

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'.

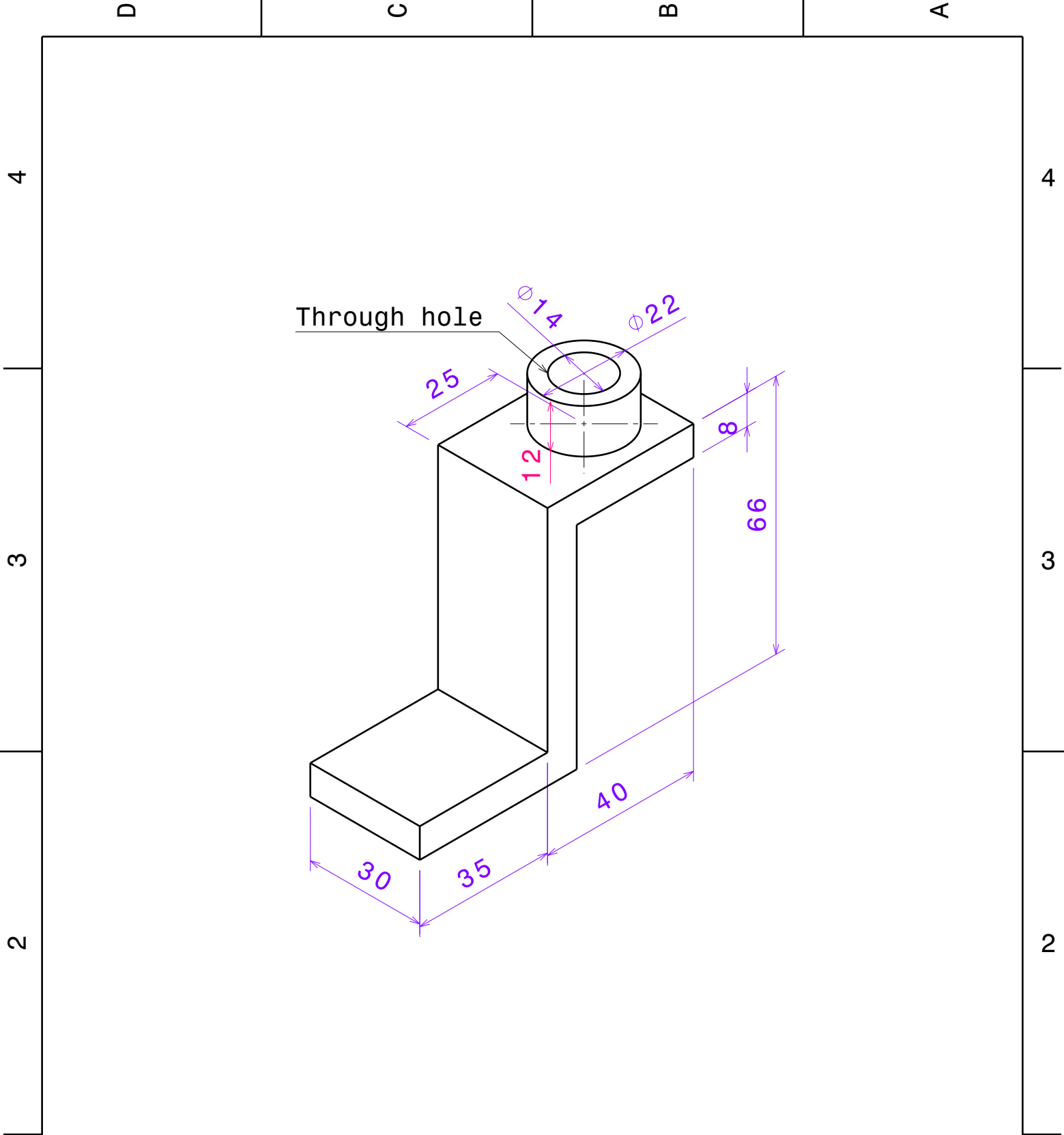
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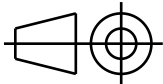
3D CAD Practice Drawings



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:
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DATE:

ENGINEERING CAD CAM CAE

SIZE
A4



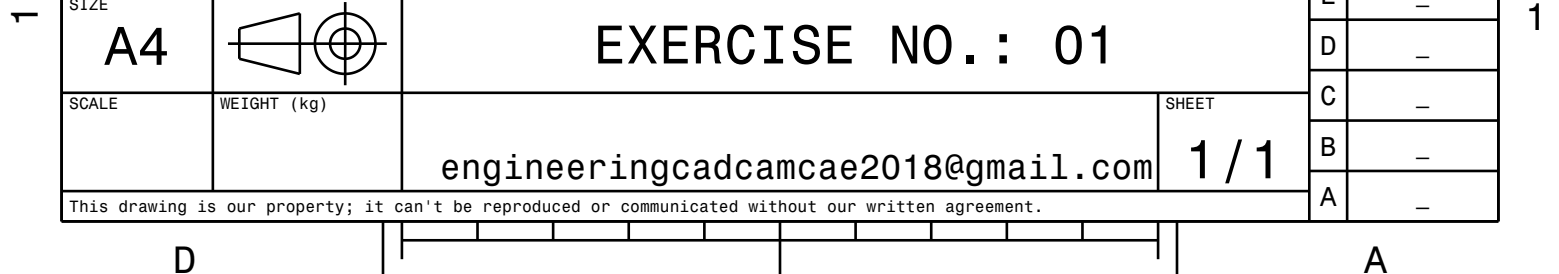
EXERCISE NO.: 01

SCALE
WEIGHT (kg)

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SHEET
1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



4

4

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2

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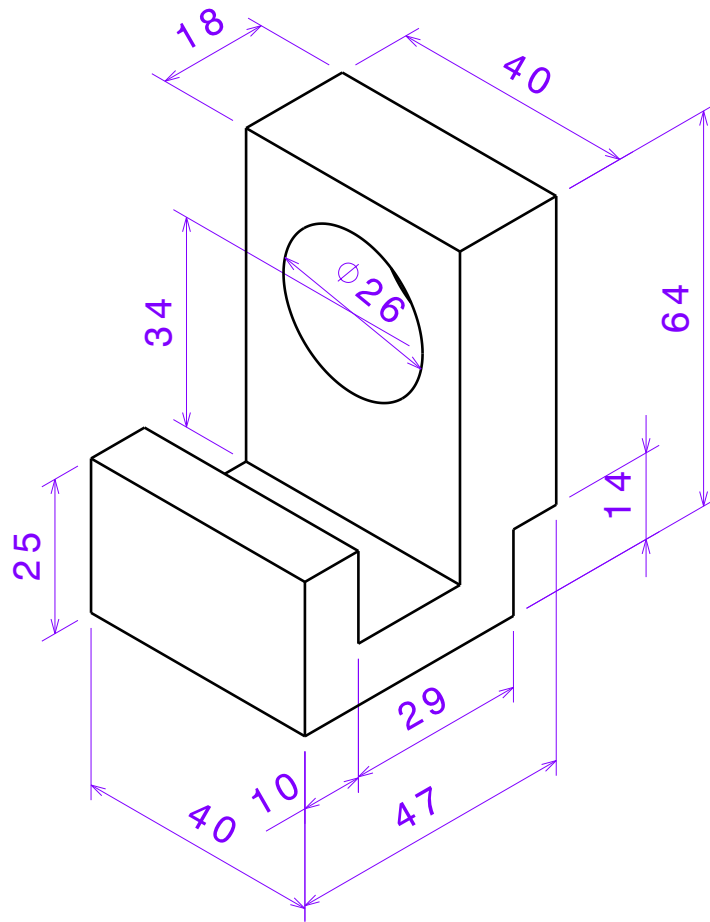
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D

C

B

A



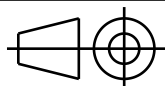
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SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 02

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SHEET

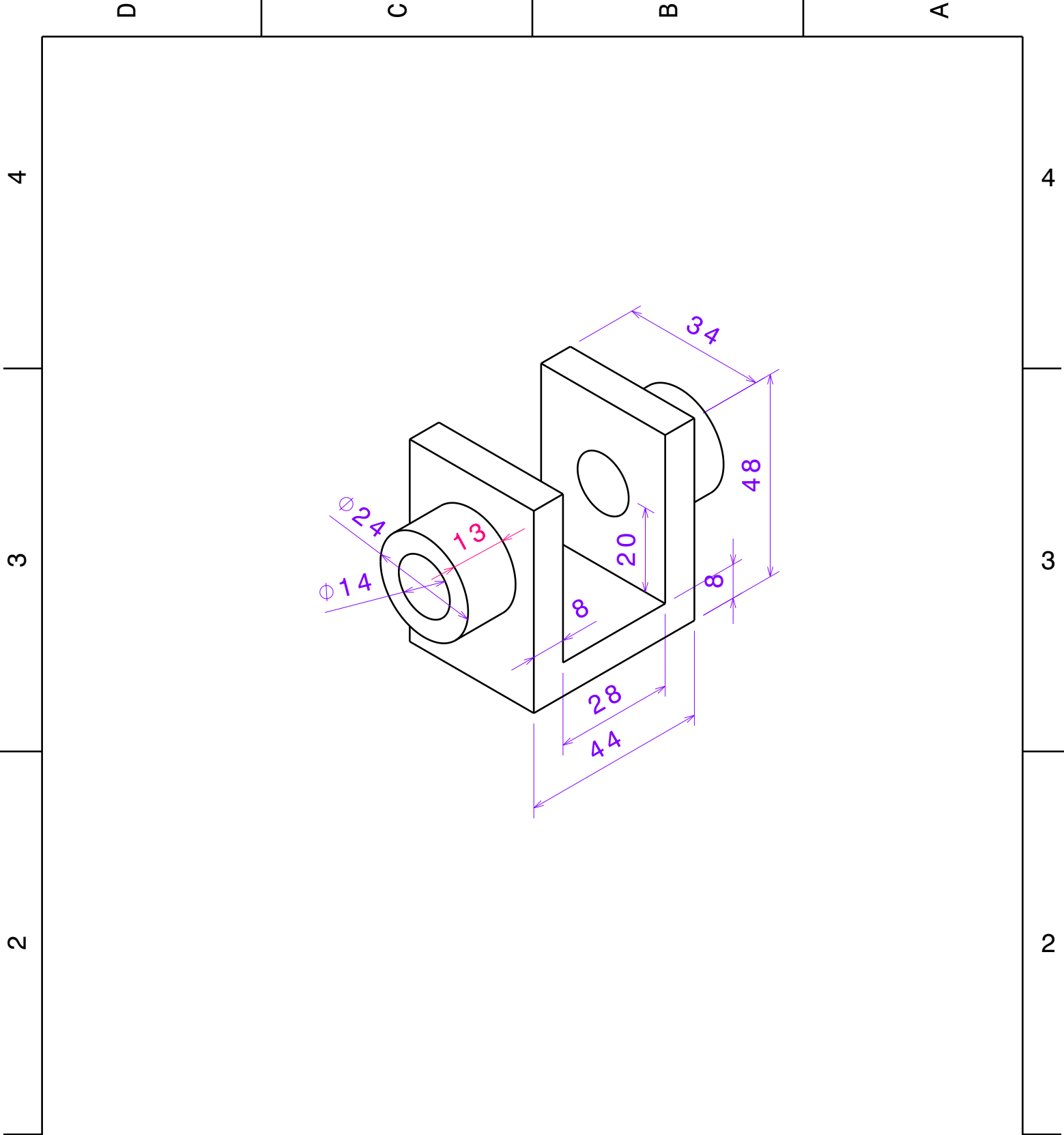
1 / 1

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

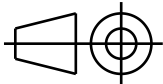
A



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DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

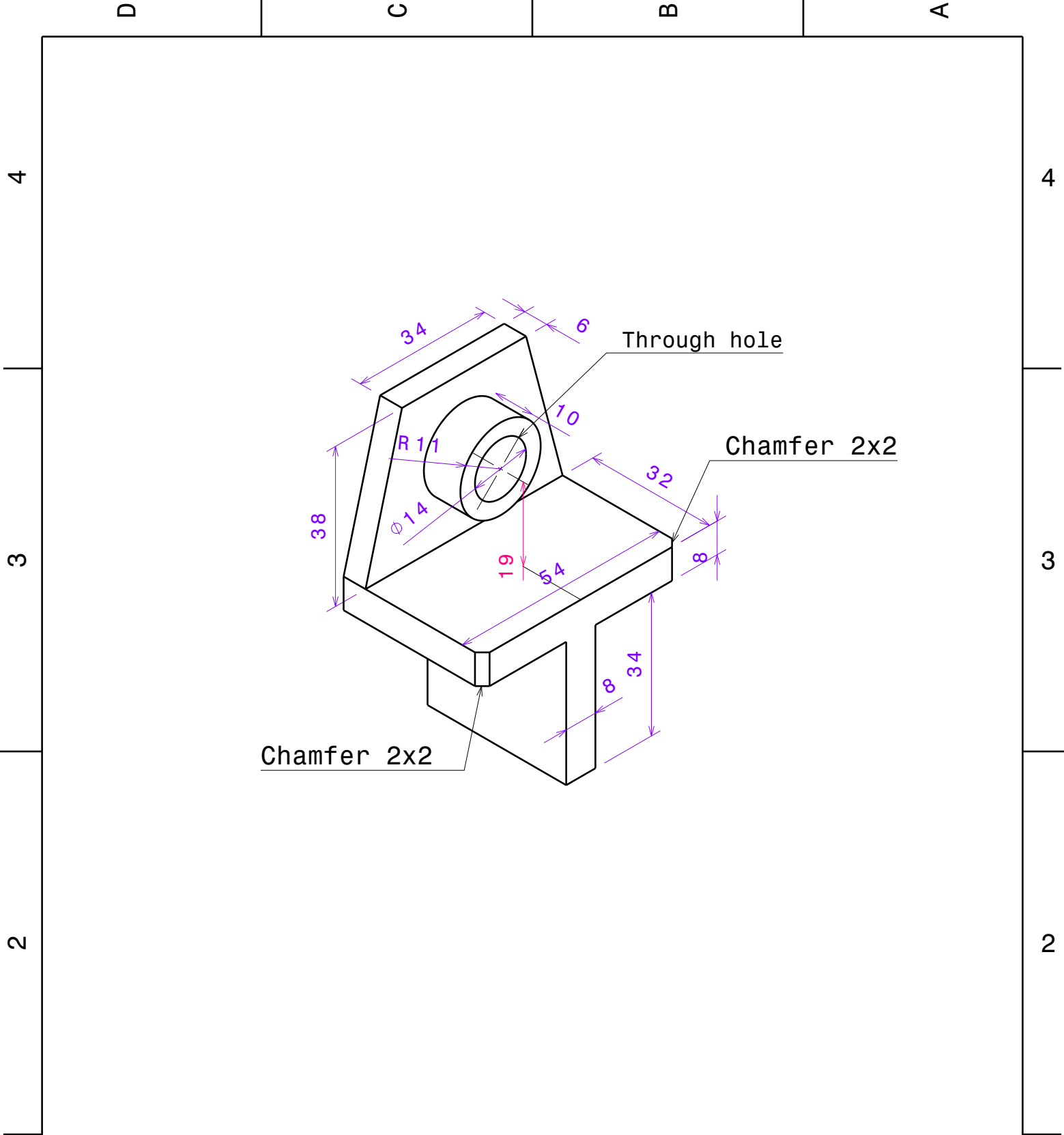
EXERCISE NO.: 03

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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	—



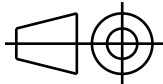
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DATE:

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SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 04

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SHEET

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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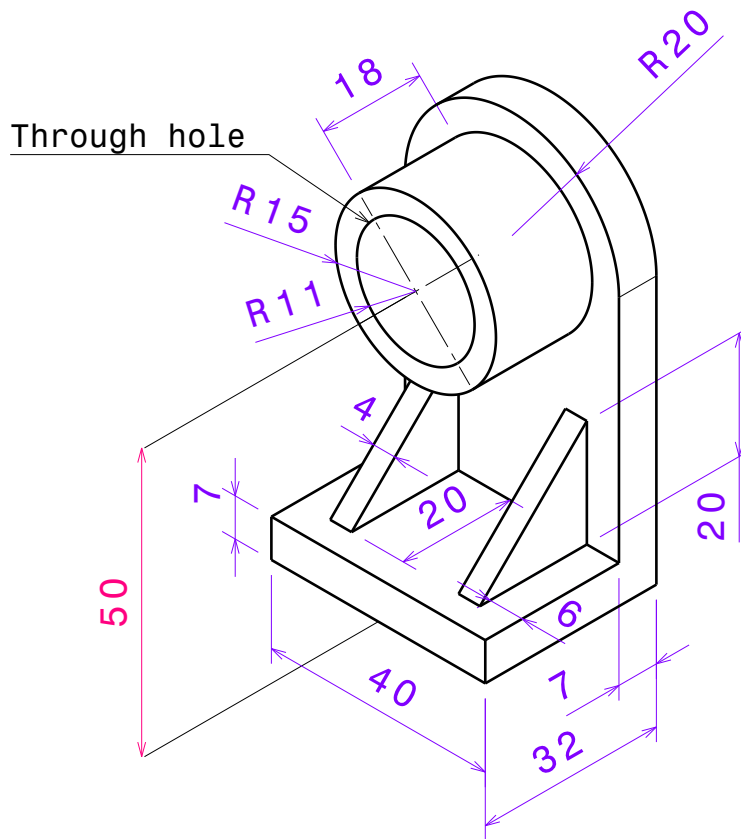
1

D

C

B

A



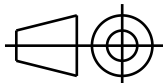
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DATE:

CHECKED BY:

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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

A

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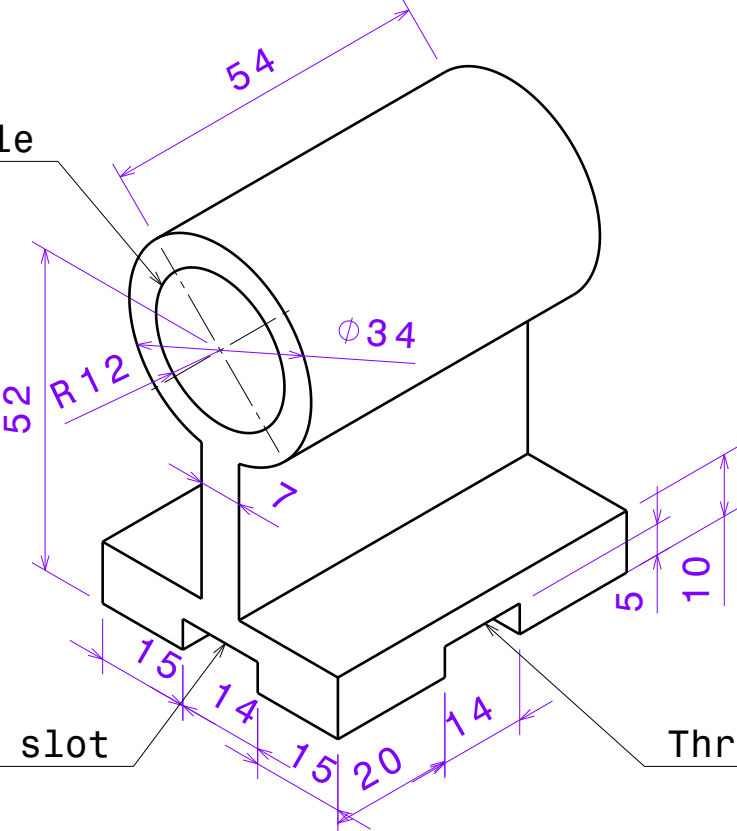
2

1

Through hole

Through slot

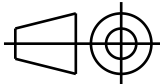
Through slot



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DATE:

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DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

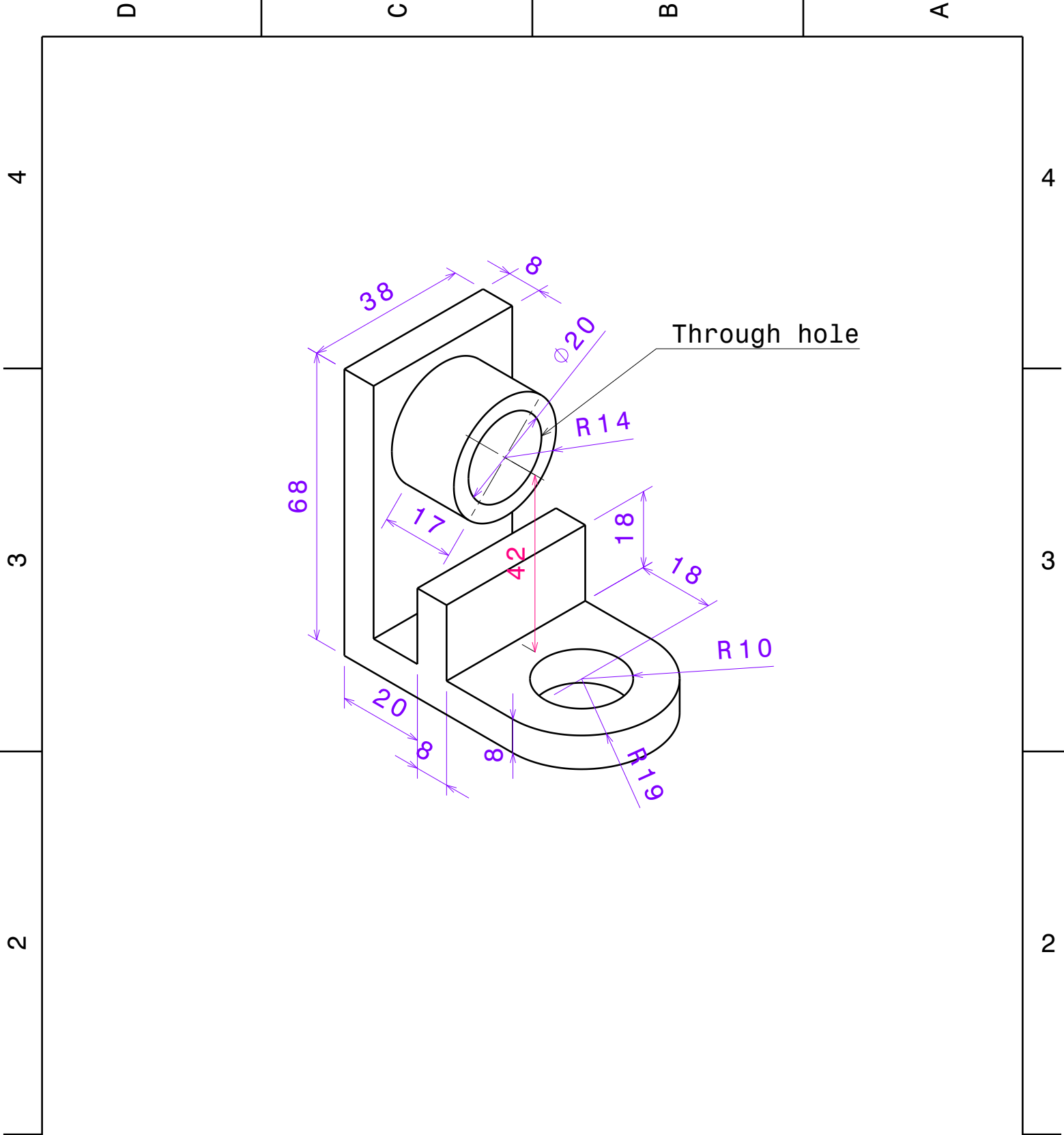
EXERCISE NO.: 06

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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	—



