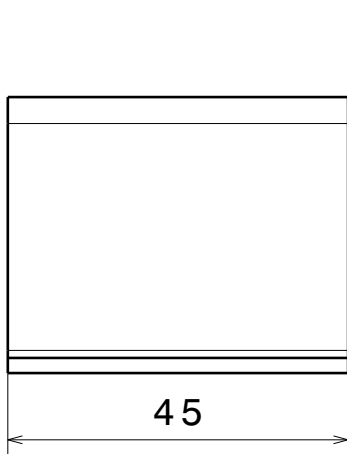
SHEETMETAL EXERCISE - 01

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SHEET
1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Sheet Thickness: 2mm
Bend Radius: 1mm

DESIGNED BY: Lakshmi Sharath.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A4	
SCALE	WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 02

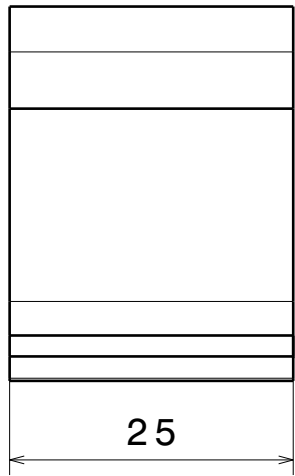
engineeringcadcamcae2018@gmail.com

SHEET

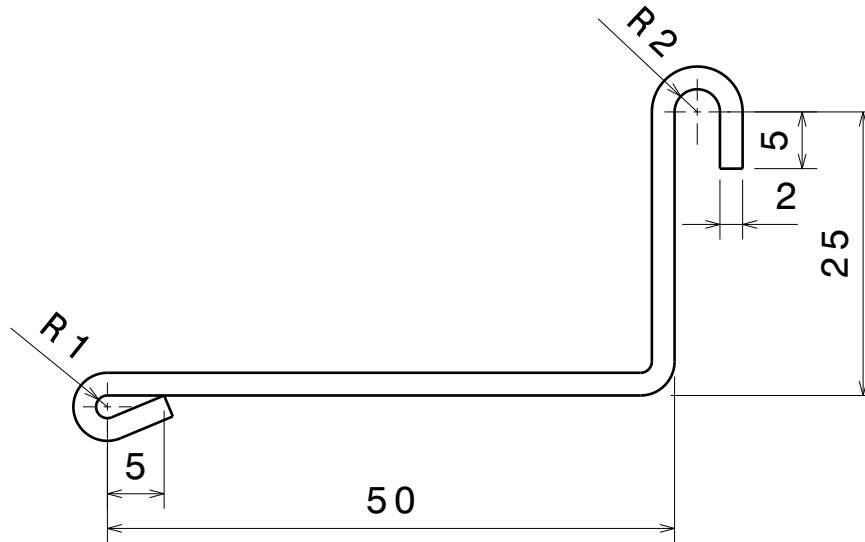
1 / 1

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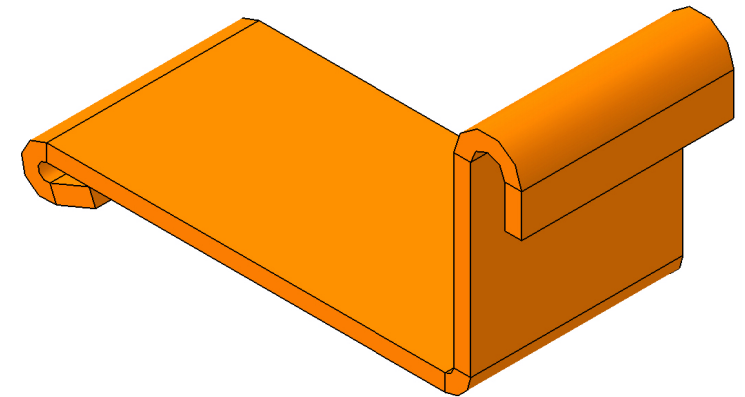
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Right view



Front view



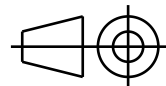
Sheet Thickness: 2mm
Bend Radius: 1mm

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 03

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SHEET
1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

D

C

B

A

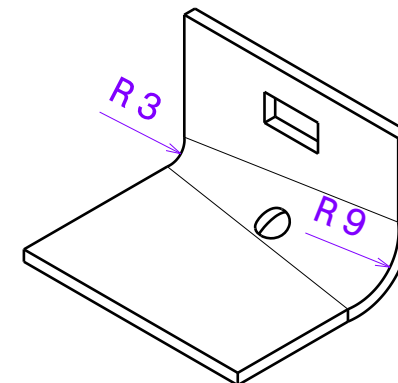
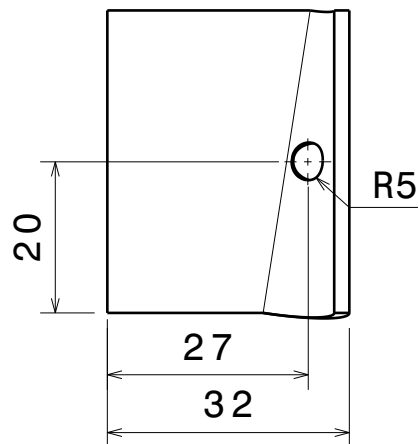
4

3

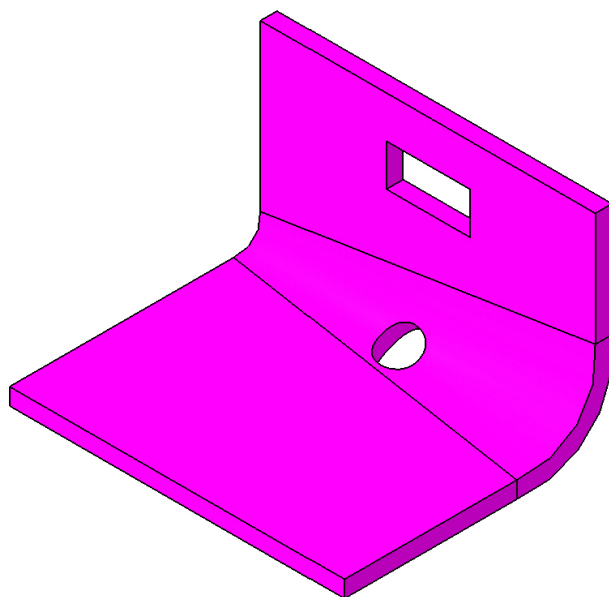
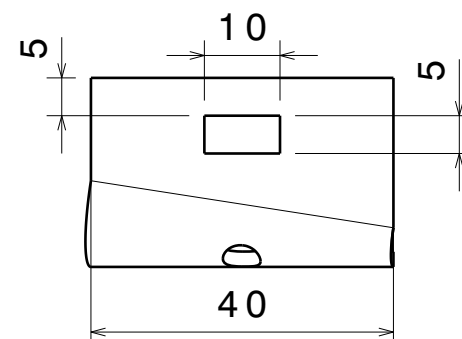
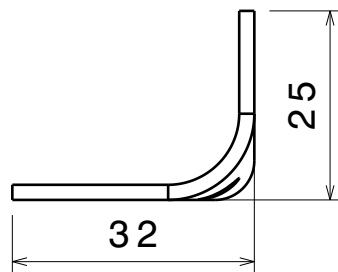
2

1

Sheet Thickness: 2mm



Isometric view

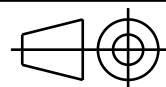


DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 04

engineeringcadcamcae2018@gmail.com

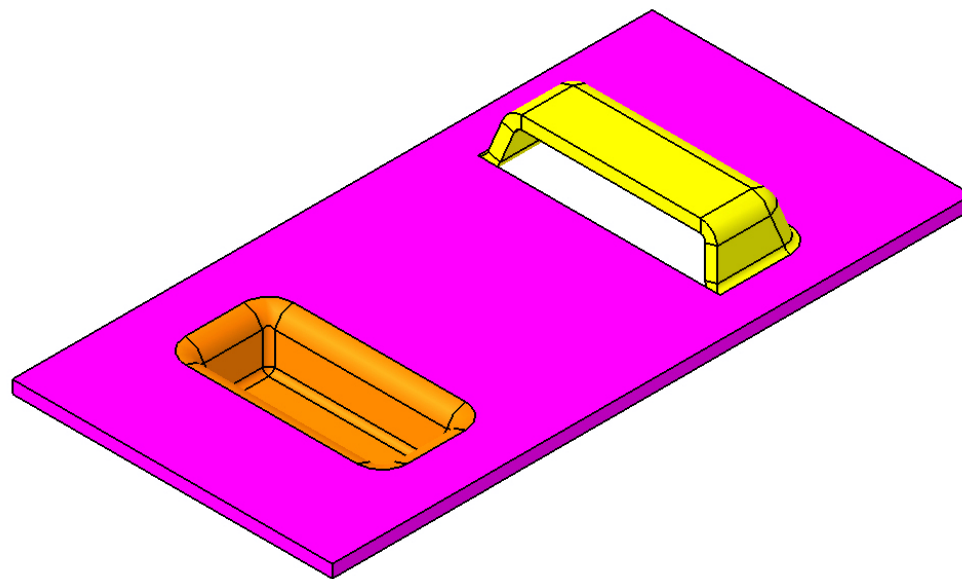
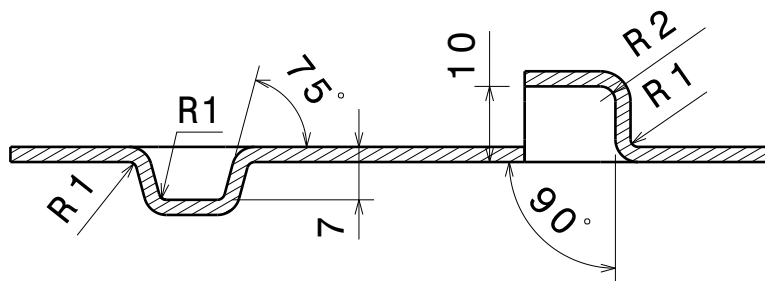
SHEET

1 / 1

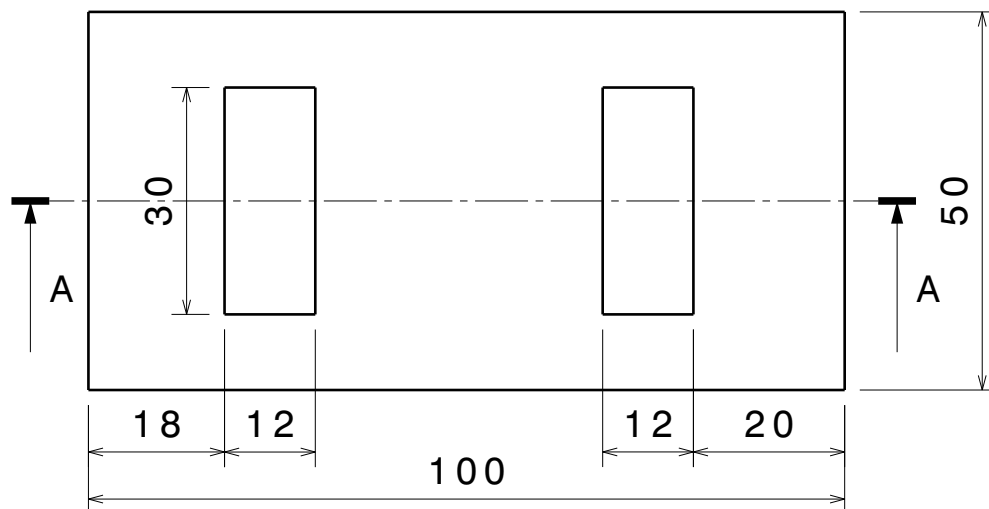
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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

Section view A-A



Sheet Thickness: 2mm



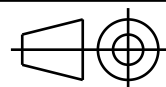
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 05

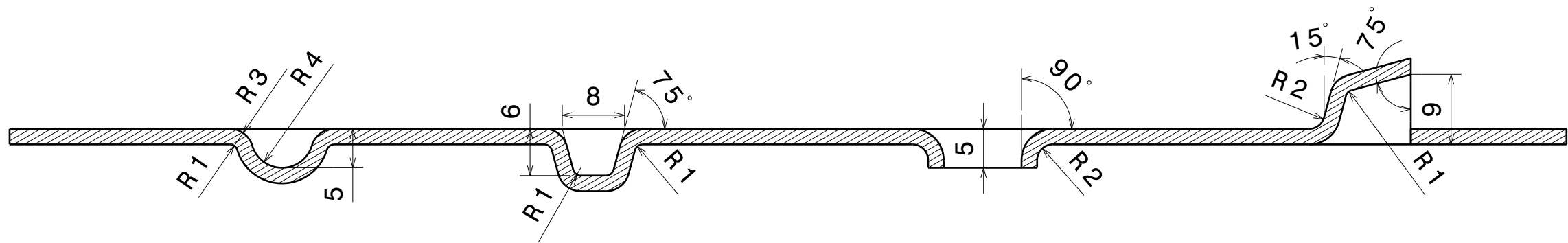
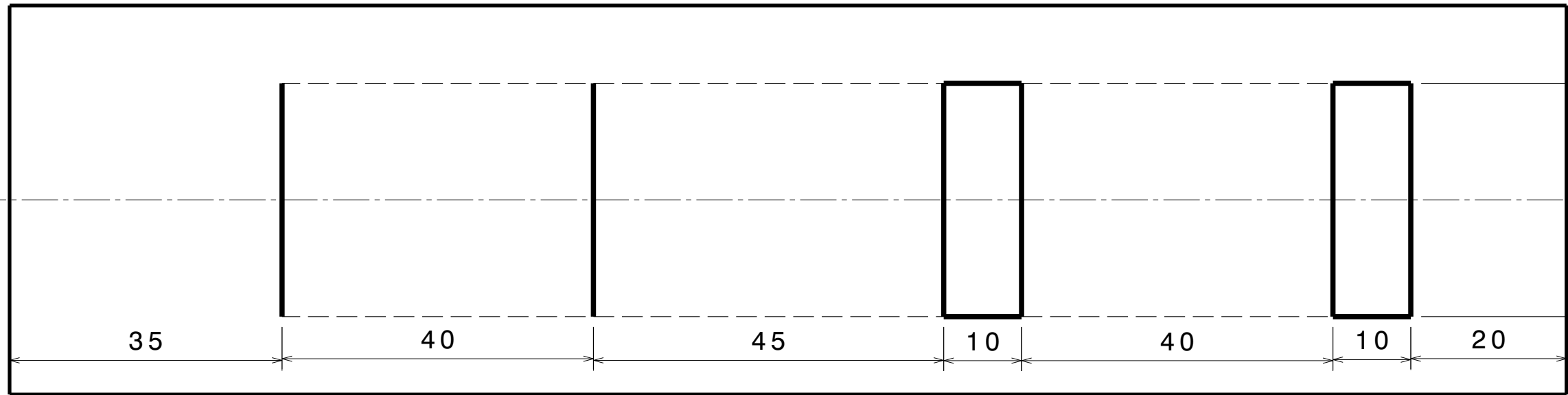
engineeringcadcamcae2018@gmail.com

SHEET

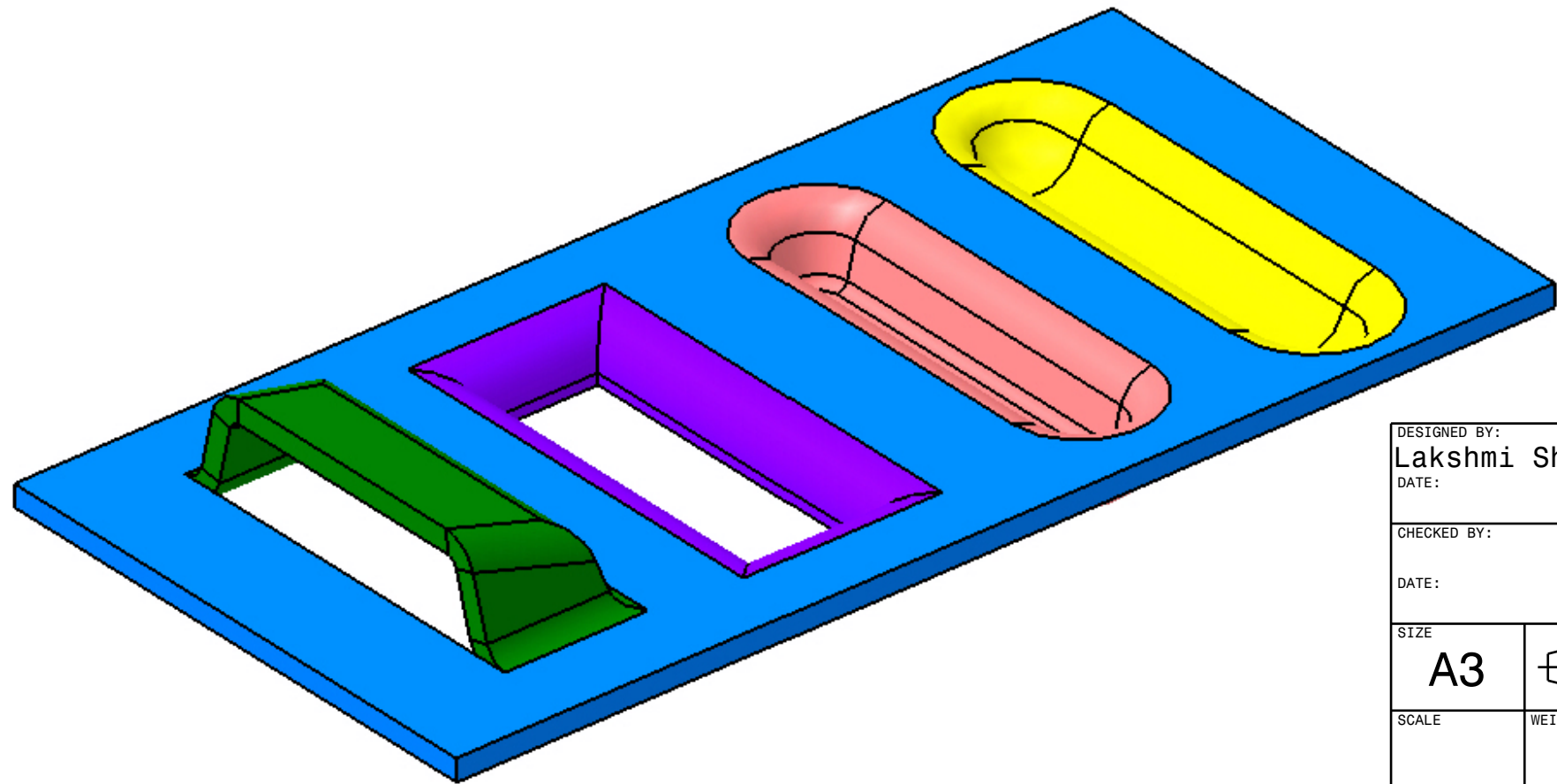
1 / 1

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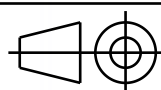
I	-
H	-
G	-
F	-
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D	-
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B	-
A	-

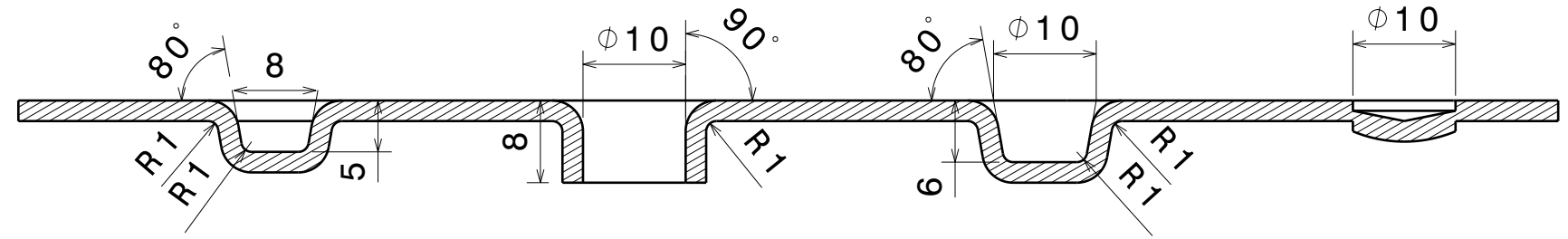


Section view A-A

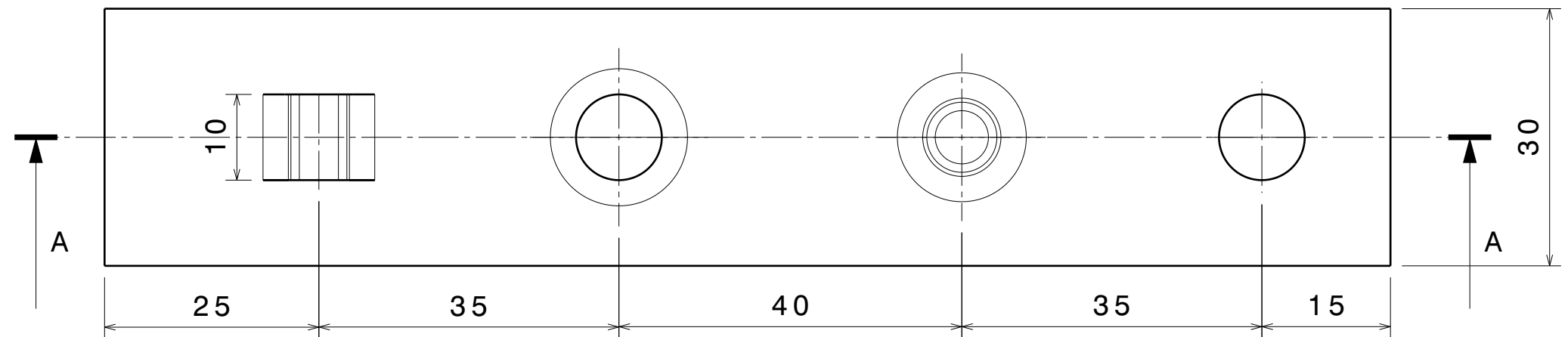


Sheet Thickness: 2mm

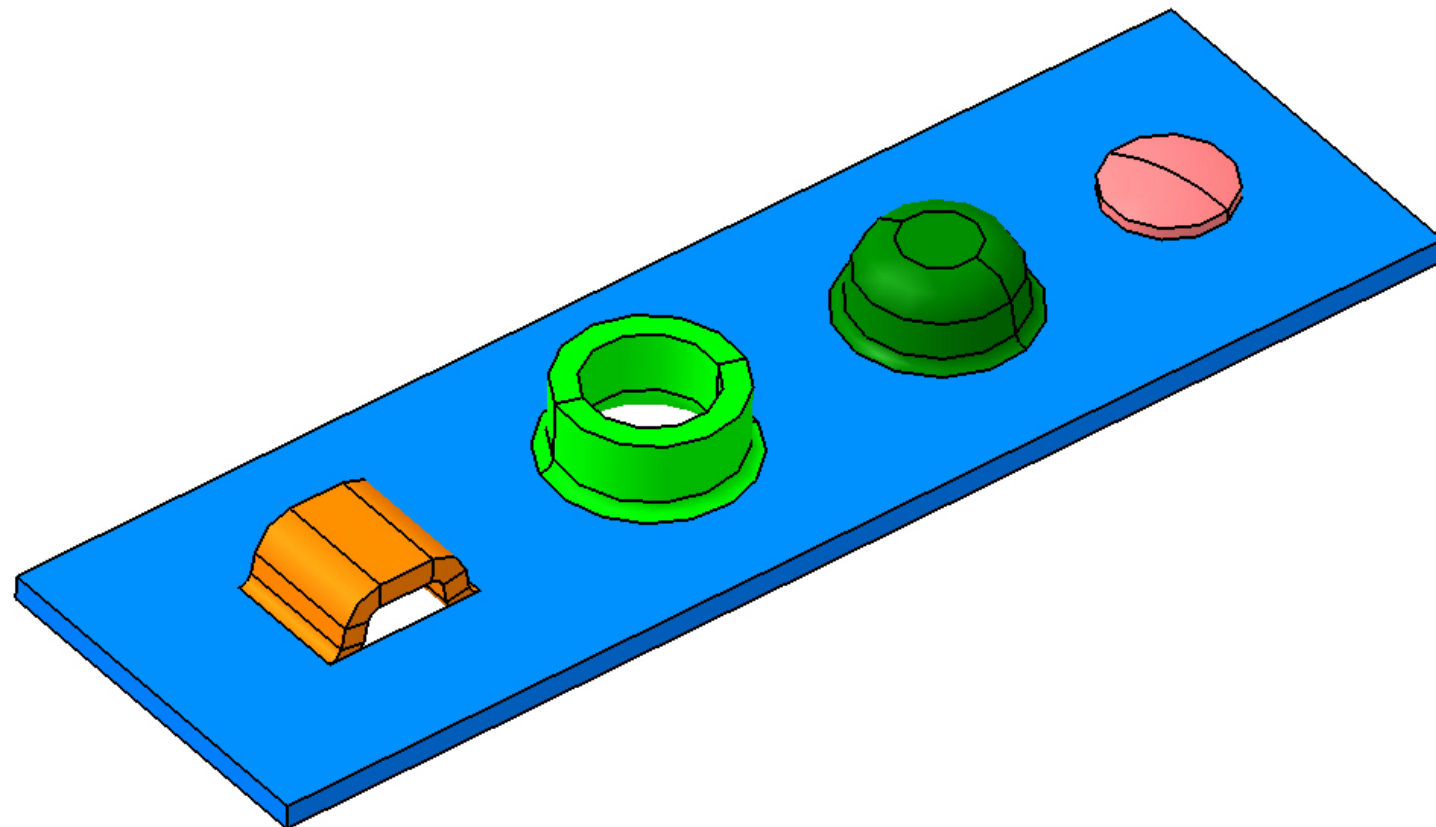
DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		SHEETMETAL EXERCISE - 06	E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	—

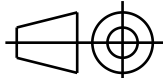


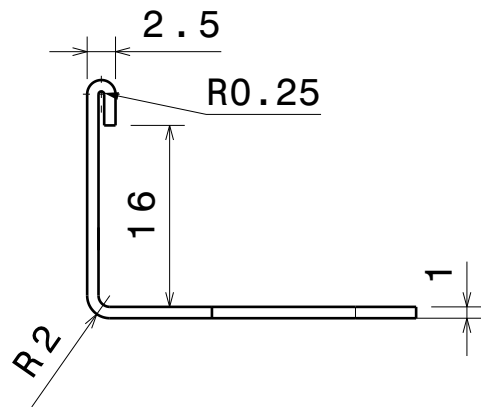
Section view A-A



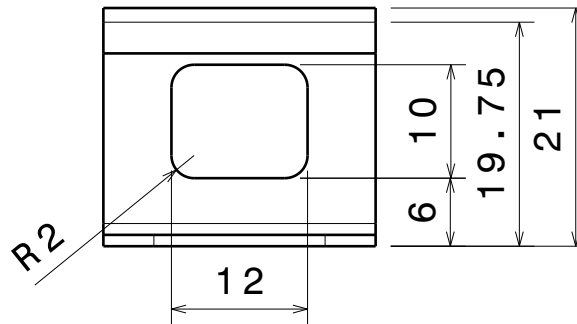
Top view



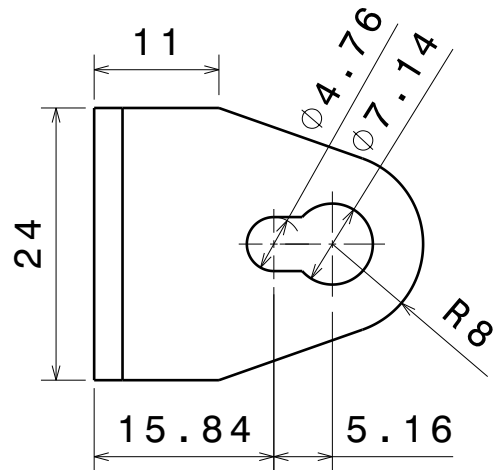
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A3		SHEETMETAL EXERCISE - 07	E	—
SCALE	WEIGHT (kg)		D	—
			C	—
			B	—
			A	—
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Front view

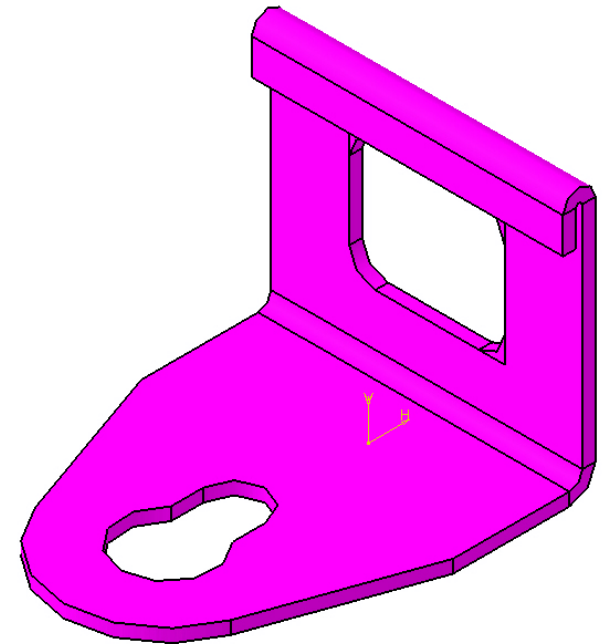


Right view



Top view

Sheet Thickness: 1mm



DESIGNED BY: Lakshmi Sharath.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A4	
SCALE	WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 08

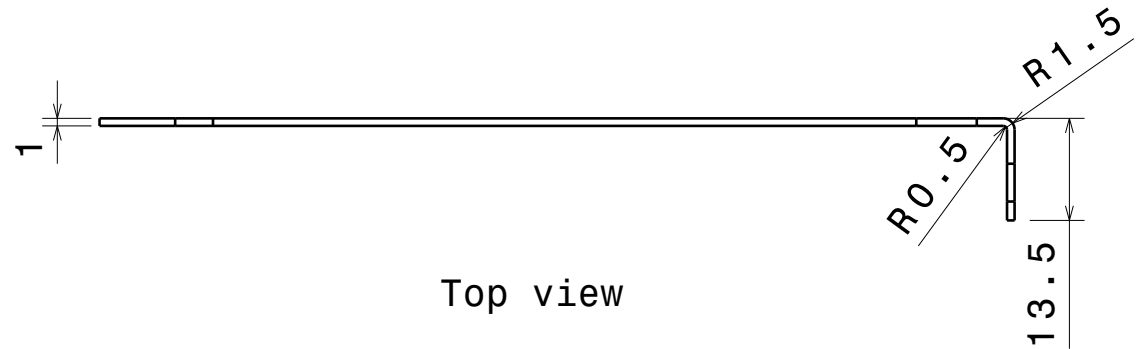
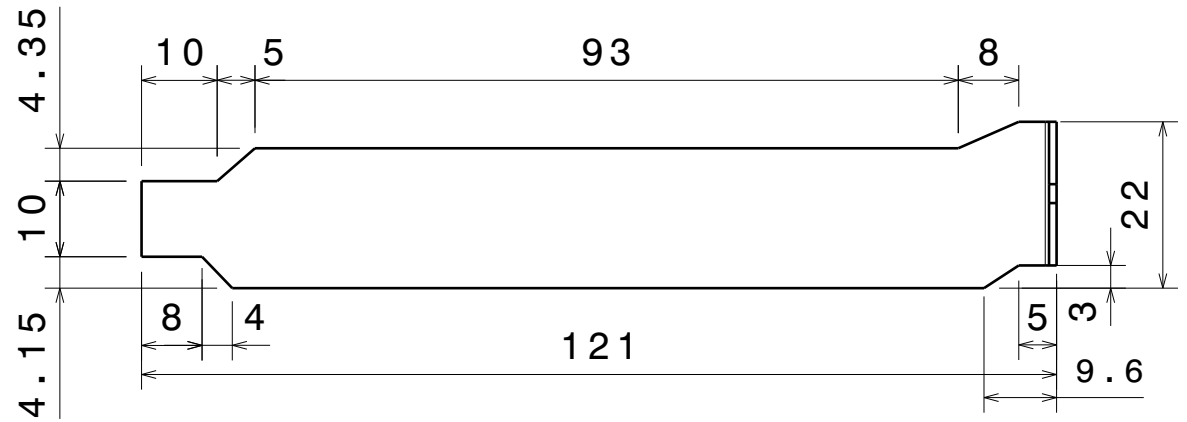
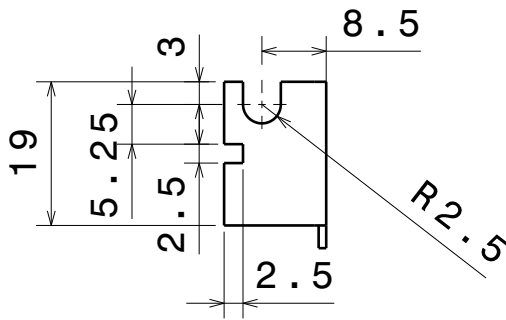
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Sheet Thickness: 1mm