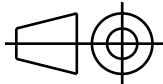
DESIGNED BY:
LAKSHMI SHARATH .B
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SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 07

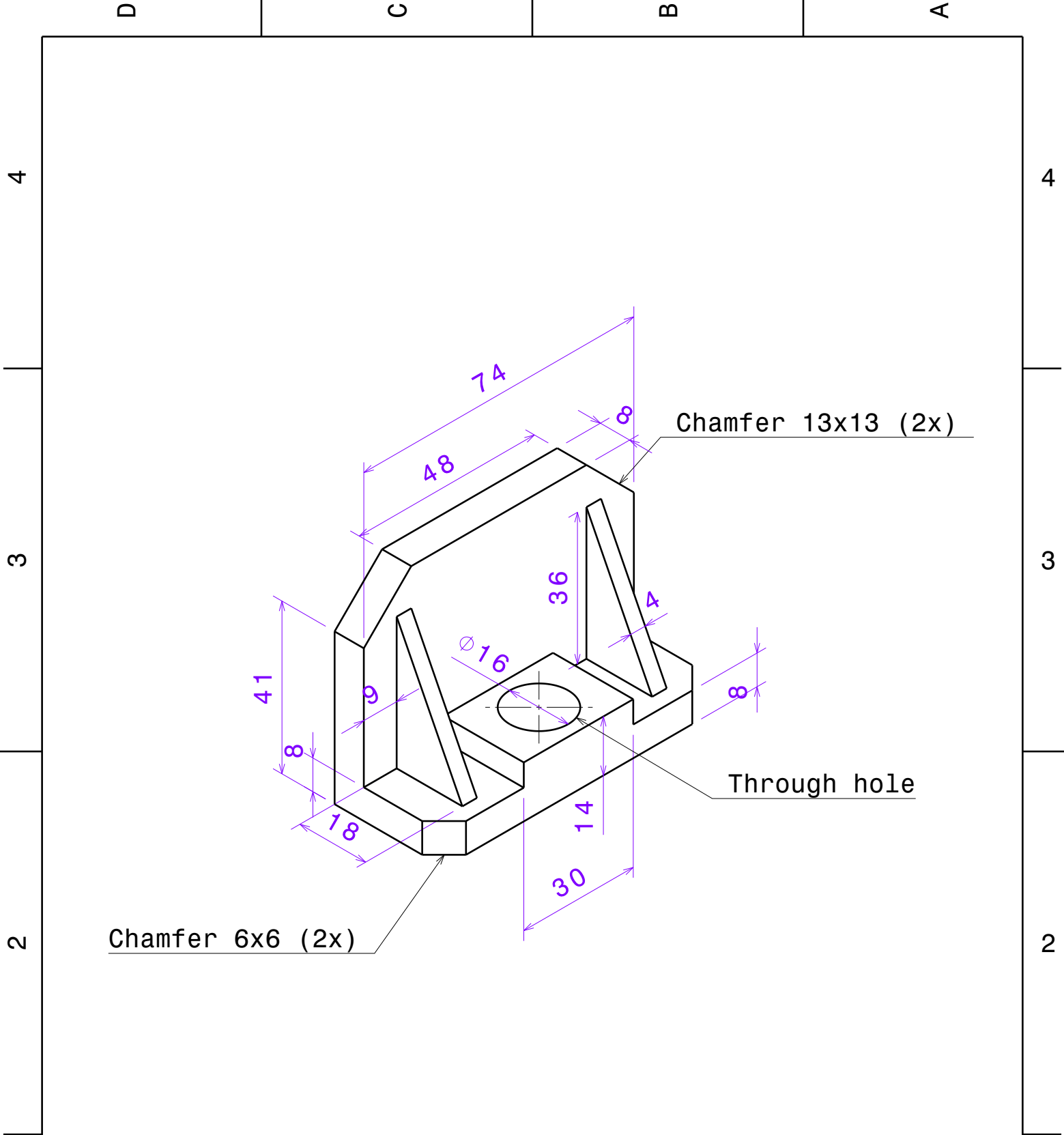
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SHEET

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	—



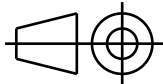
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DATE:

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SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 08

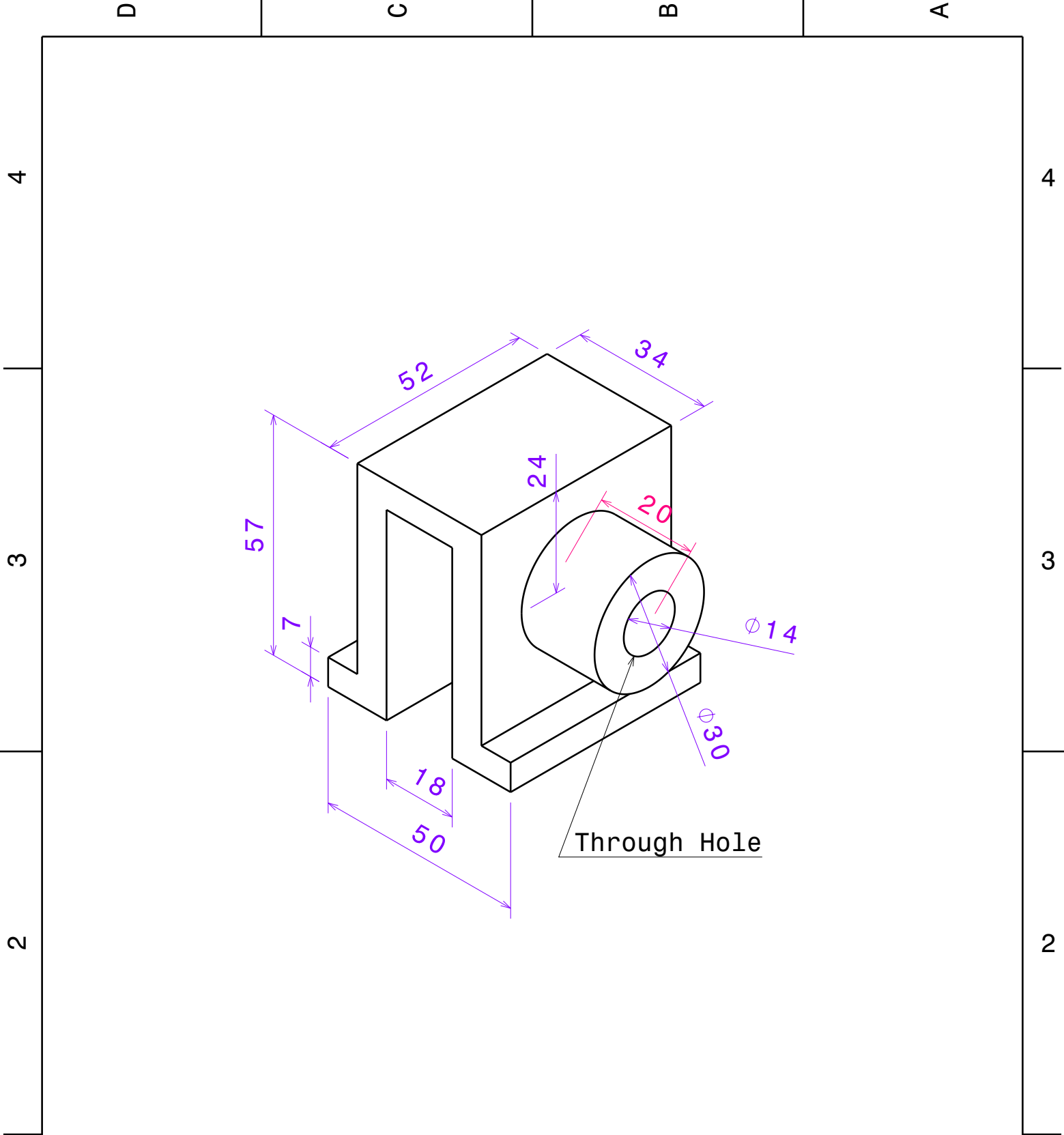
engineeringcadcamcae2018@gmail.com

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	—



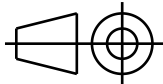
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 09

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SHEET

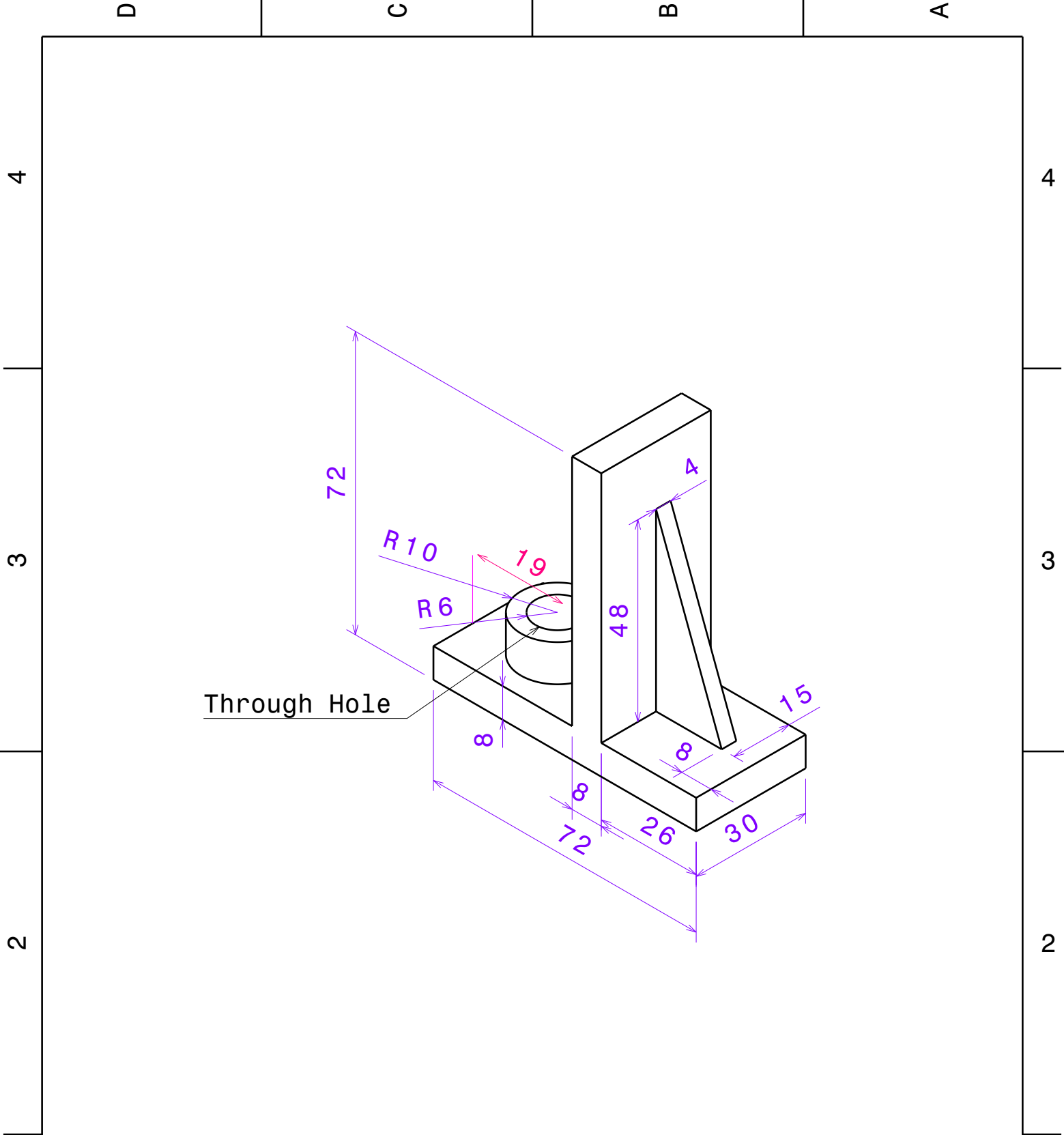
1 / 1

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



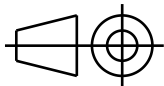
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DATE:

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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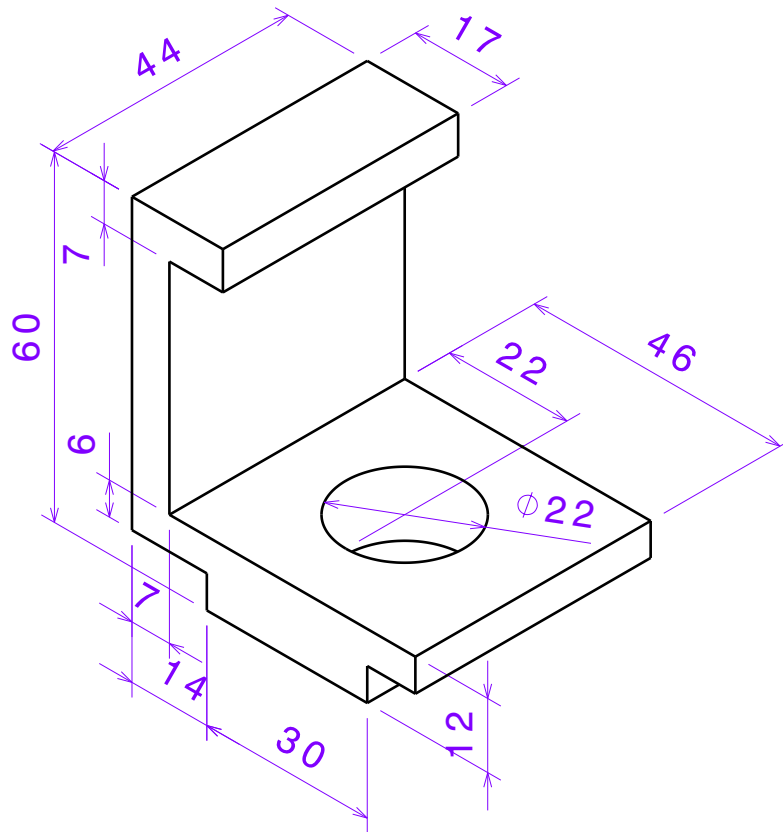
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D

C

B

A



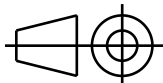
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LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 11

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SHEET

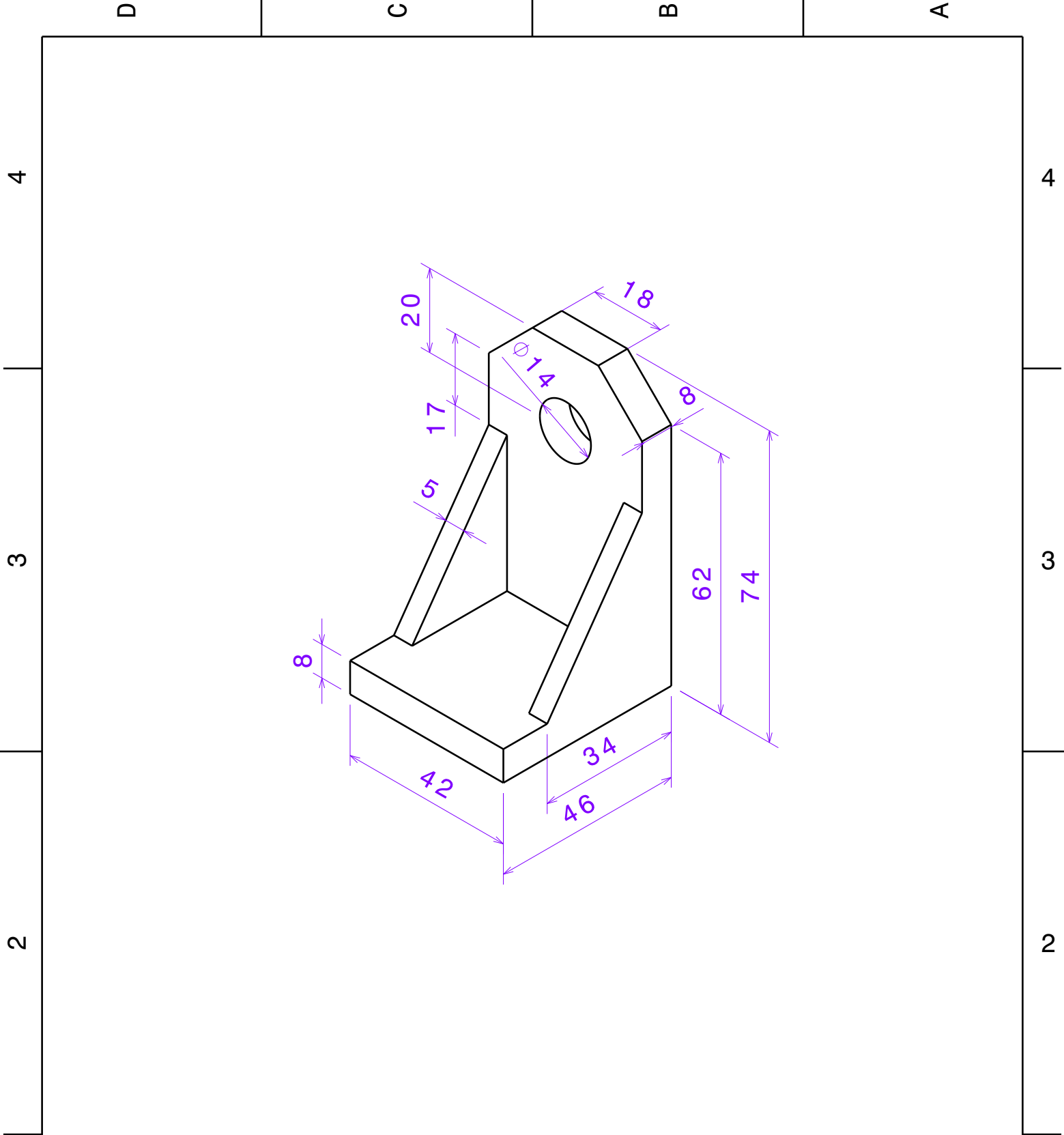
1 / 1

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

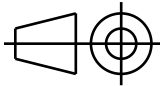
A



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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

B

A

4

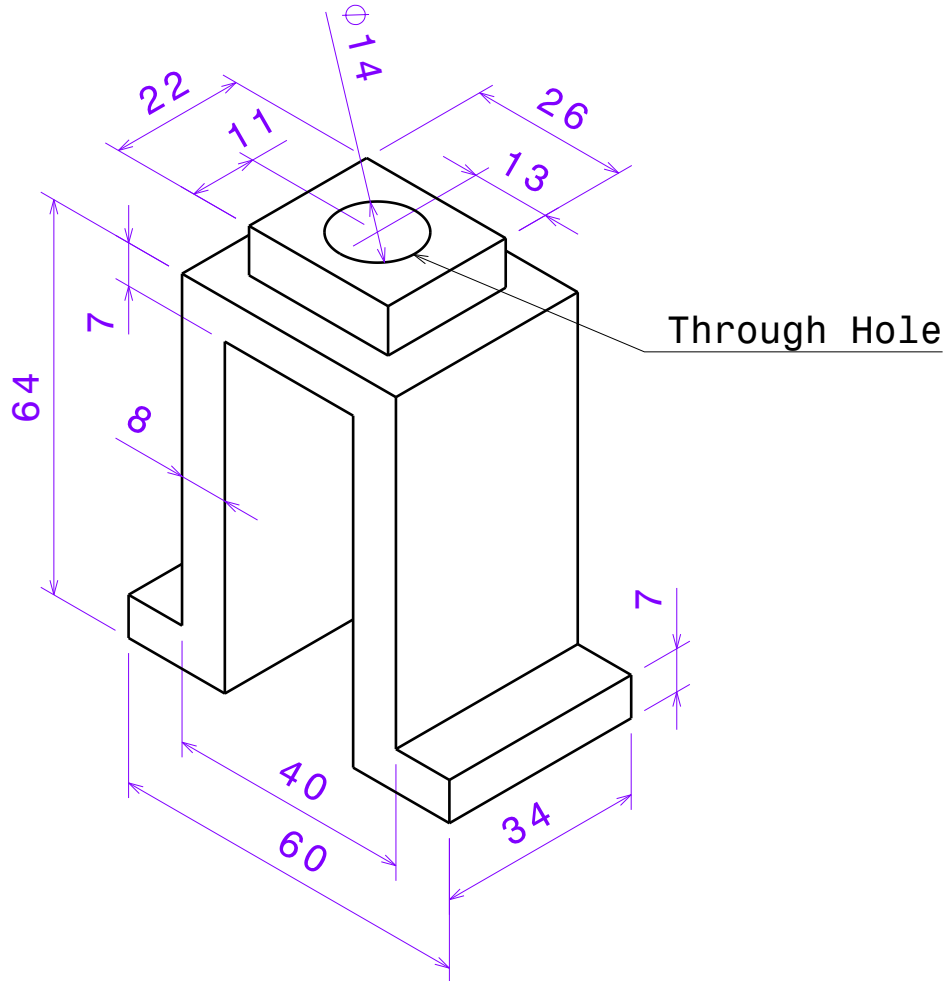
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3

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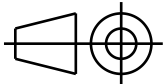
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 13

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

1

D

C

B

A

4

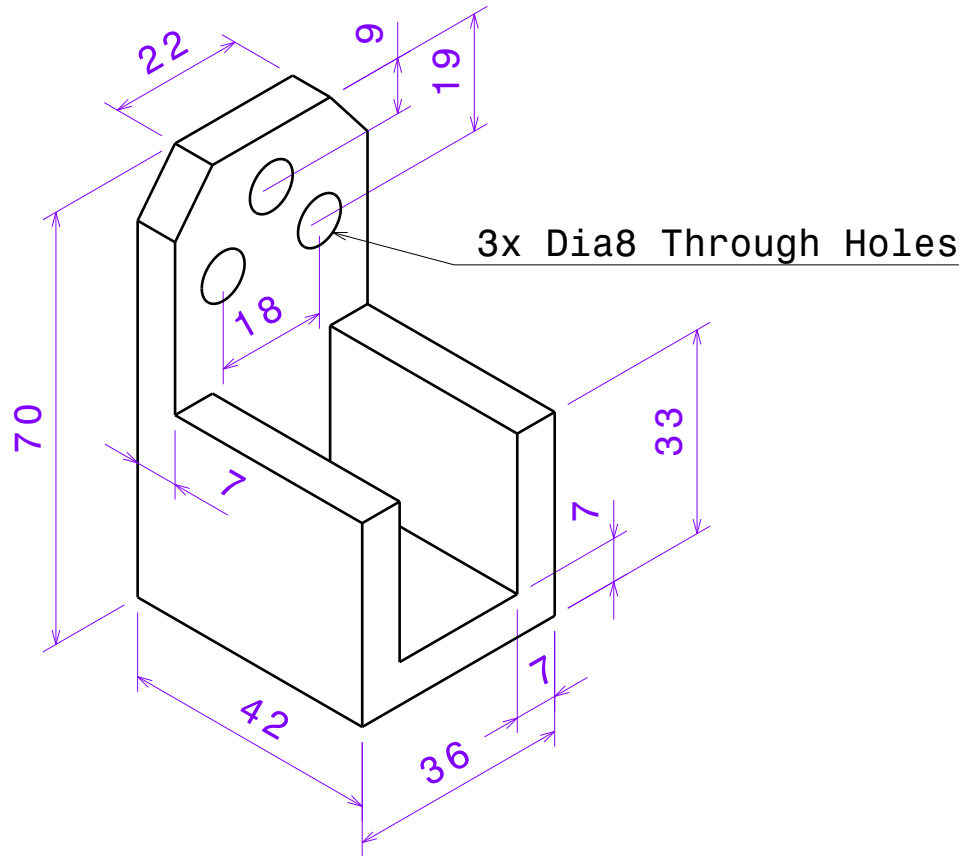
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3

3

2

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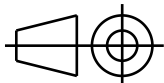
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

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

1

D

C

B

A

4

4

3

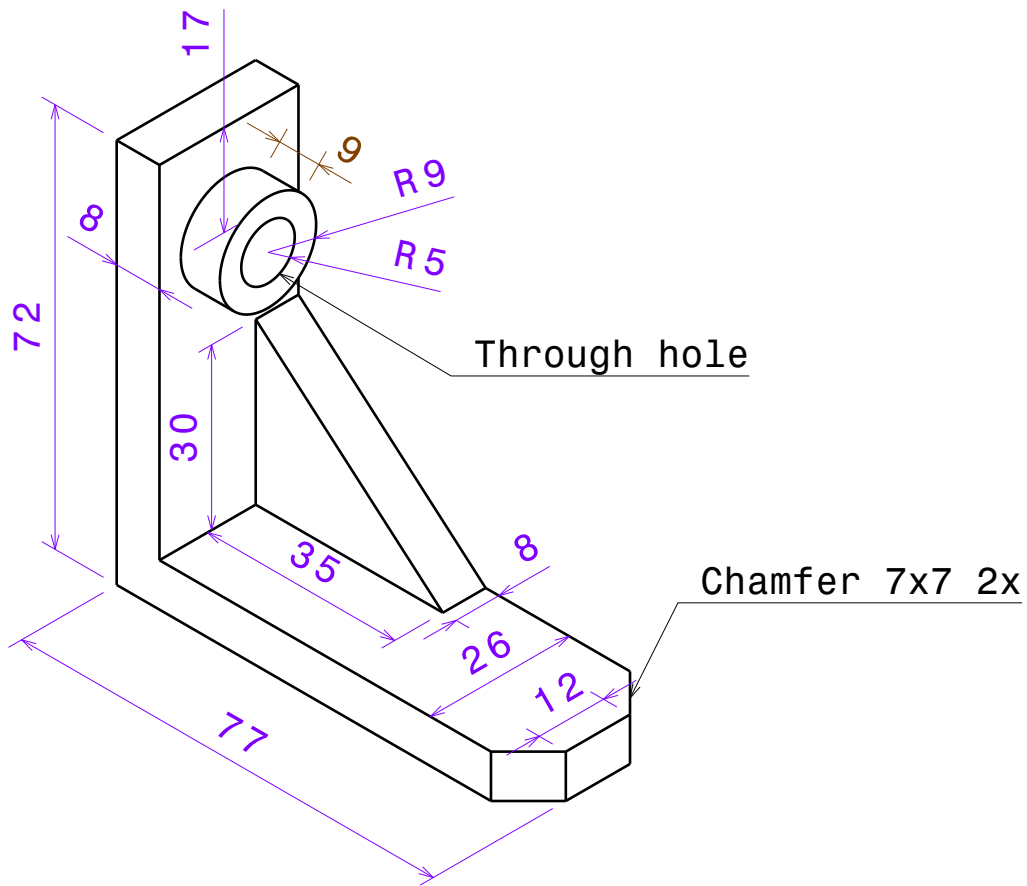
3

2

2

1

1



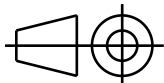
DESIGNED BY:
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 15

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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

4

3

2

1

4

3

2

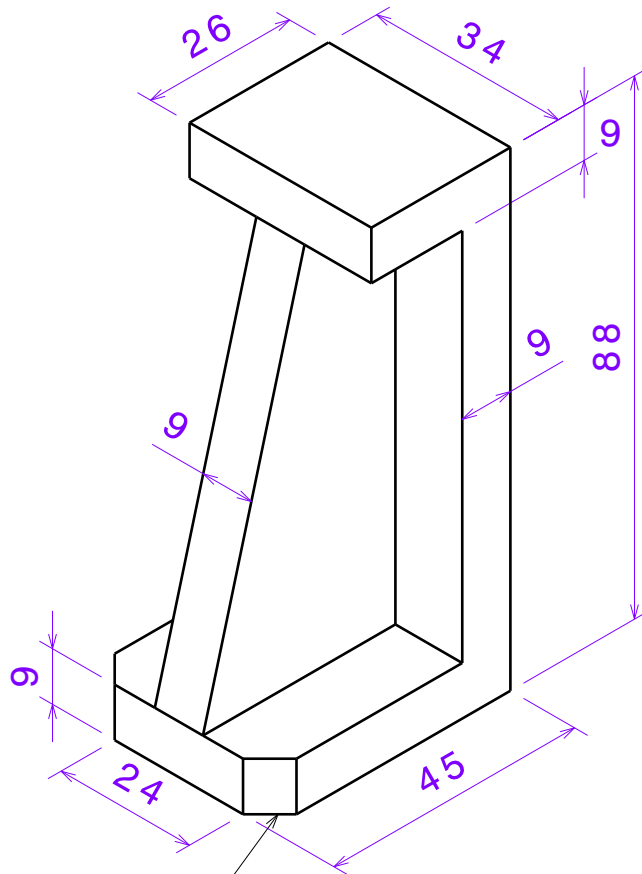
1

D

C

B

A



Chamfer 5x5 2x

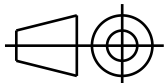
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LAKSHMI SHARATH .B
DATE:

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	—

4

3

2

1

4

3

2

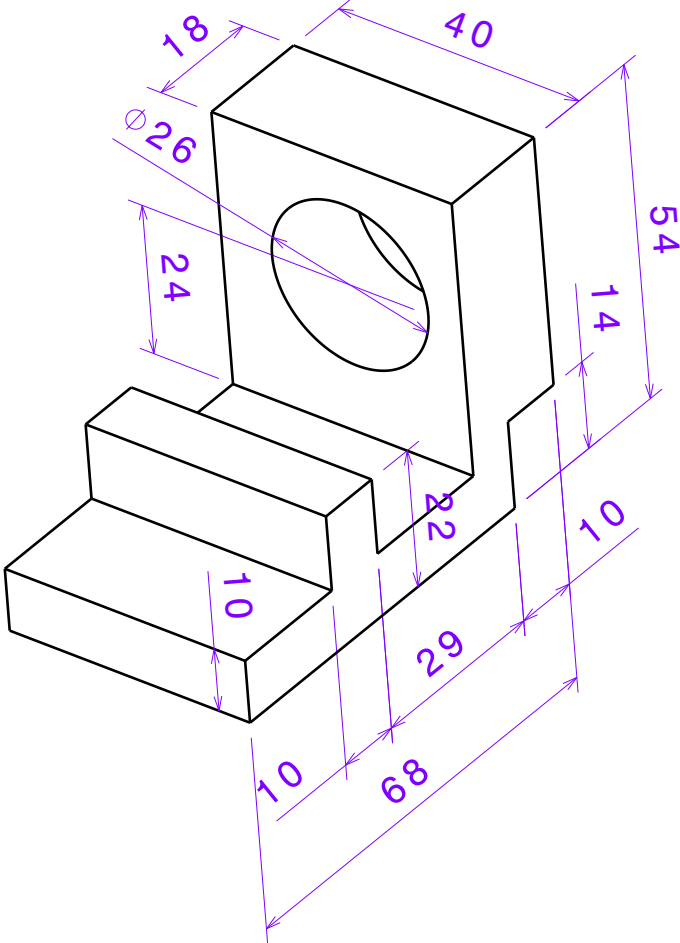
1

D

C

B

A



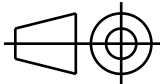
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LAKSHMI SHARATH .B
DATE:

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

A

4

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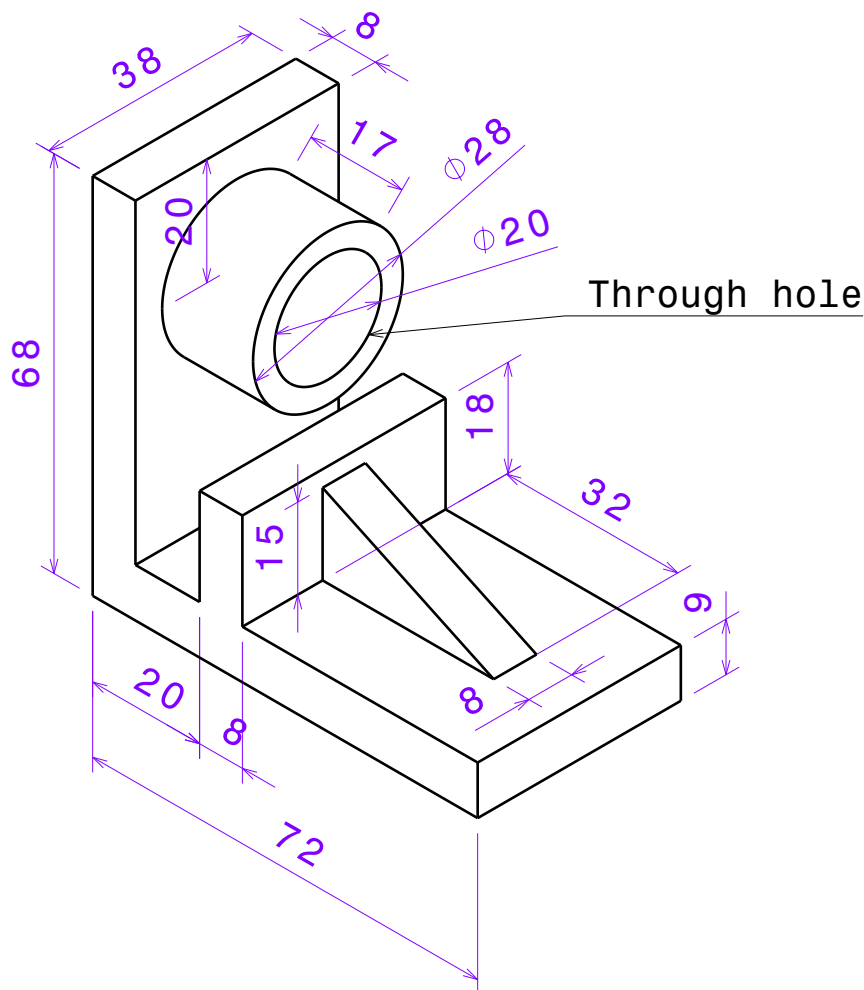
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D

C

B

A



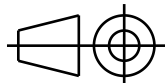
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DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 18

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SHEET

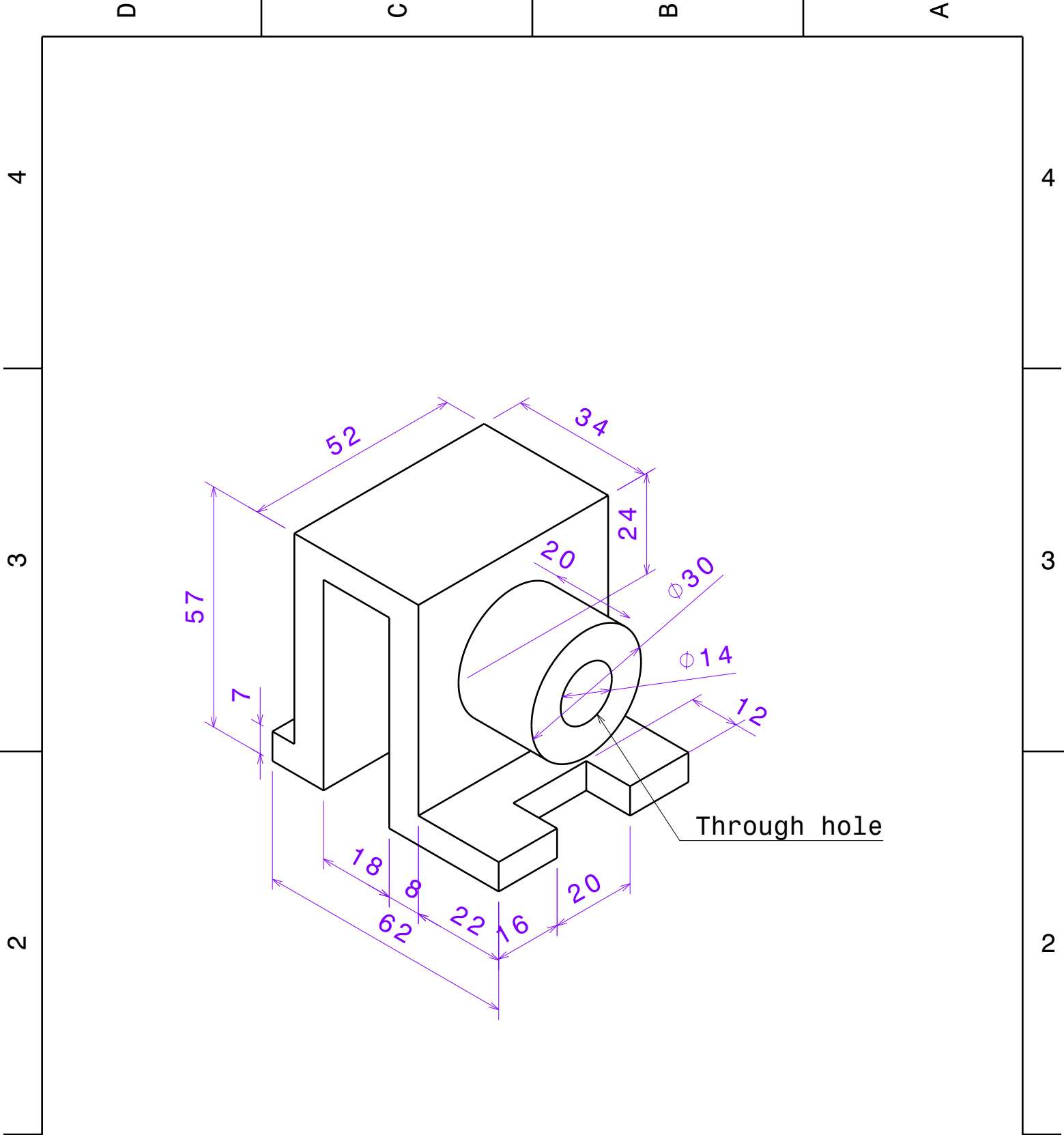
1 / 1

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



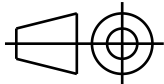
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LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 19

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

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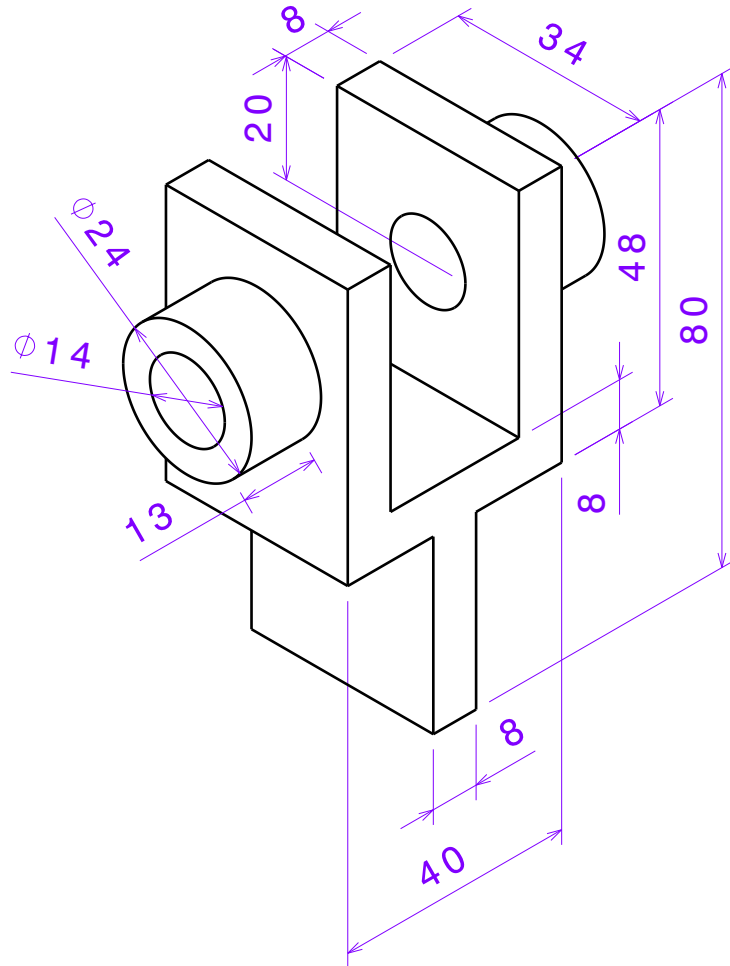
1

D

C

B

A



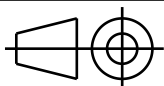
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 20