DESIGNED BY: Lakshmi Sharath.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A4	
SCALE	WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 09

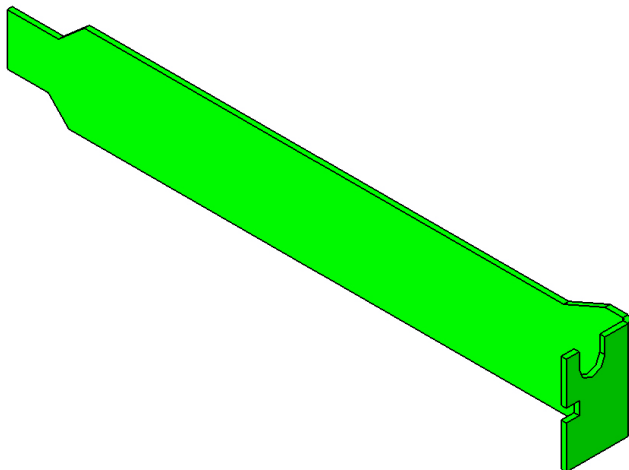
engineeringcadcamcae2018@gmail.com

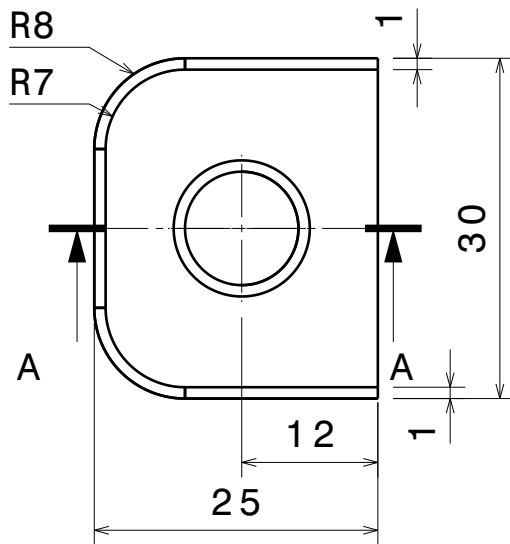
SHEET

1 / 1

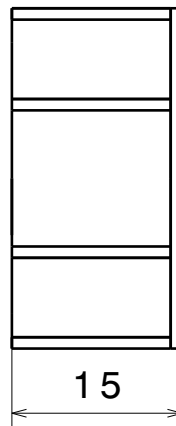
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

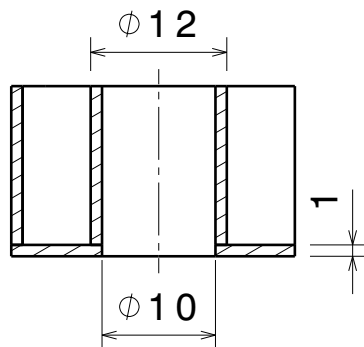




Front view

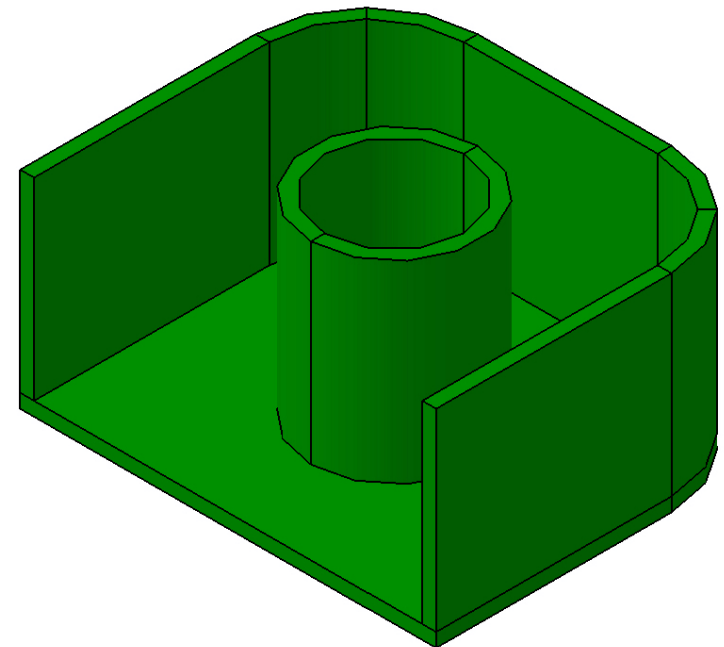


Right view



Section view A-A

Sheet Thickness: 1mm



DESIGNED BY:
Lakshmi Sharath.B

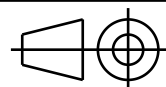
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 10

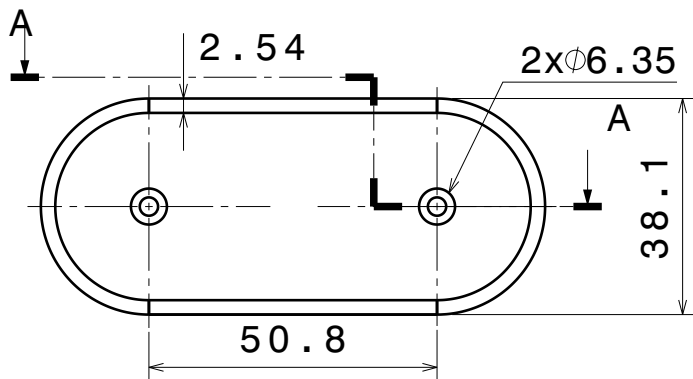
engineeringcadcamcae2018@gmail.com

SHEET

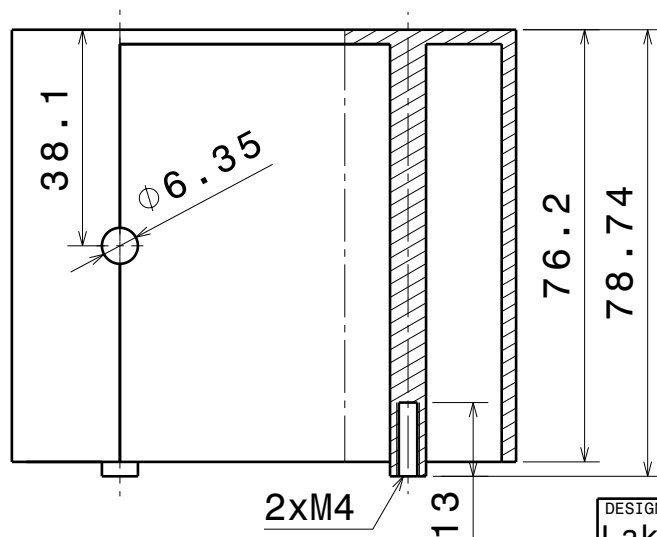
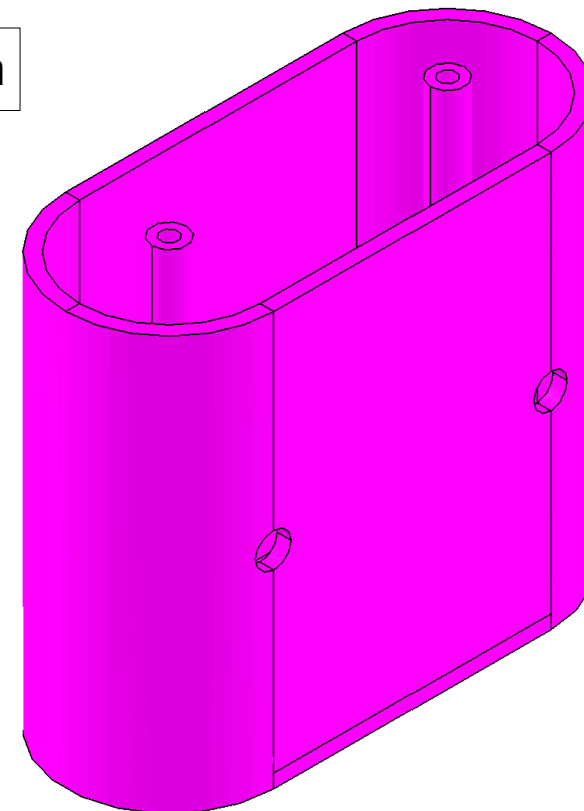
1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Sheet Thickness: 2.54mm

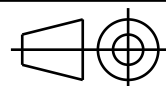


Section view A-A

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

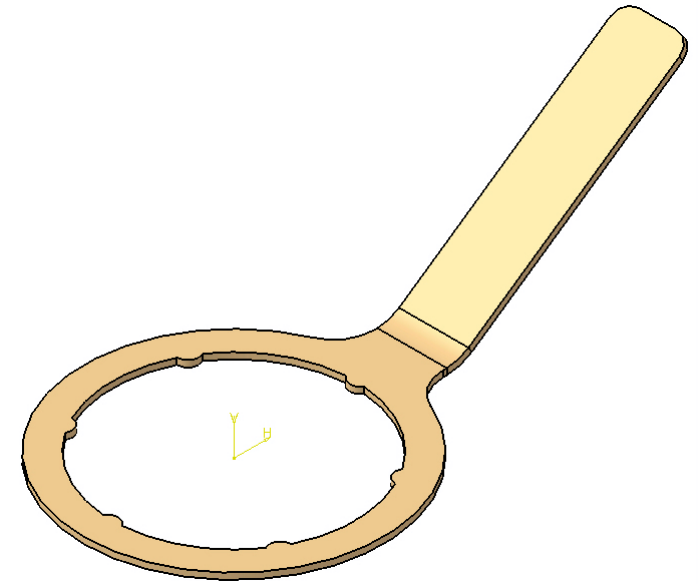
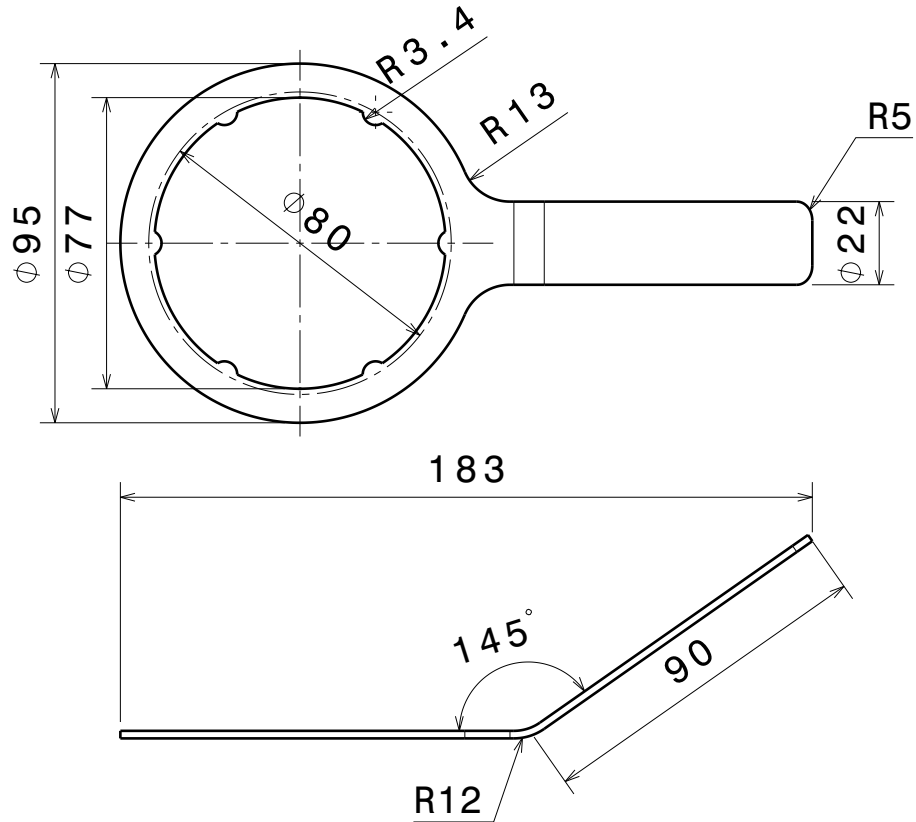
SHEETMETAL EXERCISE - 11

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SHEET
1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Sheetmetal Thickness: 2mm

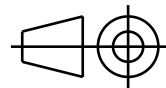
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 12

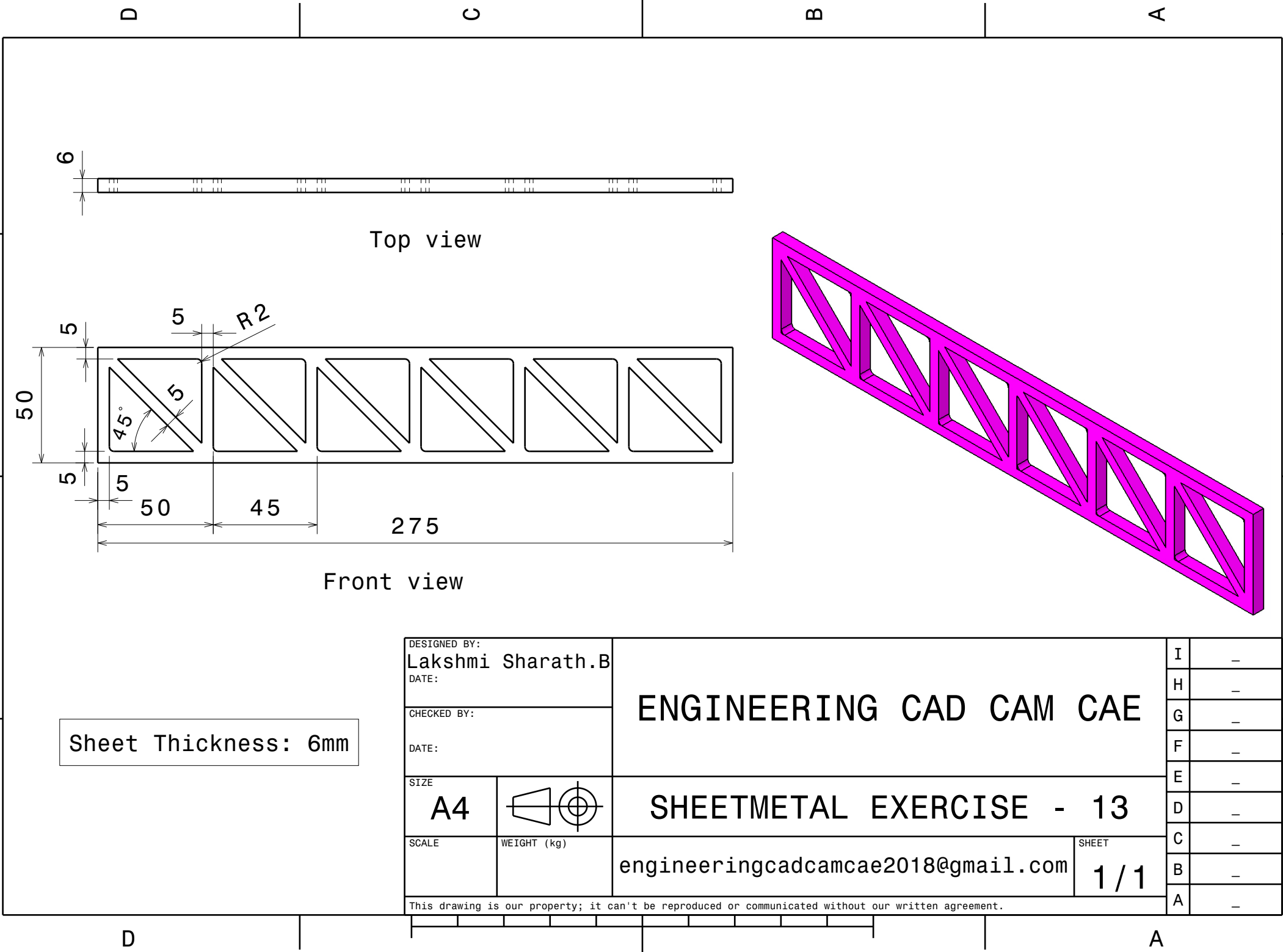
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



D

C

B

A

4

4

3

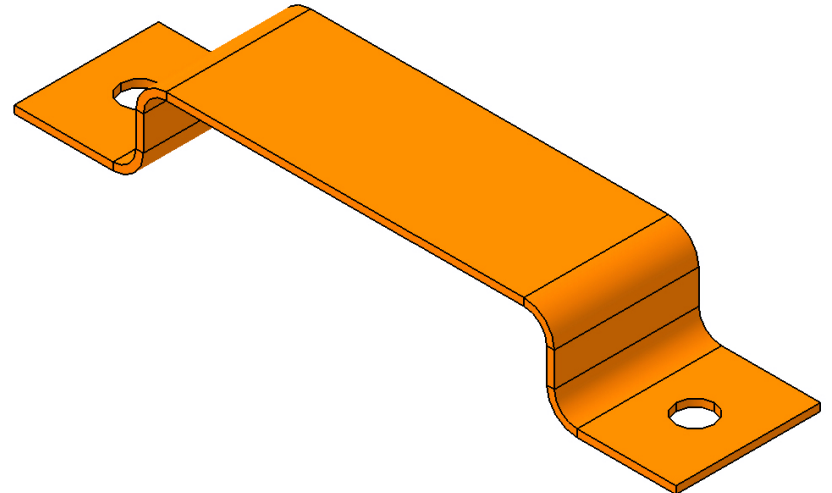
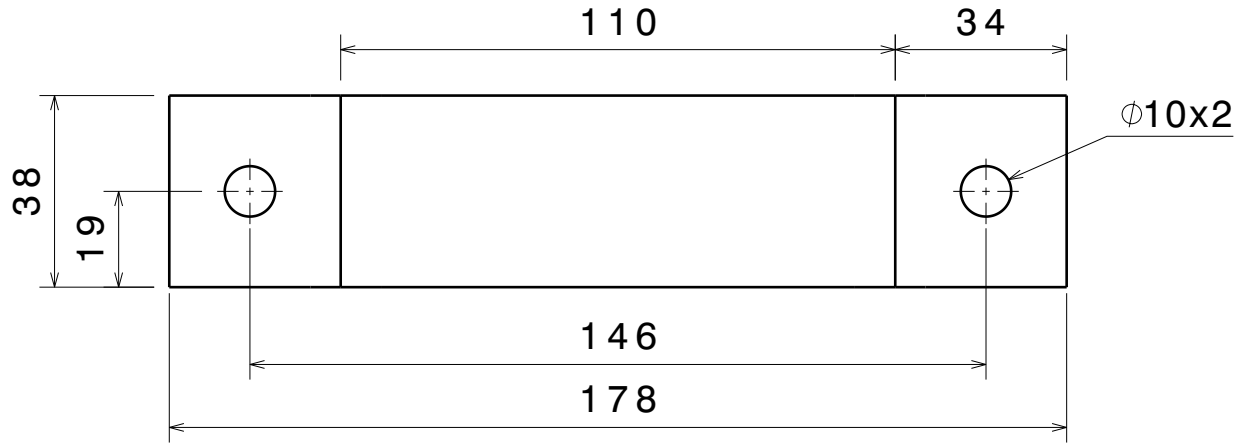
3

2

2

1

1



Sheet Thickness: 2mm

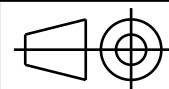
DESIGNED BY:
Lakshmi Sharath.B

DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

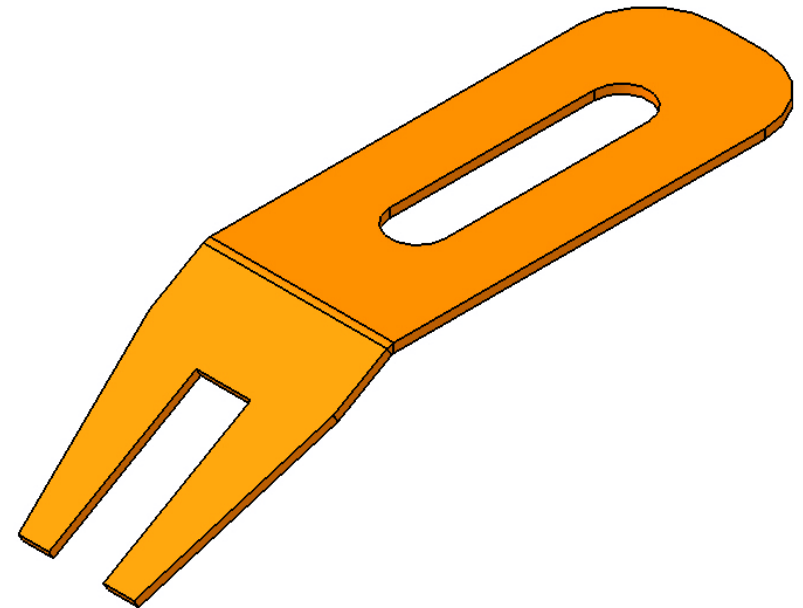
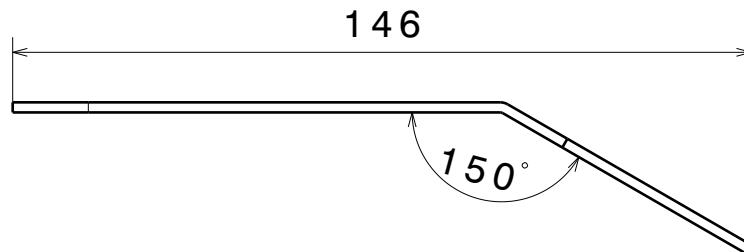
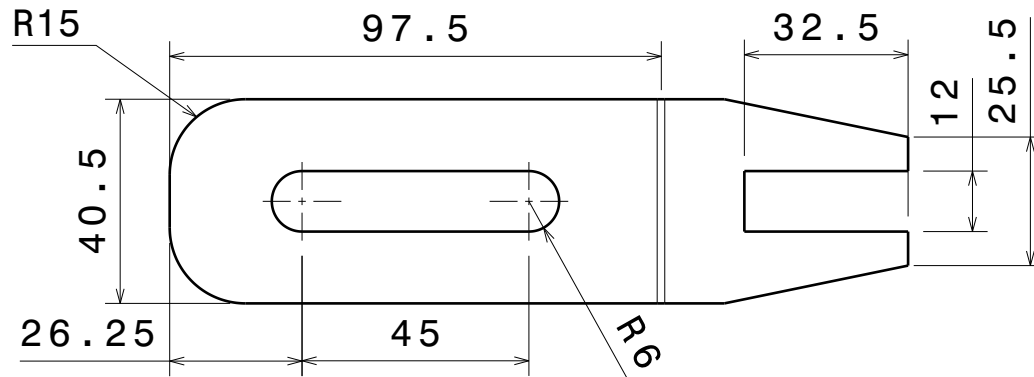
SHEETMETAL EXERCISE - 14

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SHEET
1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



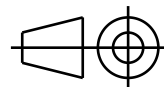
Sheet Thickness: 2mm
Bend Radius: 1mm

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 15

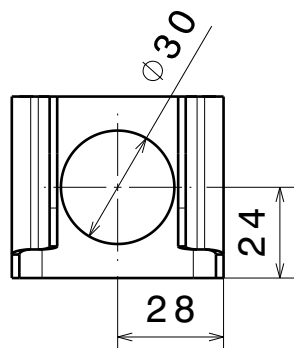
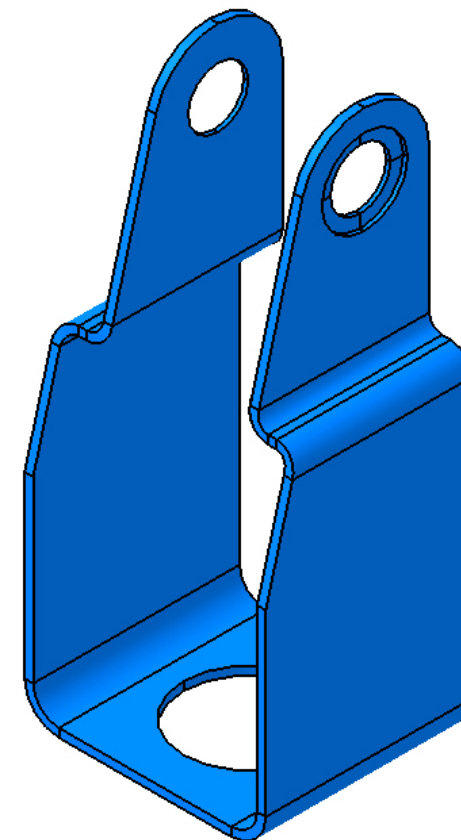
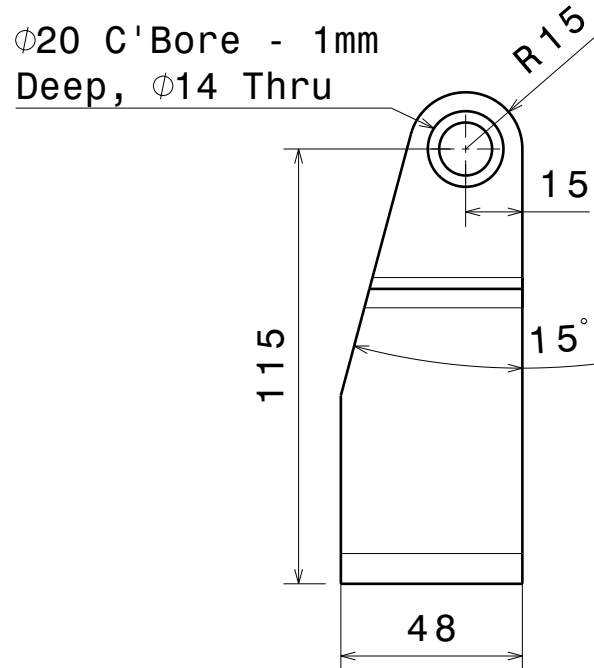
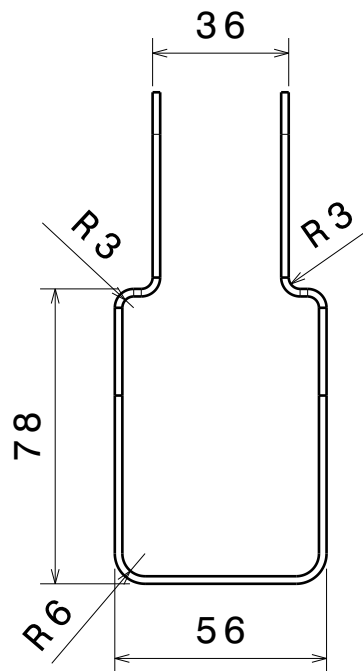
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SHEET

1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Sheet Thickness: 2mm

DESIGNED BY: Lakshmi Sharath.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A4	
SCALE	WEIGHT (kg)

ENGINEERING CAD CAM CAE

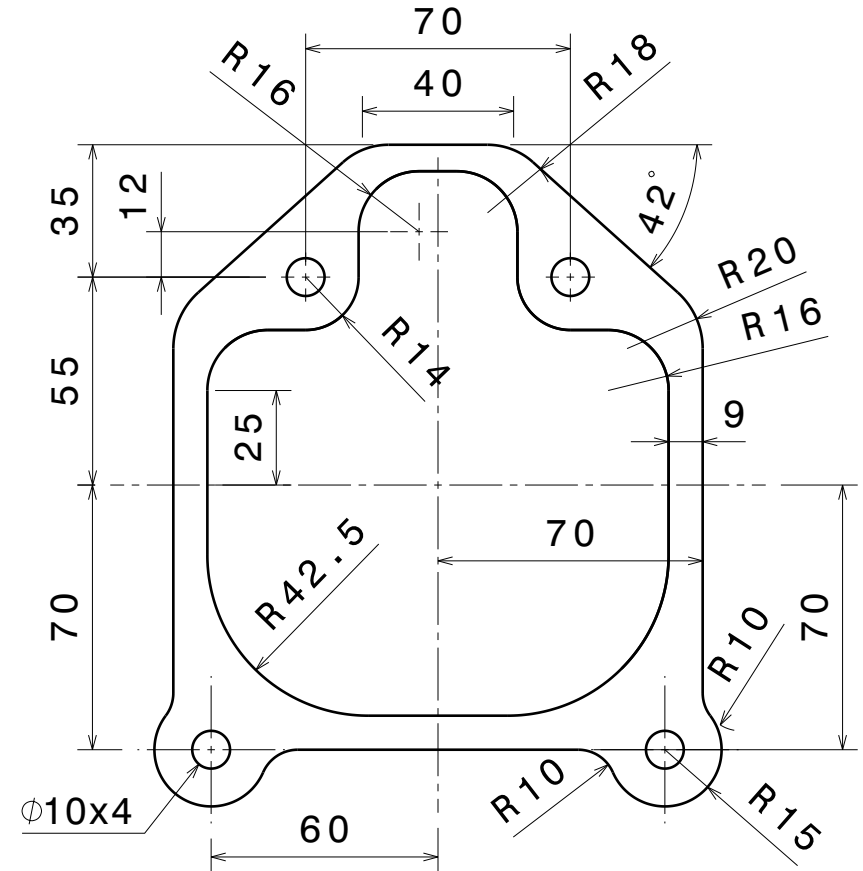
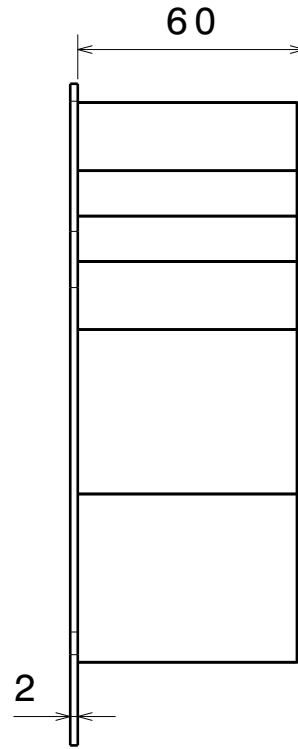
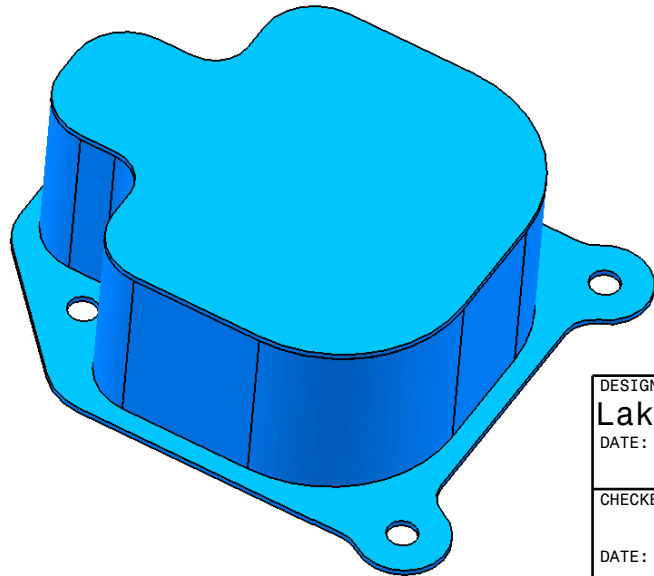
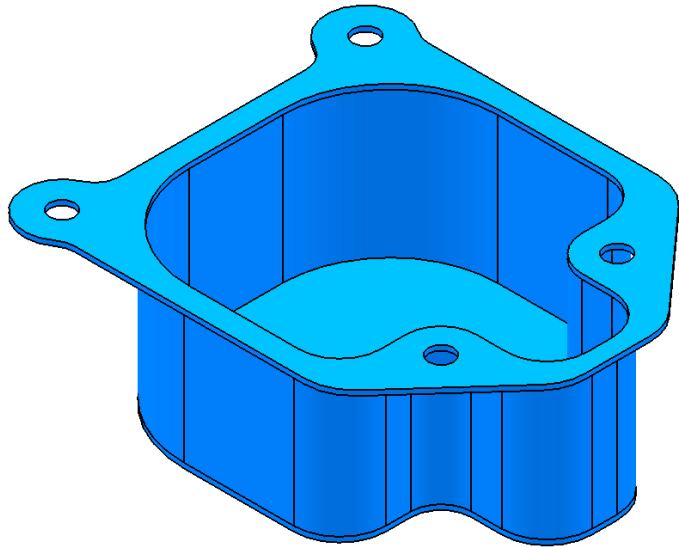
SHEETMETAL EXERCISE - 16