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

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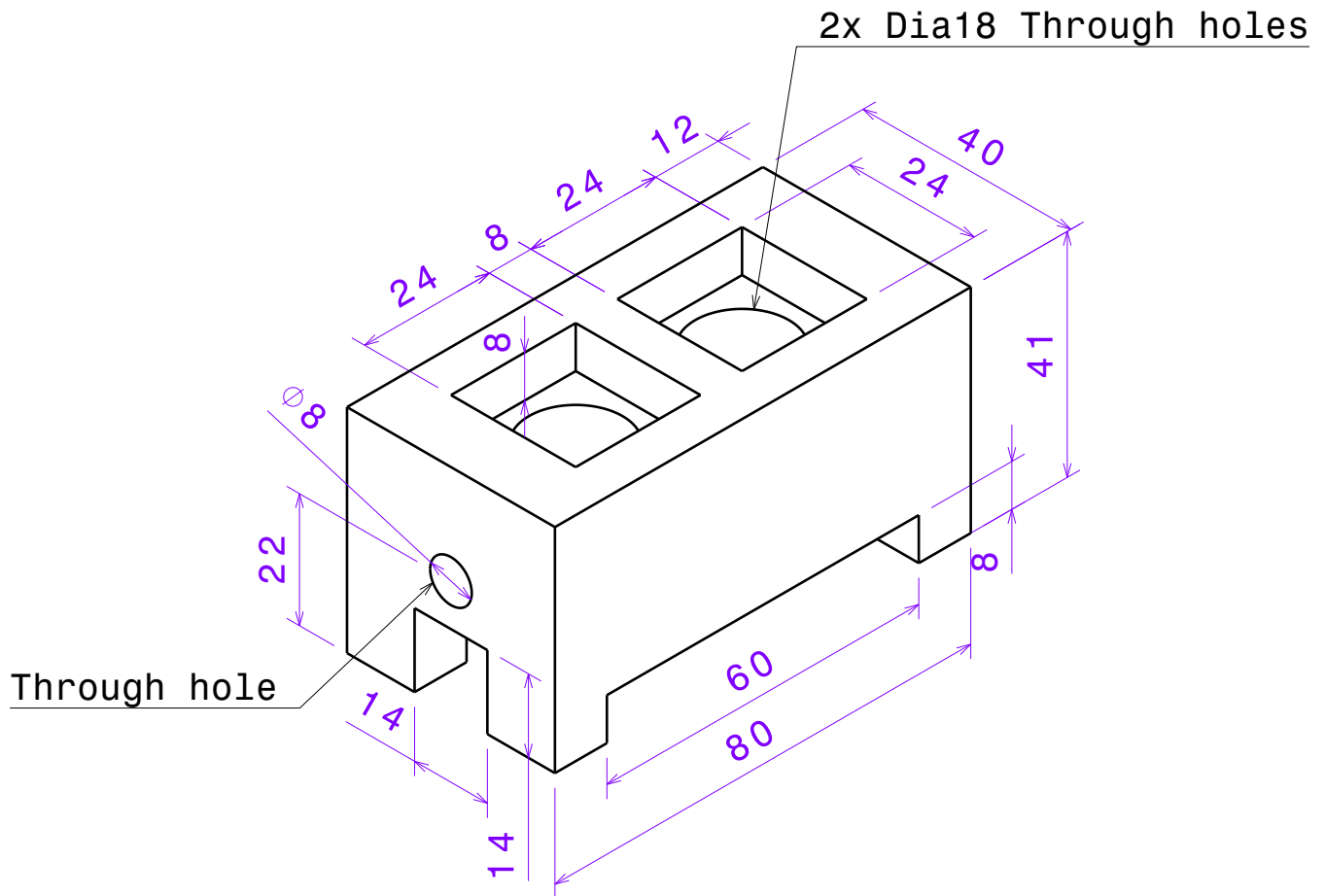
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D

C

B

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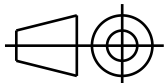
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 21

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

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2

1

D

C

B

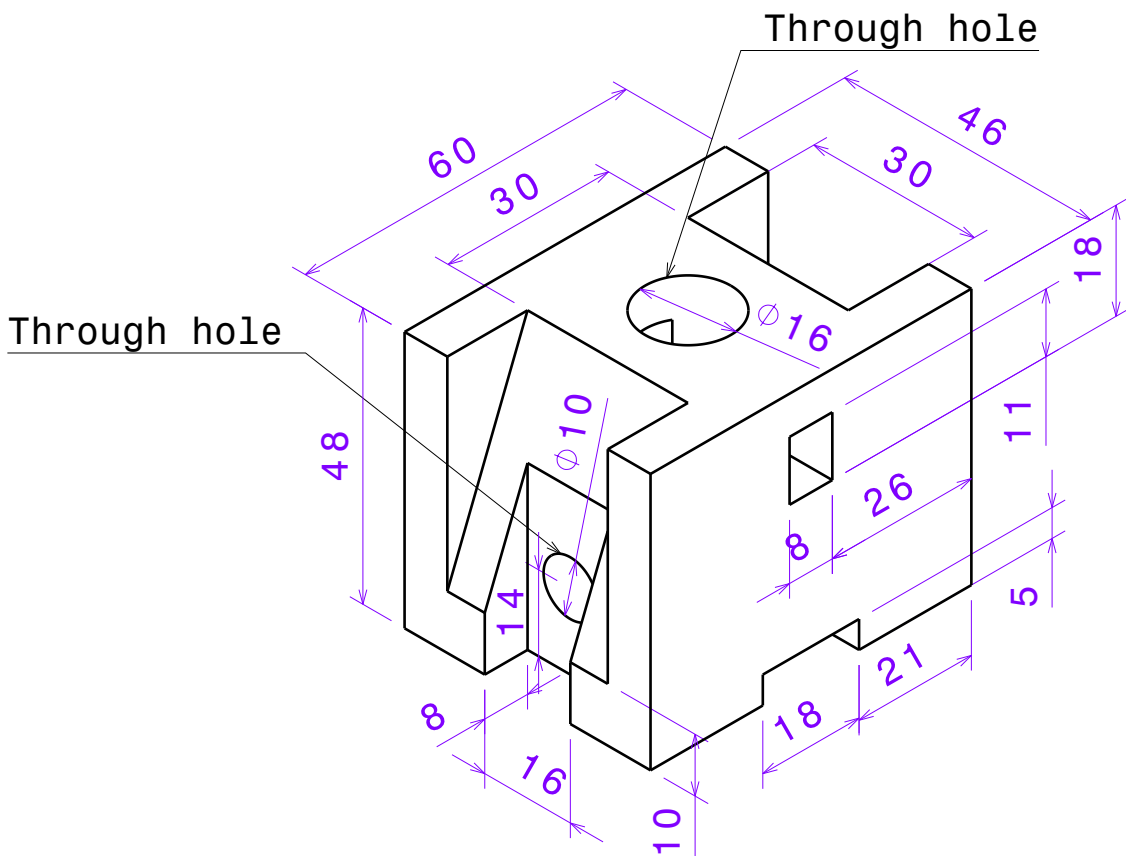
A

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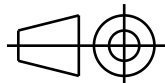
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 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	—

4

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1

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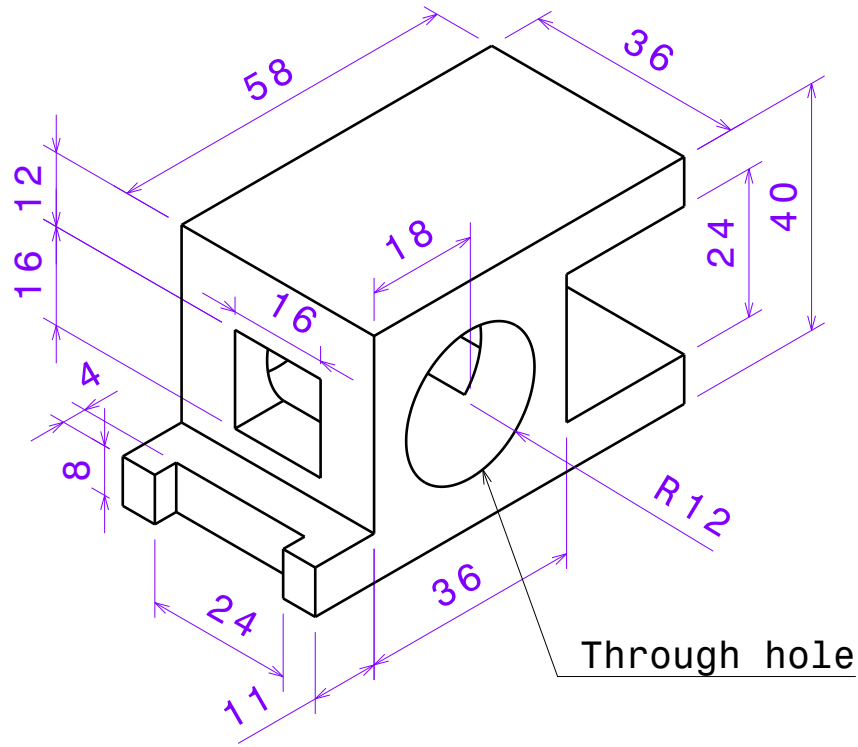
1

D

C

B

A



Through hole

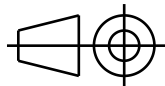
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 23

engineeringcadcamcae2018@gmail.com

SHEET

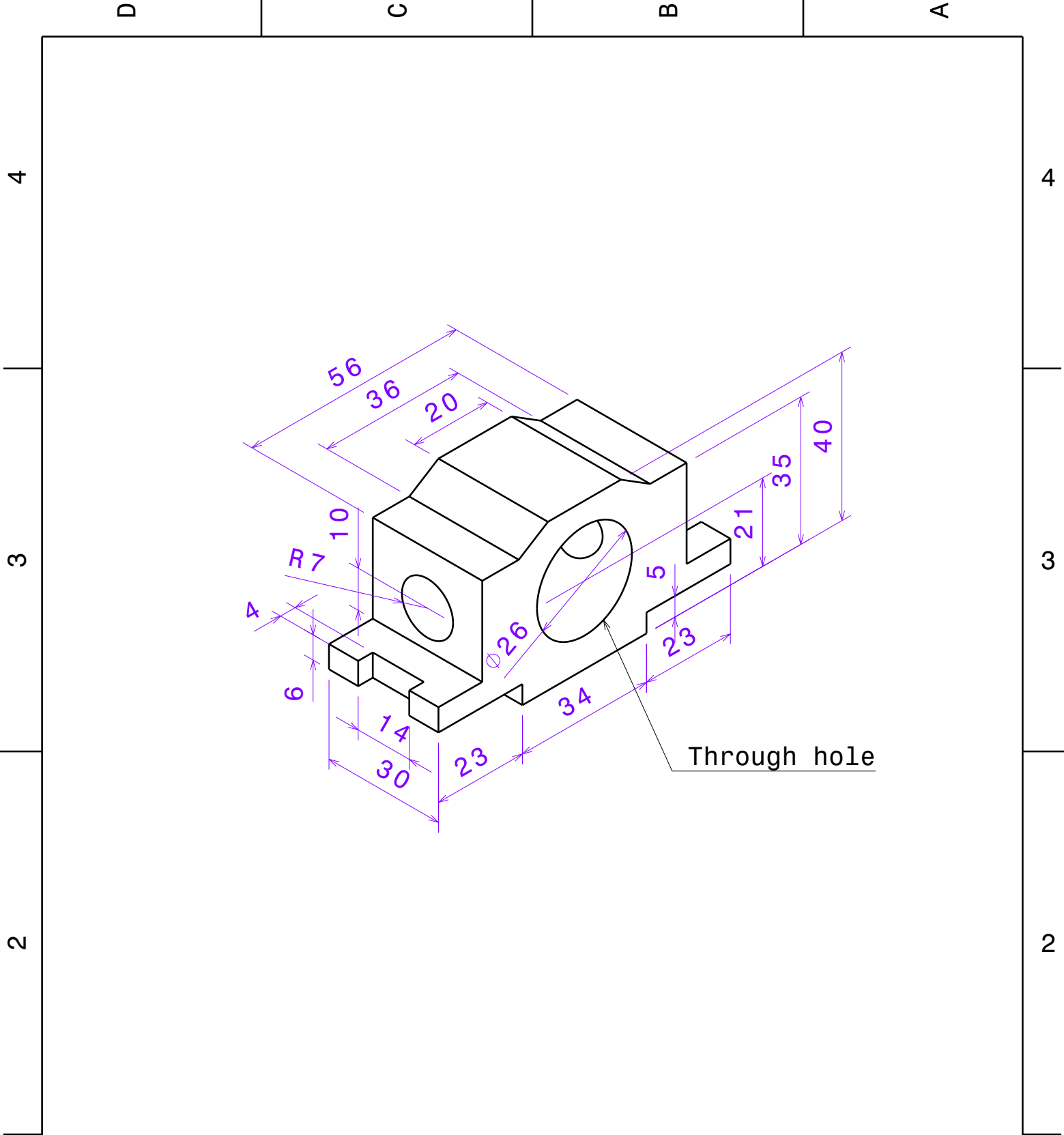
1 / 1

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



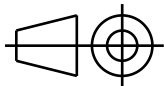
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 24

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

1

4

4

3

3

2

2

1

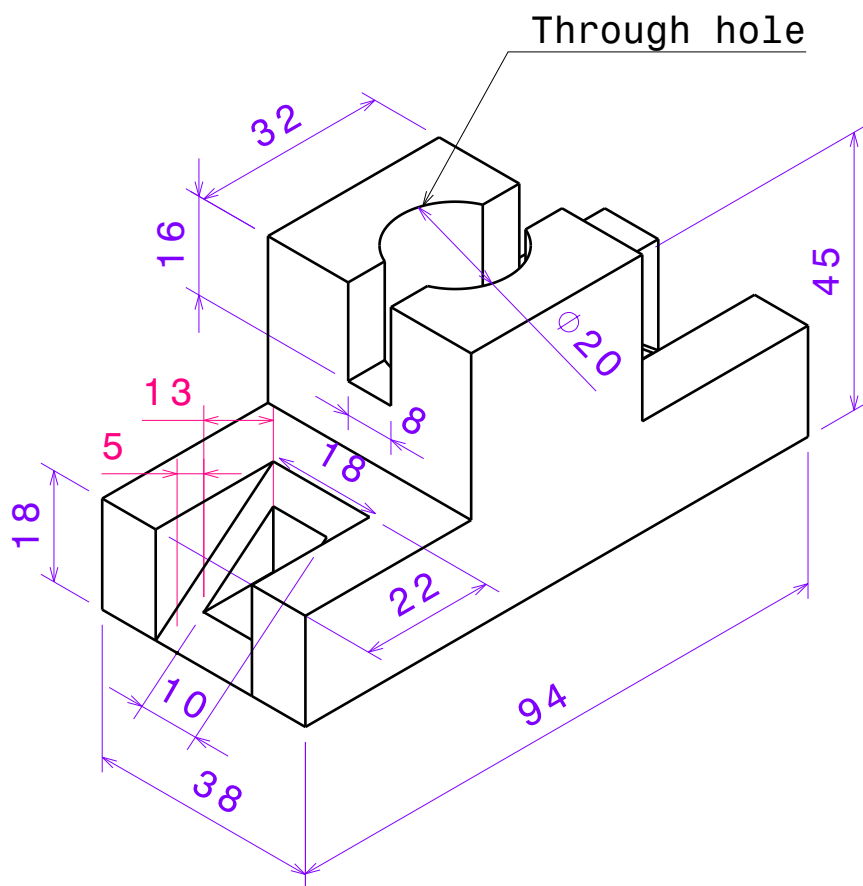
1

D

C

B

A



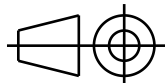
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 26

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A

4

4

3

3

2

2

1

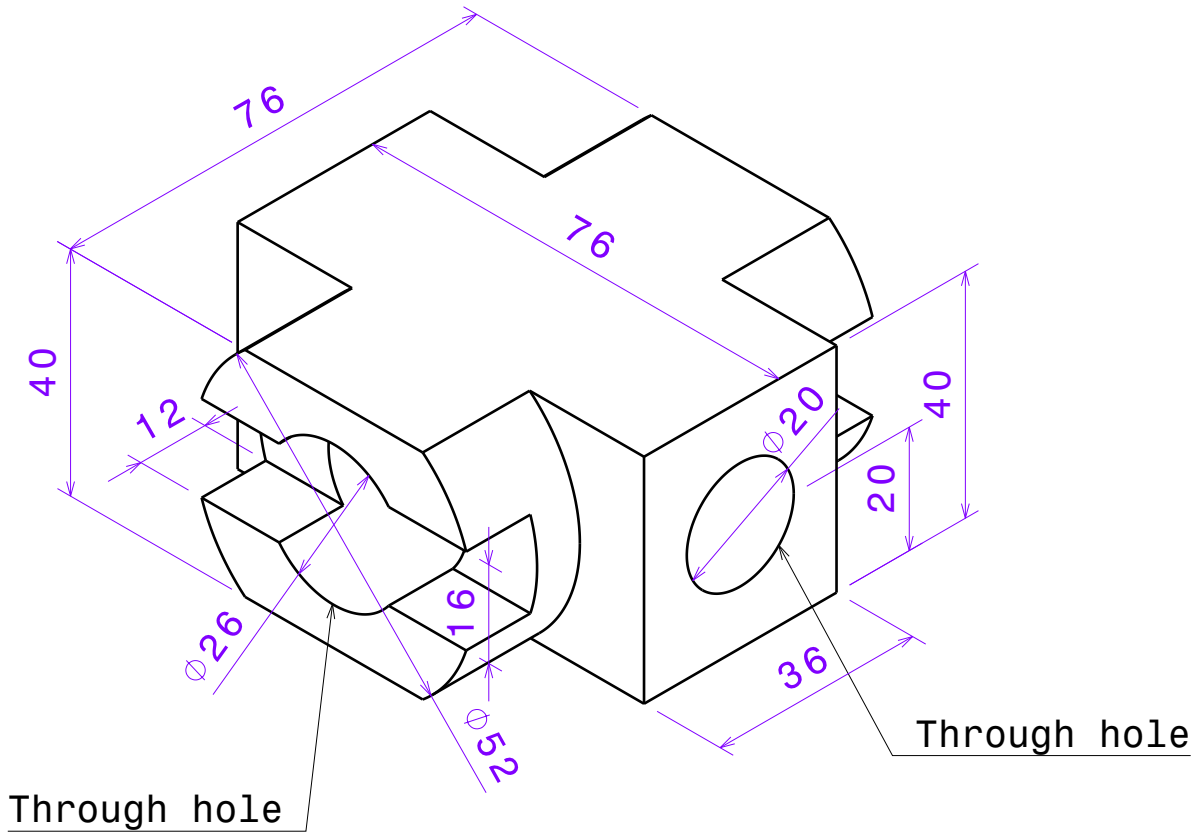
1

D

C

B

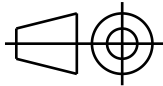
A



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 27

engineeringcadcamcae2018@gmail.com

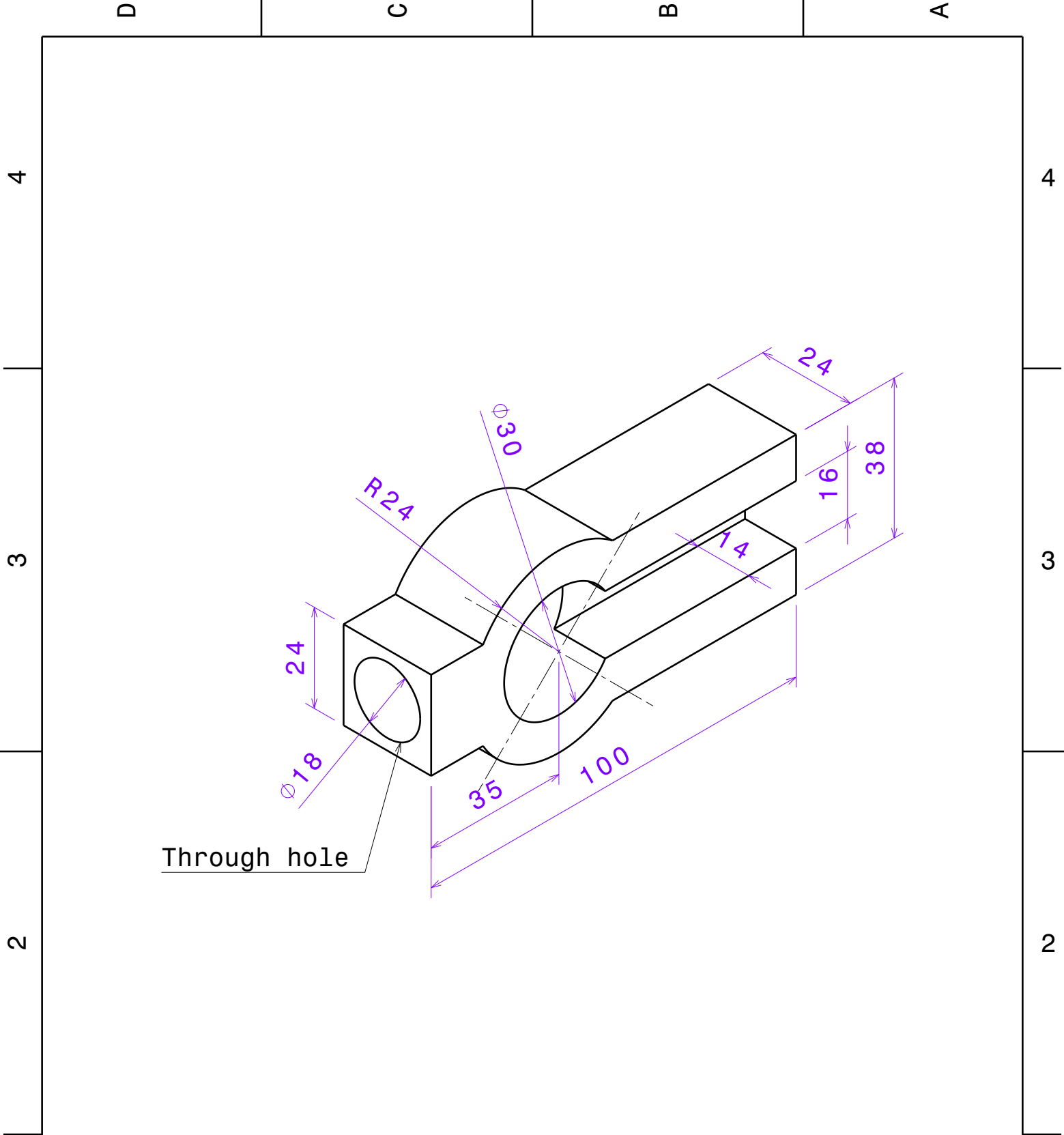
SHEET
1 / 1

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

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A



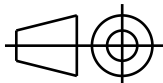
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 29

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

4

3

2

1

D

C

B

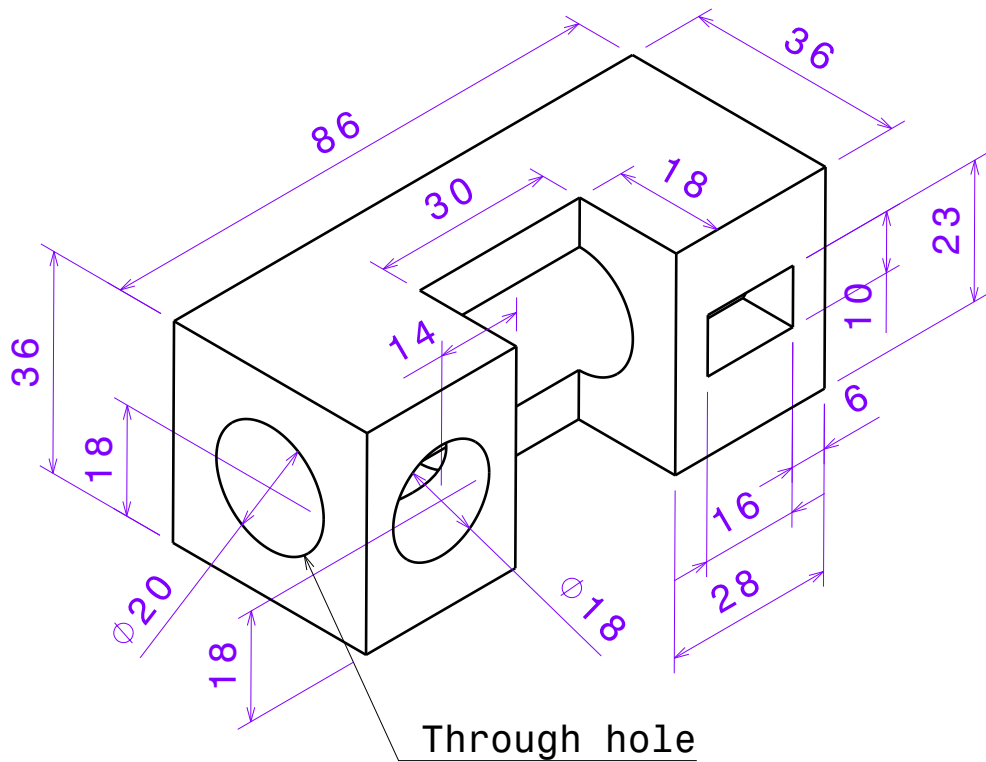
A

4

3

2

1



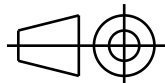
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 30

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

A

4

3

2

1

4

3

2

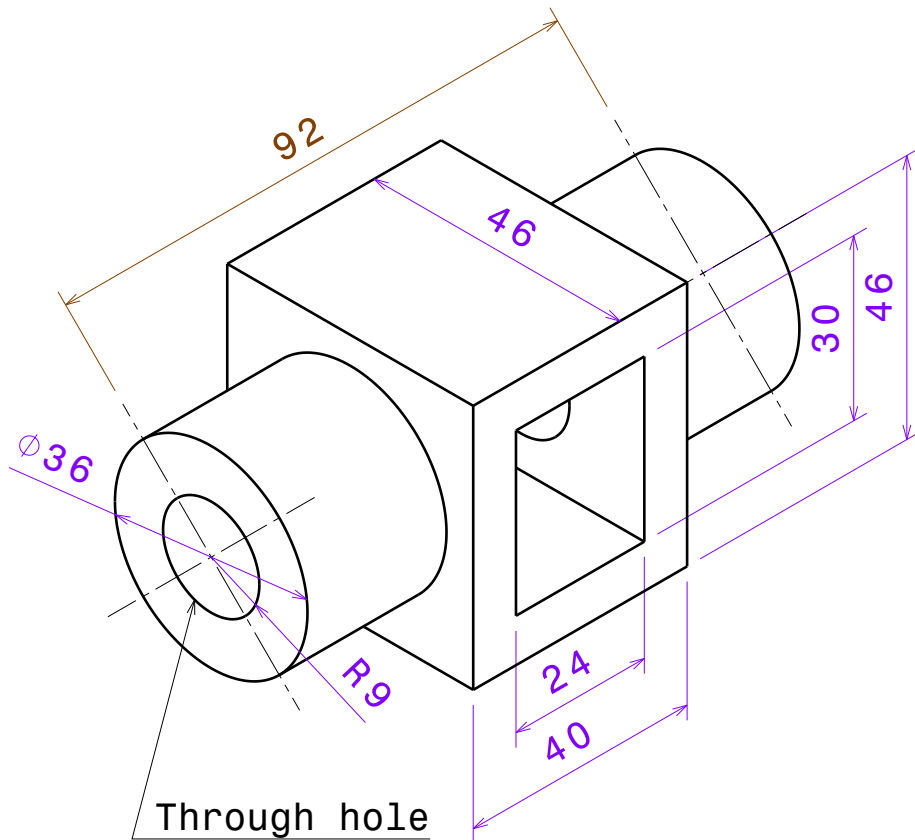
1

D

C

B

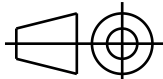
A



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 31

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

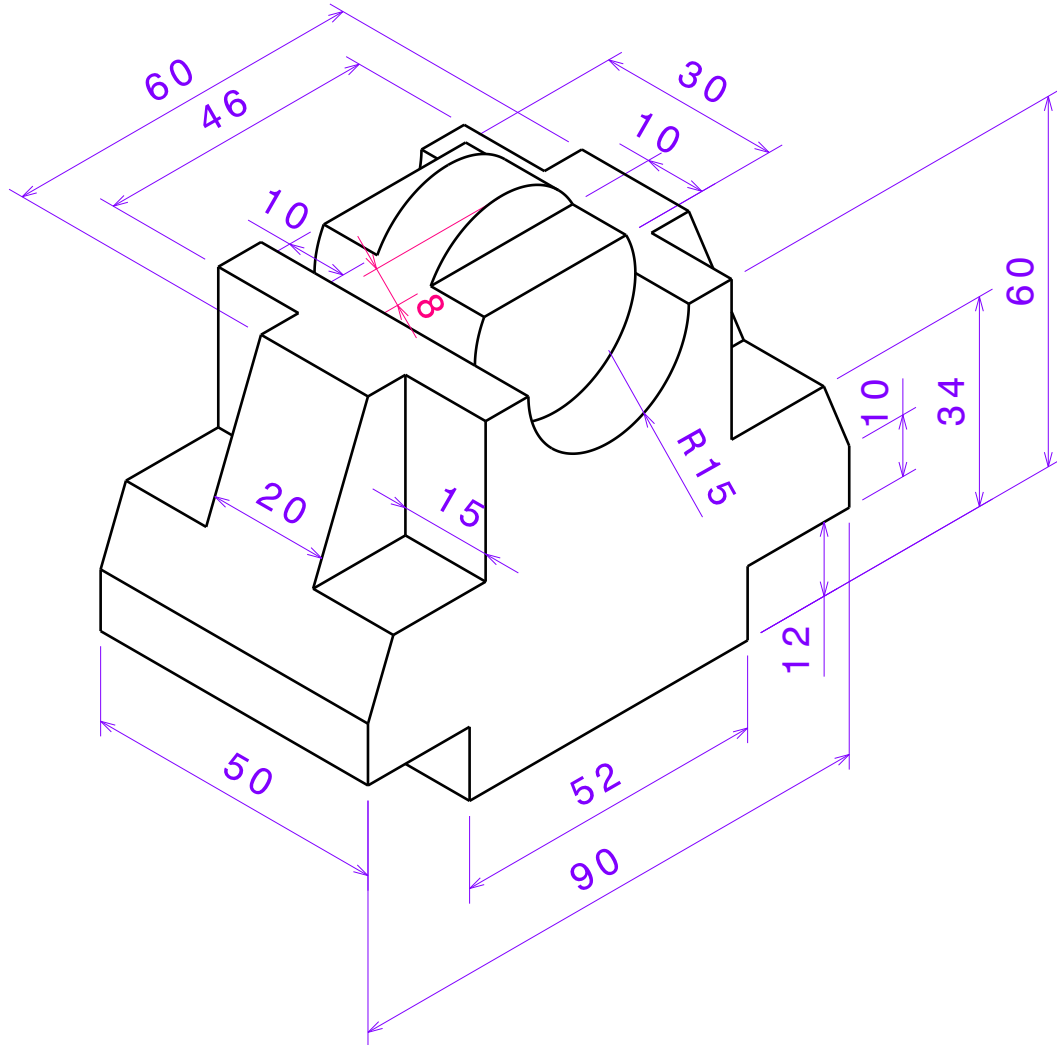
A

D

C

B

A



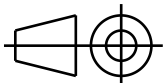
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 32

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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

2

1

4

3

2

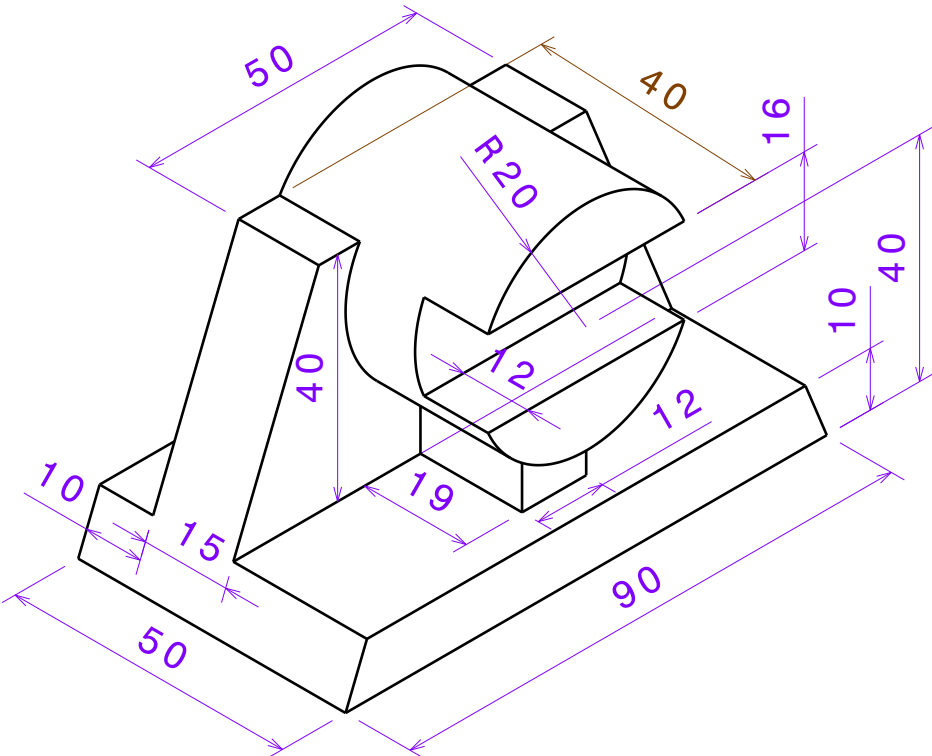
1

D

C

B

A



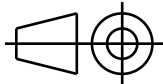
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 33

engineeringcadcamcae2018@gmail.com

SHEET

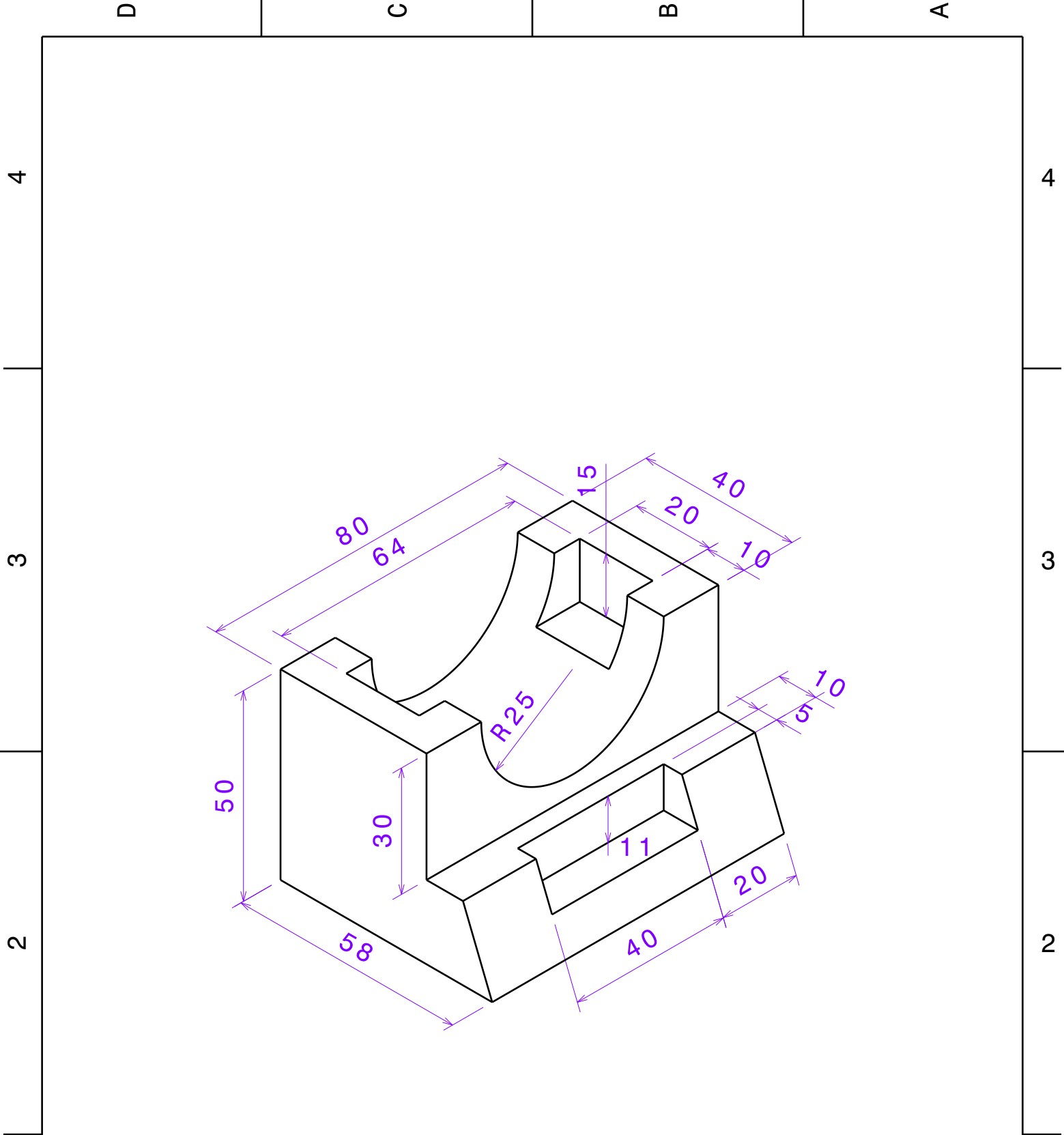
1 / 1

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

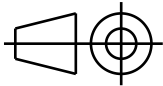
A



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

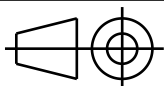
I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



DATE:

SIZE	PRICE
Small	\$12.99
Medium	\$14.99
Large	\$16.99

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 35

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I

H

G

F

E

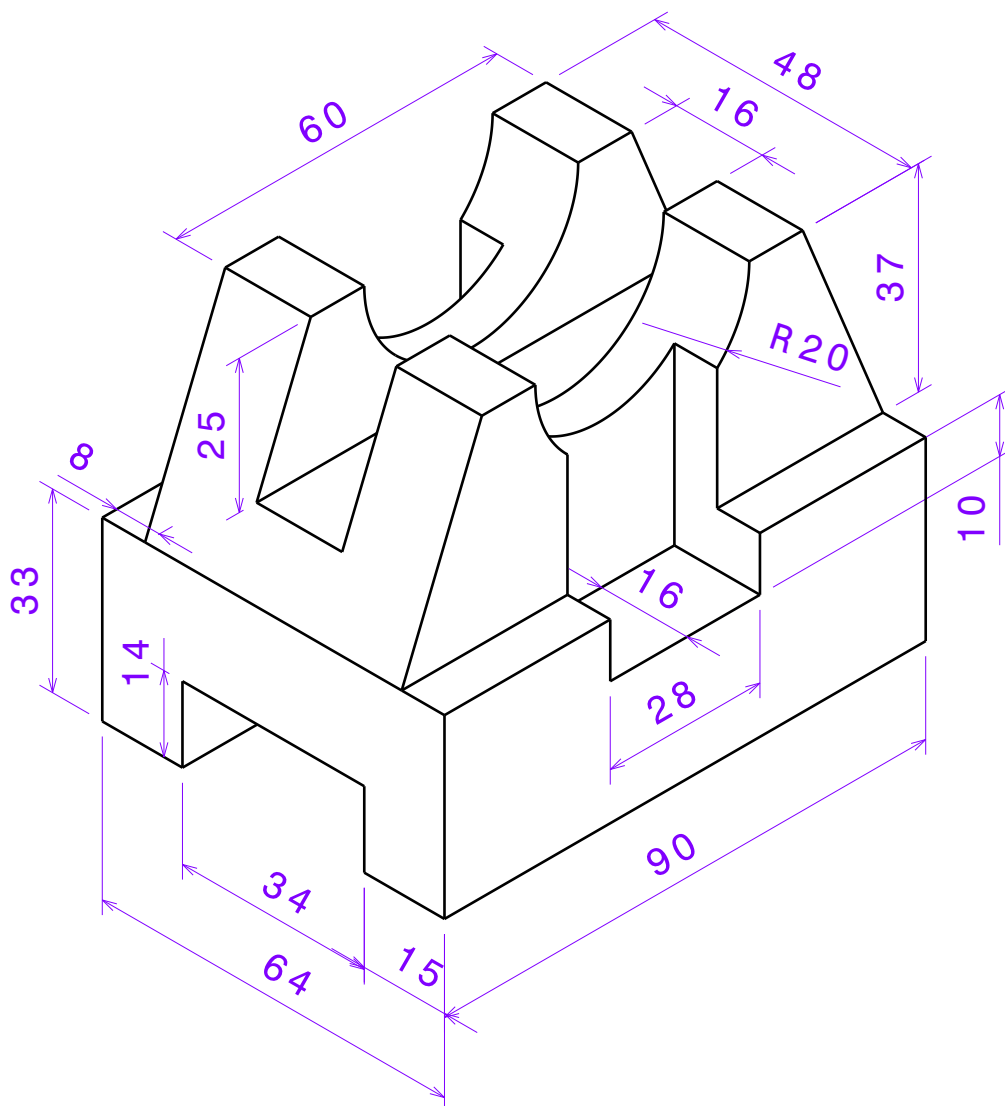
D

C

B

A

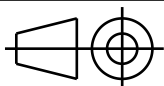
1



DATE:

	SIZE
Small	6-8
Medium	9-10
Large	11-12
X-Large	13-14
XX-Large	15-16

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 36

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I

H

1

G

F

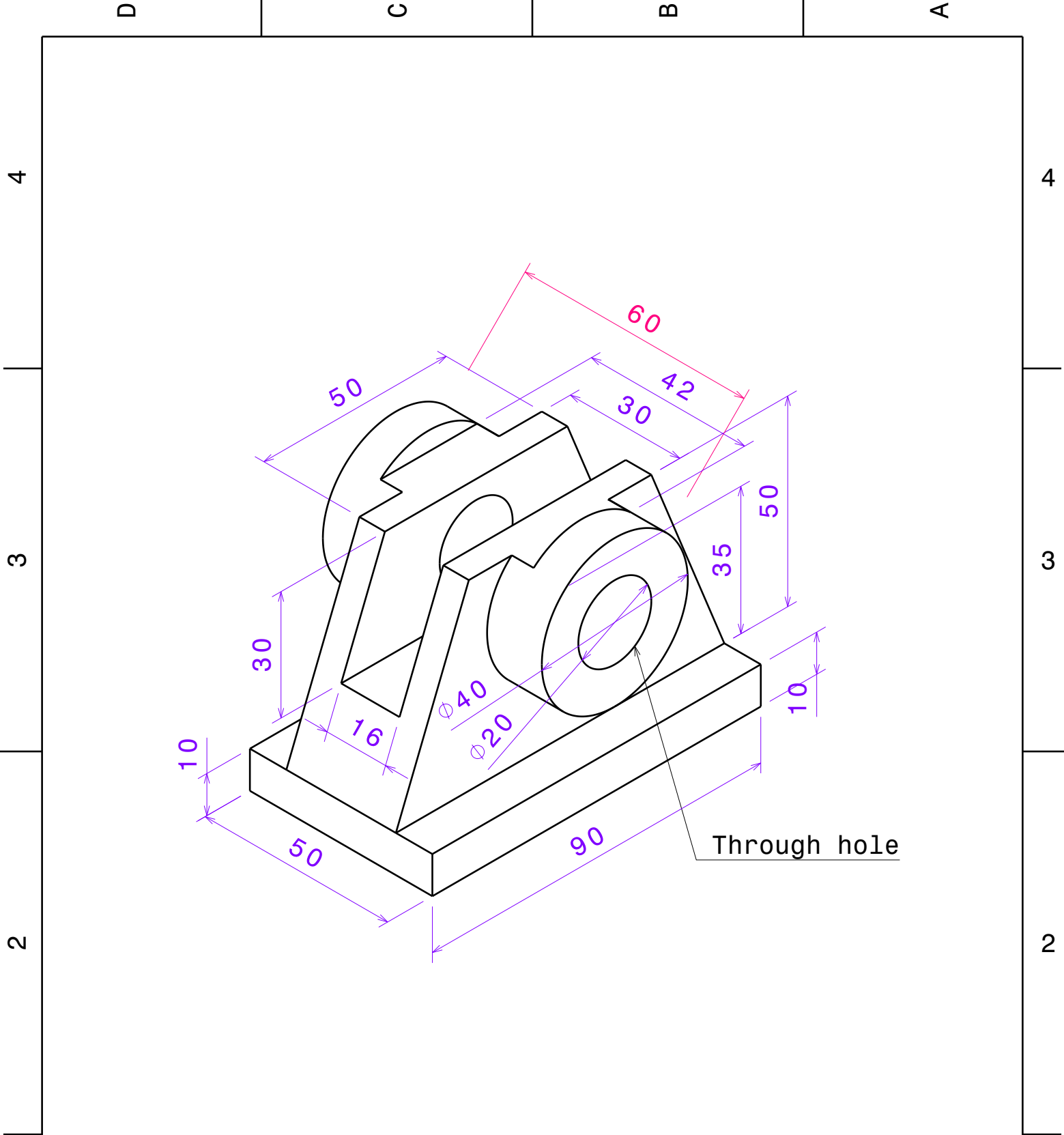
F

D

c

	D
--	---

Λ



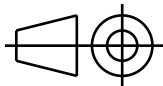
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 37