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SHEET
1 / 1

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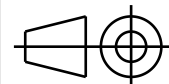
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 17

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SHEET
1 / 1

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Sheet Thickness: 2mm

D

C

B

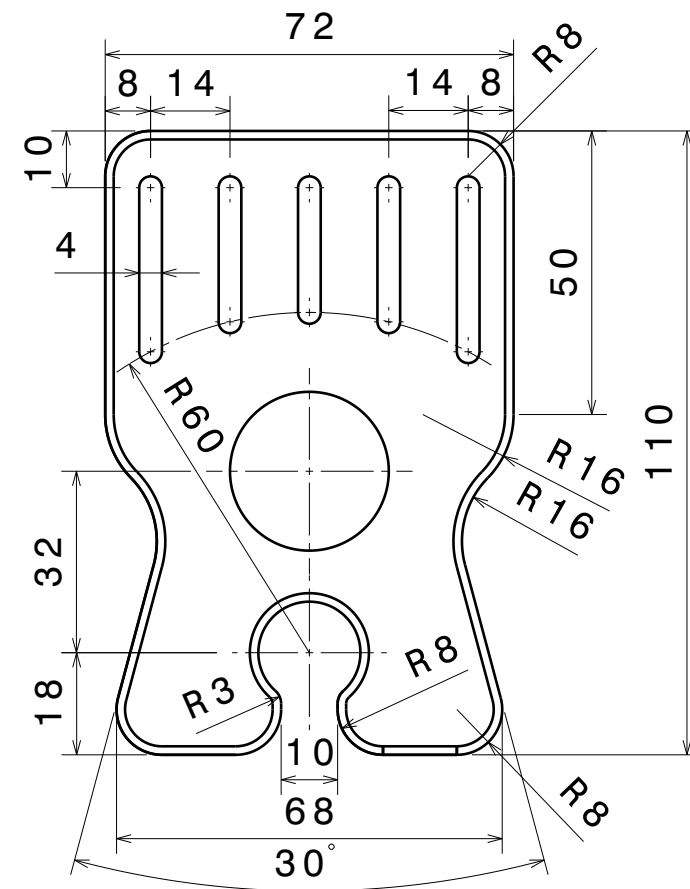
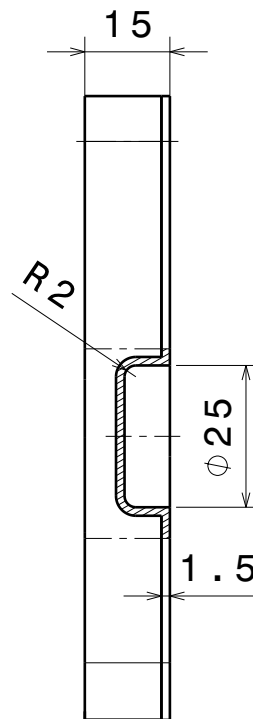
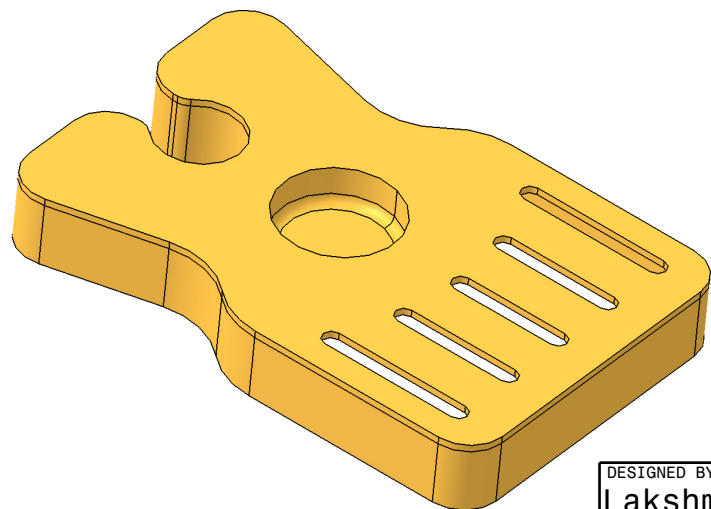
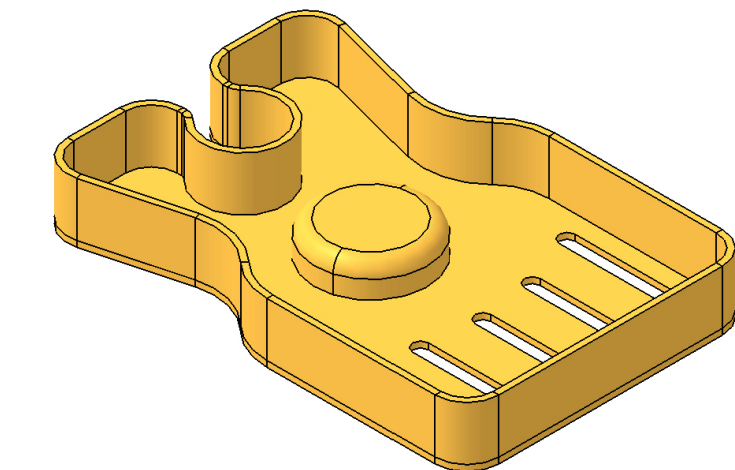
A

4

3

2

1



Sheet Thickness: 1.5 mm

DESIGNED BY:
Lakshmi Sharath.B

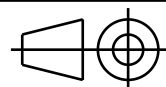
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 18

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

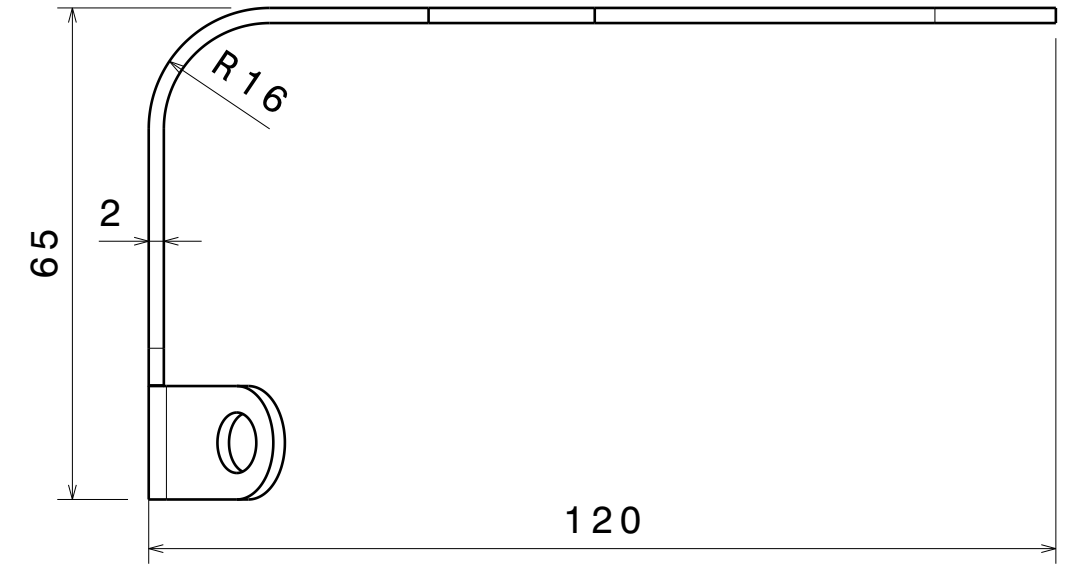
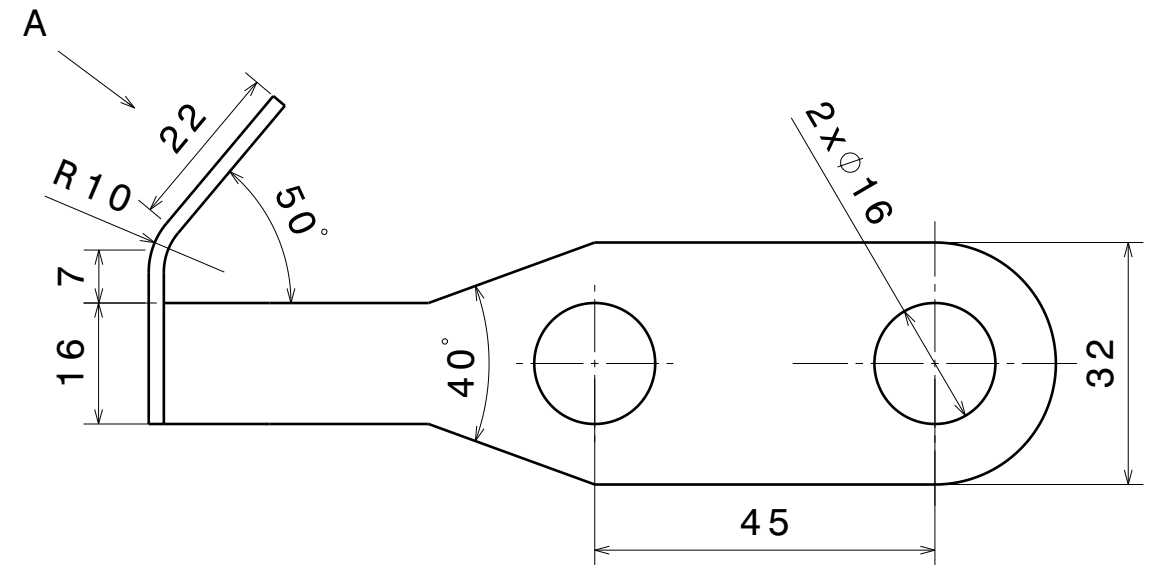
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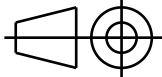
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

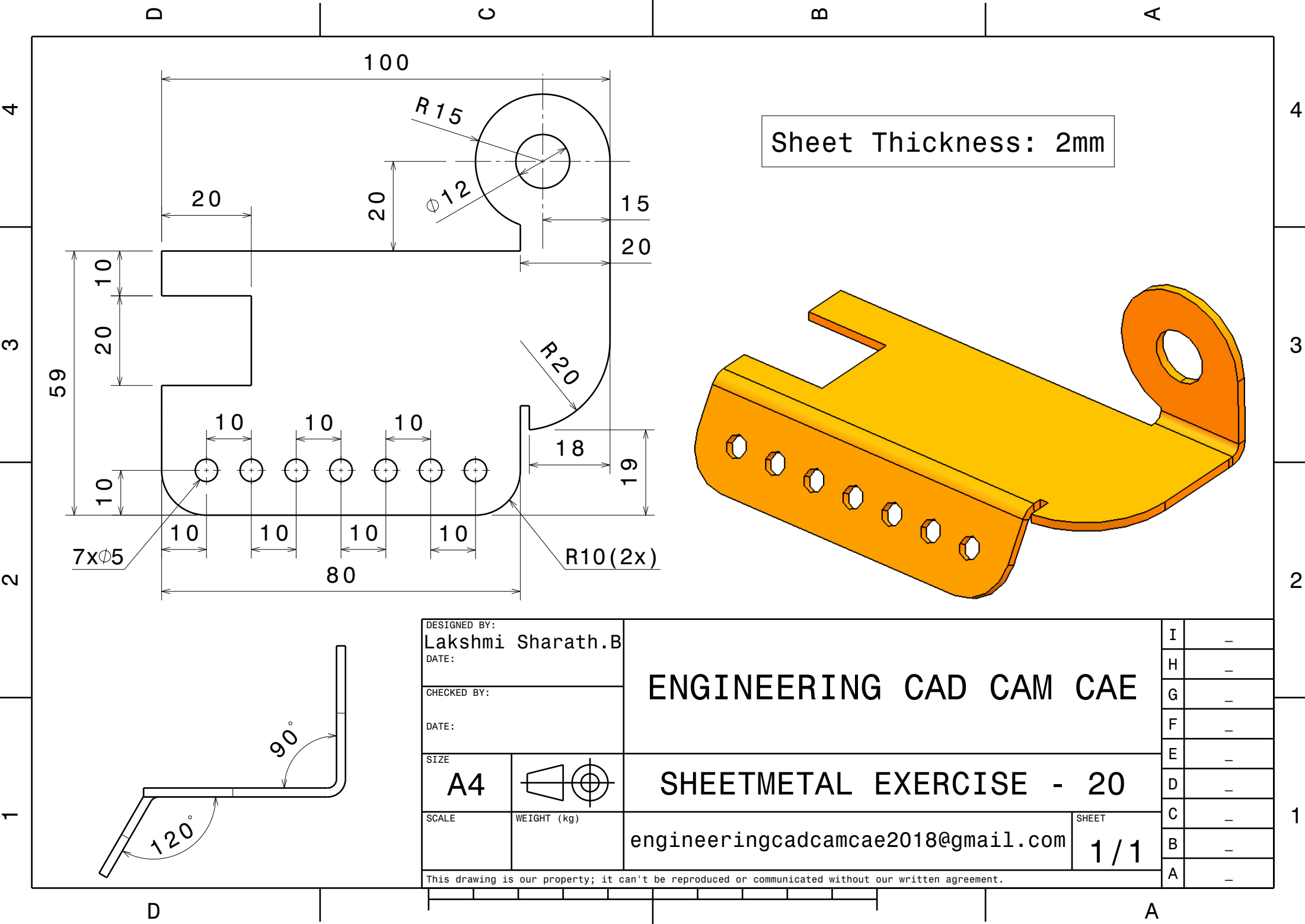
D

A

Sheet Thickness: 2mm



DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY:				H	—
DATE:		SHEETMETAL EXERCISE - 19		G	—
SIZE A3				F	—
		engineeringcadcamcae2018@gmail.com		E	—
SCALE	WEIGHT (kg)			D	—
		SHEET		C	—
				B	—
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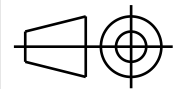
Sheet Thickness: 2mm

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 20

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SHEET
1 / 1

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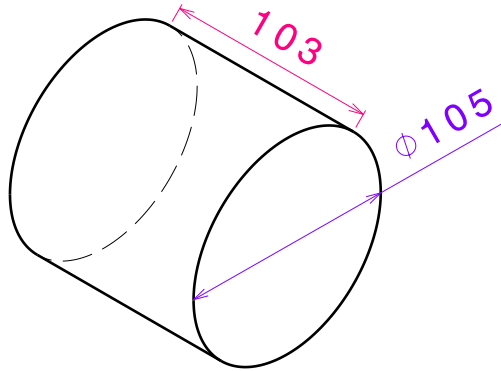
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

ENGINEERING CAD CAM CAE

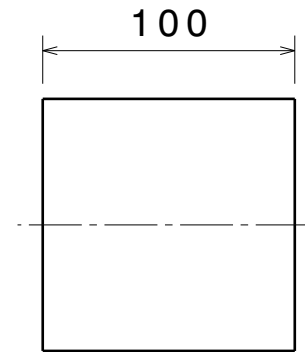
(A Professional Training Institute)

CAM – Turning Practice Drawings

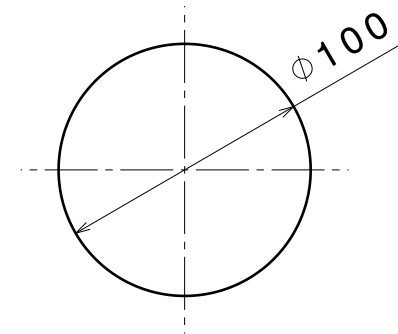
Stock Description: $\phi 105 \times 103$



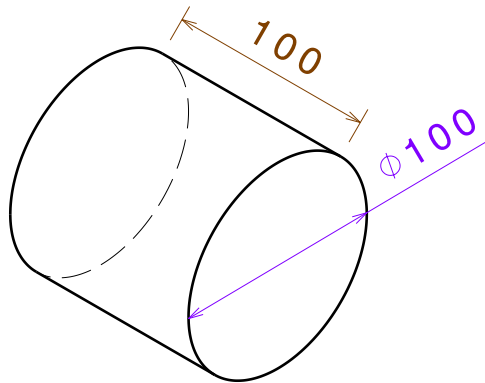
Stock Isometric View



Right view



Front view



Part Isometric view

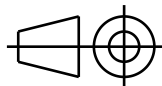
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - FACING

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SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

C

B

A

4

4

3

3

2

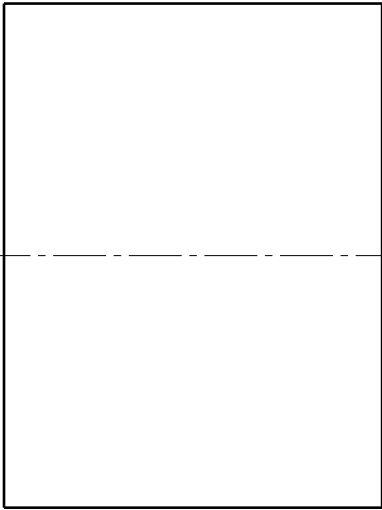
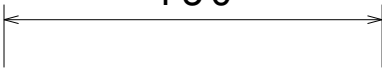
2

1

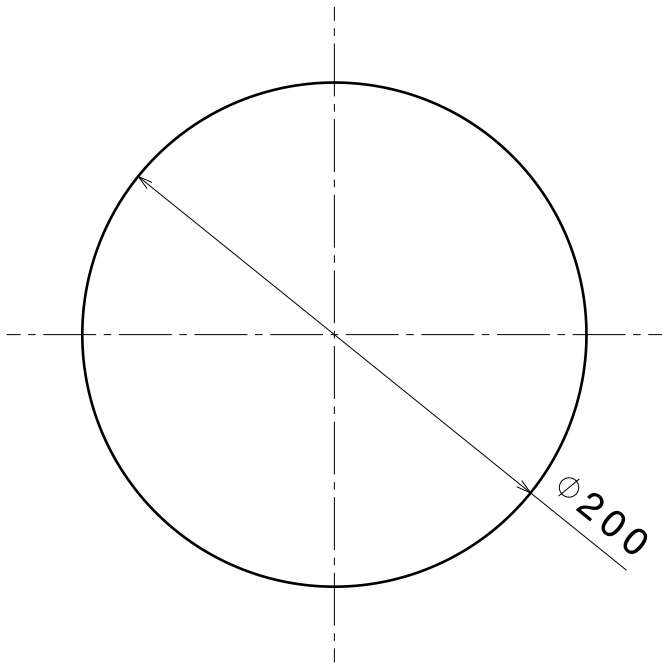
1

Stock Description: $\phi 205 \times \nabla 153$

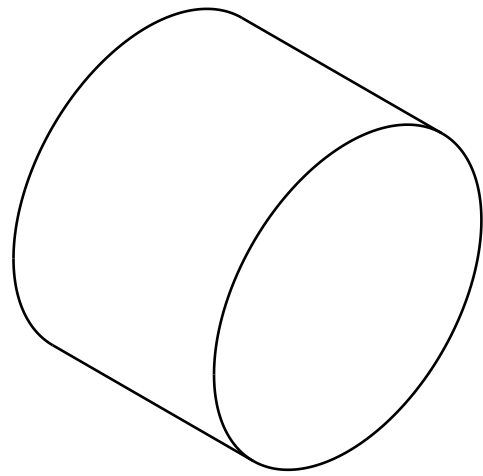
150



Right view



Front view



Isometric view

DESIGNED BY:
Lakshmi Sharath.B

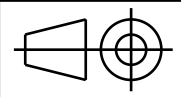
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD TURNING

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SHEET

1 / 1

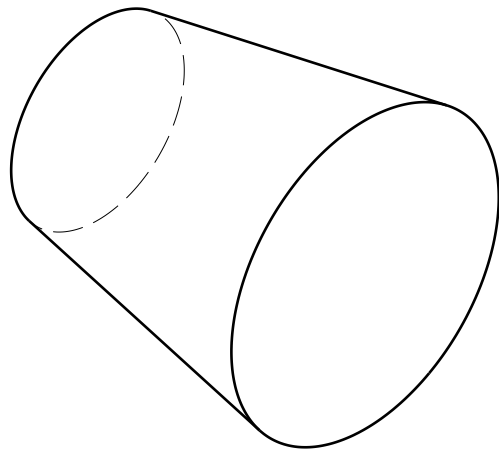
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

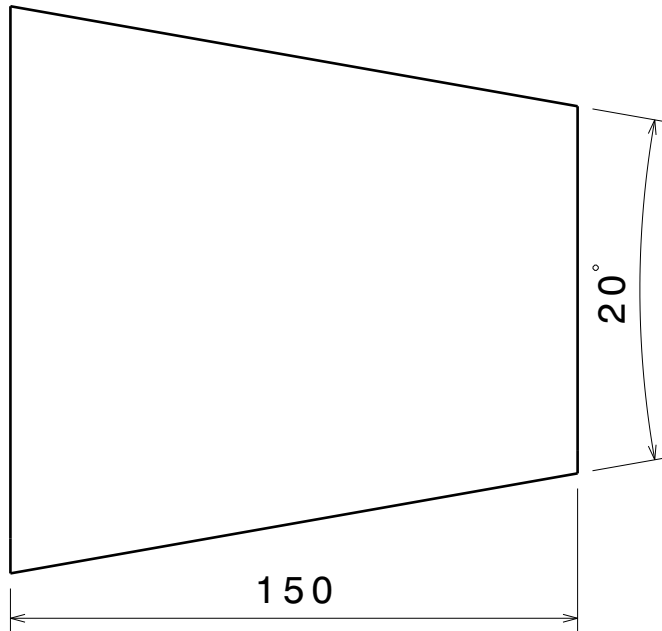
D

A

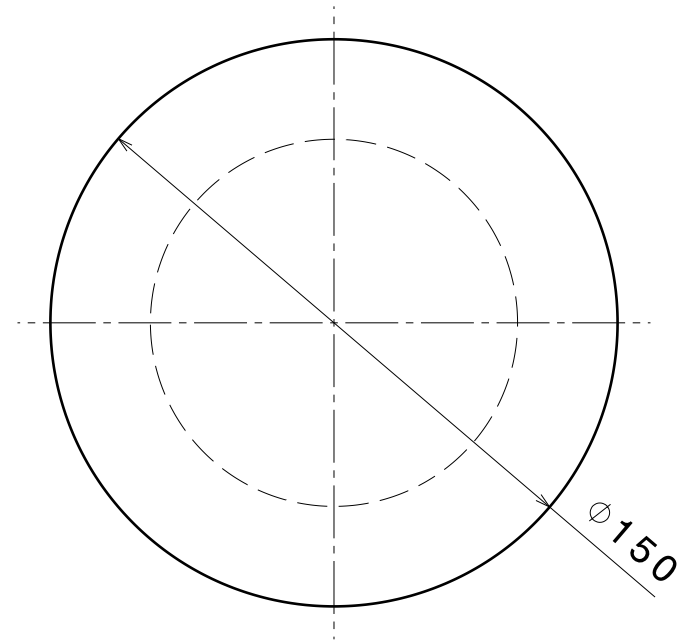
Stock Description:
Ø155x▽153



Isometric view



Right view



Front view

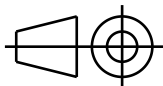
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD TAPER TURNING 1

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SHEET

1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

D

C

B

A

4

4

3

3

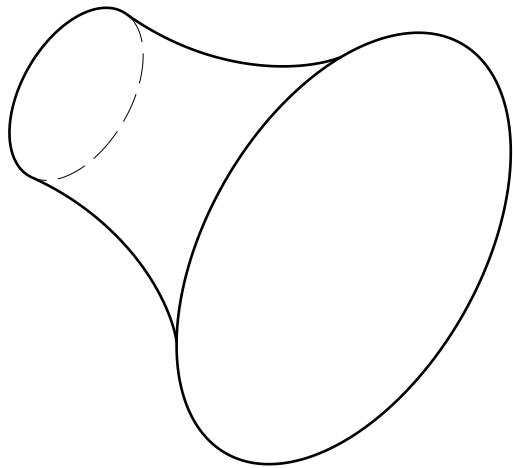
2

2

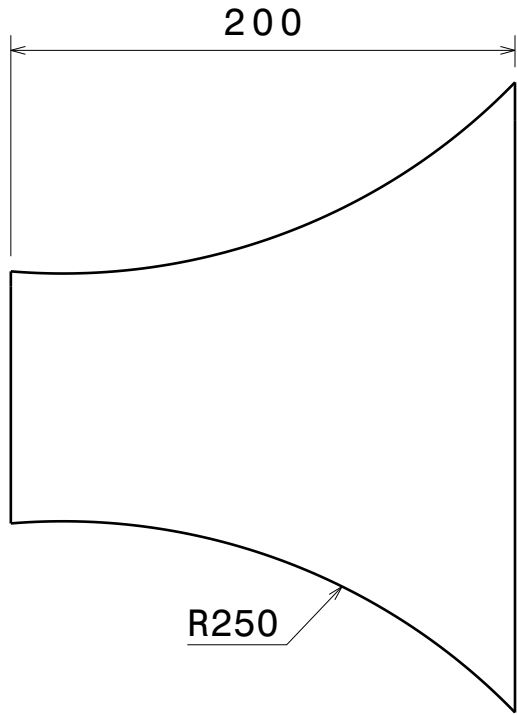
1

1

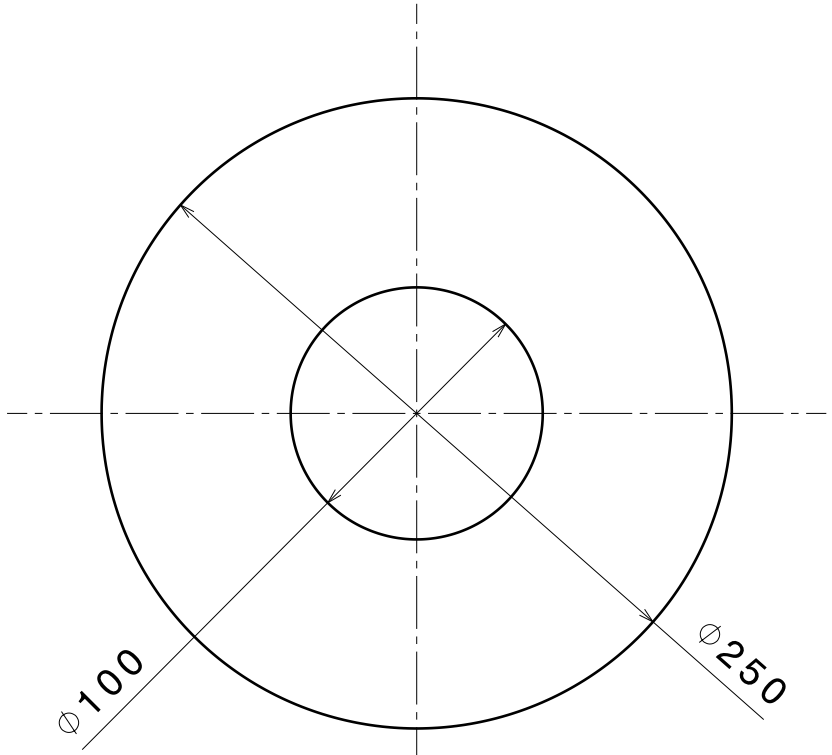
Stock Description:
Ø255x▽203



Isometric view



Right view



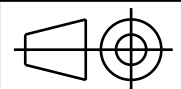
Front view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD TAPER TURNING 2

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SHEET
1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

D

C

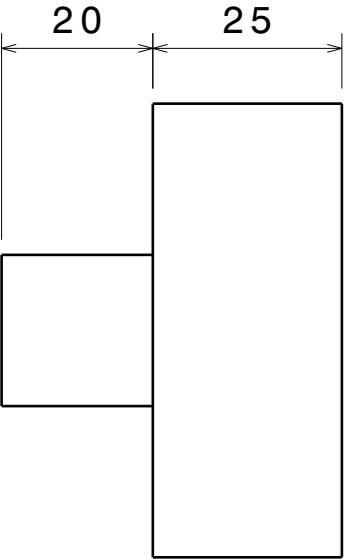
B

A

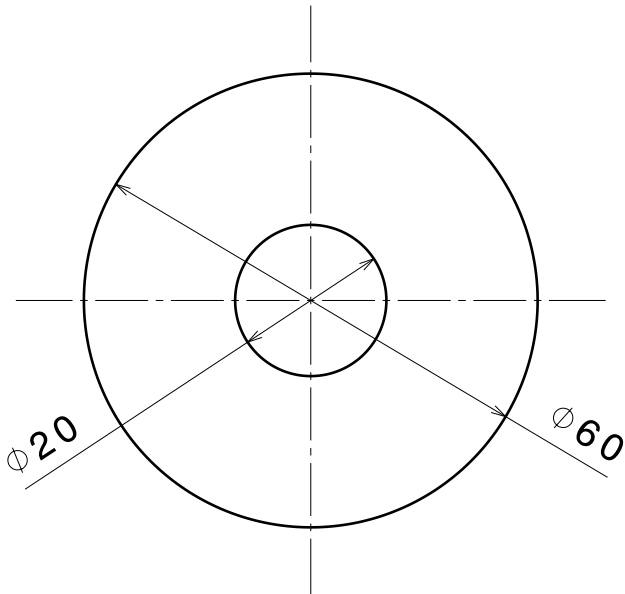
4

4

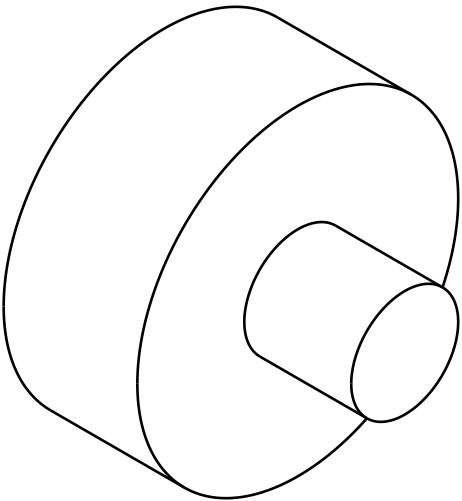
Stock Description: $\phi 65 \times \nabla 48$



Right view



Front view



Isometric view

3

3

2

2

1

1

DESIGNED BY:
Lakshmi Sharath.B
DATE:

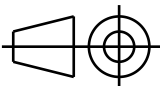
CHECKED BY:

DATE:

SIZE
A4

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD STEP TURNING 1

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

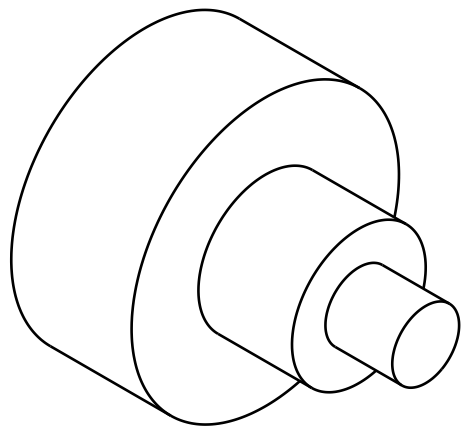
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