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

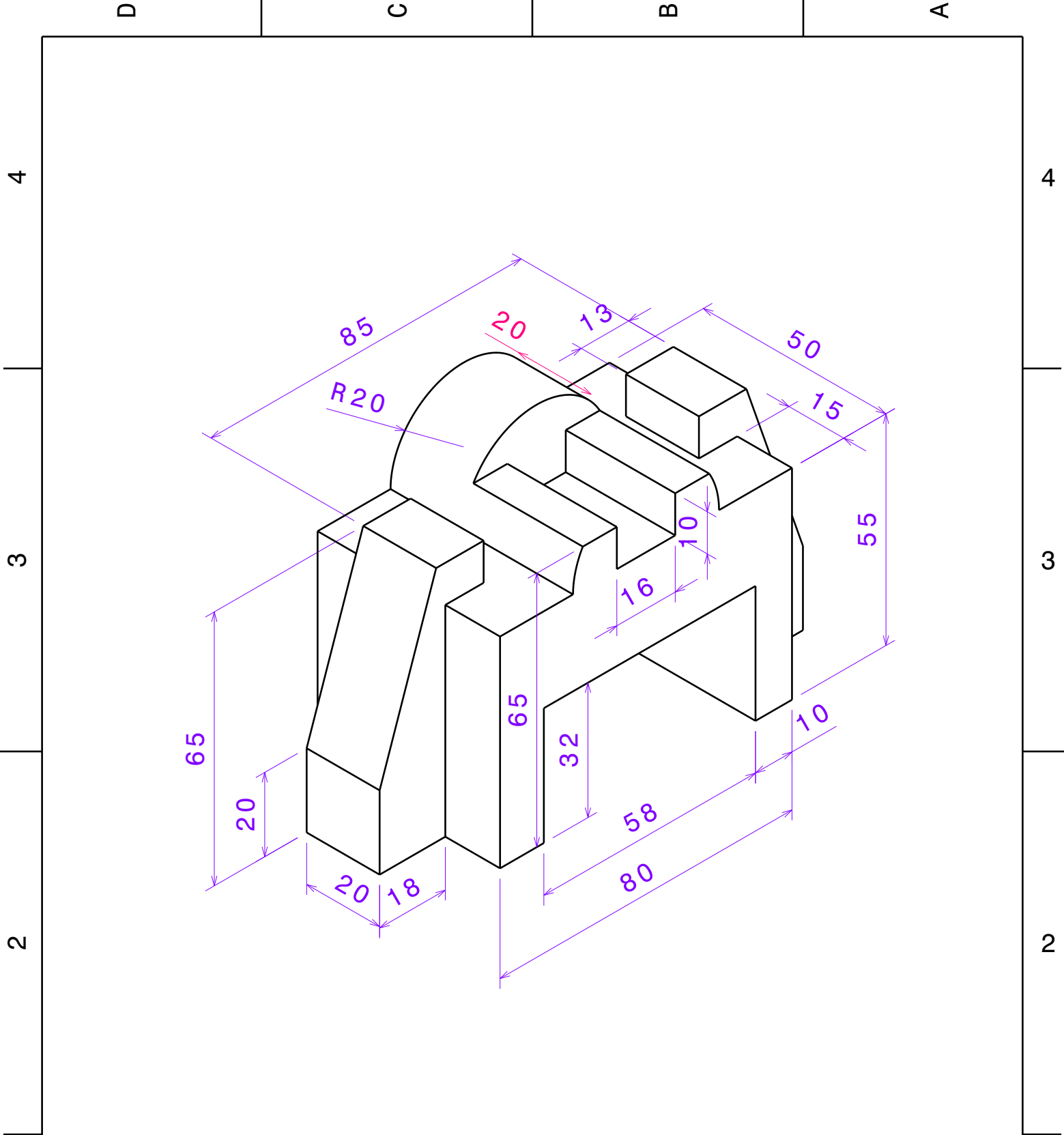
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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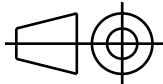
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 39

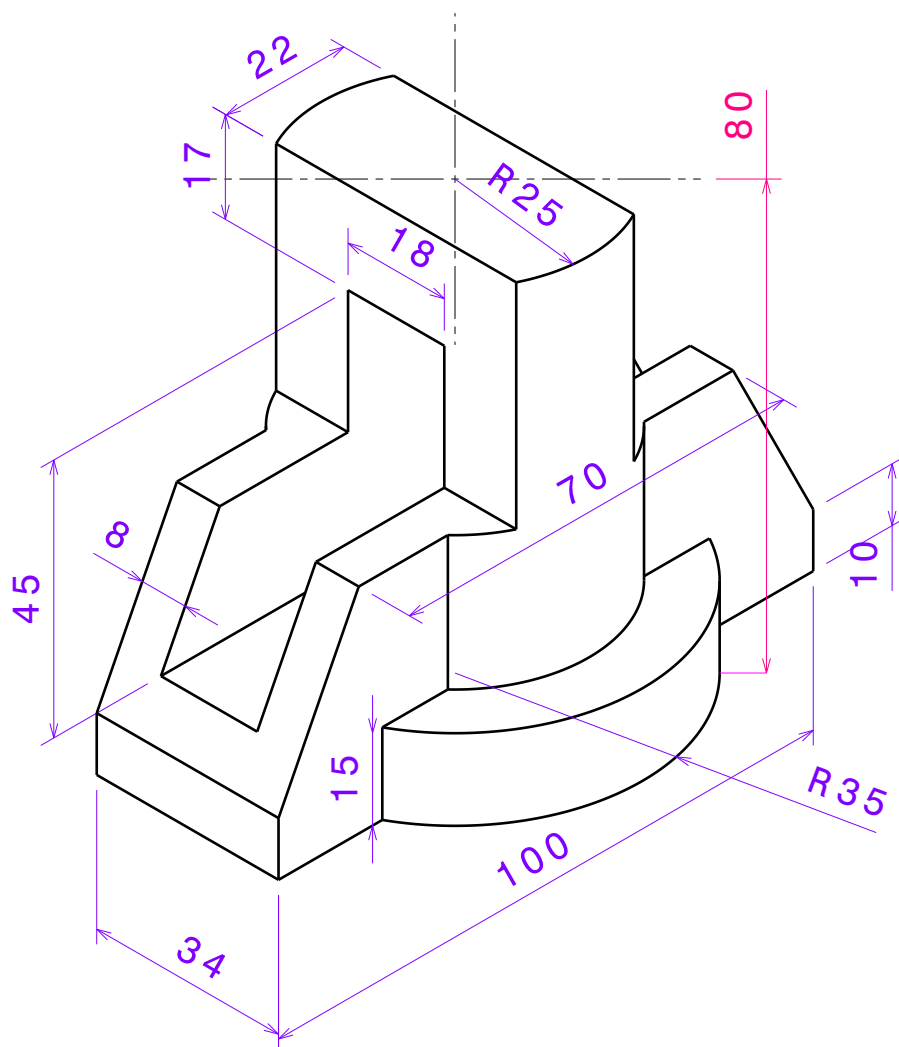
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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

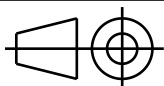
I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



DATE:

SIZE	PRICE	DESCRIPTION
12	12.99	12.99
14	14.99	14.99
16	16.99	16.99
18	18.99	18.99
20	20.99	20.99
22	22.99	22.99
24	24.99	24.99
26	26.99	26.99
28	28.99	28.99
30	30.99	30.99
32	32.99	32.99
34	34.99	34.99
36	36.99	36.99
38	38.99	38.99
40	40.99	40.99
42	42.99	42.99
44	44.99	44.99
46	46.99	46.99
48	48.99	48.99
50	50.99	50.99
52	52.99	52.99
54	54.99	54.99
56	56.99	56.99
58	58.99	58.99
60	60.99	60.99
62	62.99	62.99
64	64.99	64.99
66	66.99	66.99
68	68.99	68.99
70	70.99	70.99
72	72.99	72.99
74	74.99	74.99
76	76.99	76.99
78	78.99	78.99
80	80.99	80.99
82	82.99	82.99
84	84.99	84.99
86	86.99	86.99
88	88.99	88.99
90	90.99	90.99
92	92.99	92.99
94	94.99	94.99
96	96.99	96.99
98	98.99	98.99
100	100.99	100.99

A4



SCALE

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

ENGINEERING CAD CAM CAE

EXERCISE NO.: 40

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I

H

G

F

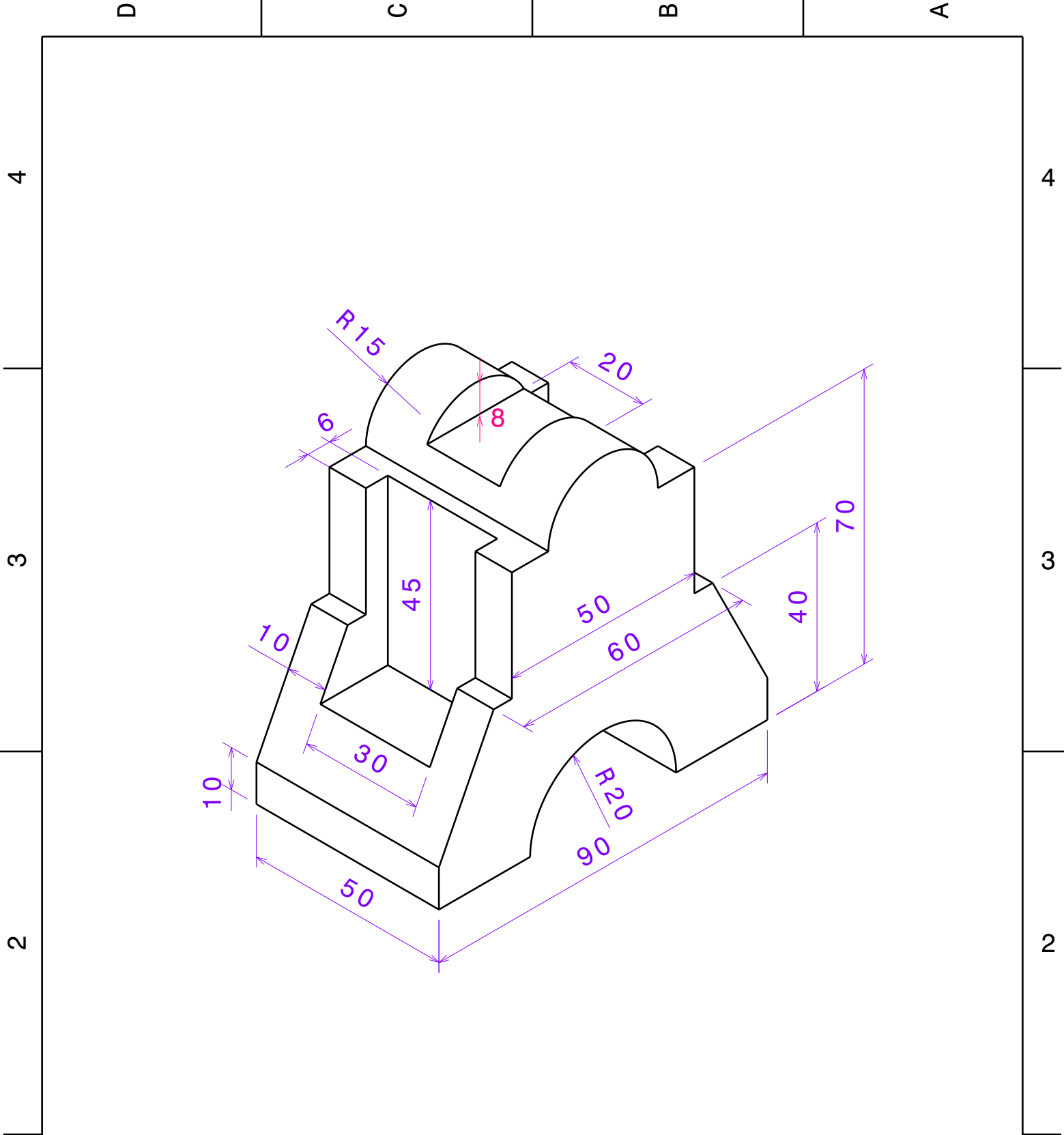
E

D

C

B

A



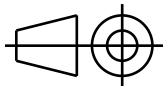
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 41

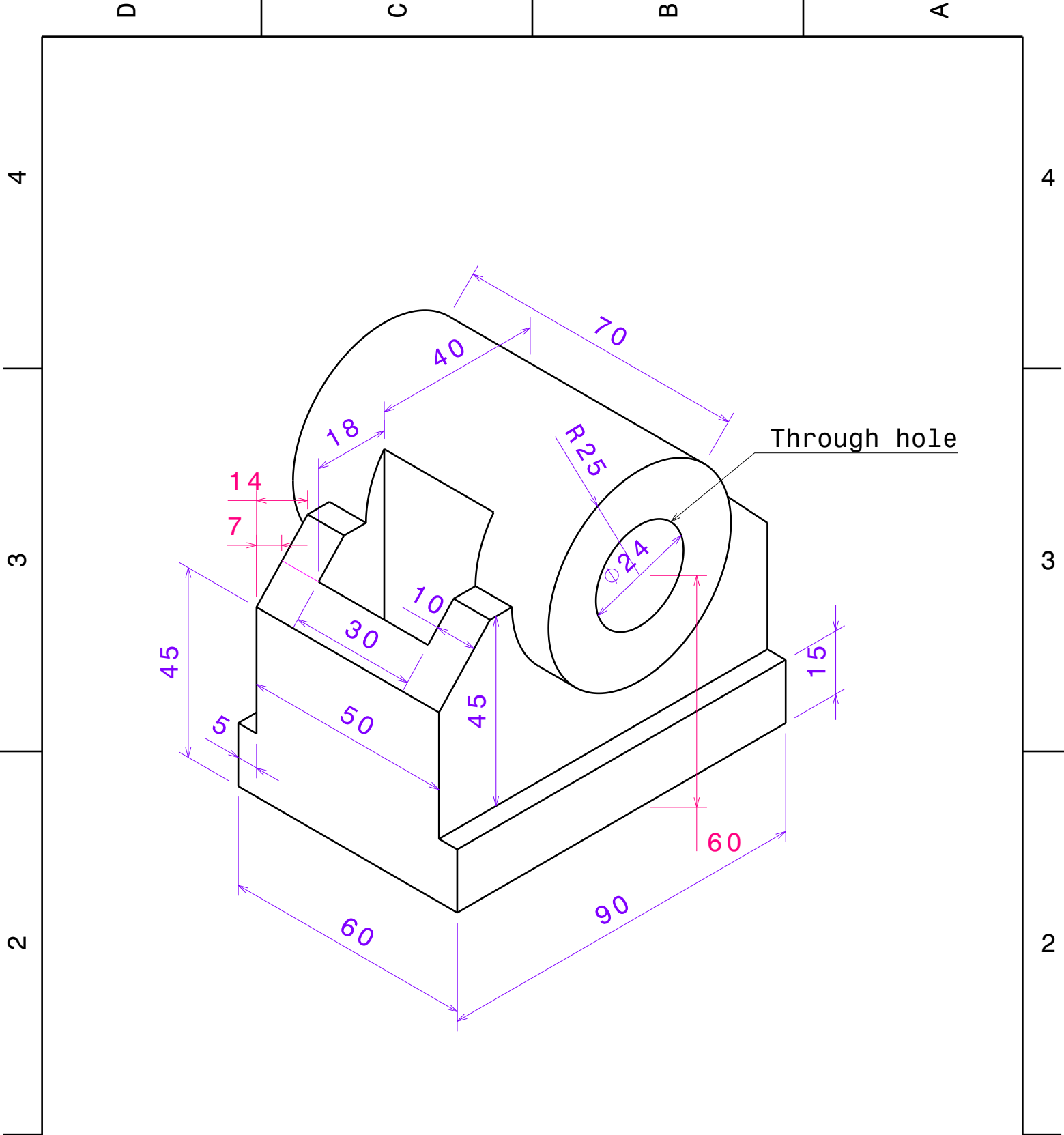
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

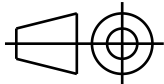
This drawing is our property; it can't be reproduced or communicated without our written agreement.



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

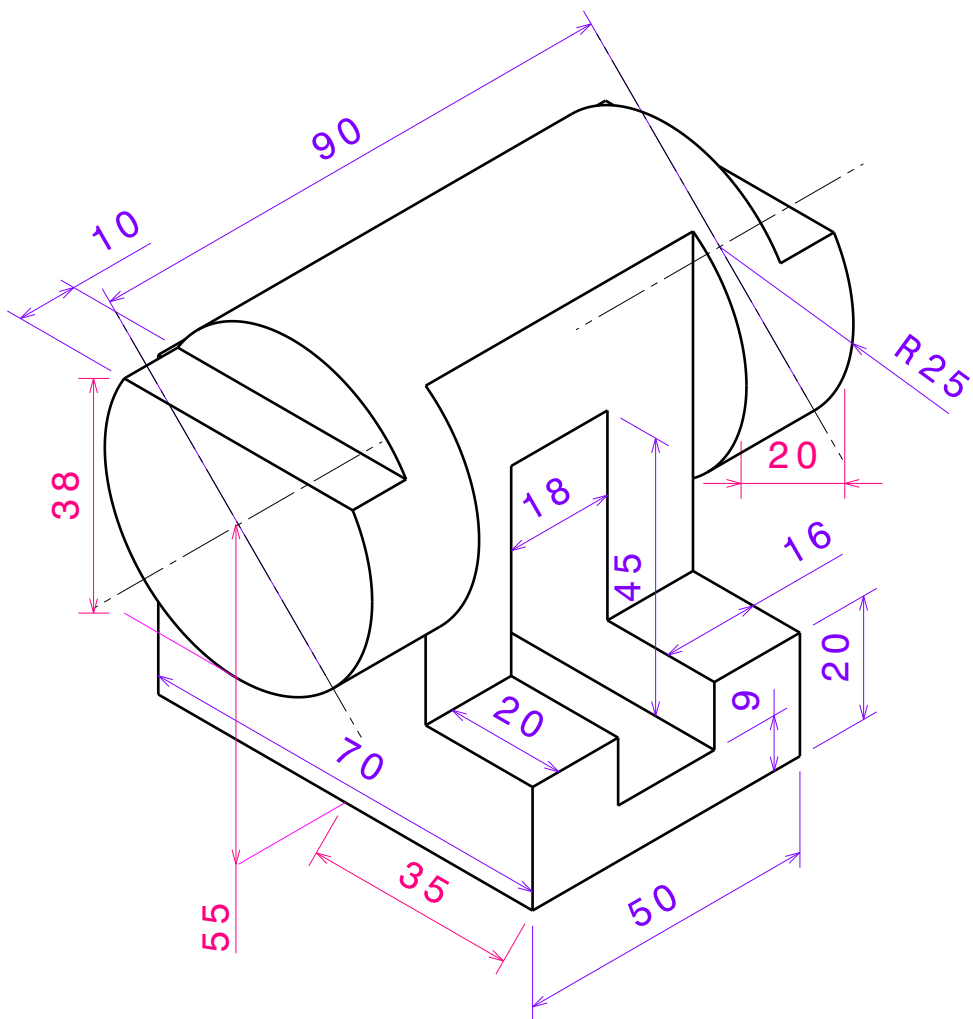
ENGINEERING CAD CAM CAE

EXERCISE NO.: 42

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

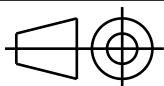
I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



DATE:

SIZE	PRICE	DESCRIPTION
12	12.99	12.99
14	14.99	14.99
16	16.99	16.99
18	18.99	18.99
20	20.99	20.99
22	22.99	22.99
24	24.99	24.99
26	26.99	26.99
28	28.99	28.99
30	30.99	30.99
32	32.99	32.99
34	34.99	34.99
36	36.99	36.99
38	38.99	38.99
40	40.99	40.99
42	42.99	42.99
44	44.99	44.99
46	46.99	46.99
48	48.99	48.99
50	50.99	50.99
52	52.99	52.99
54	54.99	54.99
56	56.99	56.99
58	58.99	58.99
60	60.99	60.99
62	62.99	62.99
64	64.99	64.99
66	66.99	66.99
68	68.99	68.99
70	70.99	70.99
72	72.99	72.99
74	74.99	74.99
76	76.99	76.99
78	78.99	78.99
80	80.99	80.99
82	82.99	82.99
84	84.99	84.99
86	86.99	86.99
88	88.99	88.99
90	90.99	90.99
92	92.99	92.99
94	94.99	94.99
96	96.99	96.99
98	98.99	98.99
100	100.99	100.99

A4



SCALE

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

ENGINEERING CAD CAM CAE

EXERCISE NO.: 43

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I

H

G

F

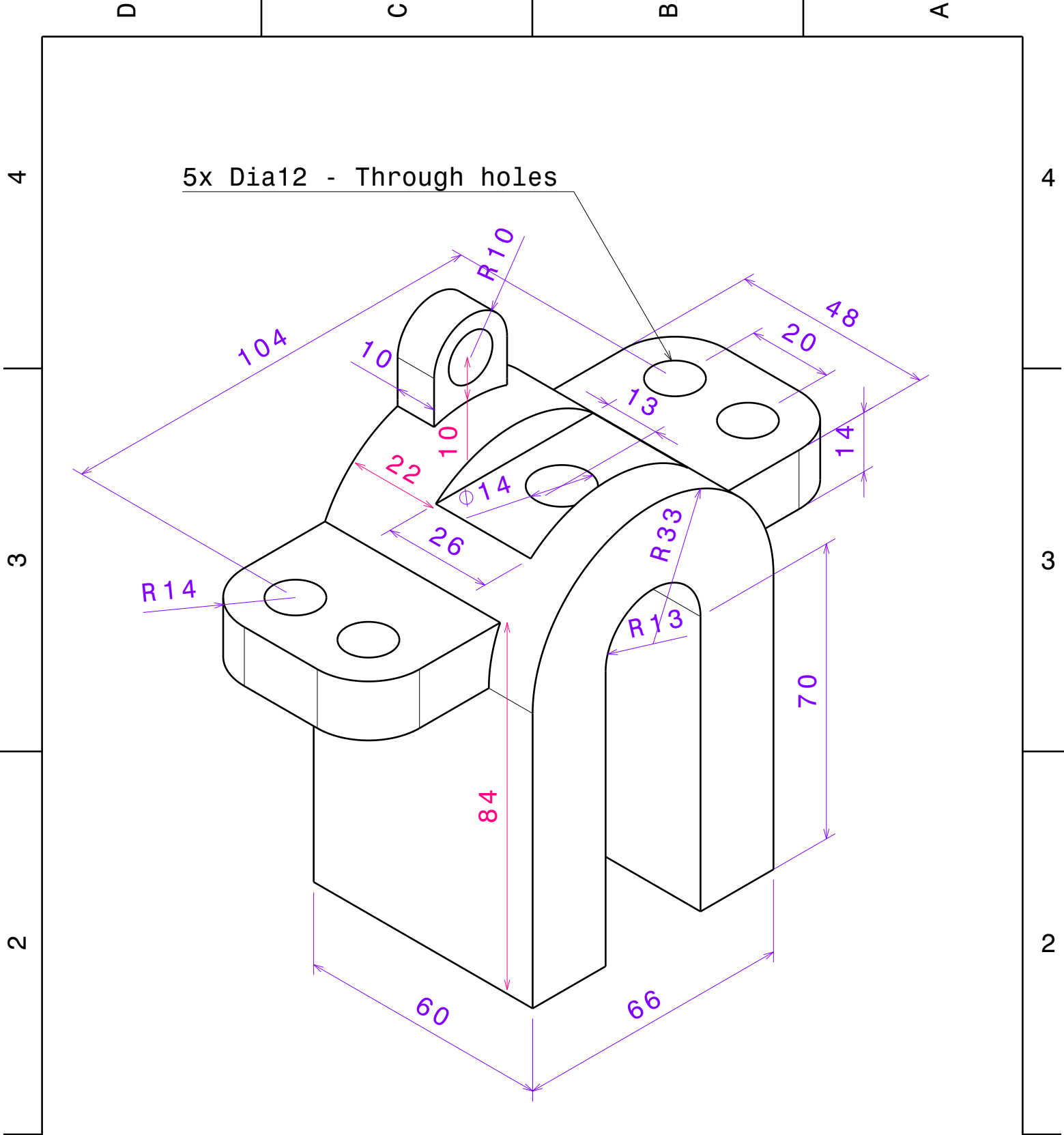
E

D

C

B

A



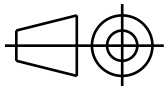
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 44

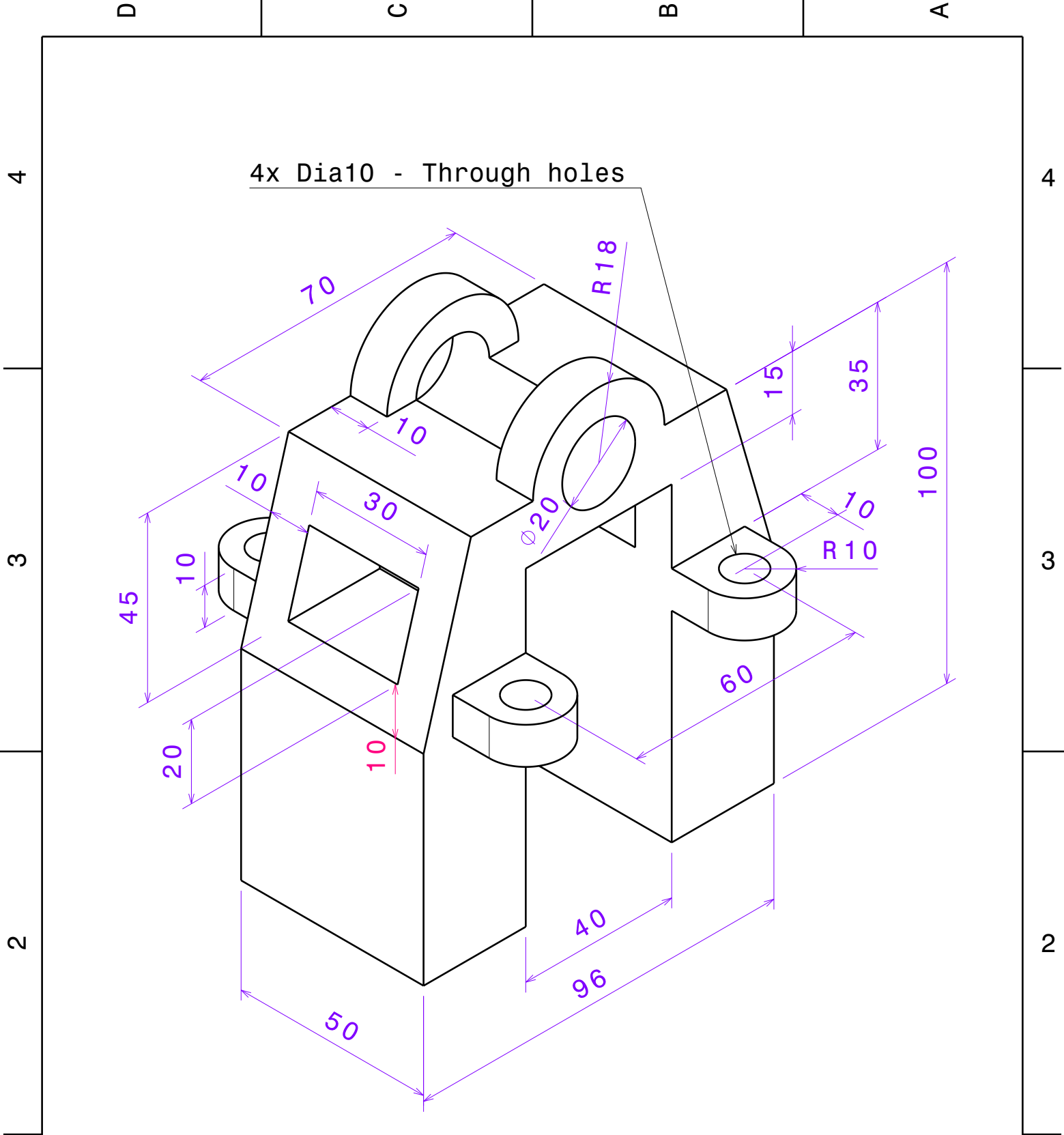
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



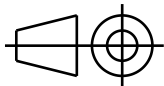
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 45

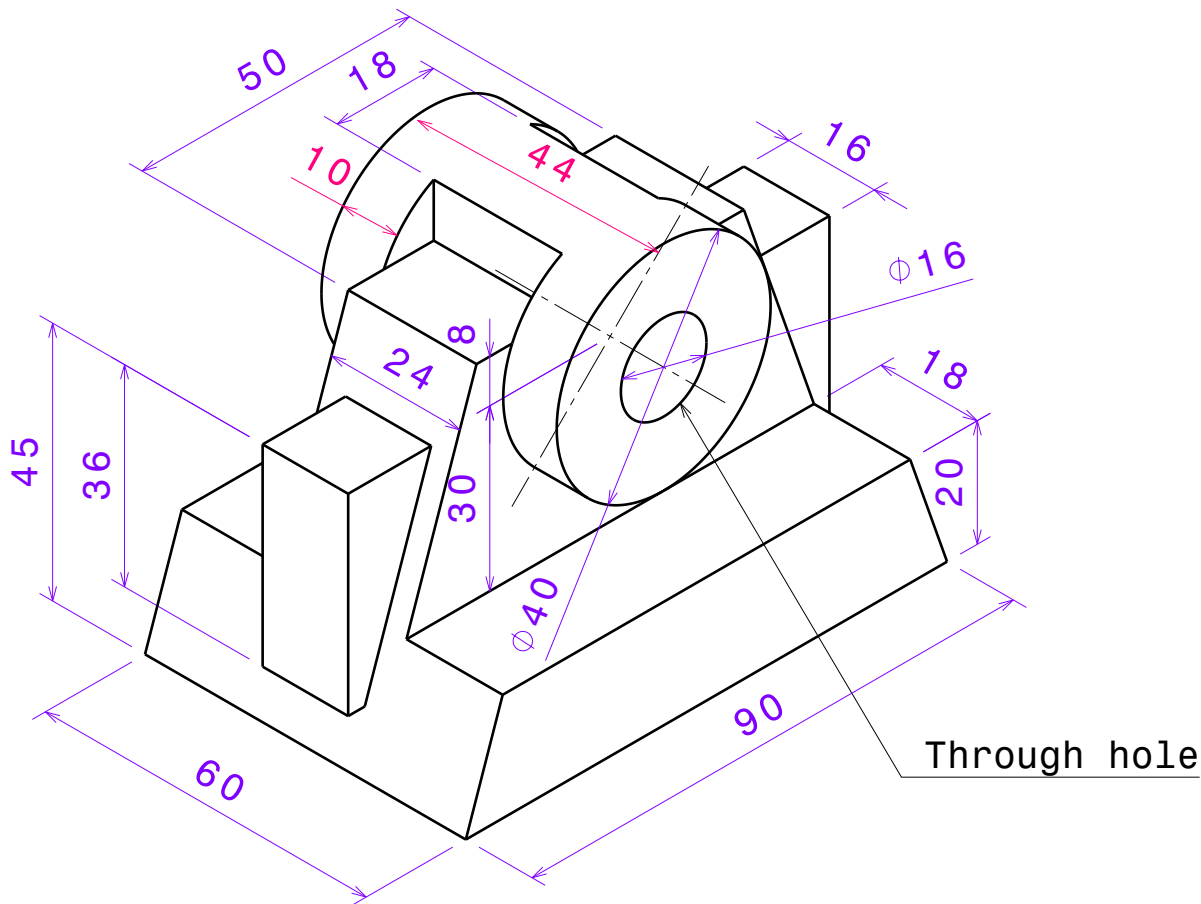
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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



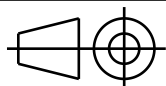
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 47

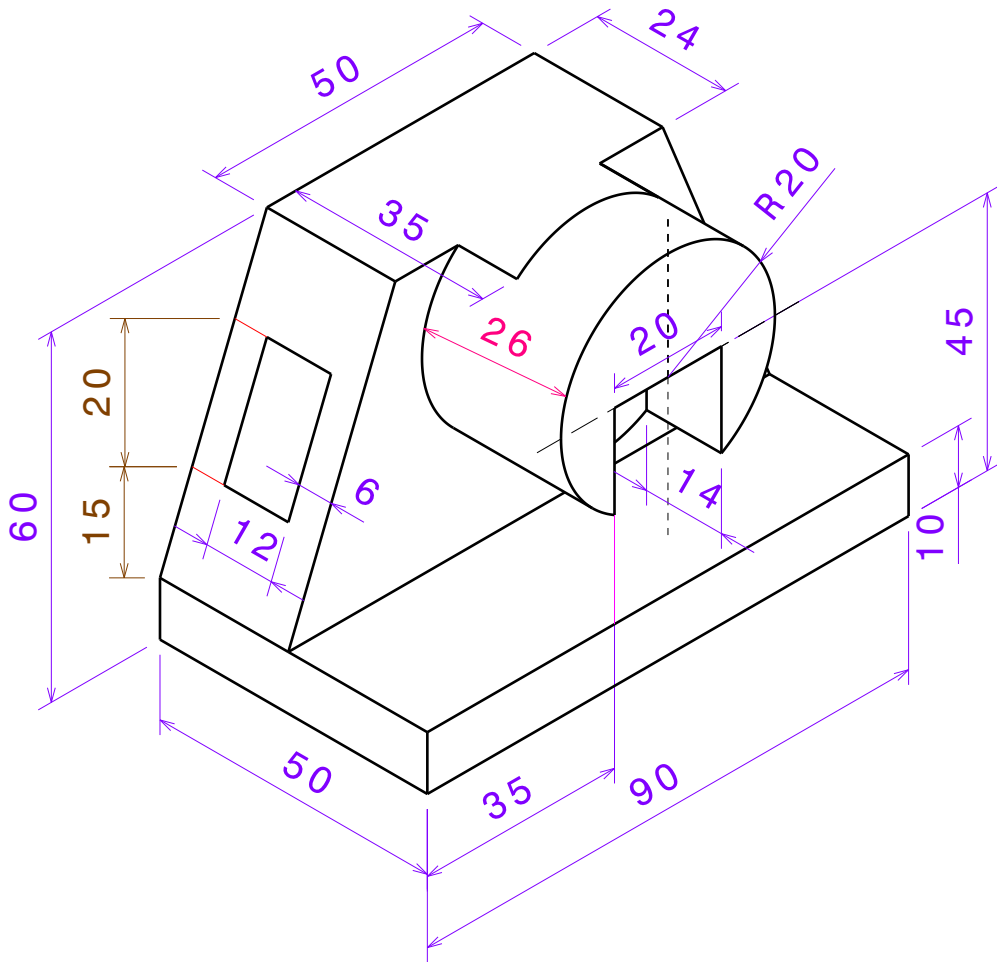
engineeringcadcamcae2018@gmail.com

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	—



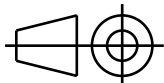
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 48

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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4

4

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3

2

2

1

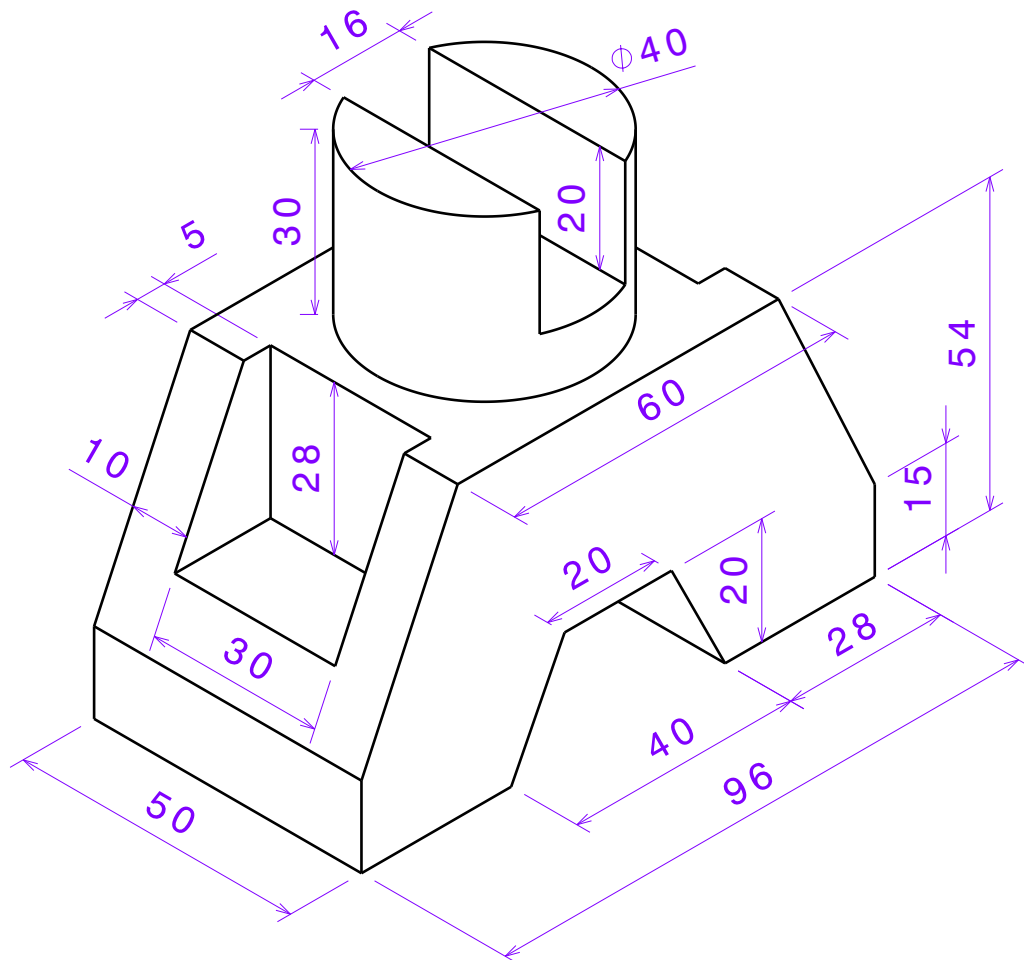
1

D

C

B

A



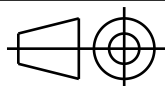
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 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	—

D

A

4

4

3

3

2

2

1

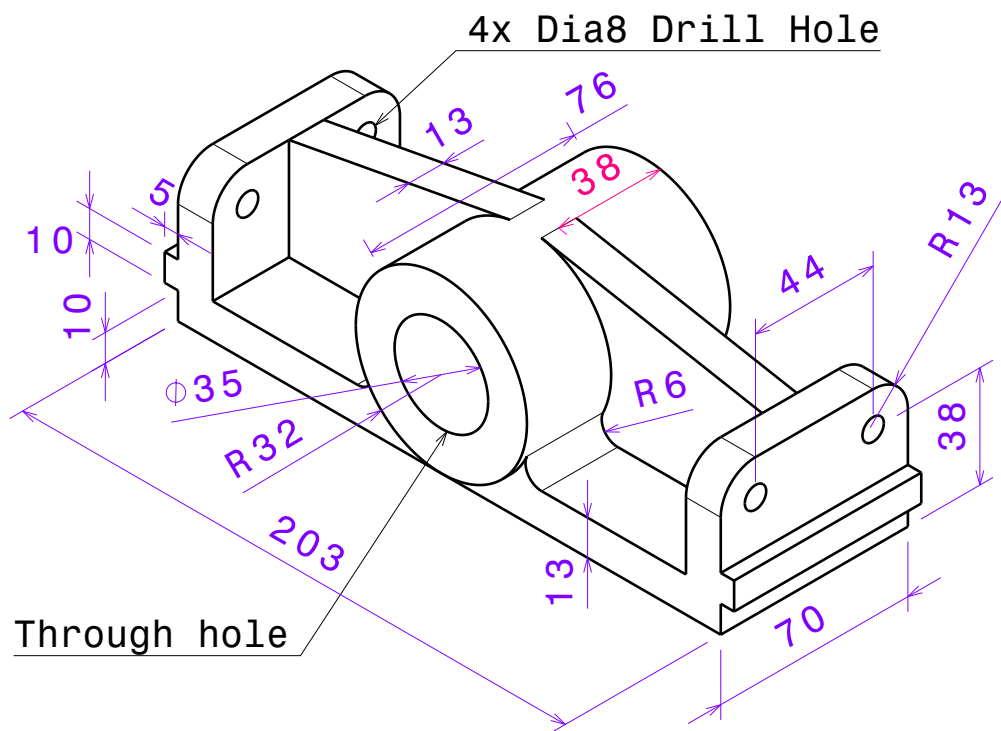
1

D

C

B

A



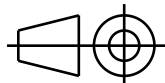
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 51

engineeringcadcamcae2018@gmail.com

SHEET

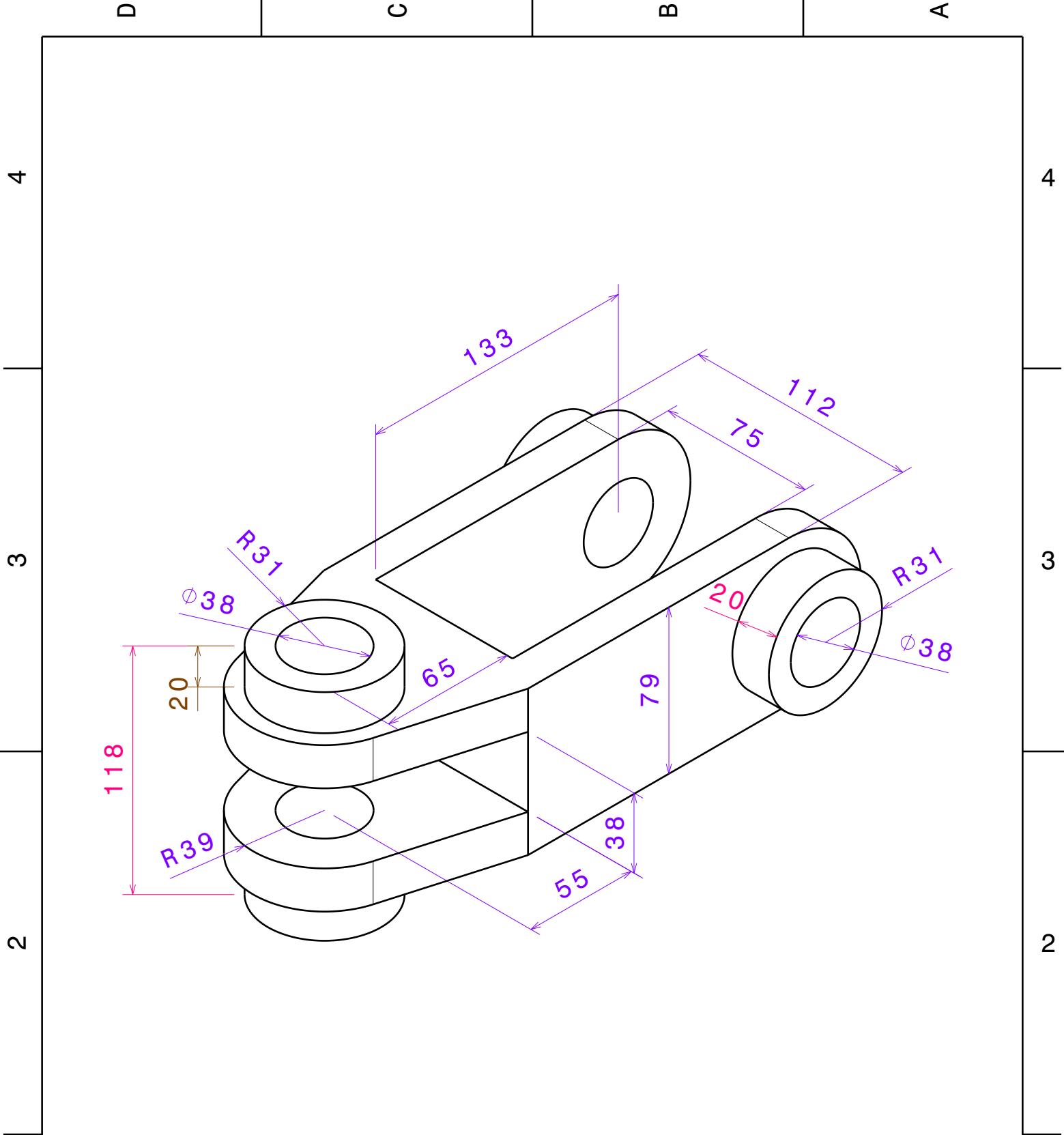
1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