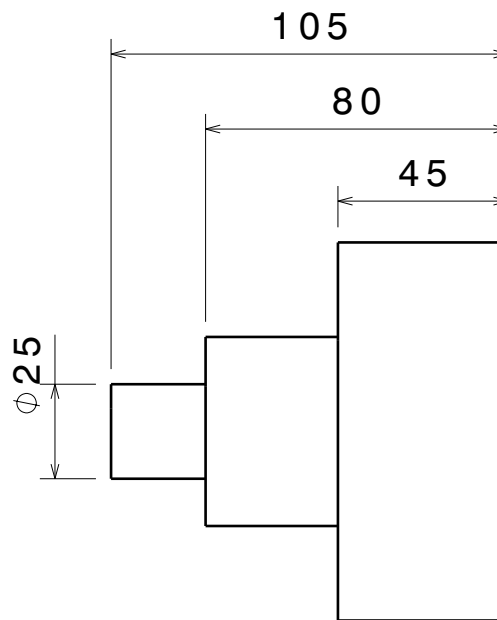
D

A

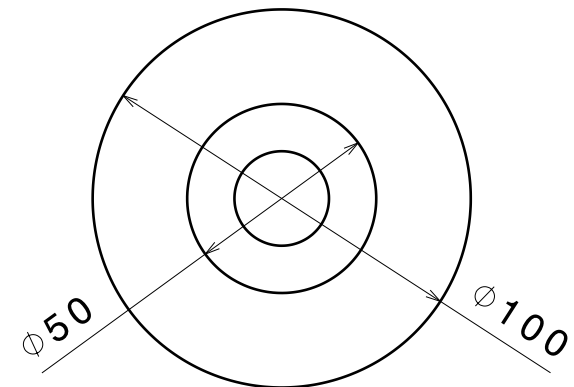
Stock Description: $\phi 105 \times \nabla 108$



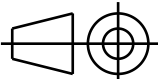
Isometric view



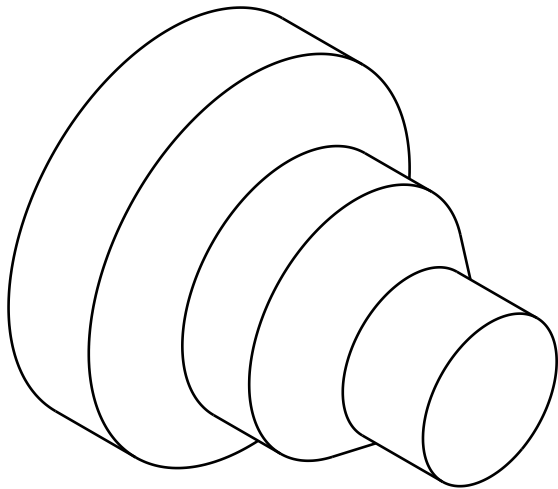
Right view



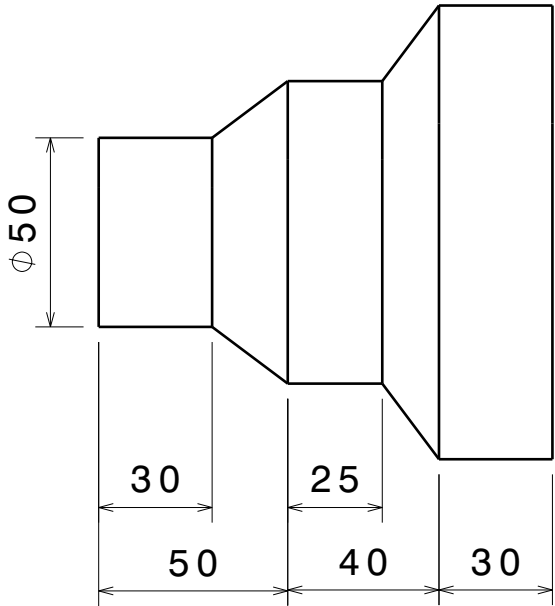
Front view

DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY: DATE:				H	—
				G	—
		F	—		
		E	—		
SIZE A4		CAM TURNING EXERCISE - OD STEP TURNING 2		D	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		C	—
				B	—
		1 / 1		A	—
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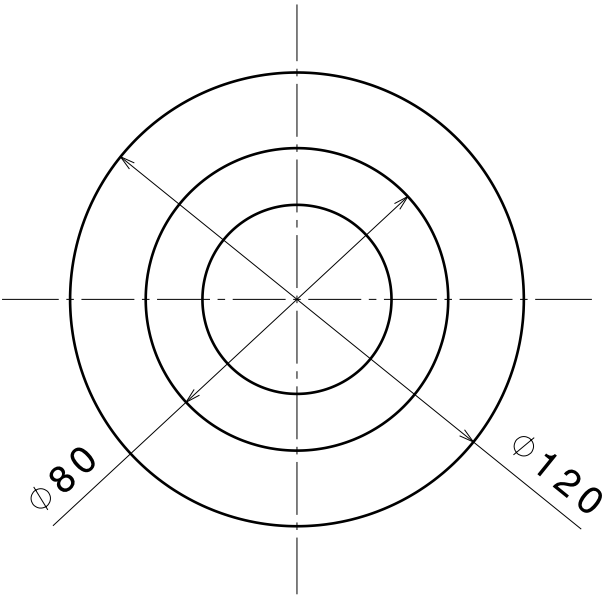
Stock Description: $\phi 125 \times \nabla 123$



Isometric view



Right view



Front view

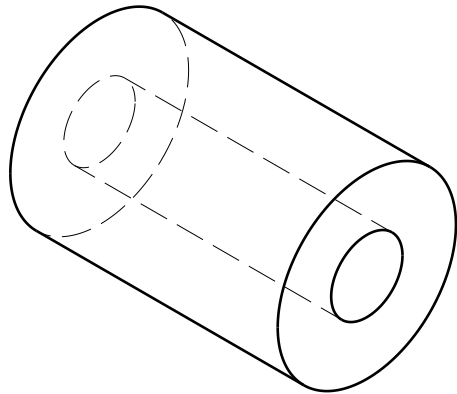
DESIGNED BY: Lakshmi Sharath.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A4	
SCALE	WEIGHT (kg)

ENGINEERING CAD CAM CAE	
CAM TURNING EXERCISE - OD STEP TURNING 3	
engineeringcadcamcae2018@gmail.com	1 / 1

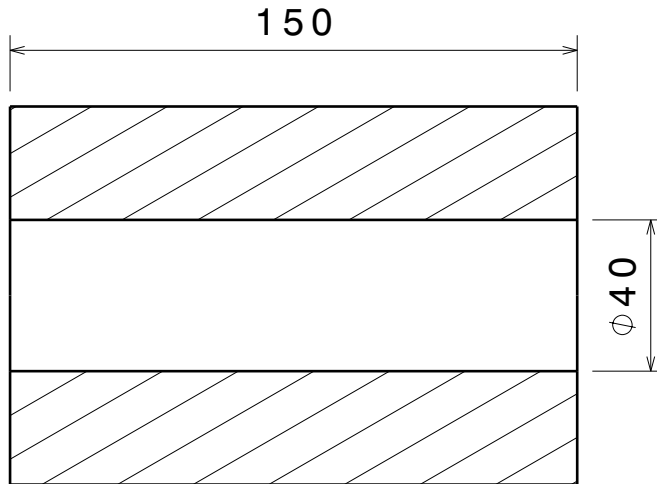
I	-
H	-
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D	-
C	-
B	-
A	-

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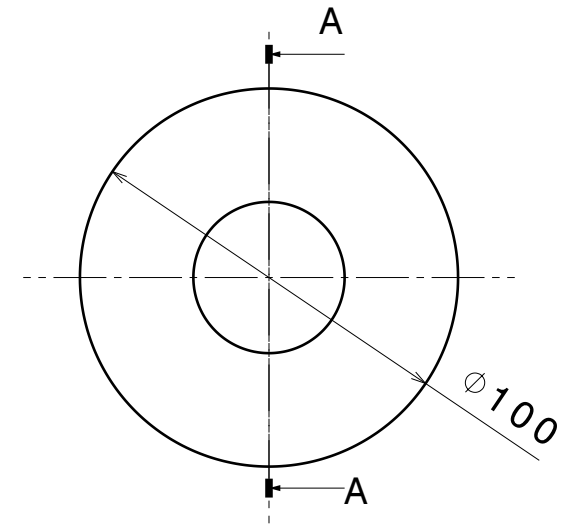
Stock Description: $\phi 105 \times \nabla 153$



Isometric view



Section view A-A



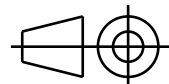
Front view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - DRILLING 01

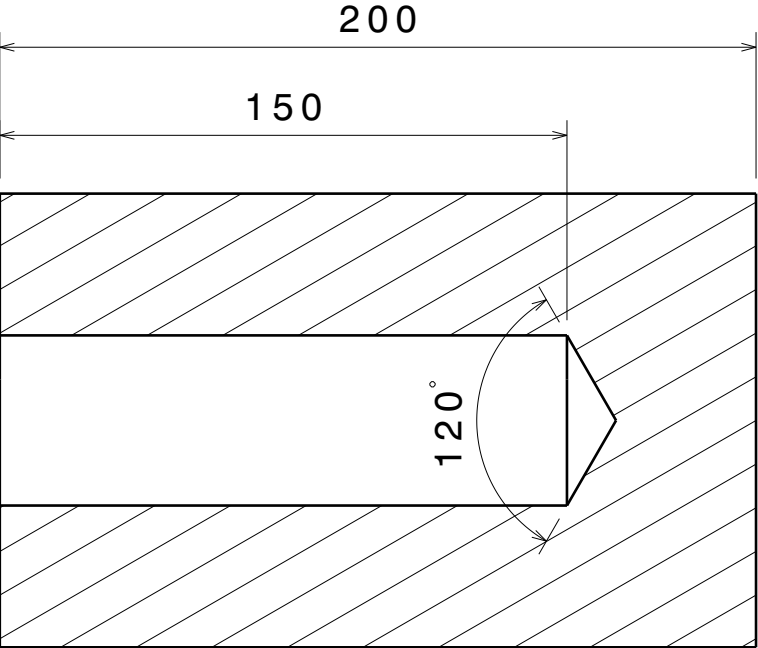
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

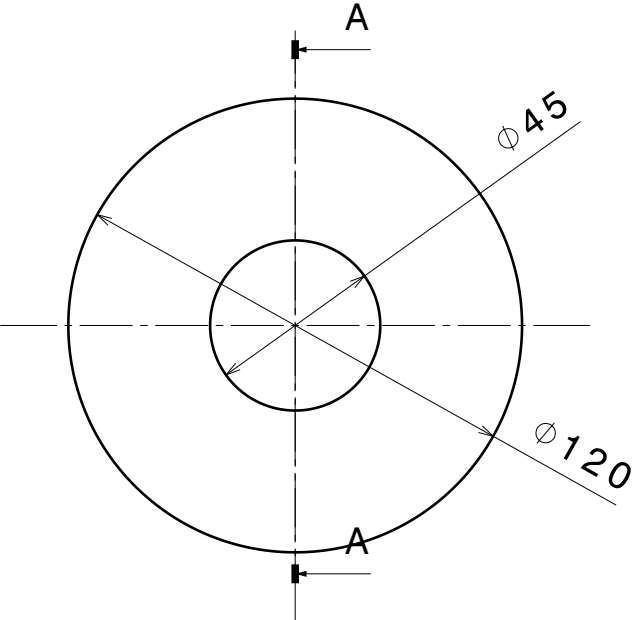
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I	-
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F	-
E	-
D	-
C	-
B	-
A	-

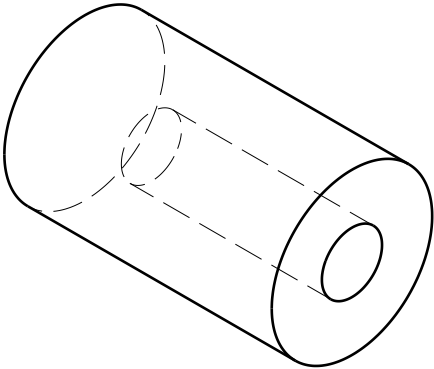
Stock Description:
Ø125x▽203



Section view A-A



Front view



Isometric view

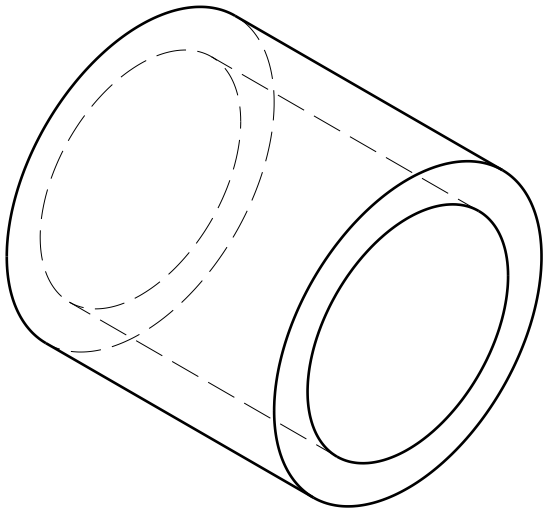
DESIGNED BY: Lakshmi Sharath.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A4	
SCALE	WEIGHT (kg)

ENGINEERING CAD CAM CAE	
CAM TURNING EXERCISE - DRILLING 02	
engineeringcadcamcae2018@gmail.com	
SHEET 1 / 1	

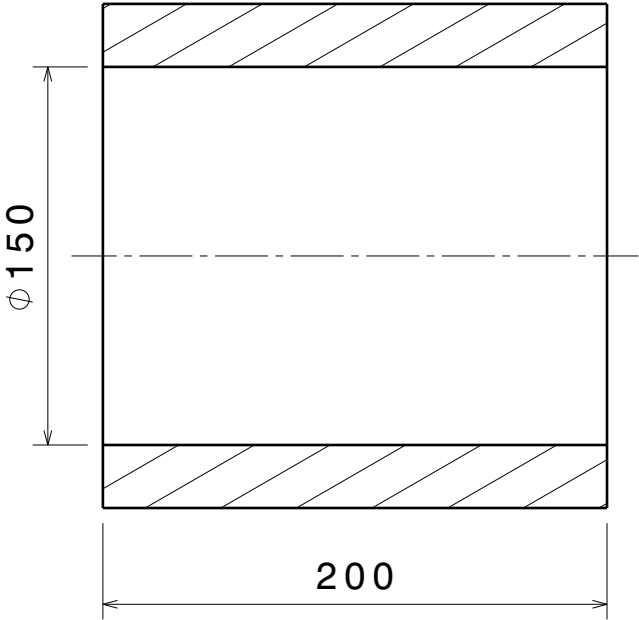
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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B	-
A	-

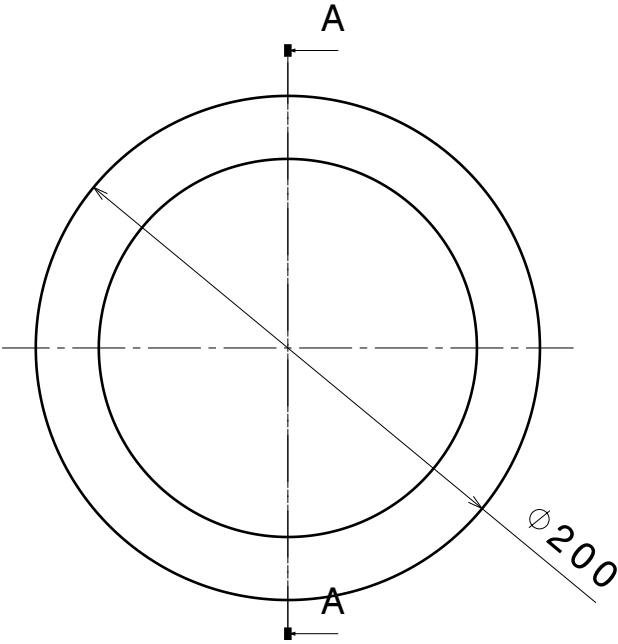
Stock Description:
Ø205x▽203



Isometric view



Section view A-A



Front view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

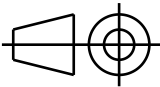
CHECKED BY:

DATE:

SIZE
A4

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - ID TURNING

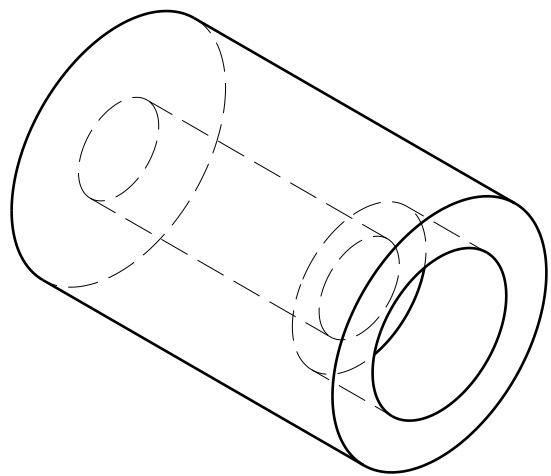
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

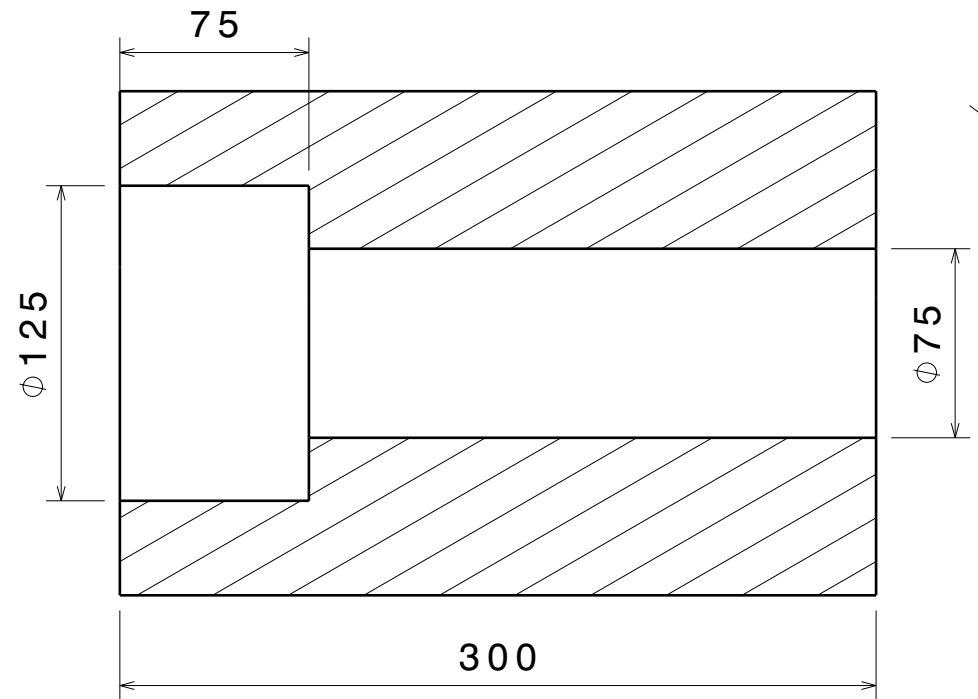
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
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C	-
B	-
A	-

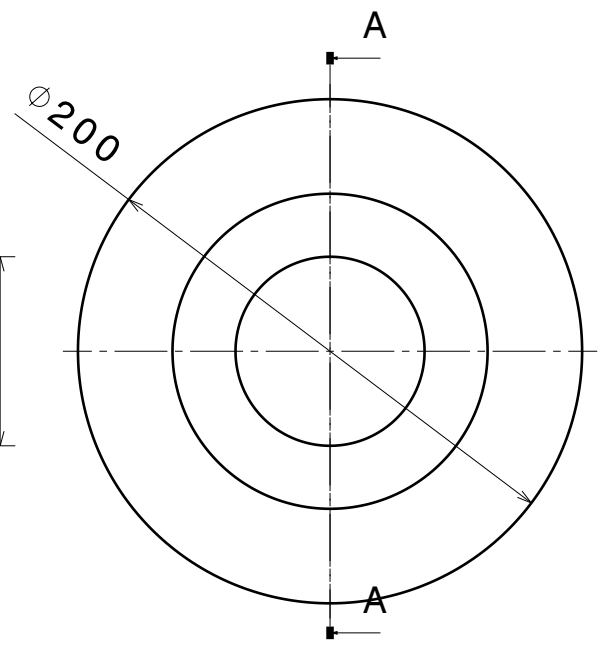
Stock
Description:
Ø205x▽303



Isometric view



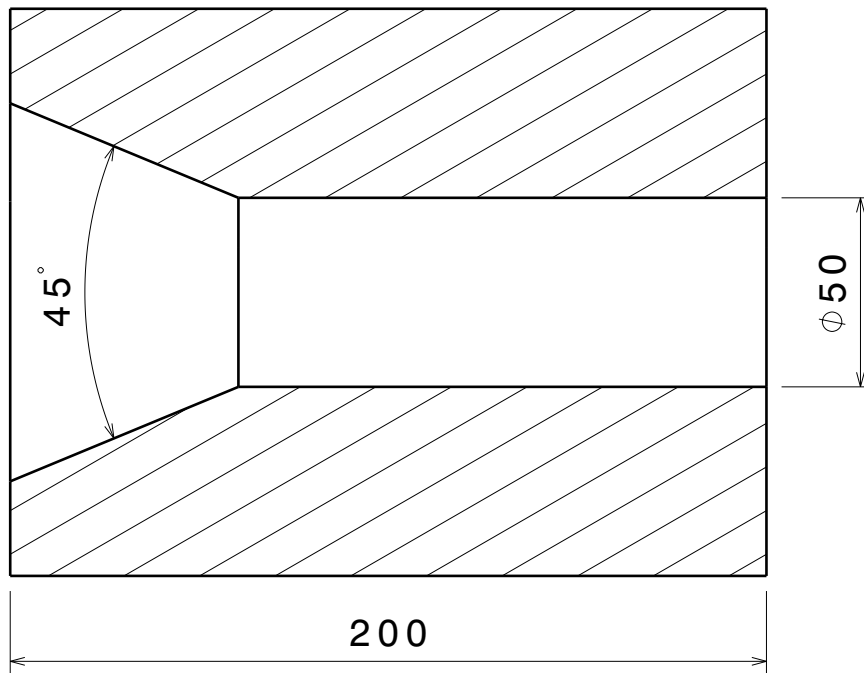
Section view A-A



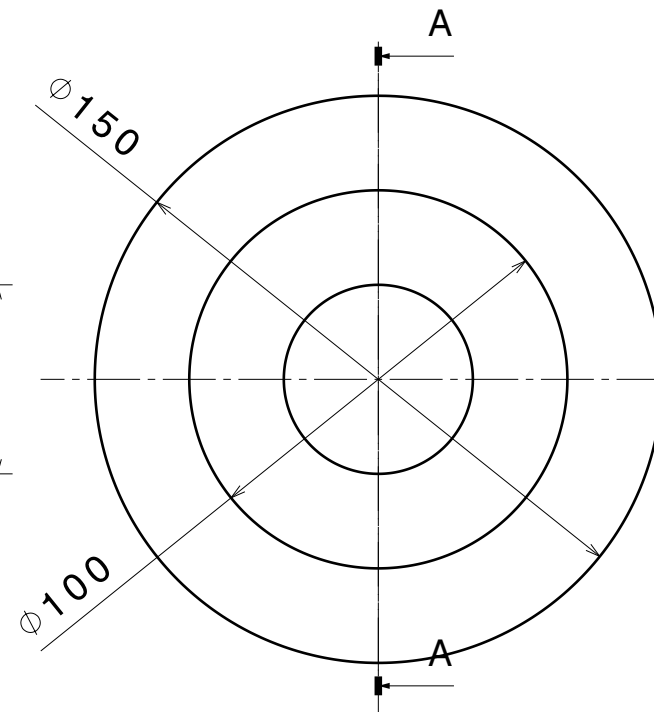
Front view

DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE		I	-
DATE:				H	-
CHECKED BY:				G	-
DATE:				F	-
SIZE A4		CAM TURNING EXERCISE - ID STEP TURNING		E	-
SCALE	WEIGHT (kg)			D	-
		engineeringcadcamcae2018@gmail.com		C	-
				B	-
		SHEET 1 / 1		A	-
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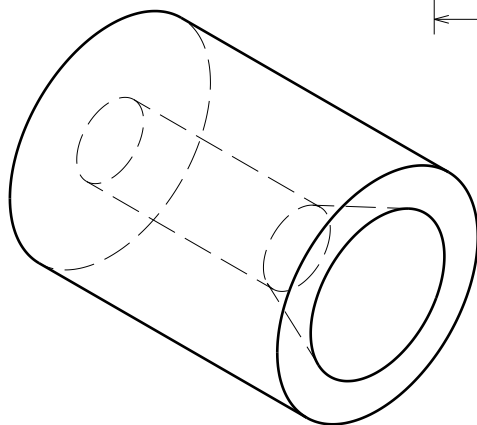
Stock
Description:
Ø155x▽203



Section view A-A



Front view



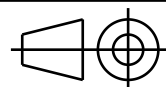
Isometric view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE- ID TAPER TURNING 1

engineeringcadcamcae2018@gmail.com

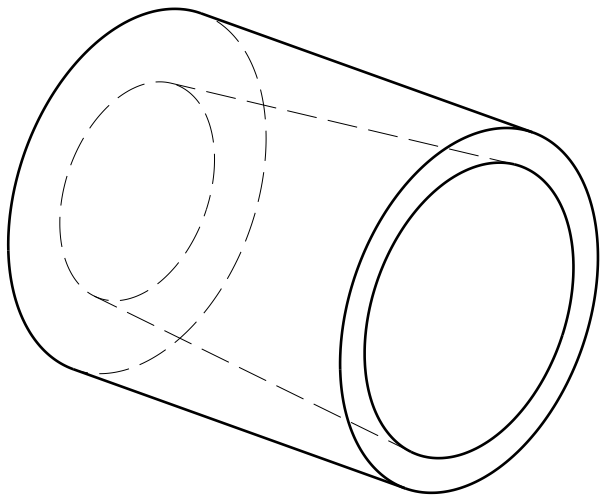
SHEET

1 / 1

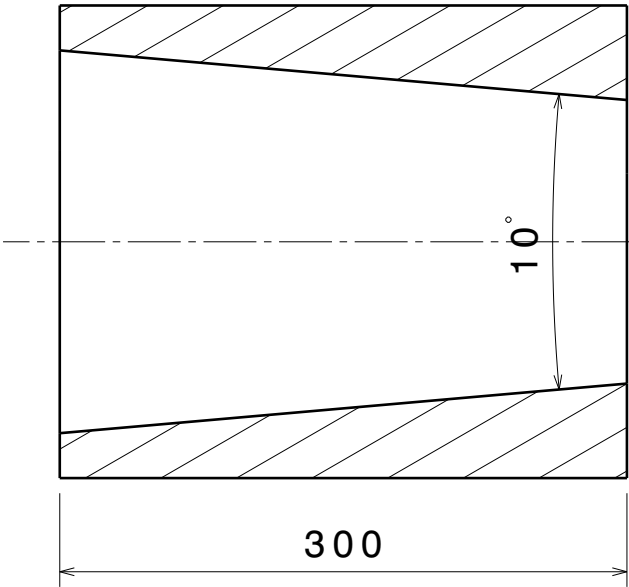
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I	-
H	-
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F	-
E	-
D	-
C	-
B	-
A	-

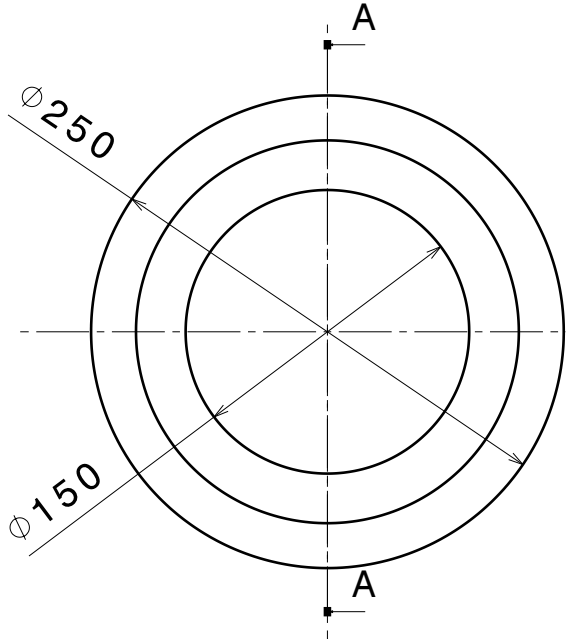
Stock Description: $\phi 255 \times \nabla 303$



Isometric view



Section view A-A



Front view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

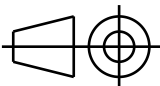
CHECKED BY:

DATE:

SIZE
A4

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE- ID TAPER TURNING 2

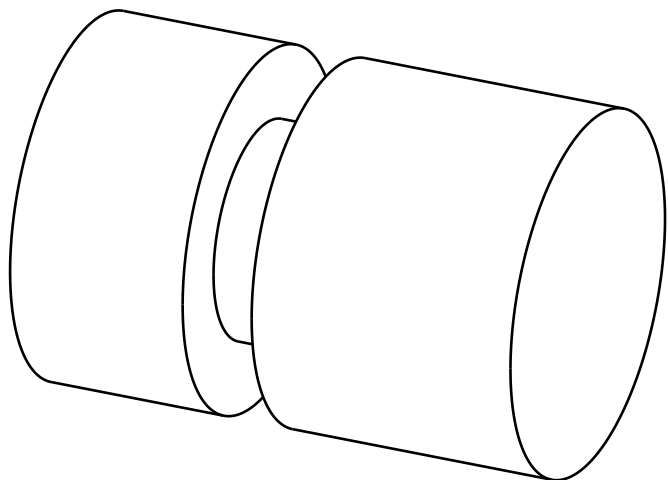
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

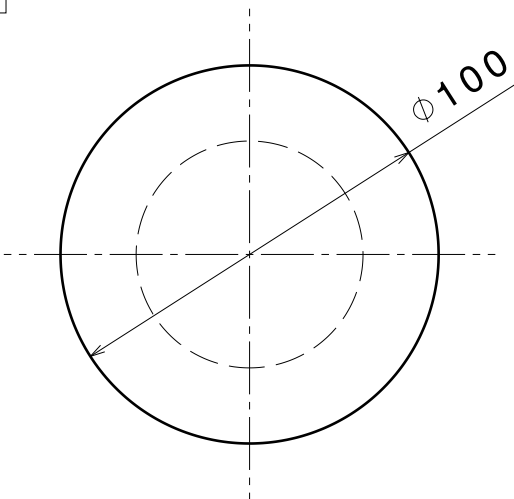
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

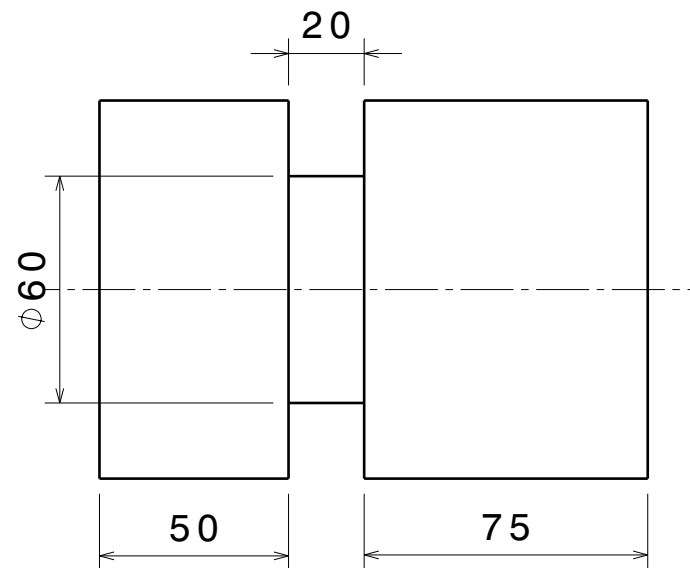
Stock Description: $\phi 105 \times \nabla 148$



Isometric view



Front view



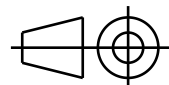
Left view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD GROOVE

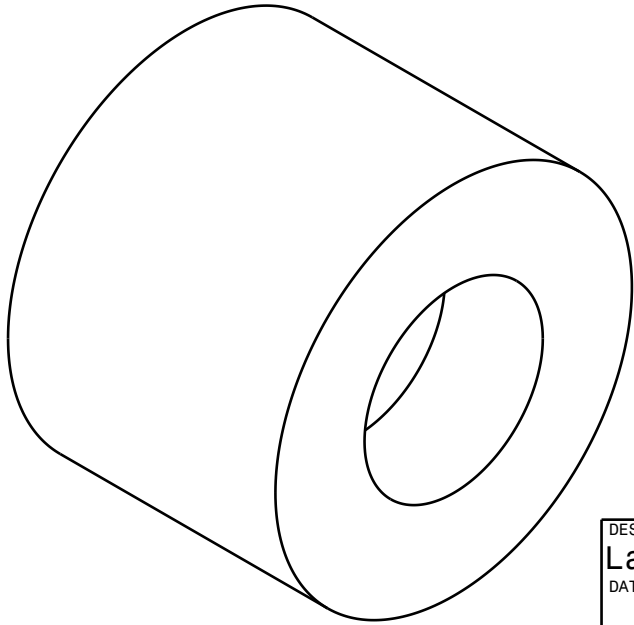
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

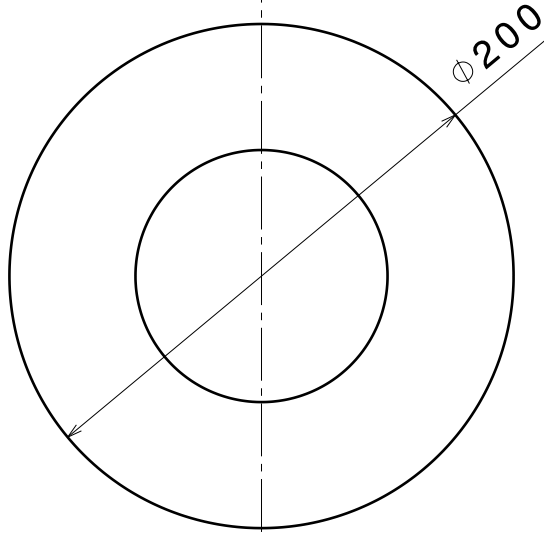
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

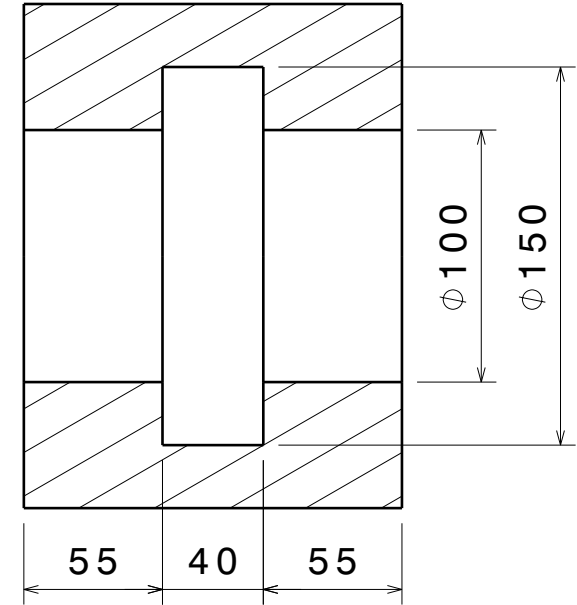
Stock Description: $\phi 205 \times 153$



Isometric view



Front view



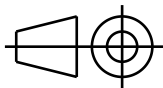
Section view A-A

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - ID GROOVE

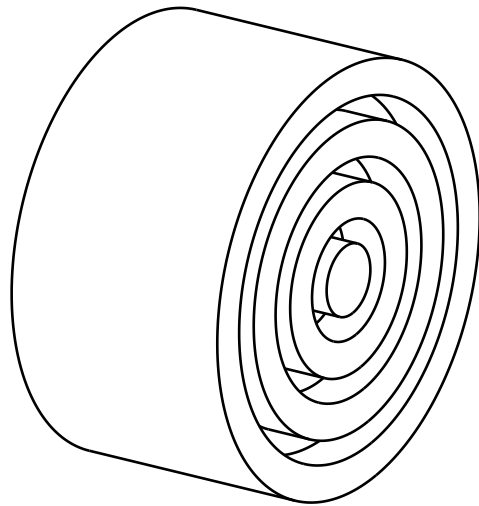
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

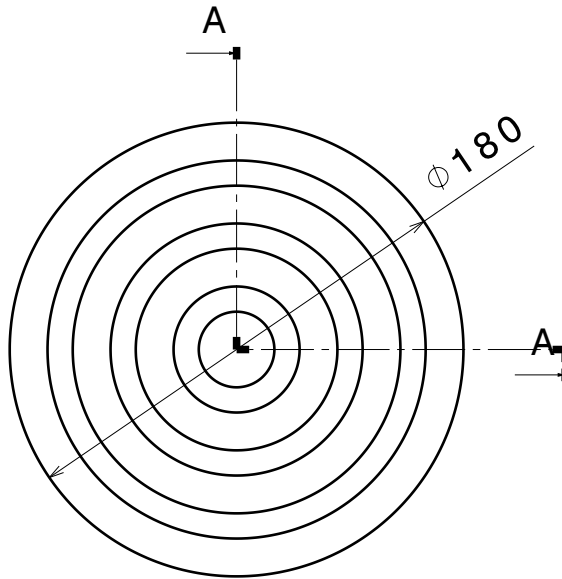
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

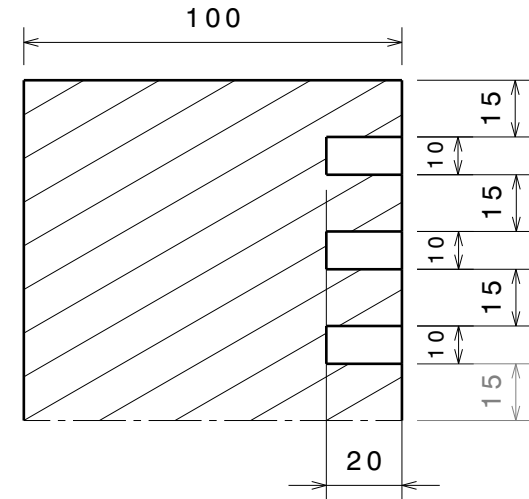
Stock Description: $\phi 185 \times \nabla 105$



Isometric view
Scale: 1:3



Front view
Scale: 1:3



Section view A-A
Scale: 1:2

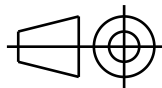
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - FACE GROOVE

engineeringcadcamcae2018@gmail.com

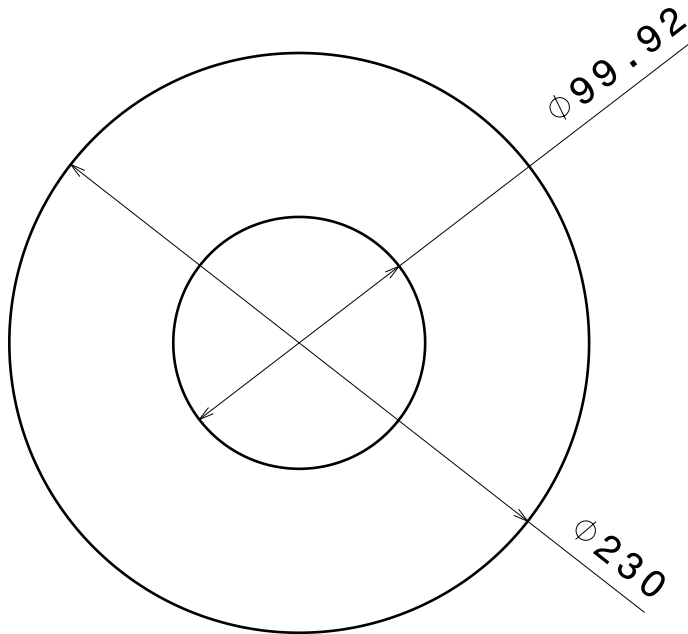
SHEET

1 / 1

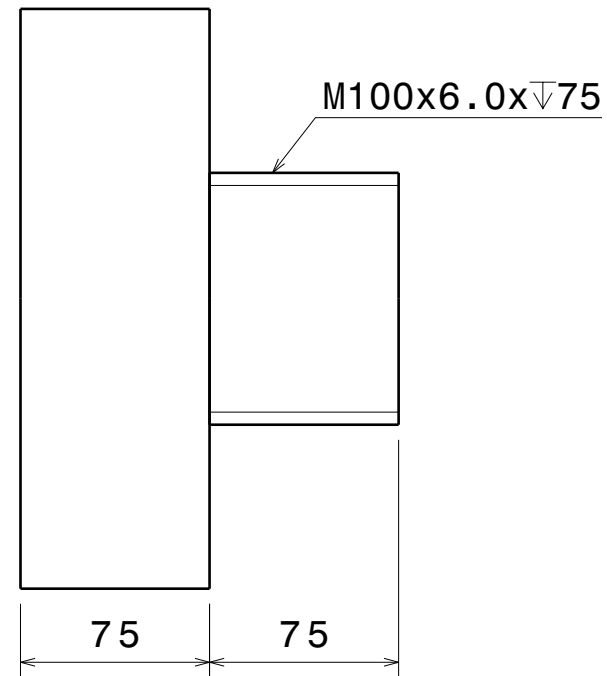
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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

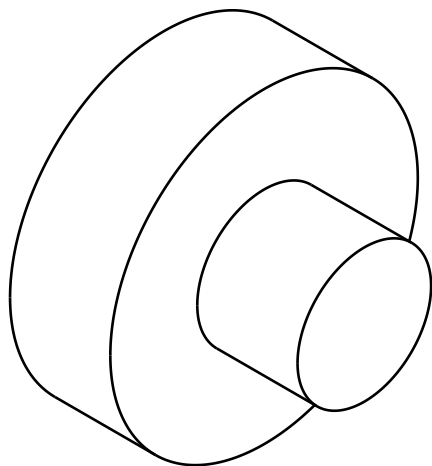
Stock Description: $\phi 235 \times \nabla 153$



Front view



Left view



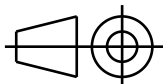
Isometric view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD THREAD

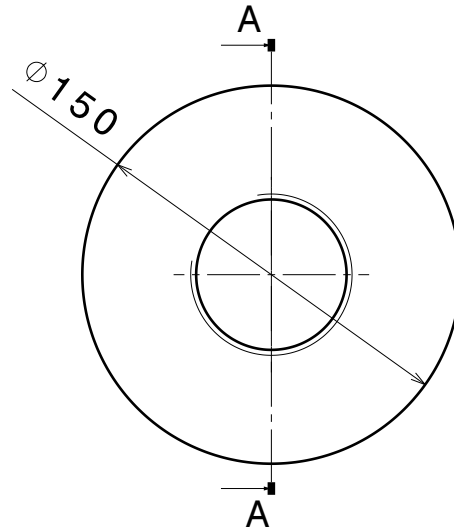
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

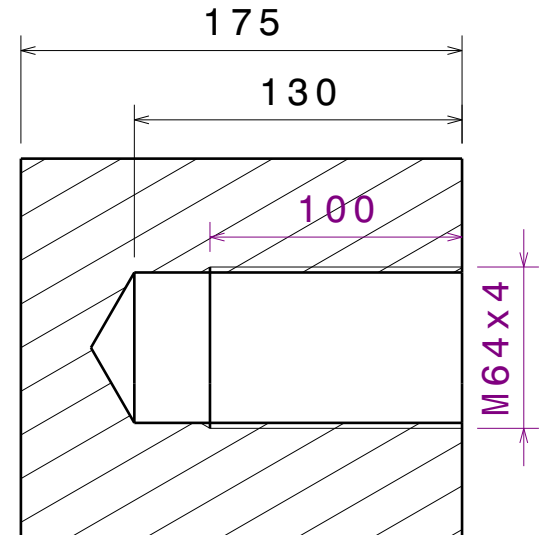
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I	-
H	-
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C	-
B	-
A	-

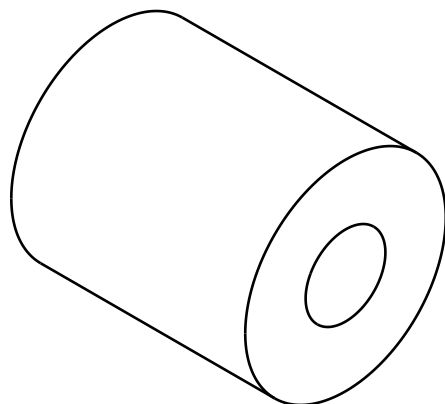
Stock Description: $\phi 152$ x $\nabla 178$



Front view



Section view A-A



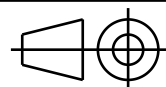
Isometric view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

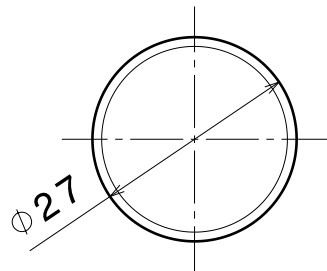
CAM TURNING EXERCISE - ID THREAD

engineeringcadcamcae2018@gmail.com

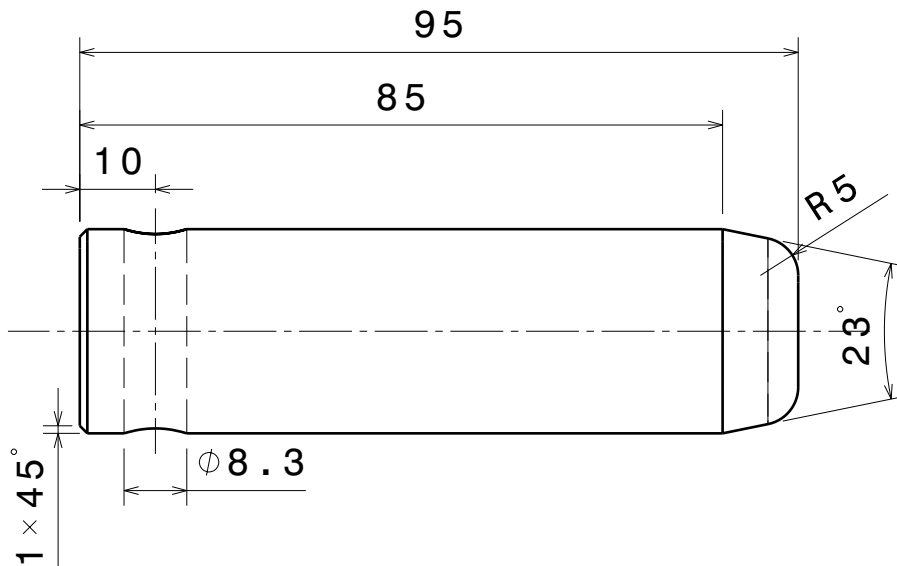
SHEET
1 / 1

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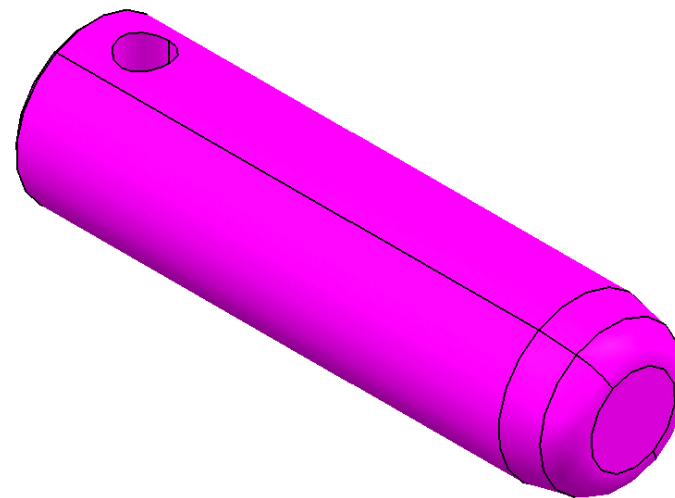
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Right view



Front view



Stock Description:
 $\phi 29 \times \nabla 98$

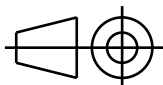
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 01

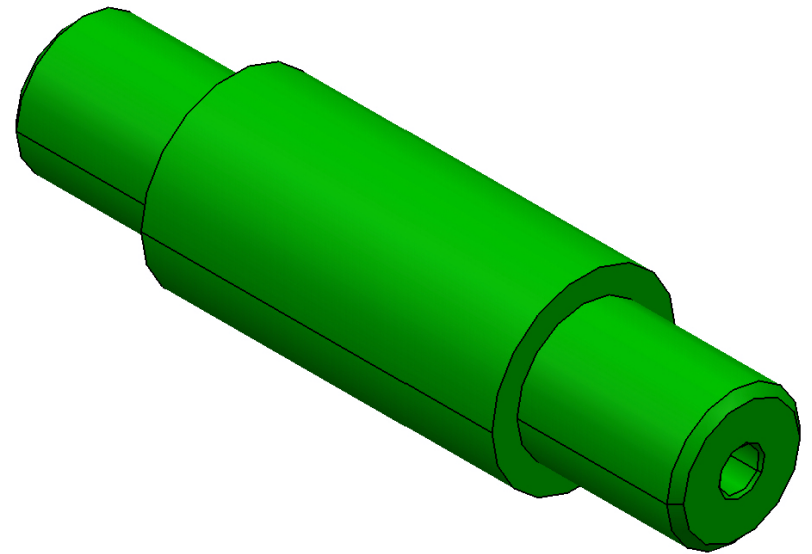
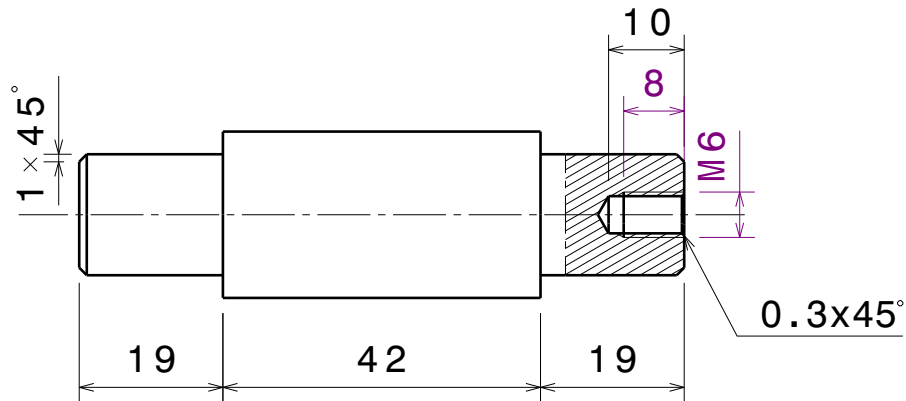
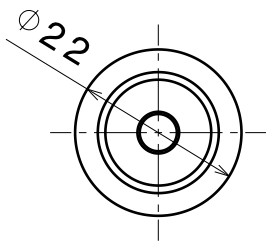
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
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F	—
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D	—
C	—
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A	—

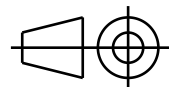


Stock Description: $\phi 25 \times \nabla 83$

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 02

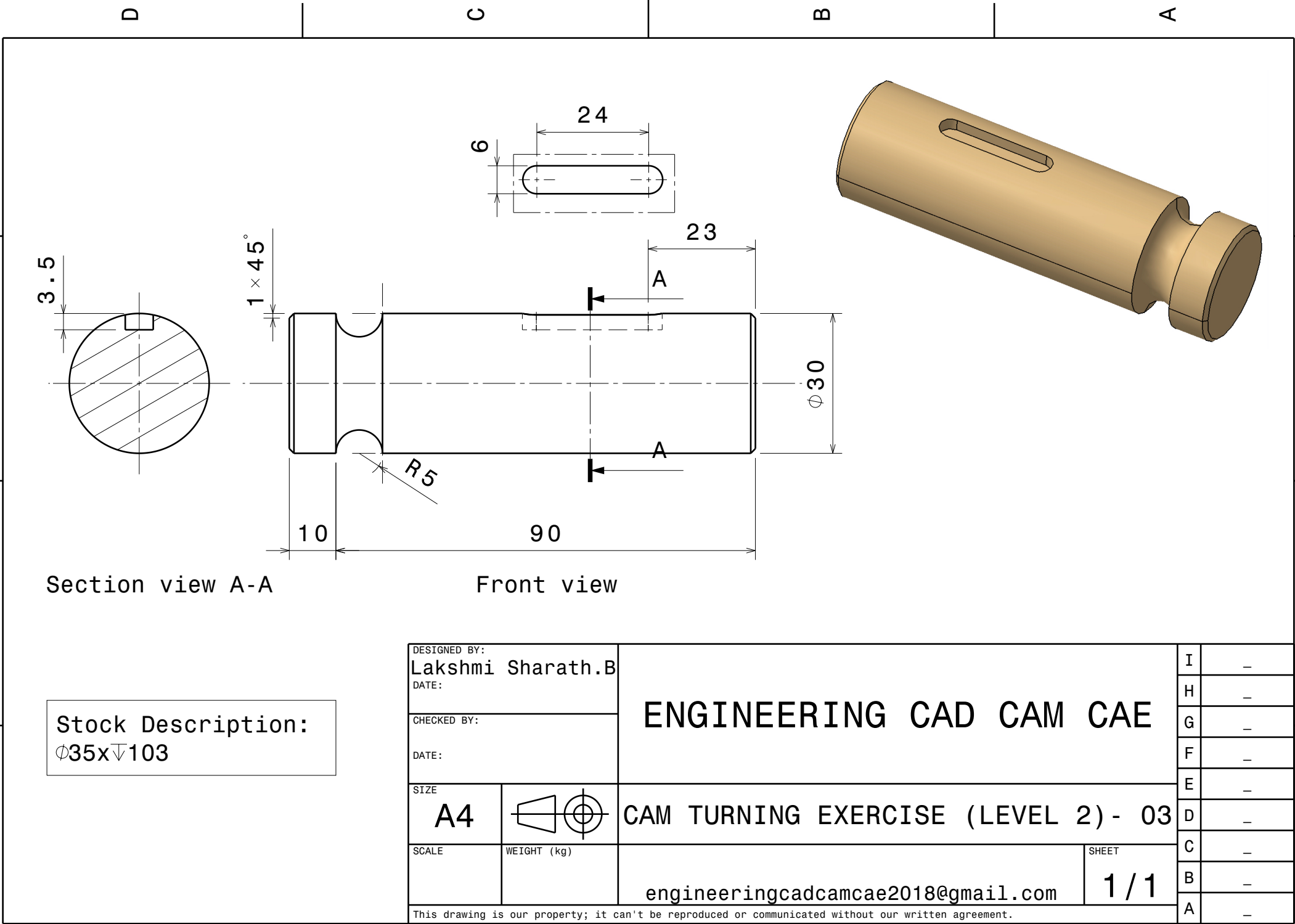
engineeringcadcamcae2018@gmail.com

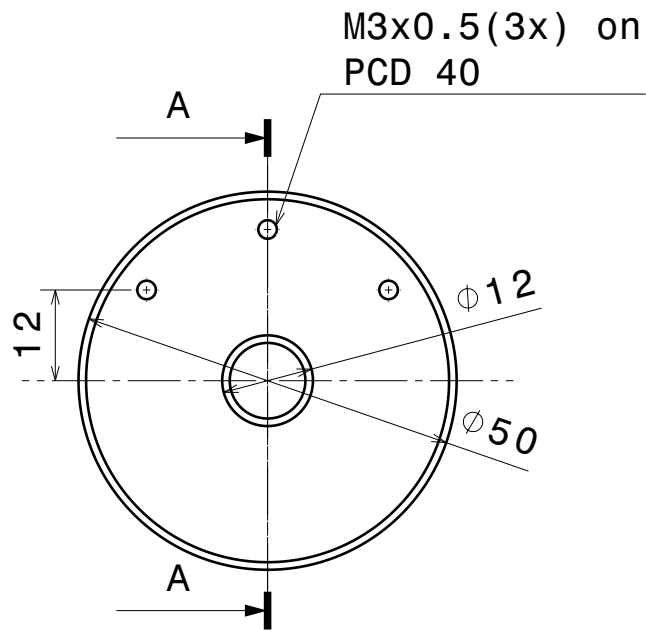
SHEET

1 / 1

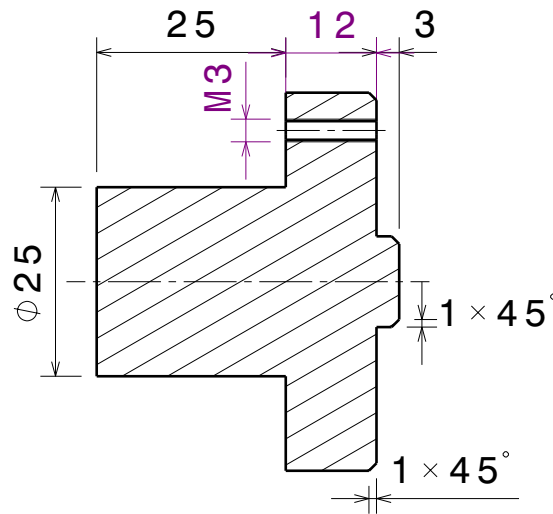
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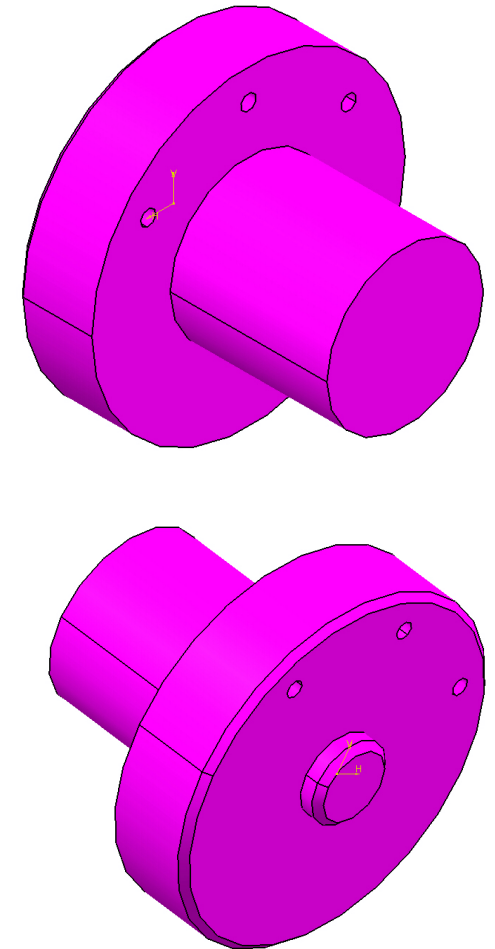




Front view



Section view A-A



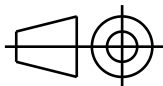
Stock Description:
 $\phi 54 \times \nabla 43$

DESIGNED BY:
 Lakshmi Sharath.B
 DATE:

CHECKED BY:
 DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 04

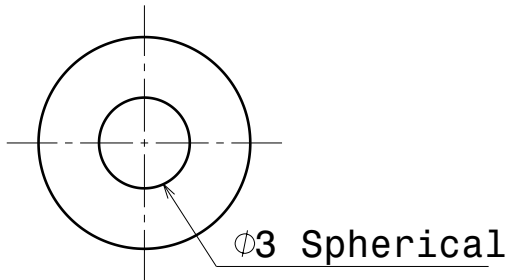
engineeringcadcamcae2018@gmail.com

SHEET

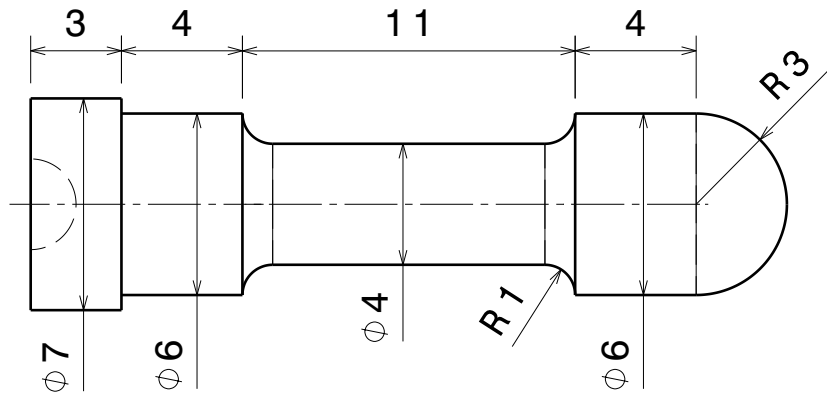
1 / 1

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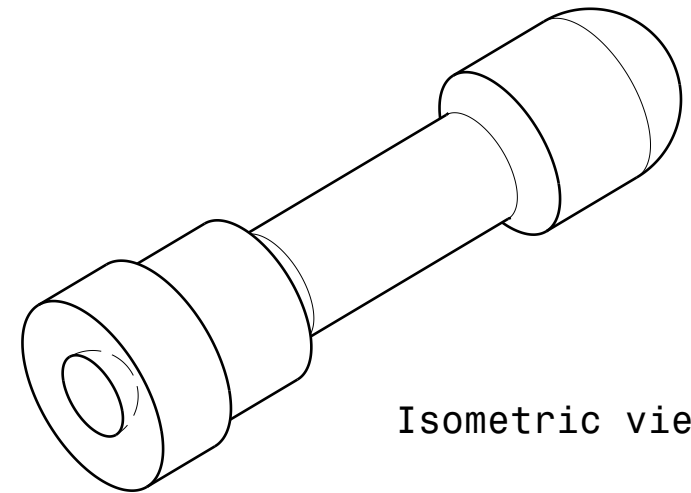
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Right View



Front view



Isometric view

Stock
Description:
 $\phi 9 \times \nabla 27$

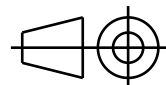
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 05

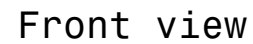
engineeringcadcamcae2018@gmail.com

SHEET

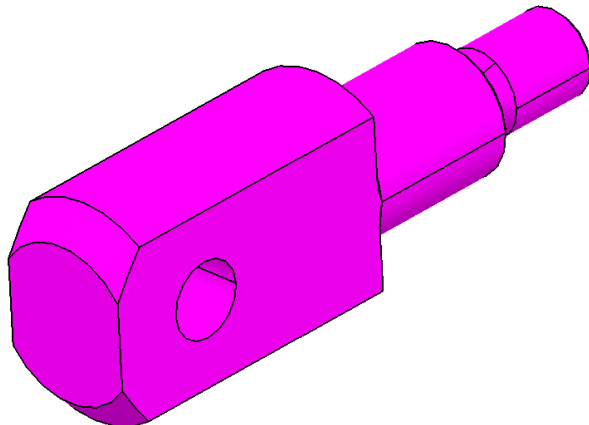
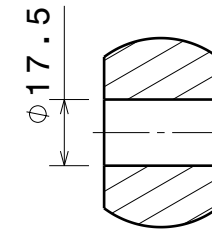
1 / 1

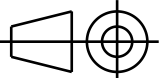
This drawing is our property; it can't be reproduced or communicated without our written agreement.

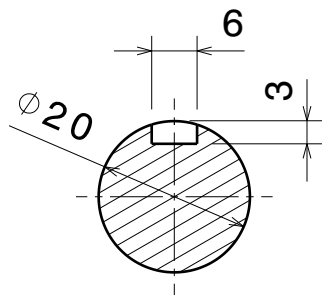
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



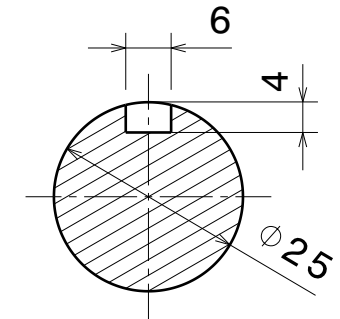
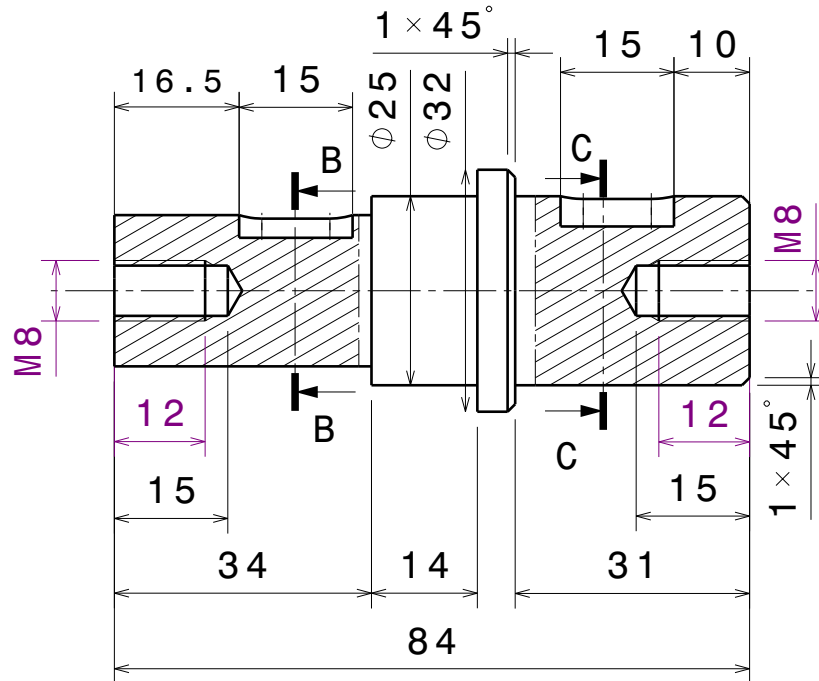
Section view A-A



DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
			E	—
SIZE A4		CAM TURNING EXERCISE (LEVEL 2) - 06	D	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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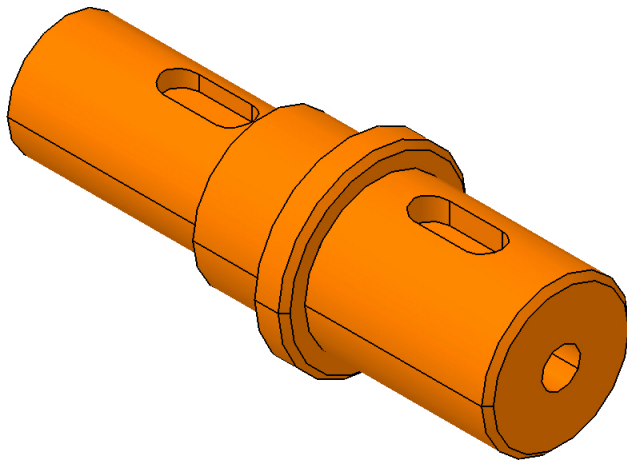


Section view B-B



Section view C-C

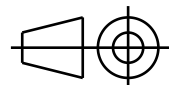
Stock Description: $\phi 34 \times \nabla 87$



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 07

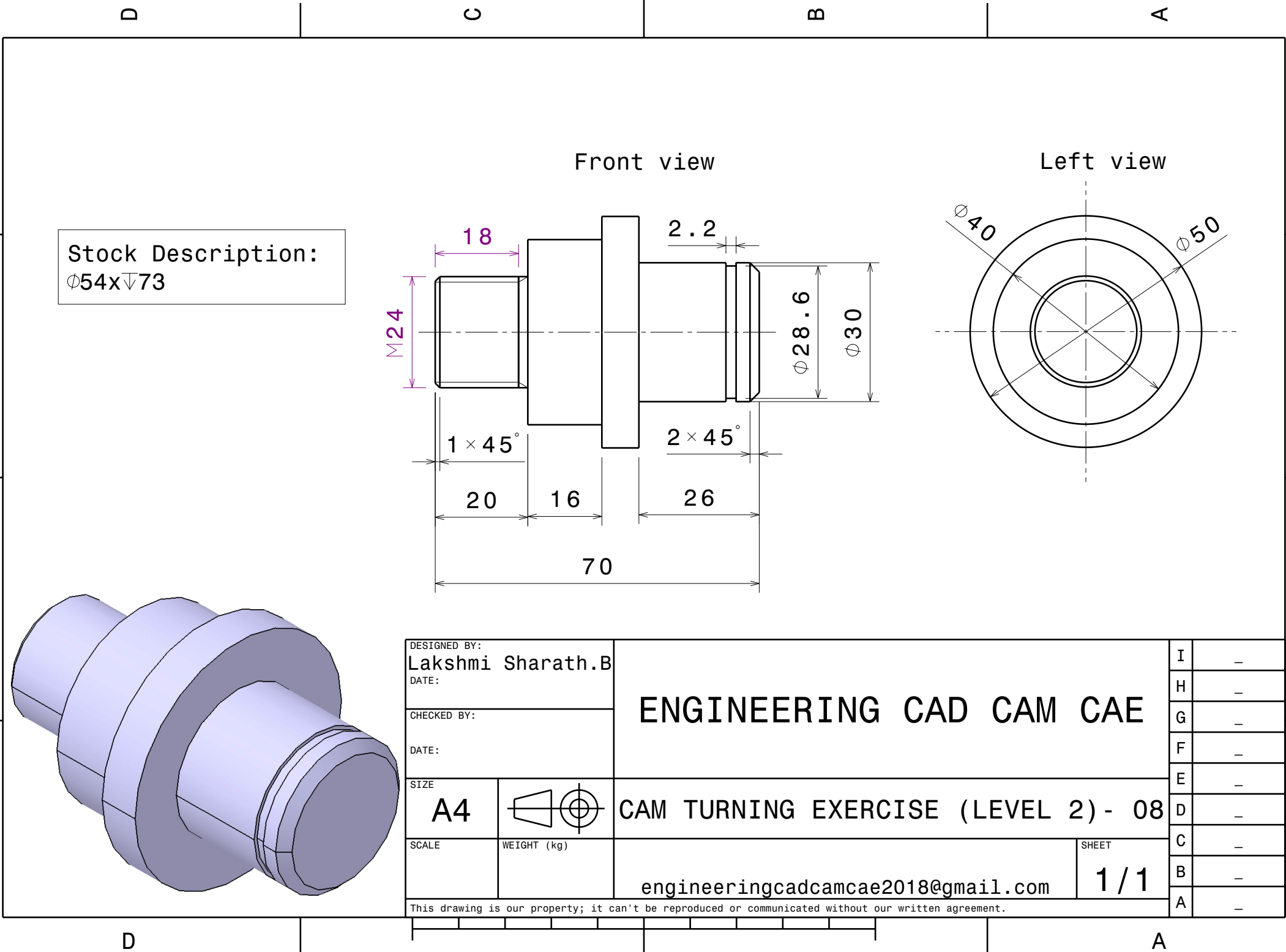
engineeringcadcamcae2018@gmail.com

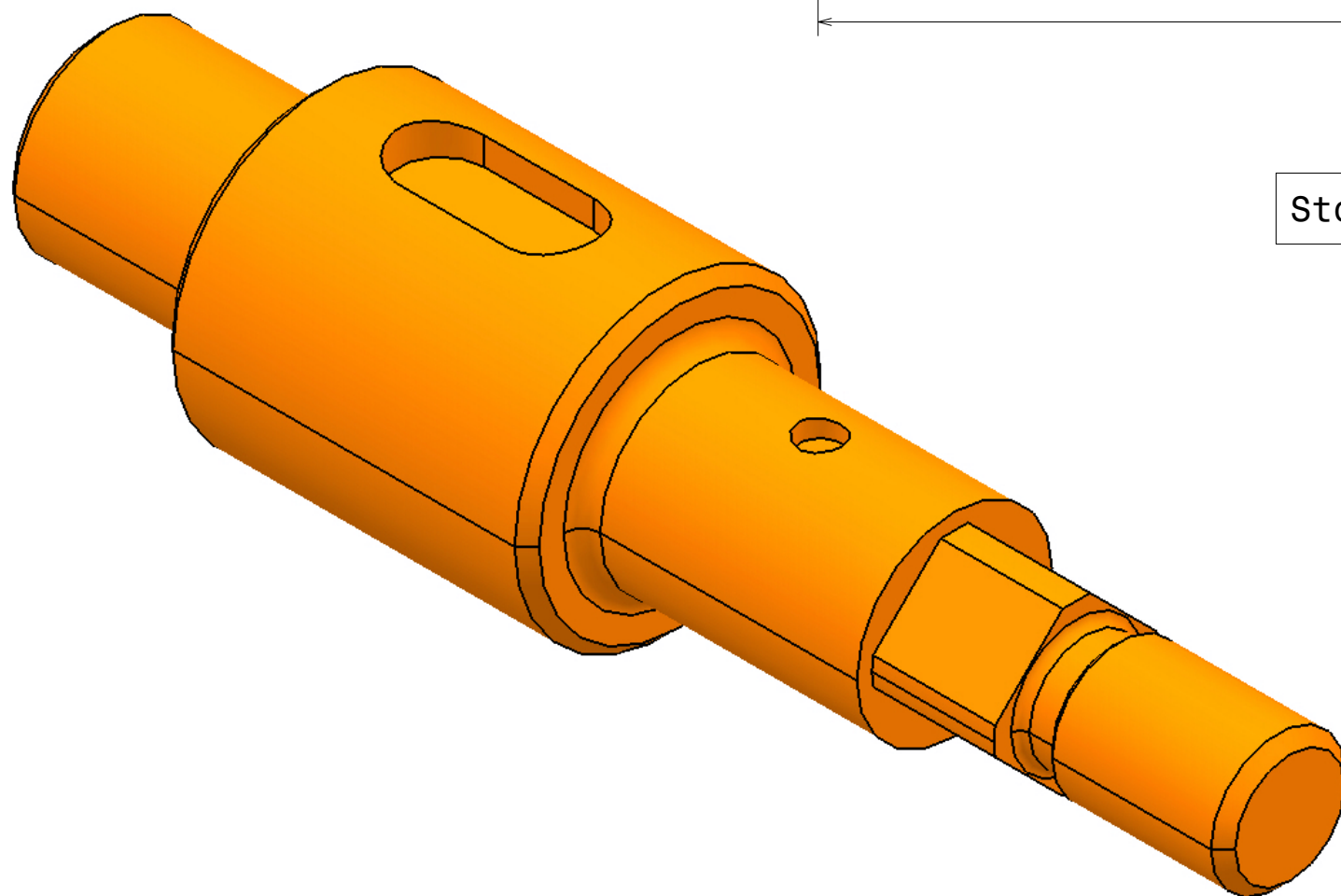
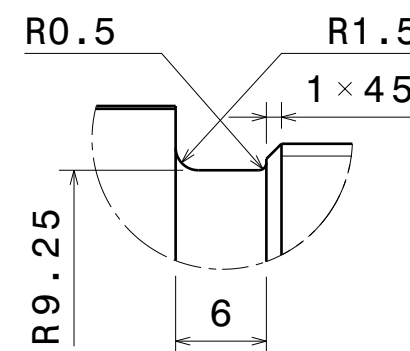
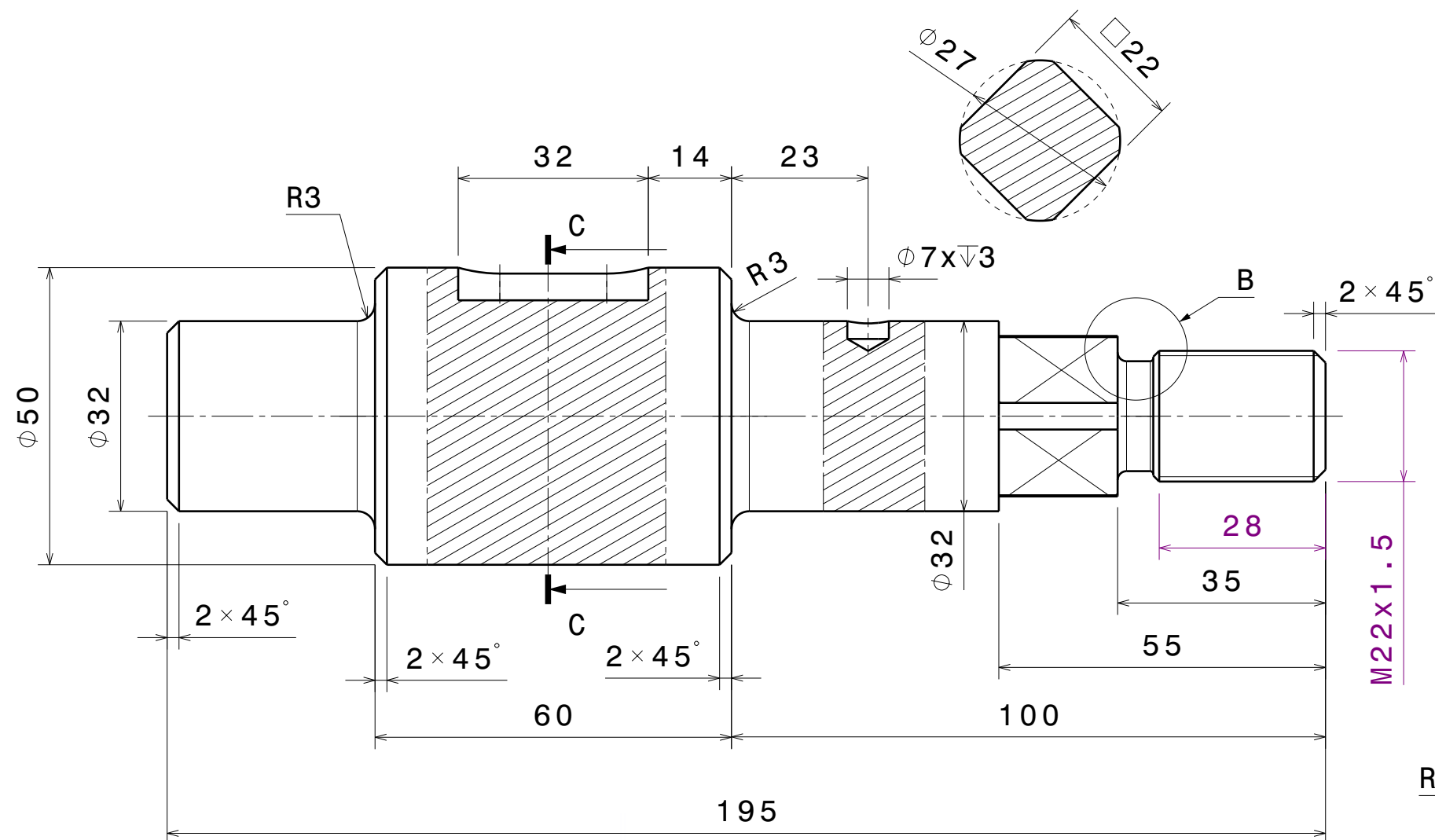
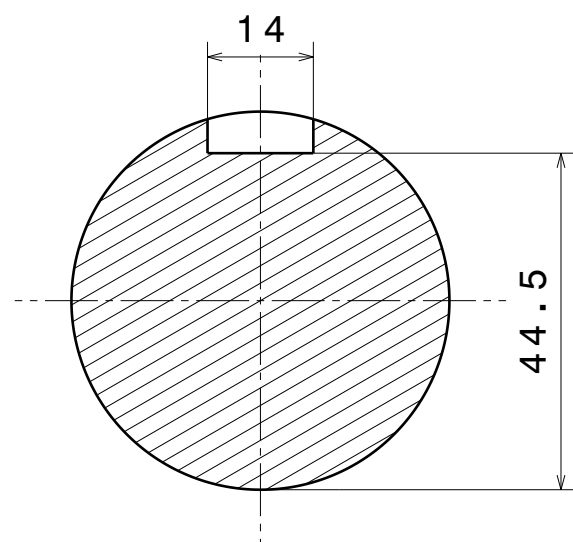
SHEET

1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



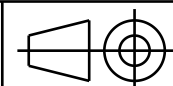


DESIGNED BY:
Lakshmi Sharath.B
DATE:

DATE: _____

SIZE	
------	--

A3



	WEIGHT (kg)
--	-------------

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 09

engineeringcadcamcae2018@gmail.com

SHEET

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

H	
---	--

c	
---	--

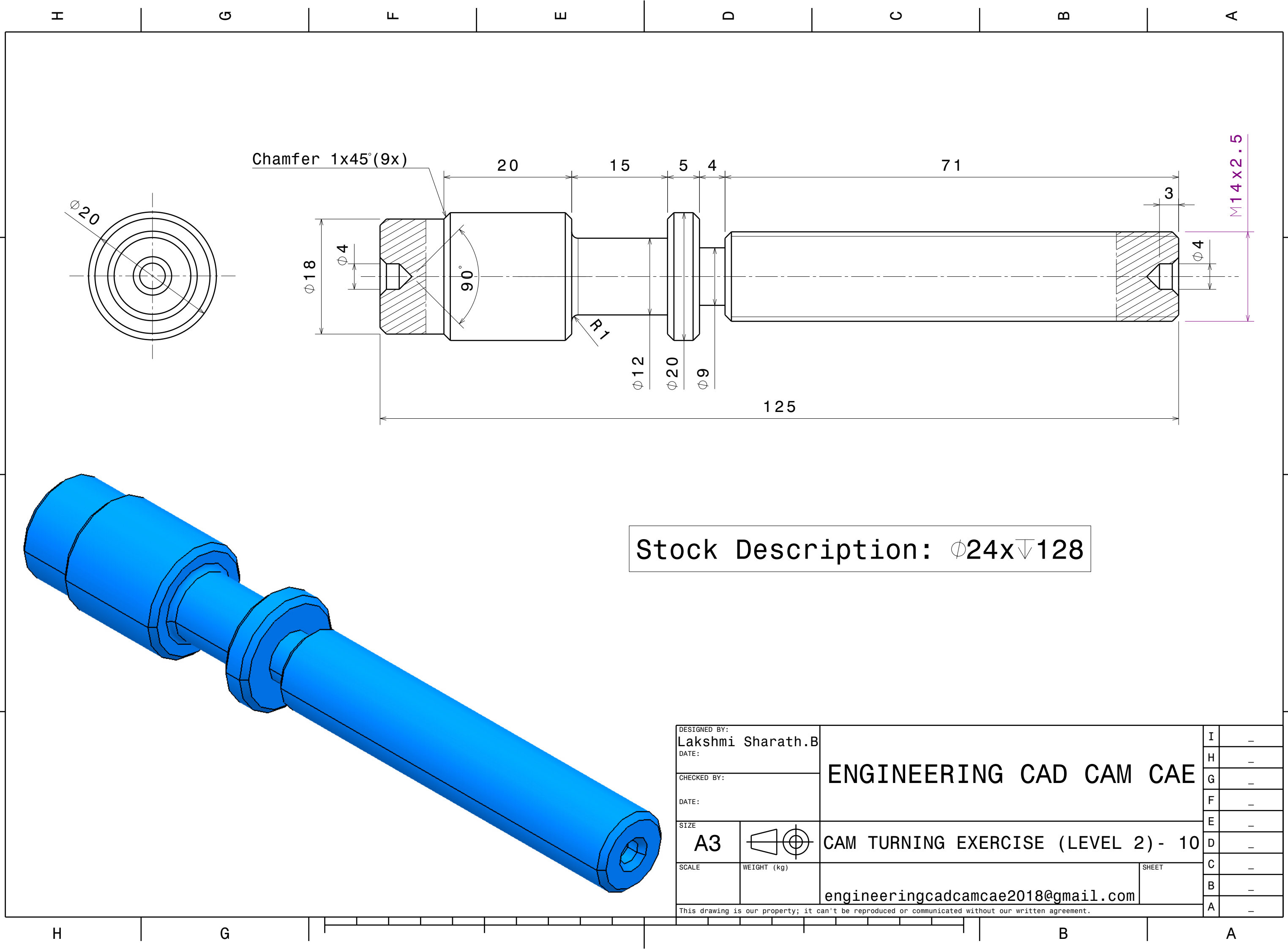
1	

L	—

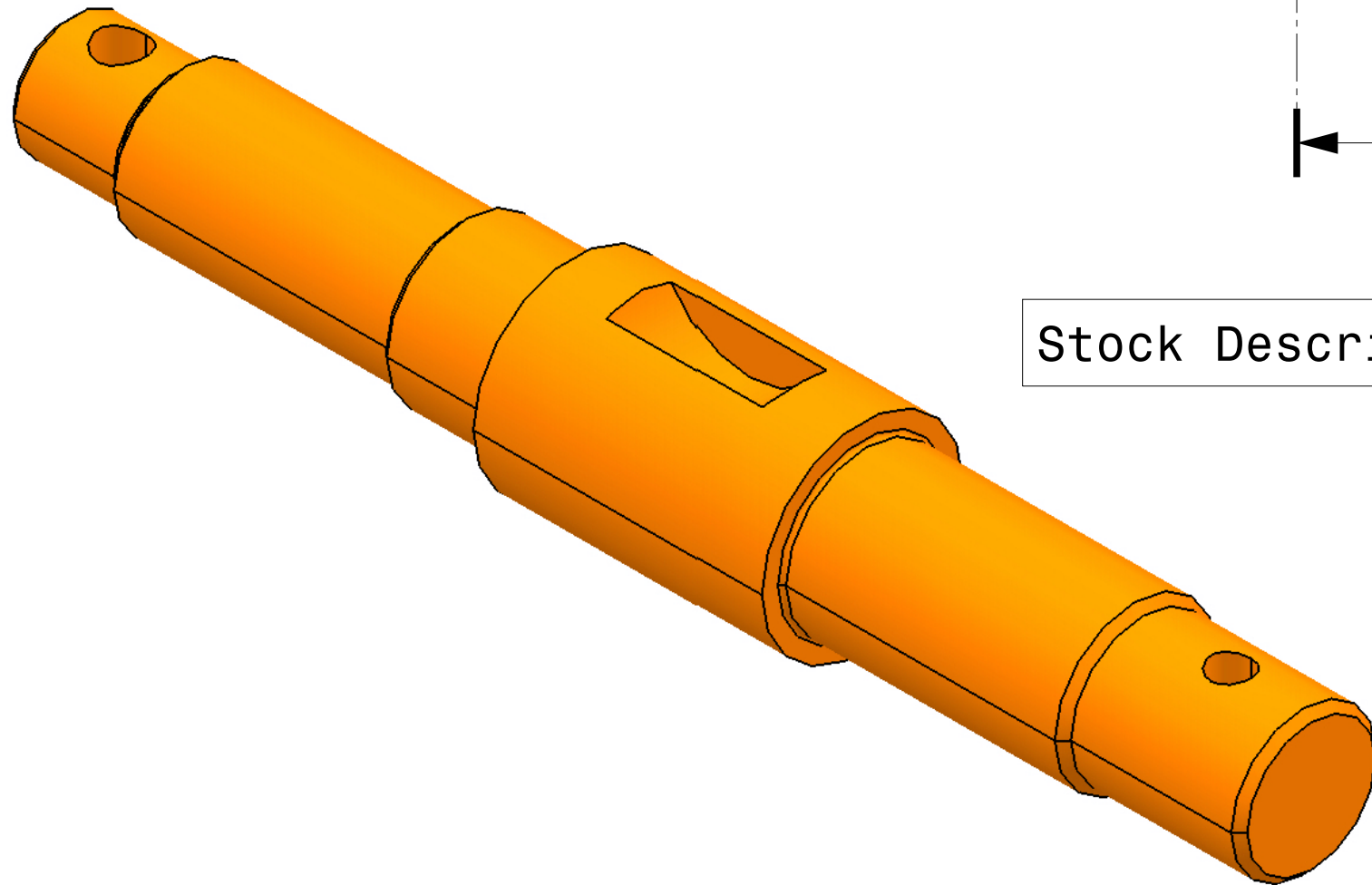
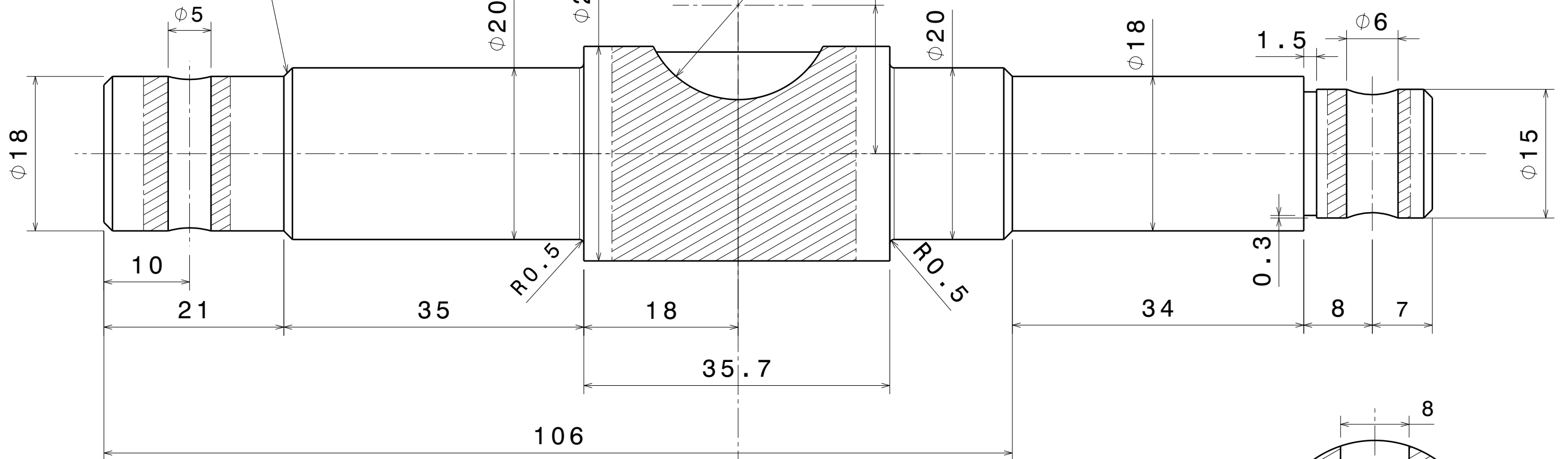
9	D	-
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C	-
---	---

B	—
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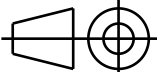


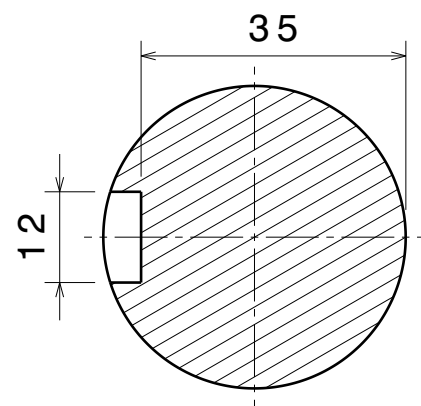
Stock Description: $\phi 24 \times \nabla 128$



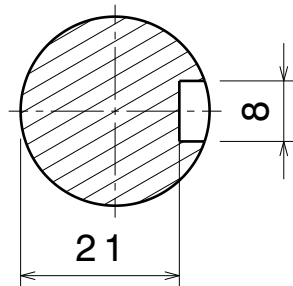
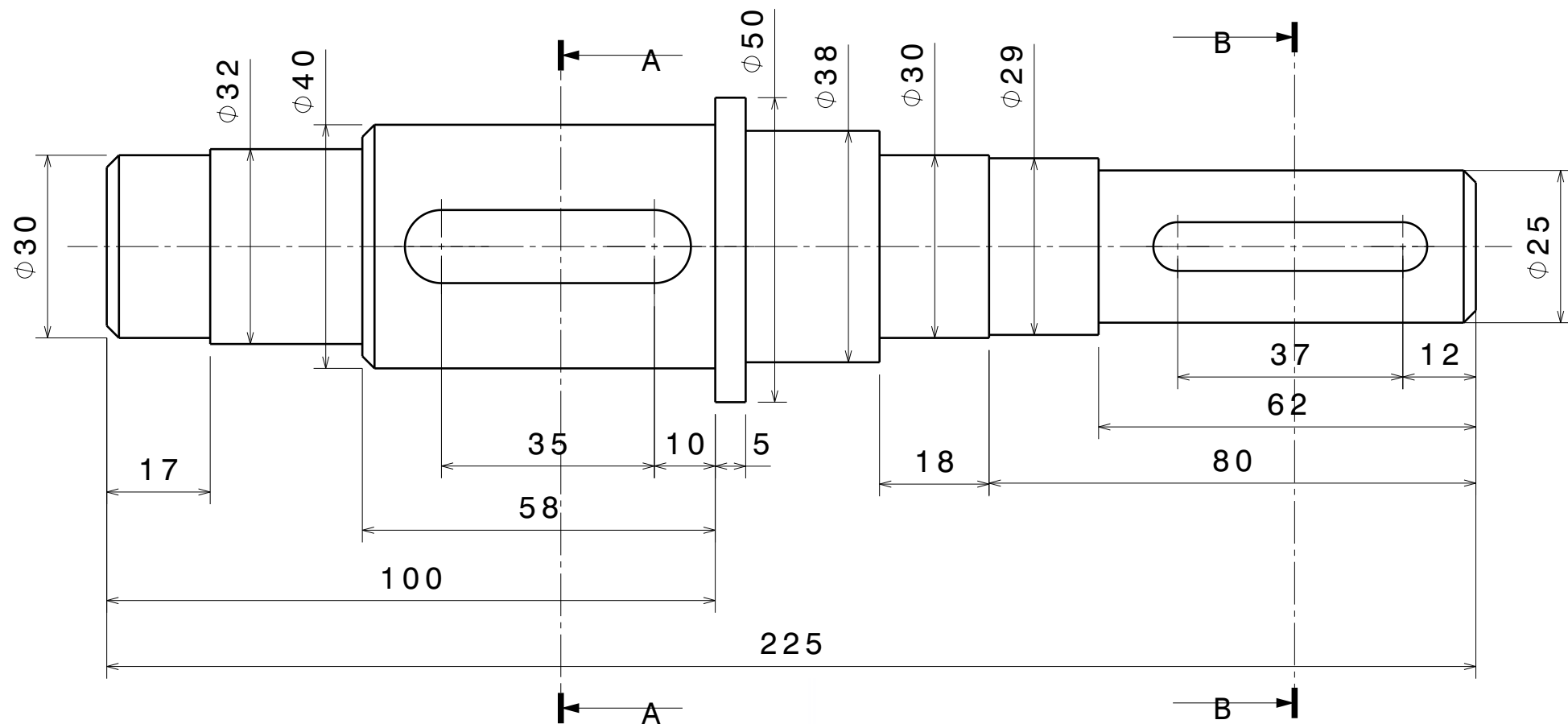
A diagram of a circular cross-section of a pipe. A rectangular cutout is located at the top center of the circle. The width of the cutout is indicated by a dimension line with arrows, labeled with the number 8. The interior of the circle is filled with diagonal hatching lines. A vertical dashed line passes through the center of the circle, and a horizontal dashed line passes through the center of the cutout.

Section view B-B

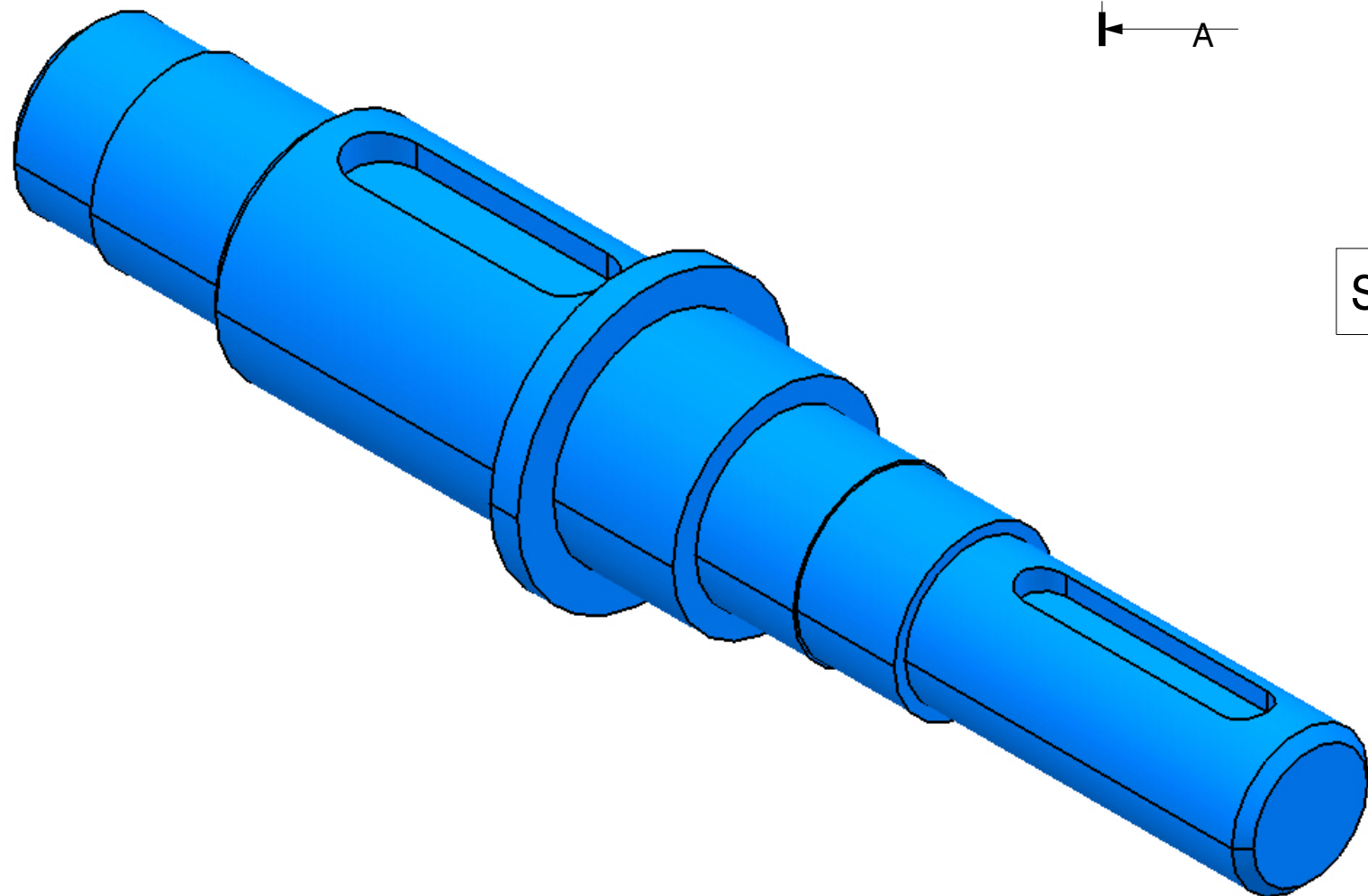
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—	
CHECKED BY: DATE:			H	—	
			G	—	
SIZE A3			F	—	
SCALE			E	—	
			D	—	
			C	—	
			B	—	
WEIGHT (kg)		SHEET		A	—
		engineeringcadcamcae2018@gmail.com		This drawing is our property; it can't be reproduced or communicated without our written agreement.	



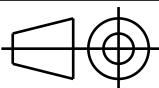
Section view A-A



Section view B-B



Stock Description: $\phi 54 \times \nabla 228$

DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY:				H	—
DATE:				G	—
SIZE A3				F	—
SCALE				E	—
WEIGHT (kg)		CAM TURNING EXERCISE (LEVEL 2) - 12		D	—
		engineeringcadcamcae2018@gmail.com		C	—
				B	—
				A	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.					

H

G

F

E

D

C

B

A

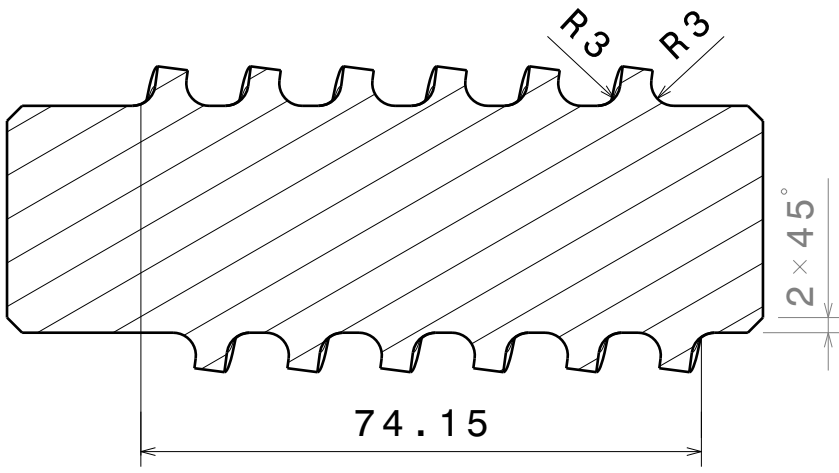
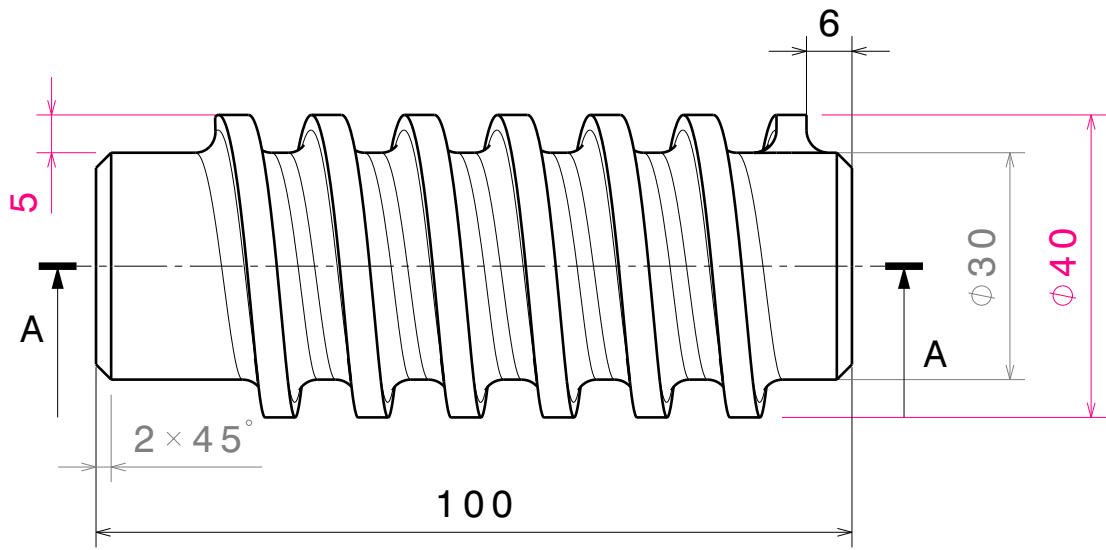
4

3

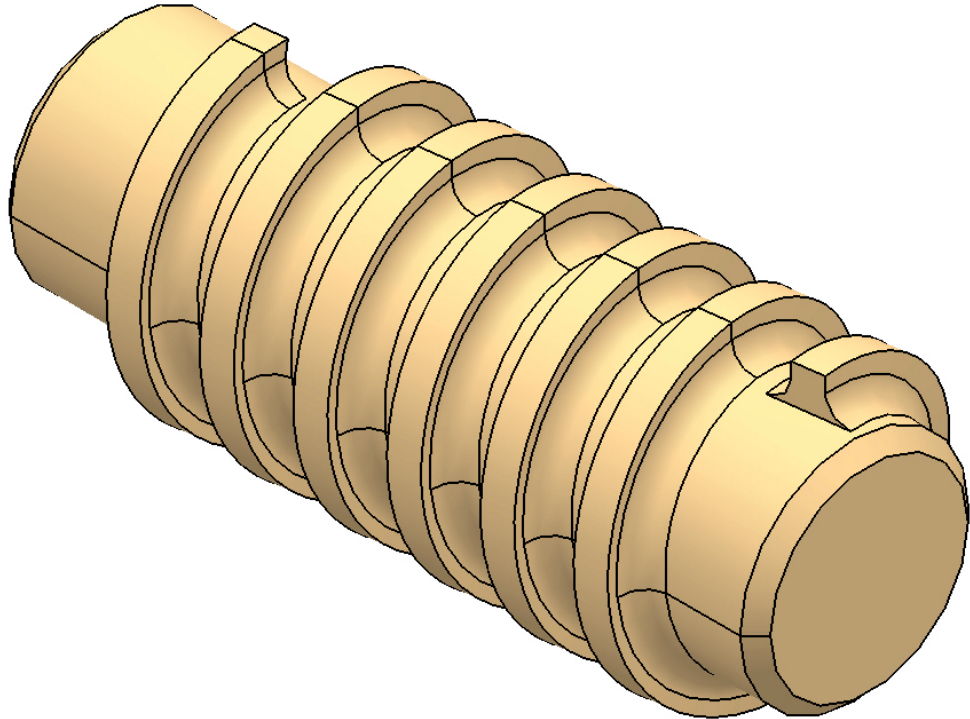
2

1

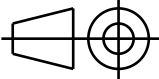
Front view



Section view A-A



Stock Description: $\phi 44 \times \nabla 103$
(Take Pitch=12.30 mm)

DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		CAM TURNING EXERCISE (LEVEL 2) - 13	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
			B	—
			A	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.				

H

G

B

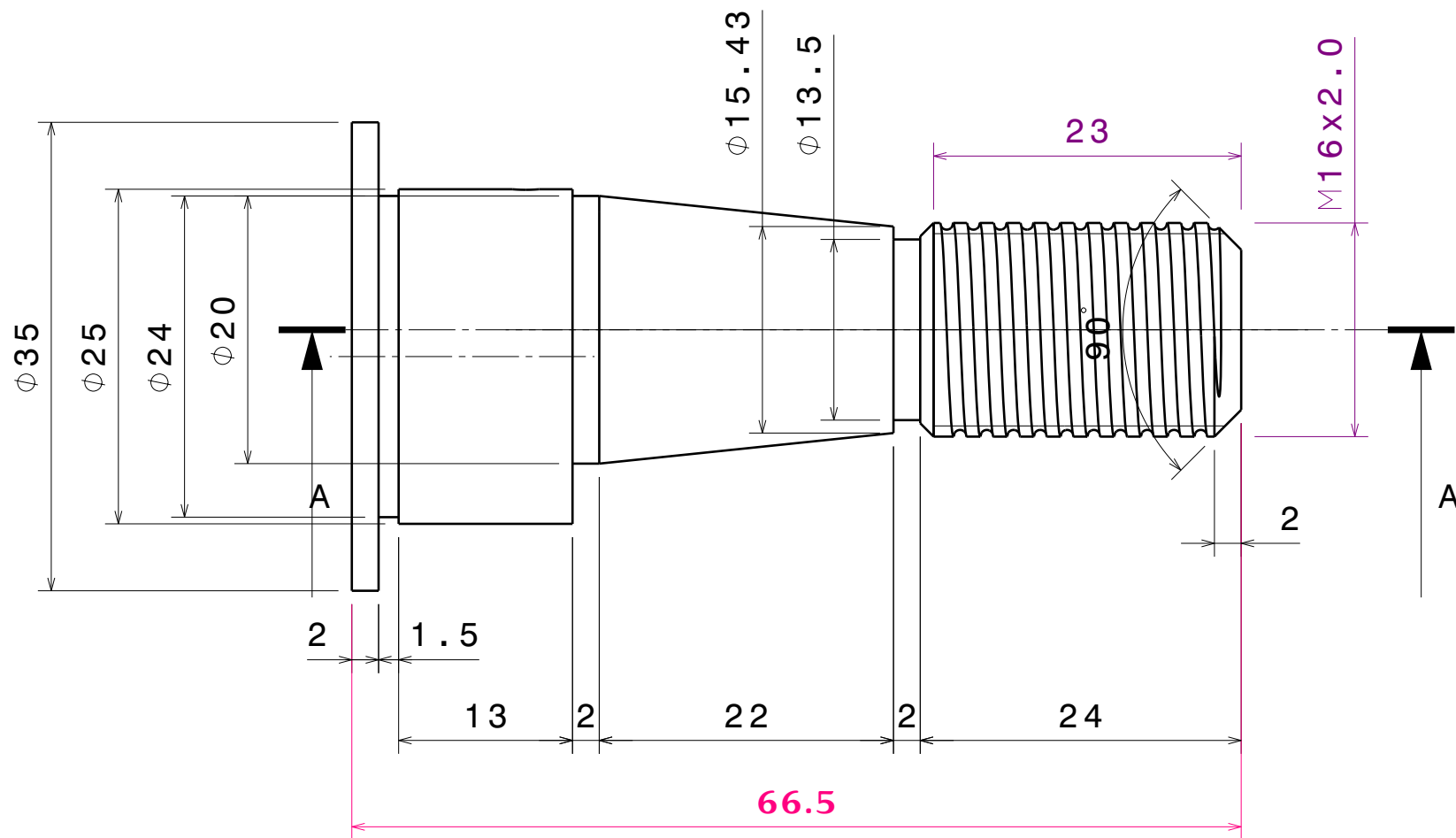
A

1

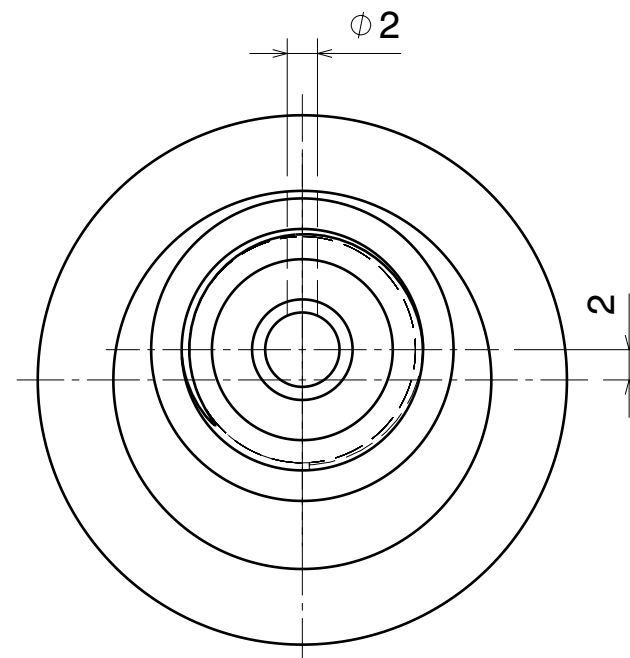
2

3

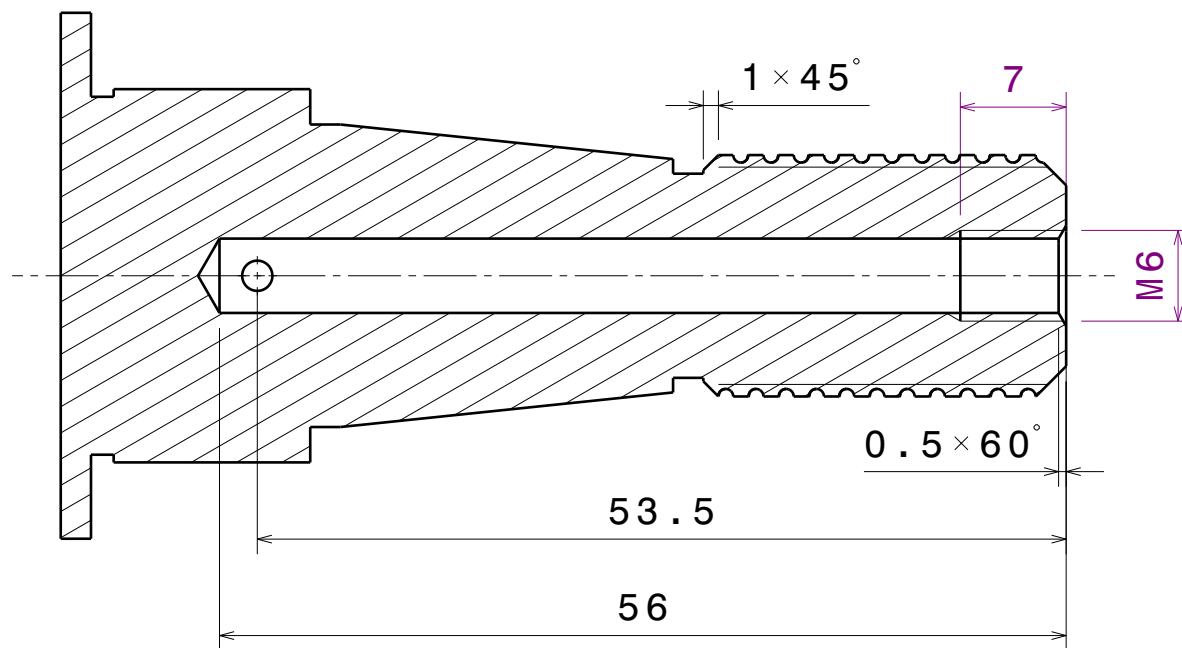
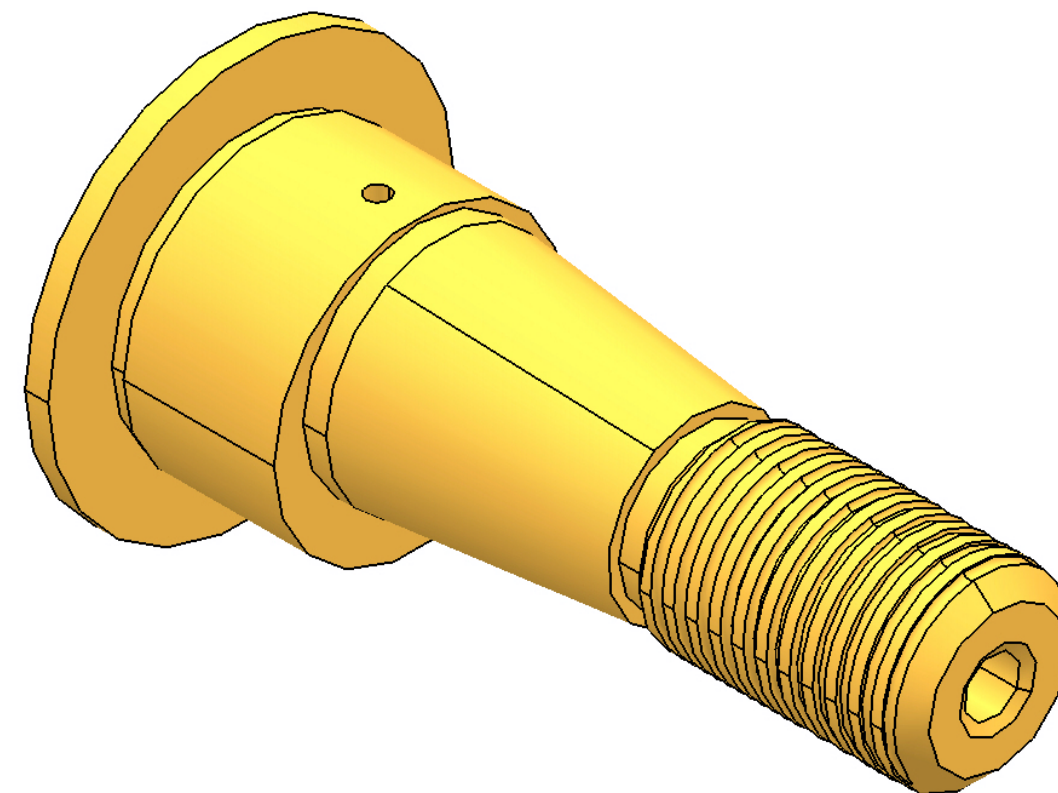
4



Front view

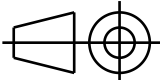


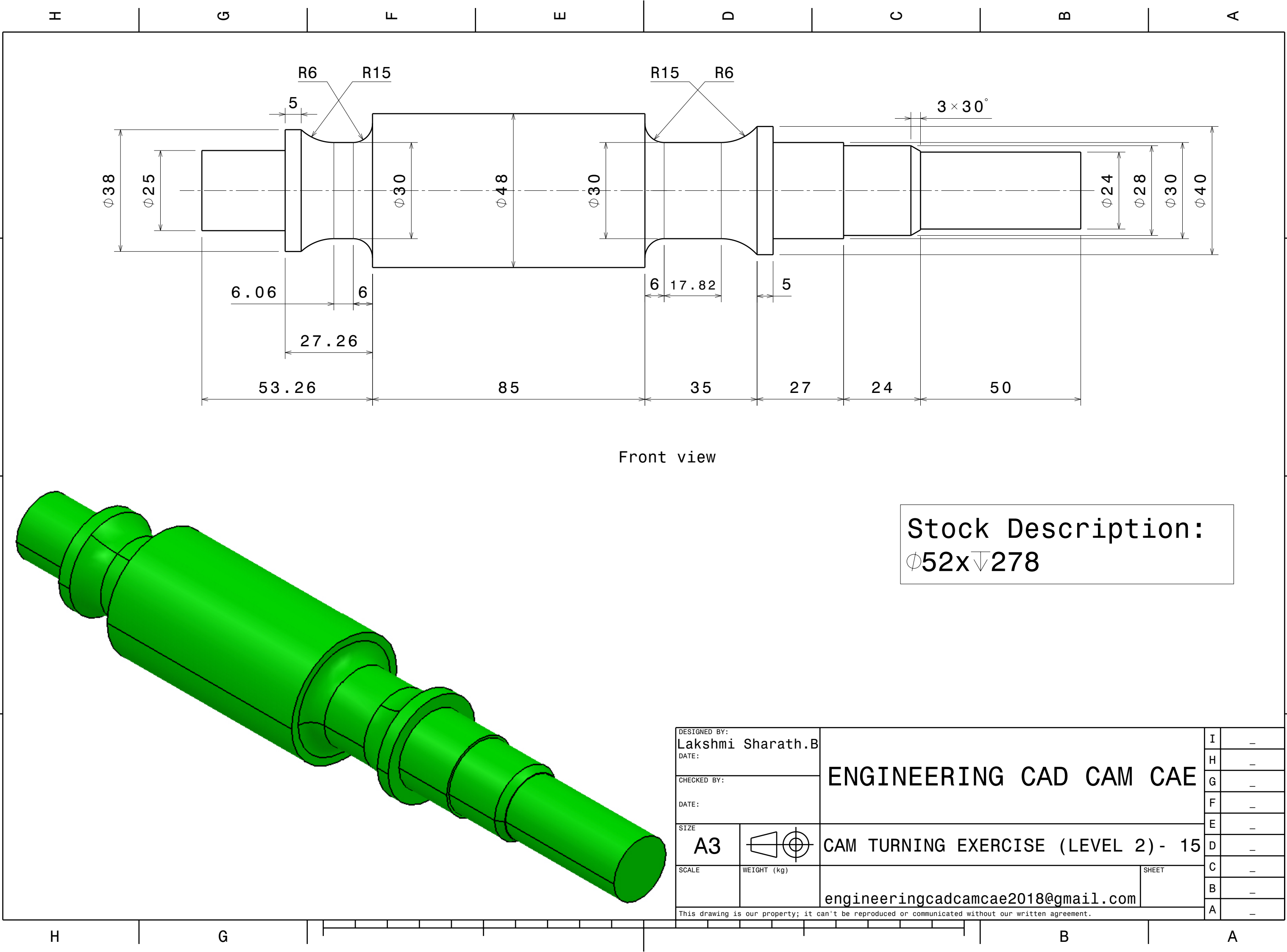
Right view



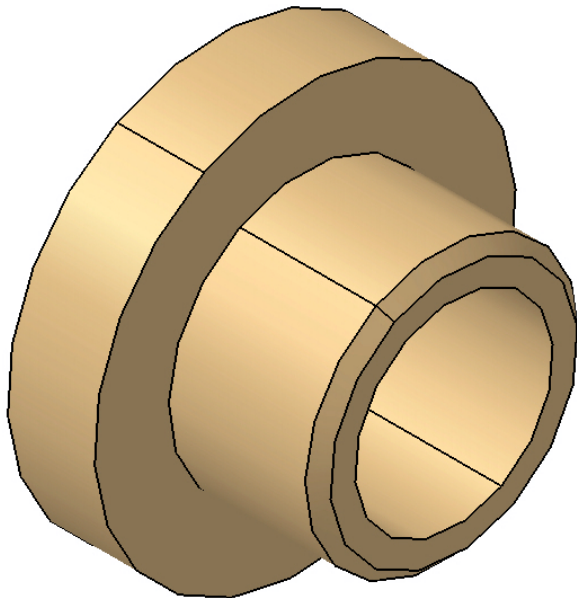
Section view A-A

Stock
Description:
Ø39x▽70

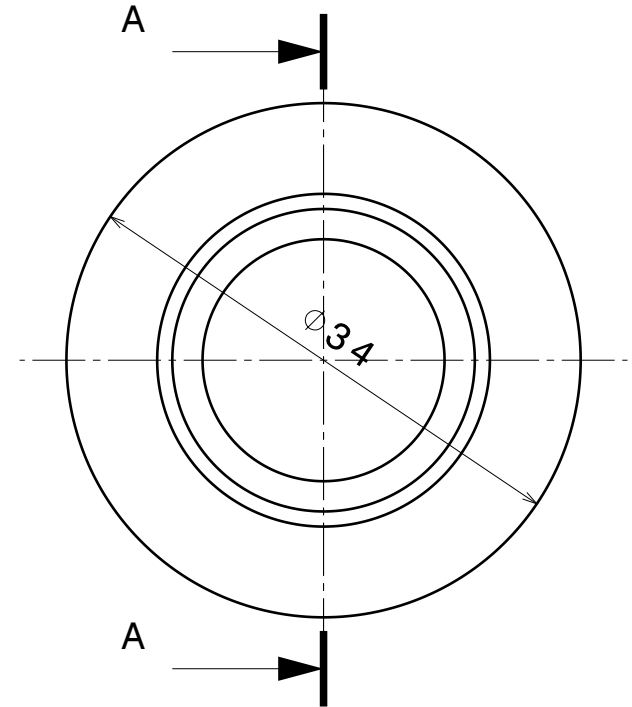
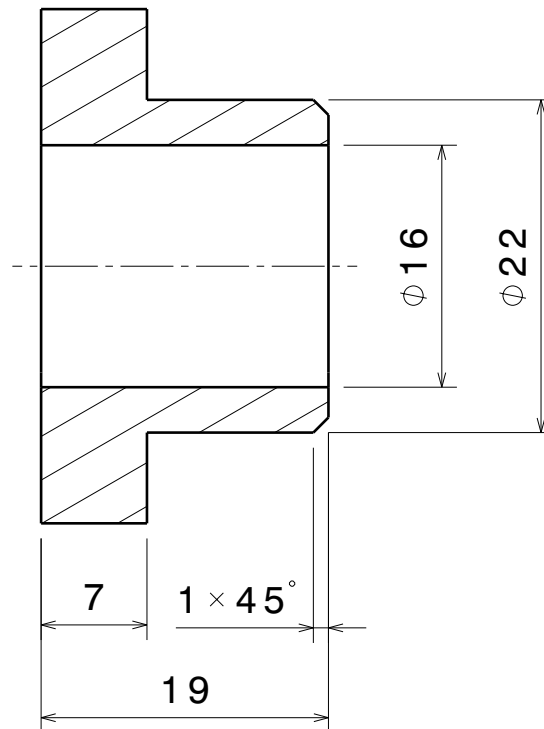
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY: DATE:				H	—
				G	—
SIZE <div>A3</div> 		CAM TURNING EXERCISE (LEVEL 2) - 14	F	—	
			E	—	
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	D	—	
			C	—	
SHEET	B		—		
	A		—		
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Stock
Description:
 $\phi 38 \times \nabla 22$



Section view A-A



Front view

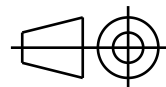
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 16

engineeringcadcamcae2018@gmail.com

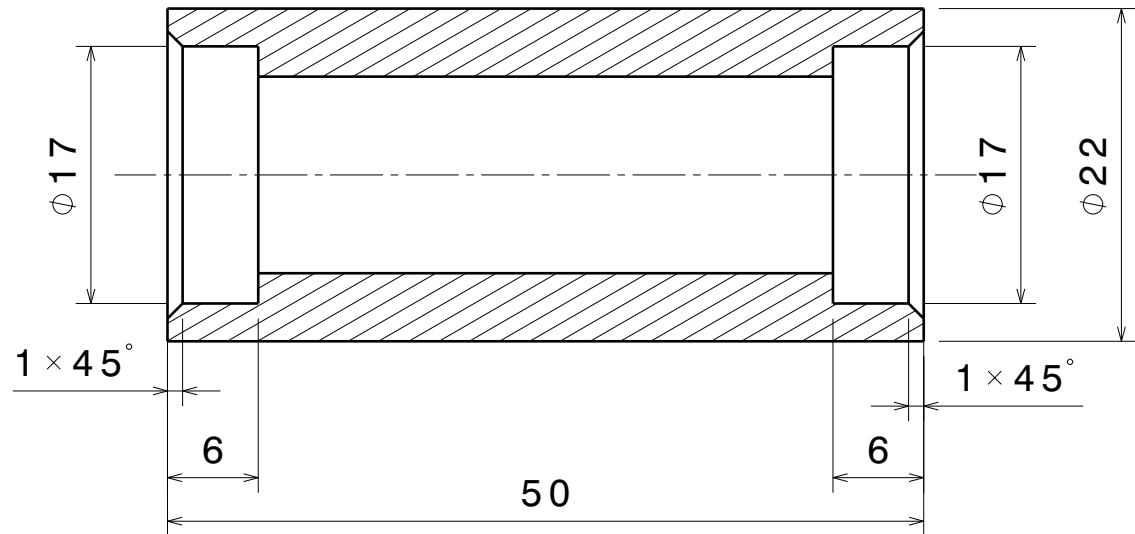
SHEET

1 / 1

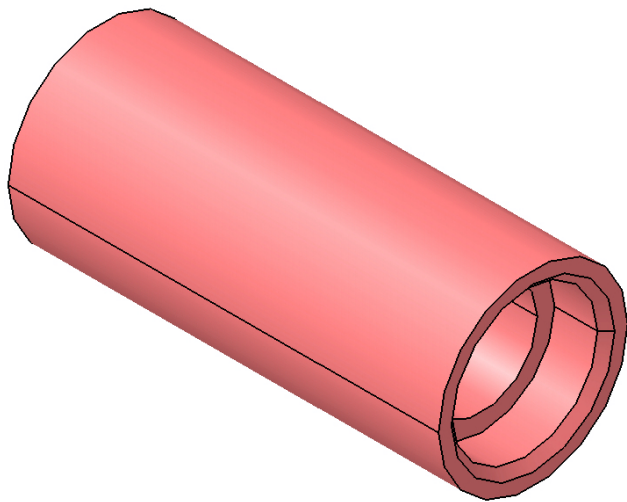
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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

Stock Description: $\phi 25 \times \nabla 53$



Section view A-A



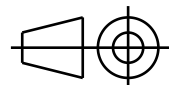
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 17

engineeringcadcamcae2018@gmail.com

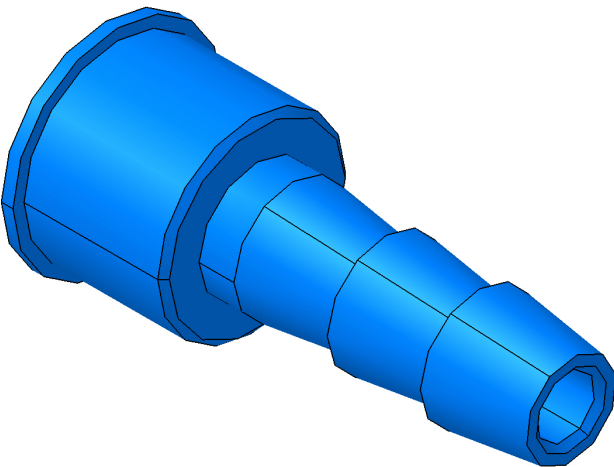
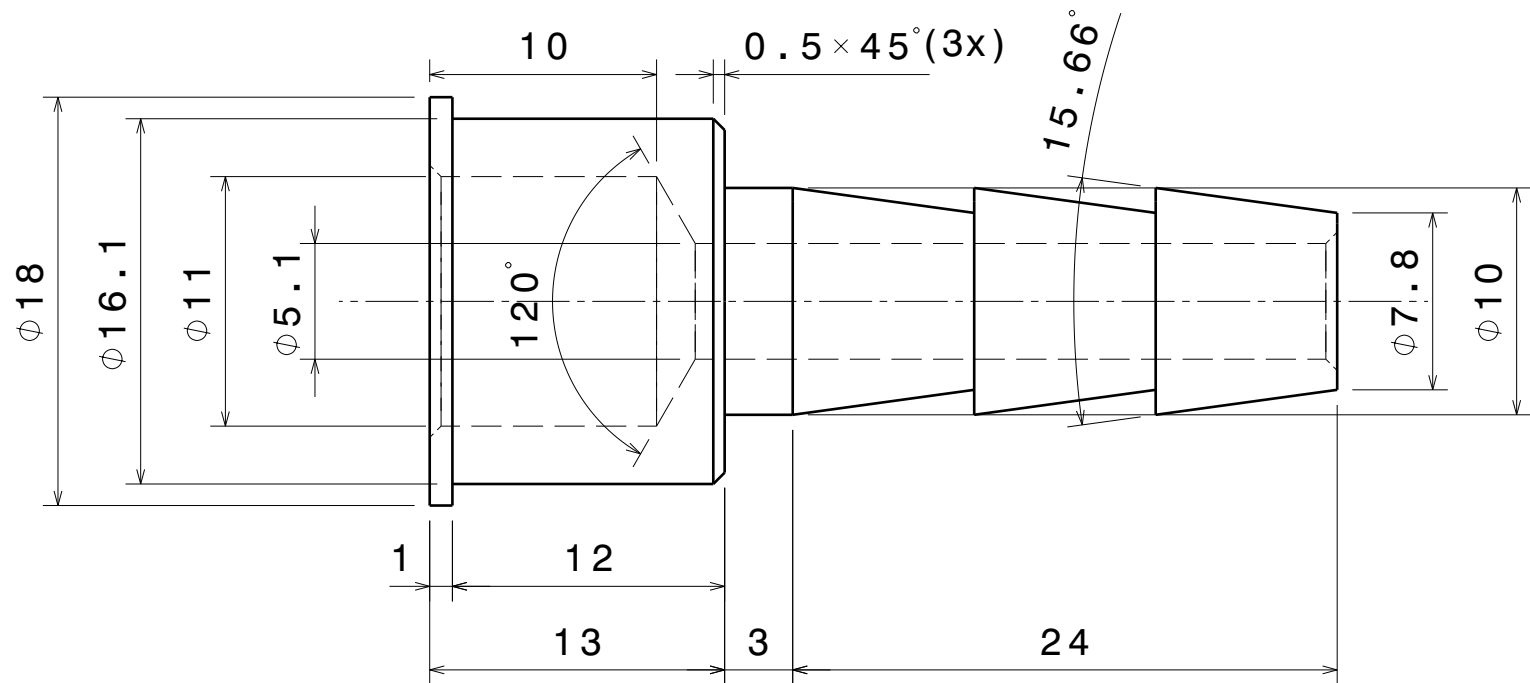
SHEET

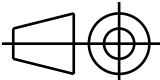
1 / 1

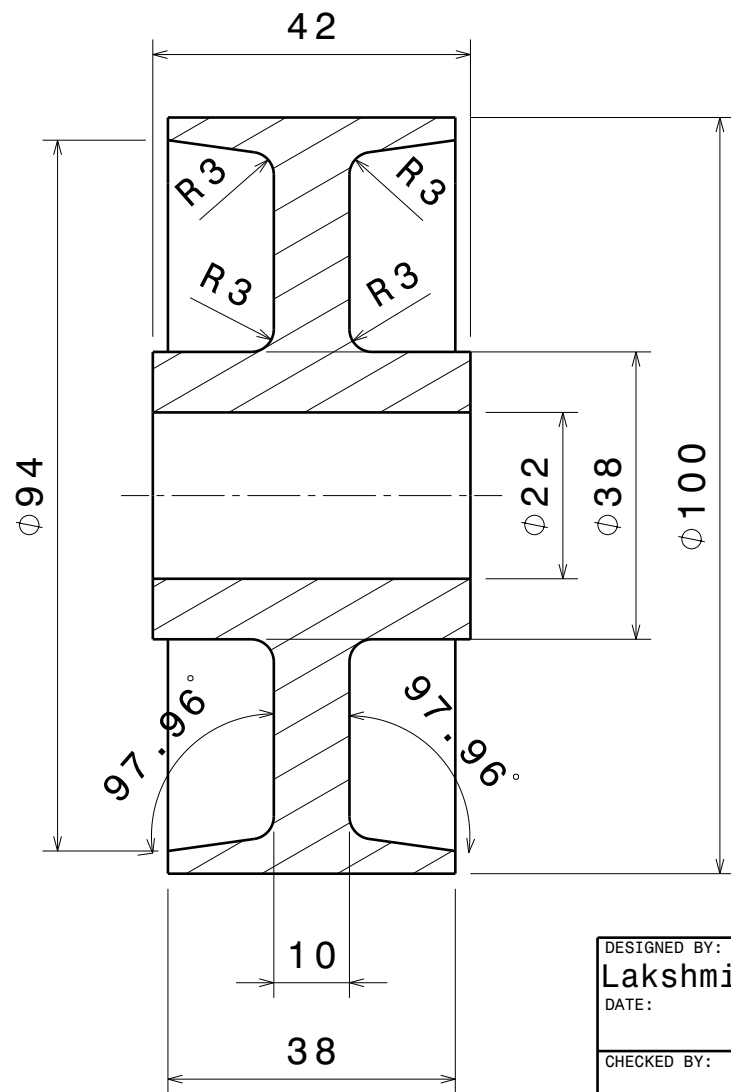
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

Stock Description:
Ø22x▽43

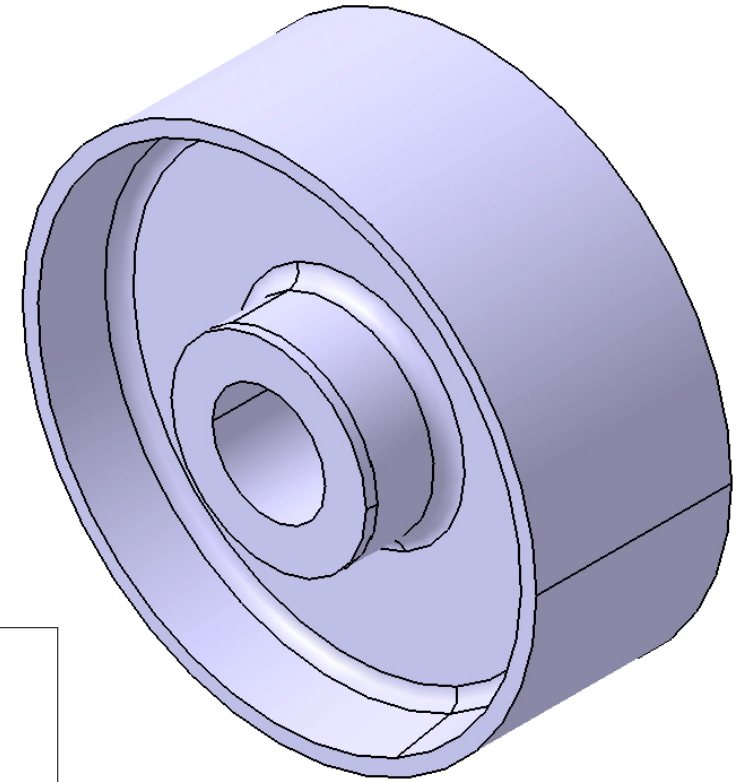


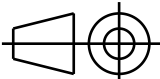
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—	
CHECKED BY: DATE:			H	—	
			G	—	
SIZE A4			F	—	
			E	—	
		D	—		
CAM TURNING EXERCISE (LEVEL 2) - 18		C	—		
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	B	—	
			1 / 1	A	—
			This drawing is our property; it can't be reproduced or communicated without our written agreement.		



Section view A-A

Stock
Description:
 $\phi 104 \times \nabla 45$

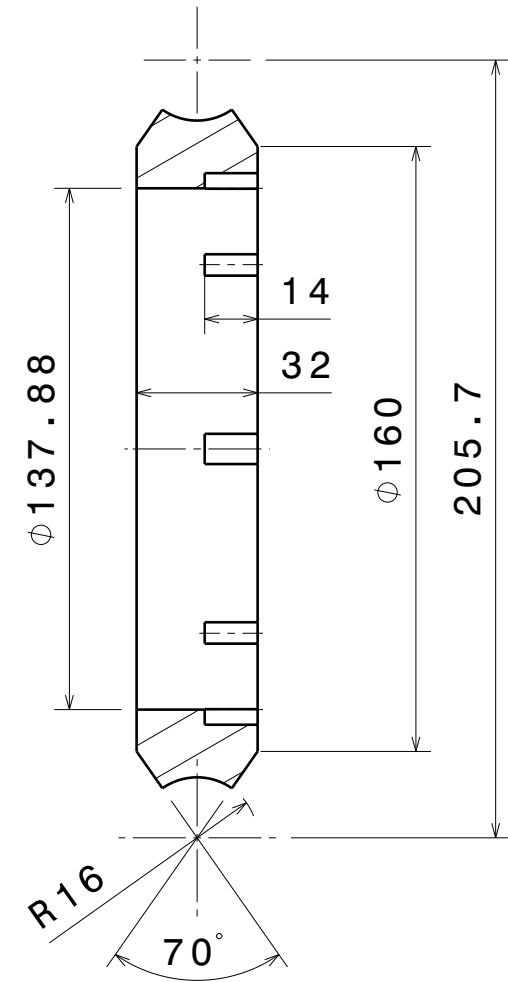


DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY: DATE:				H	—
				G	—
				F	—
SIZE A4		CAM TURNING EXERCISE (LEVEL 2) - 19		E	—
				D	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		C	—
				1 / 1	B
This drawing is our property; it can't be reproduced or communicated without our written agreement.				A	—

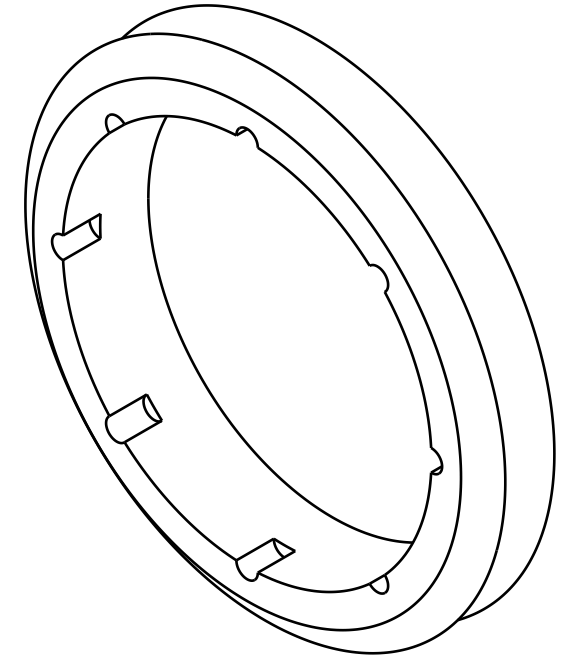
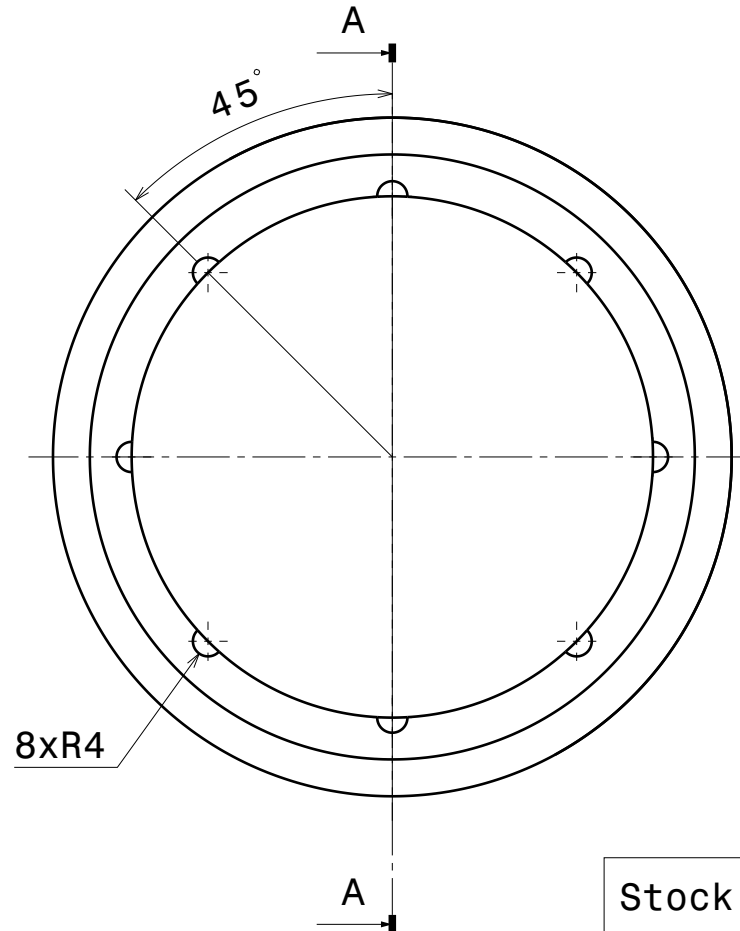
CAM TURNING EXERCISE (LEVEL 2) - 19

engineeringcadcamcae2018@gmail.com

1 / 1



Section view A-A



Isometric view

Stock Description: $\phi 184 \times \nabla 35$

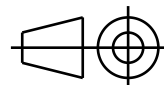
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 20

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

D

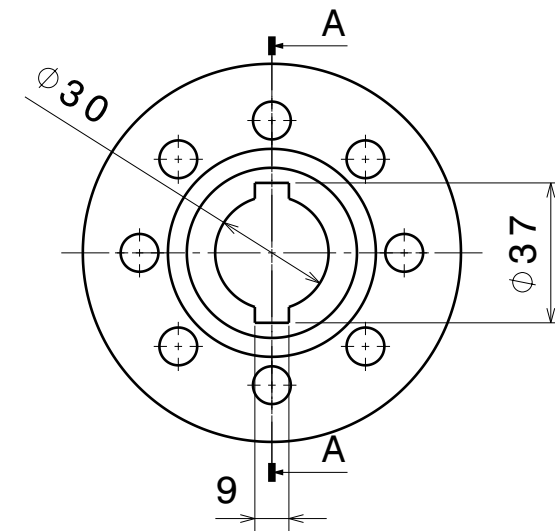
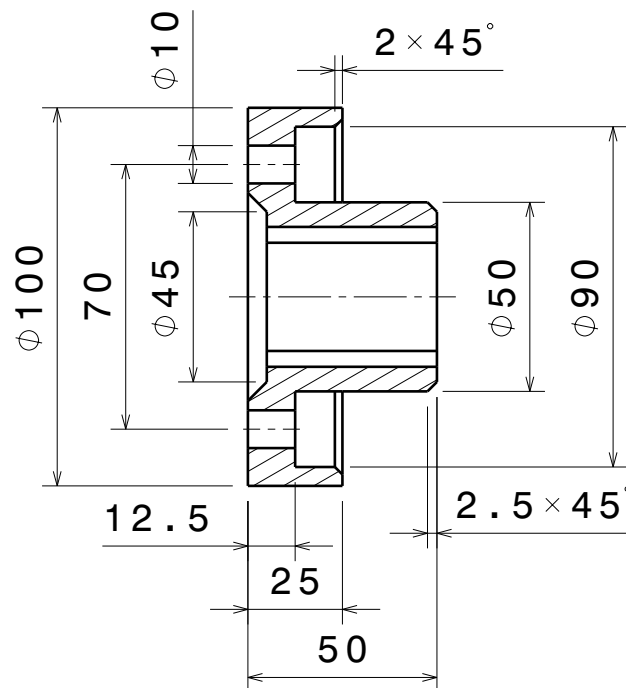
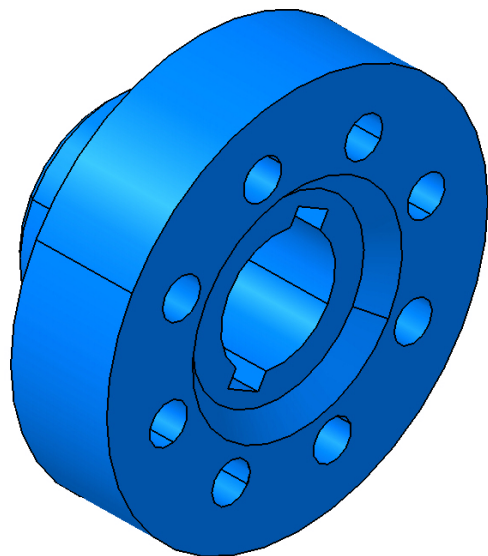
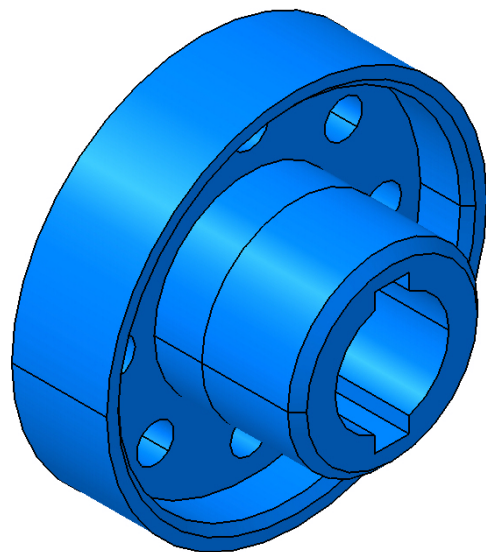
C

B

A

Section view A-A

Front view

Stock Description: $\phi 104 \times \nabla 53$ 

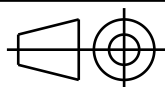
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 21

engineeringcadcamcae2018@gmail.com

SHEET

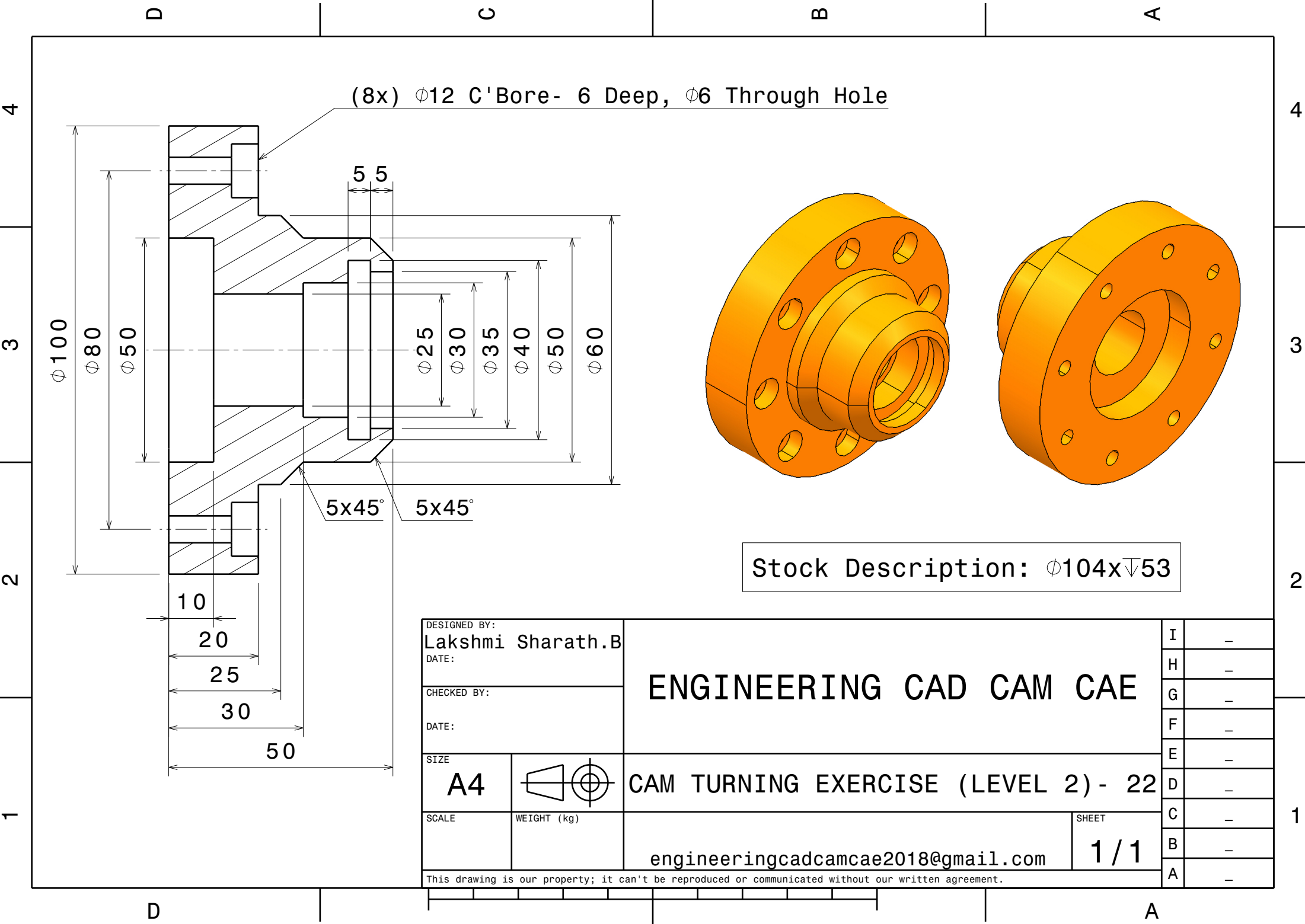
1/1

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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

D

A



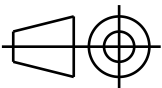
Stock Description: $\phi 104 \times \nabla 53$

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4

SCALE
WEIGHT (kg)



ENGINEERING CAD CAM CAE

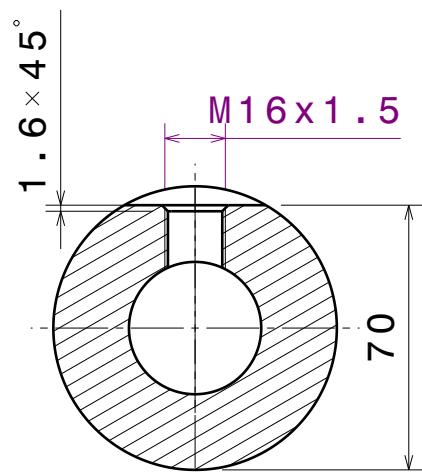
CAM TURNING EXERCISE (LEVEL 2) - 22

engineeringcadcamcae2018@gmail.com

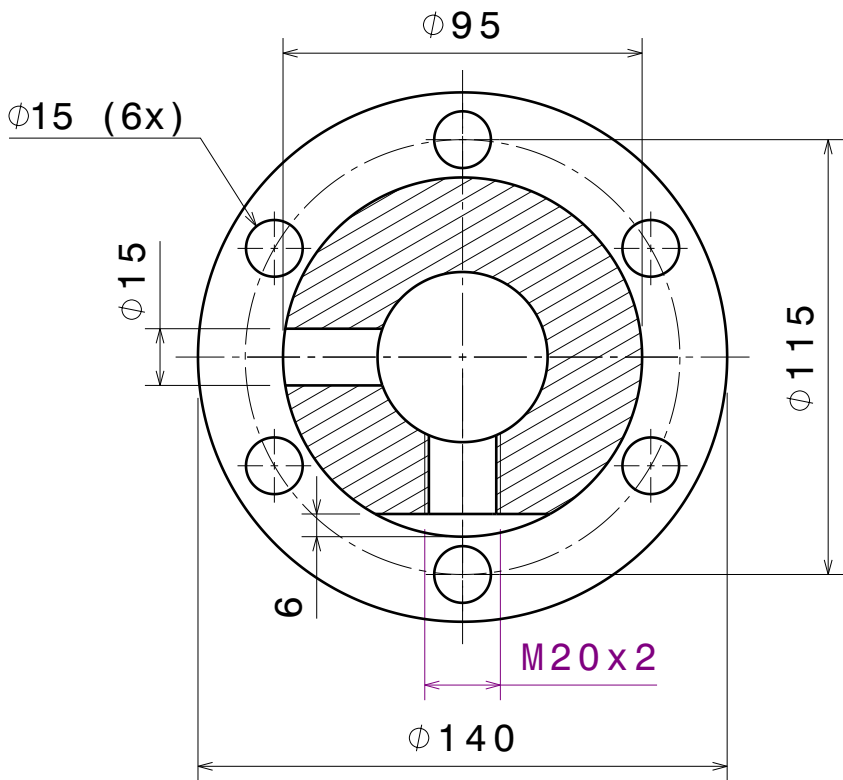
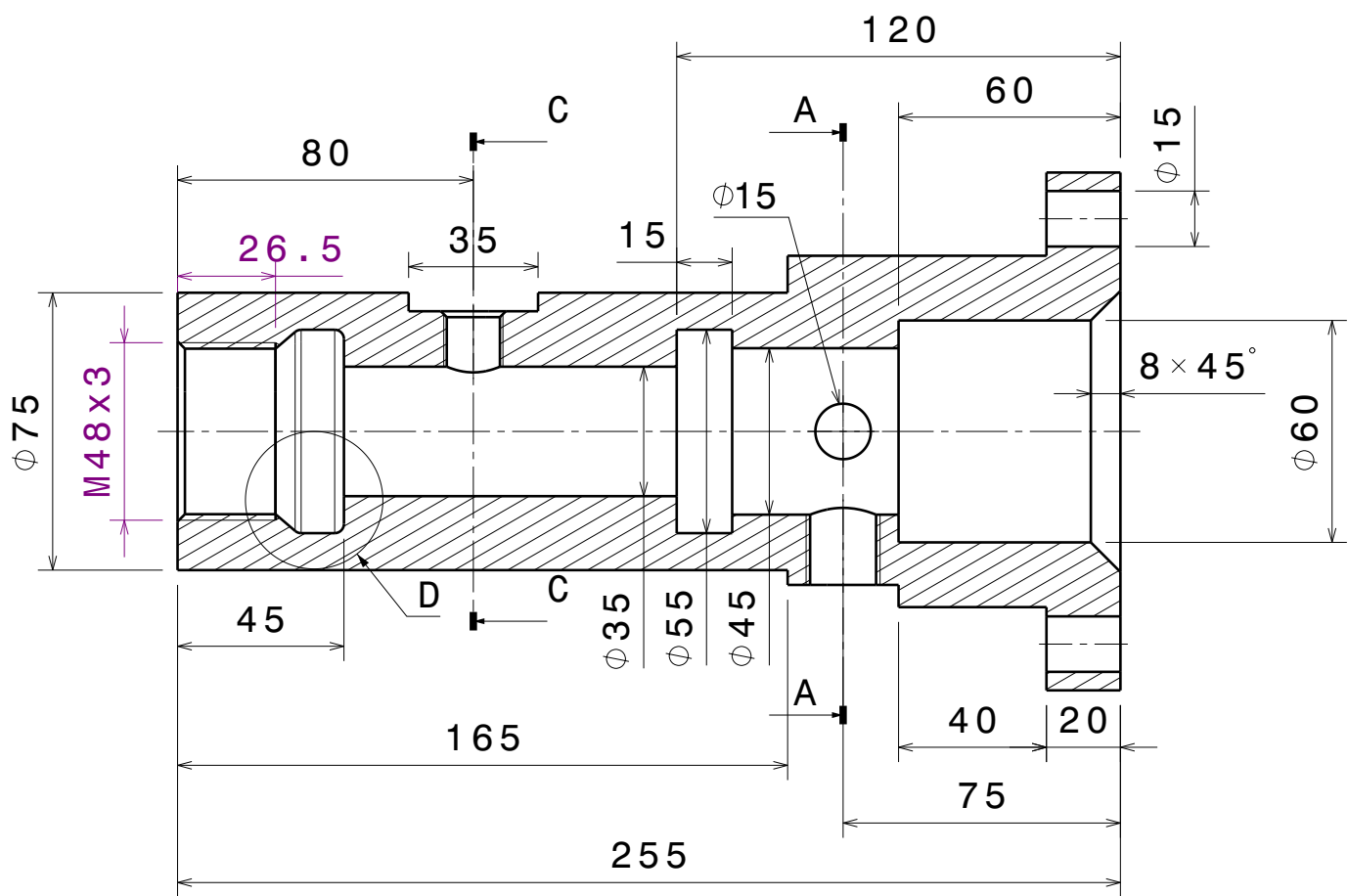
SHEET
1 / 1

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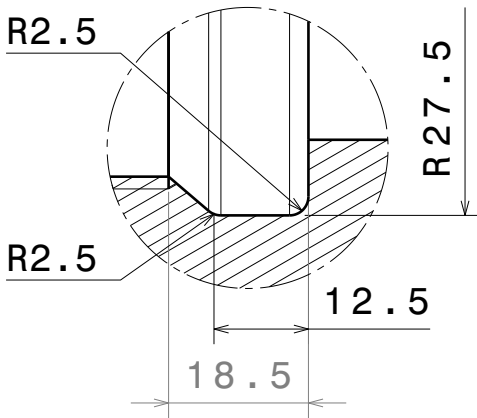
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



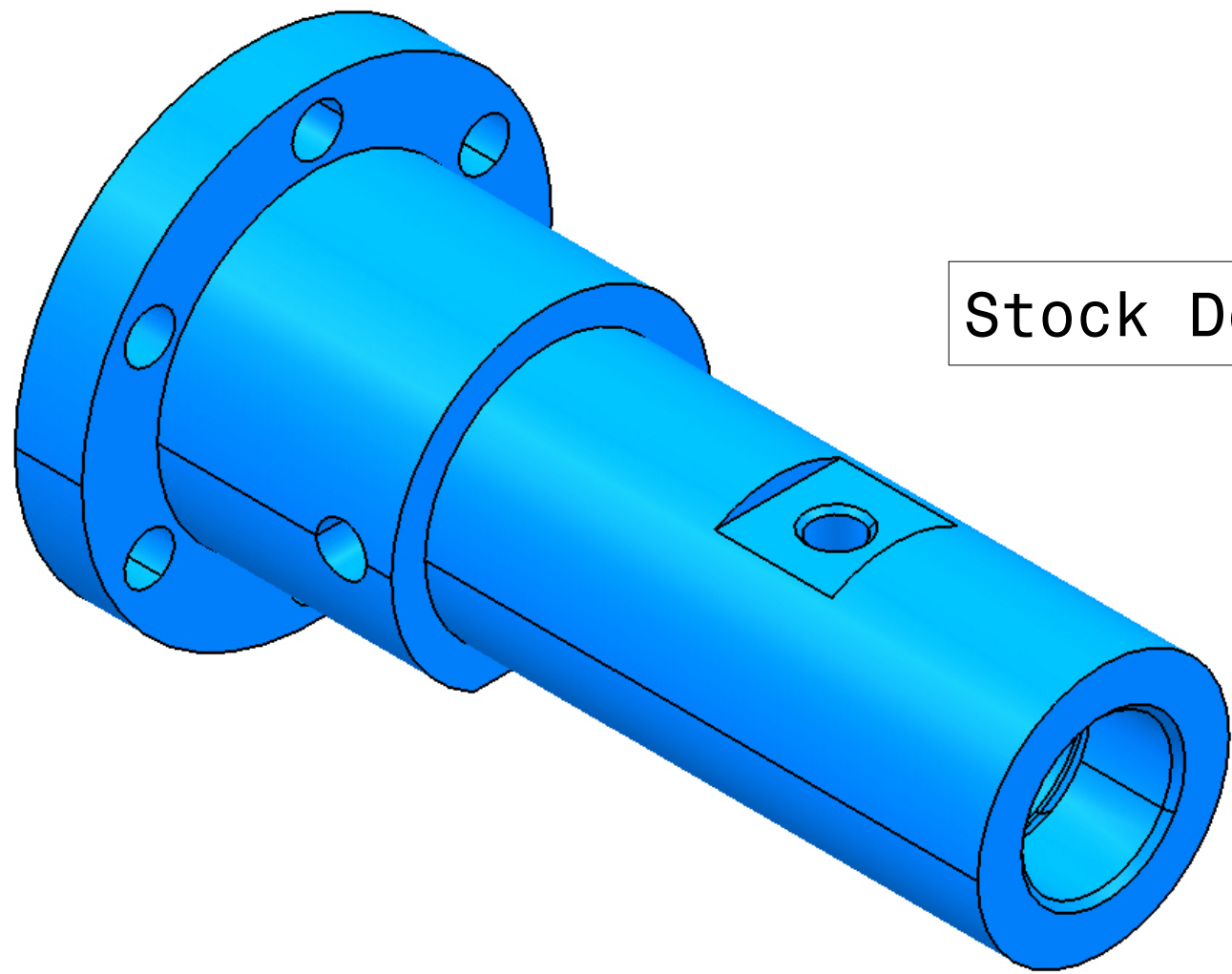
Section view C-C



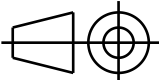
Section view A-A



Detail D (1:1)



Stock Description: $\phi 144 \times \nabla 258$

DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:		F	—	
SIZE		CAM TURNING EXERCISE (LEVEL 2) - 23	E	—
A3			D	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	C	—
			B	—
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ENGINEERING CAD CAM CAE

(A Professional Training Institute)

CAM – Milling Practice Drawings