D

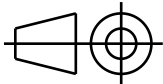
A



DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

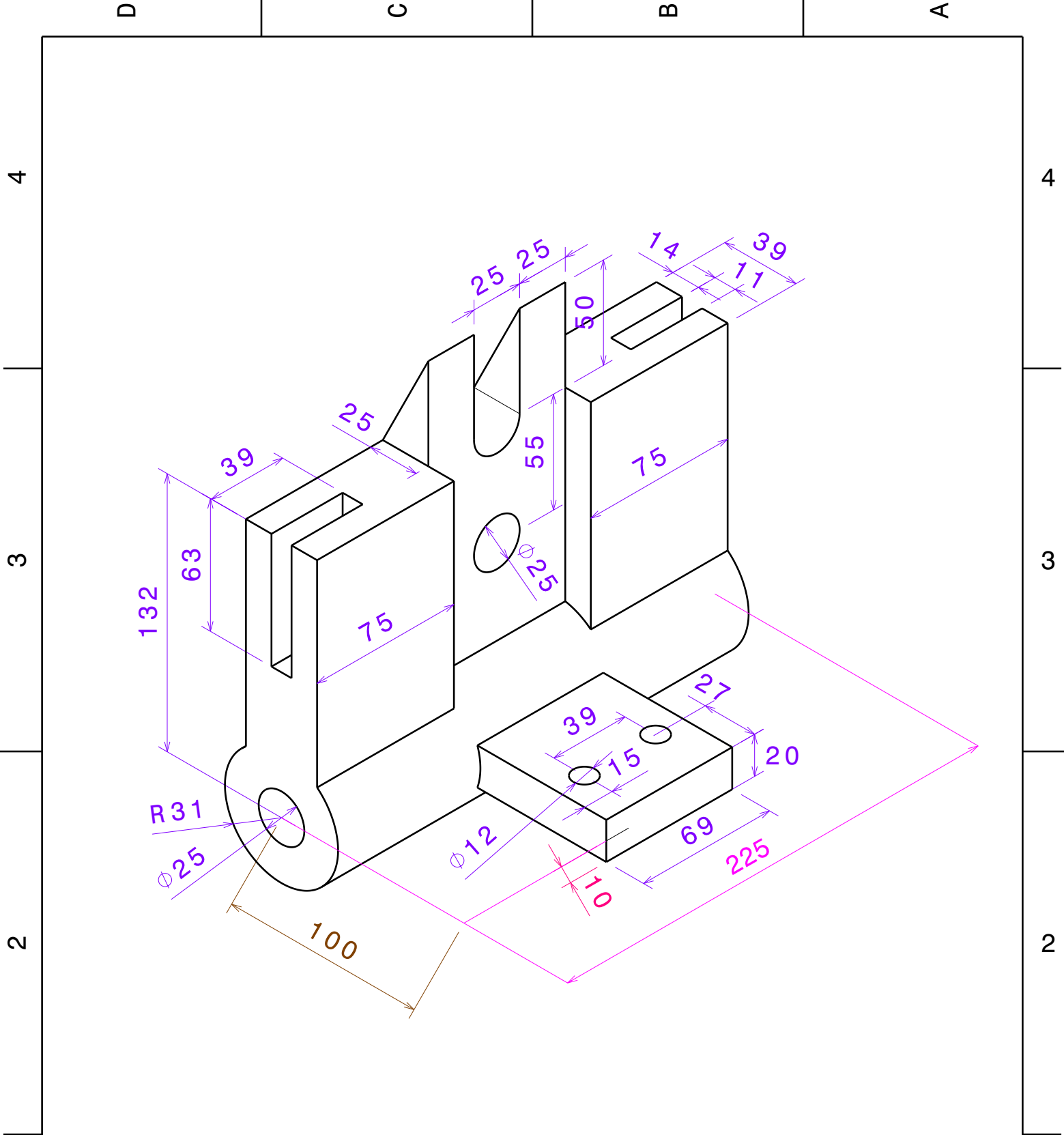
ENGINEERING CAD CAM CAE

EXERCISE NO.: 52

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



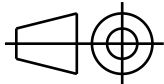
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 53

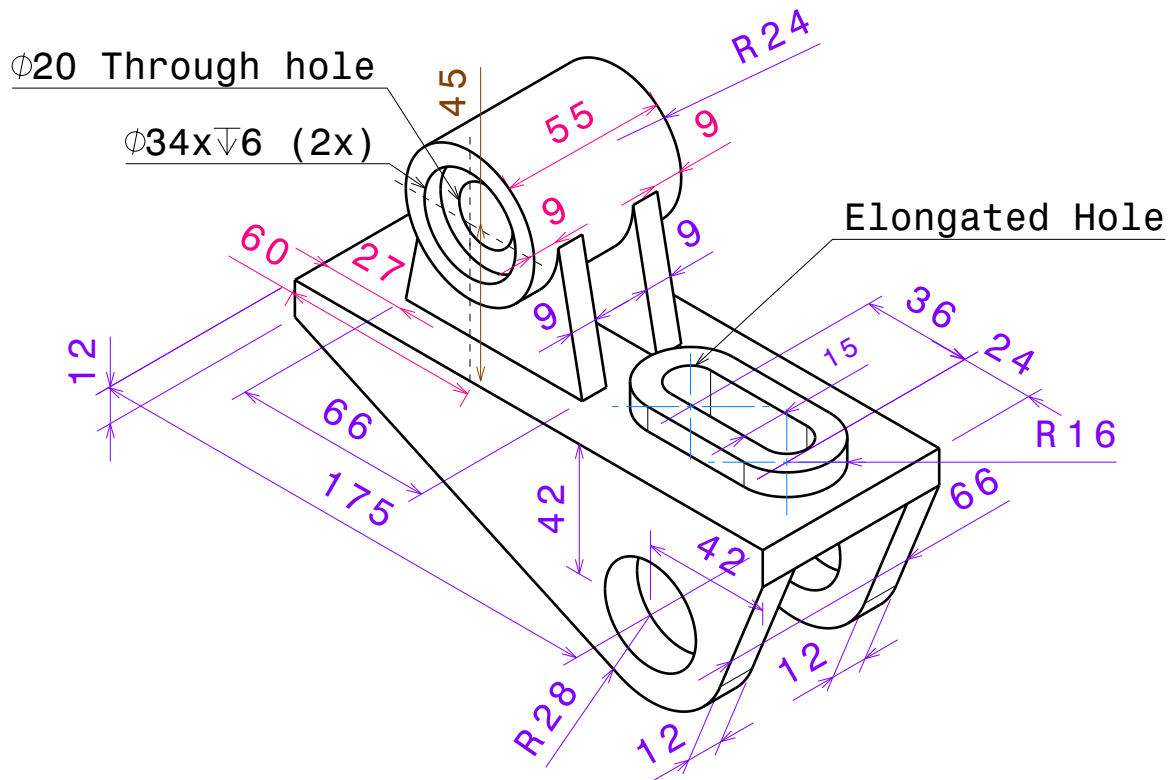
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—



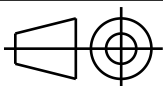
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 54

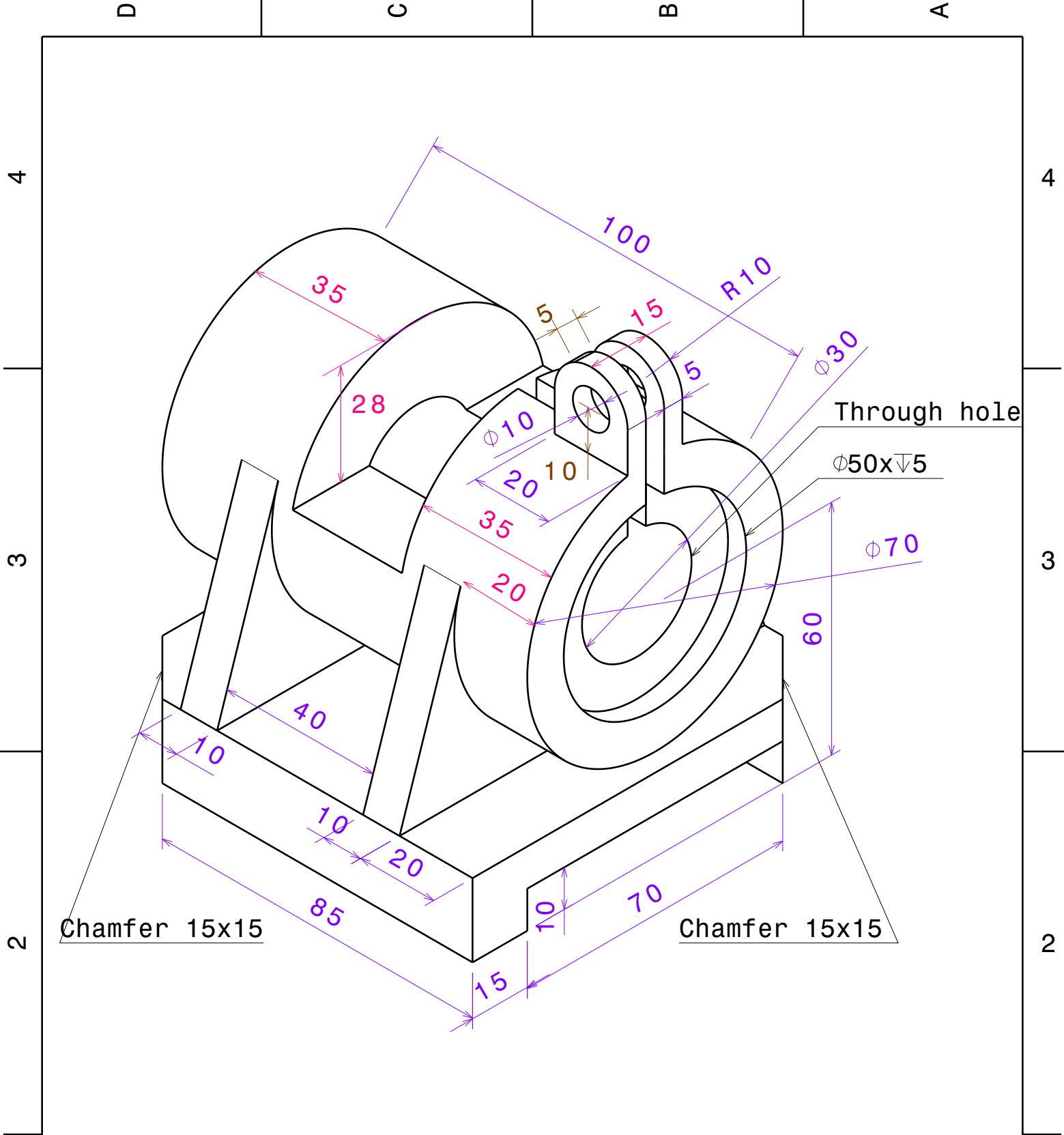
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

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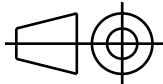
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 55

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

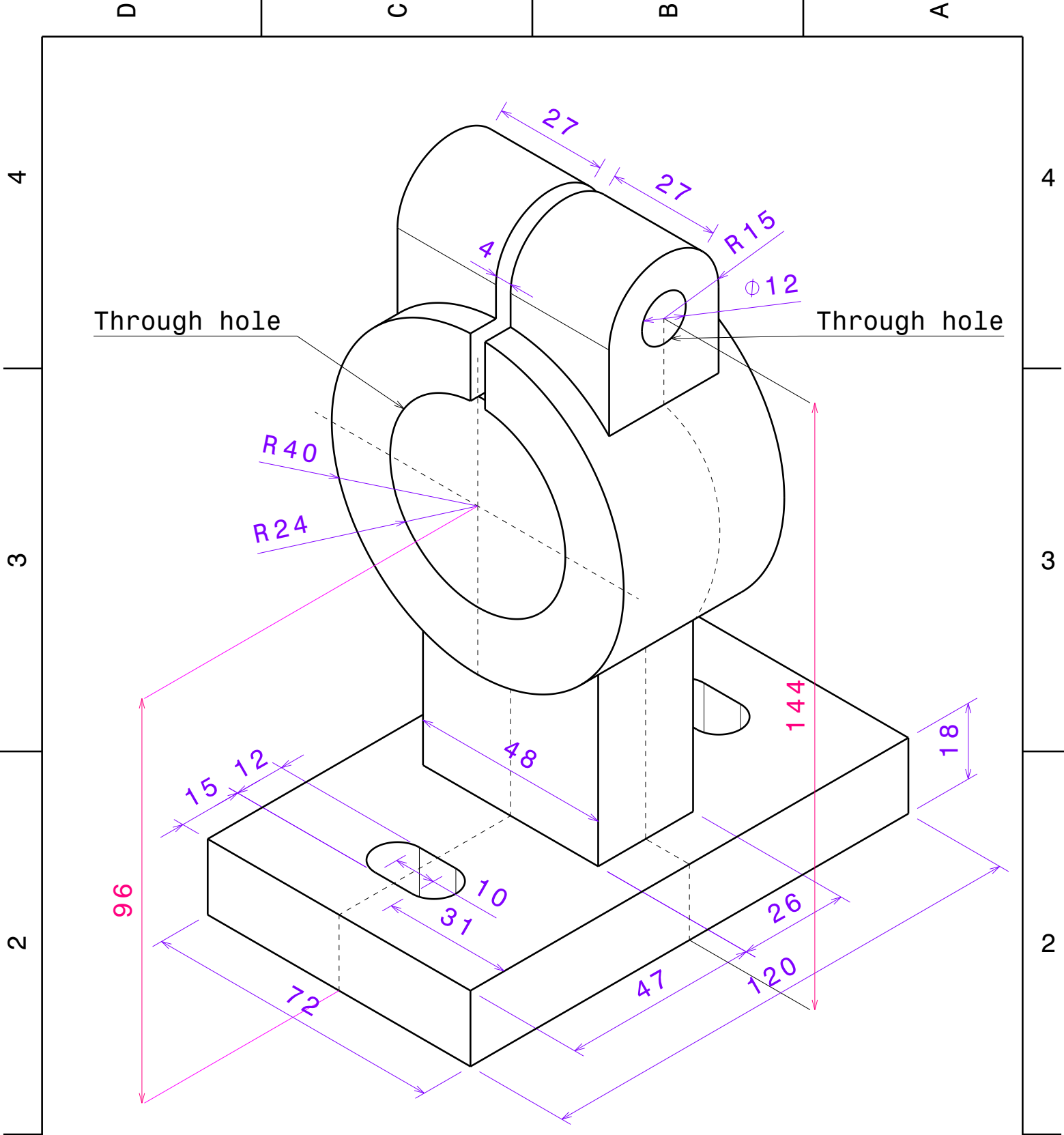


WEIGHT (kg)

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	



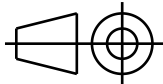
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 57

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

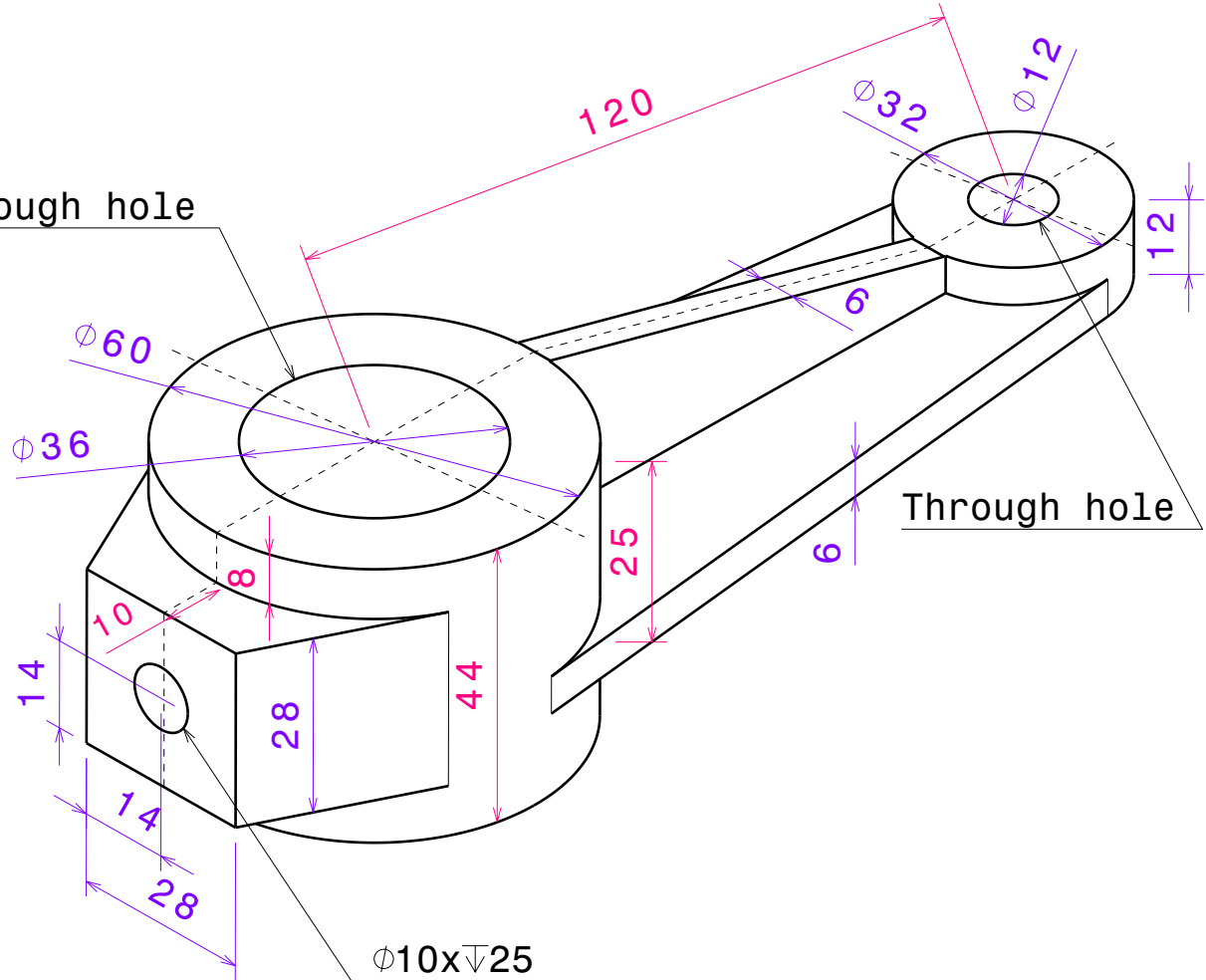
D

C

B

A

Through hole



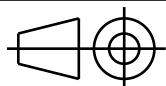
DESIGNED BY:
LAKSHMI SHARATH .B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 58

engineeringcadcamcae2018@gmail.com

SHEET

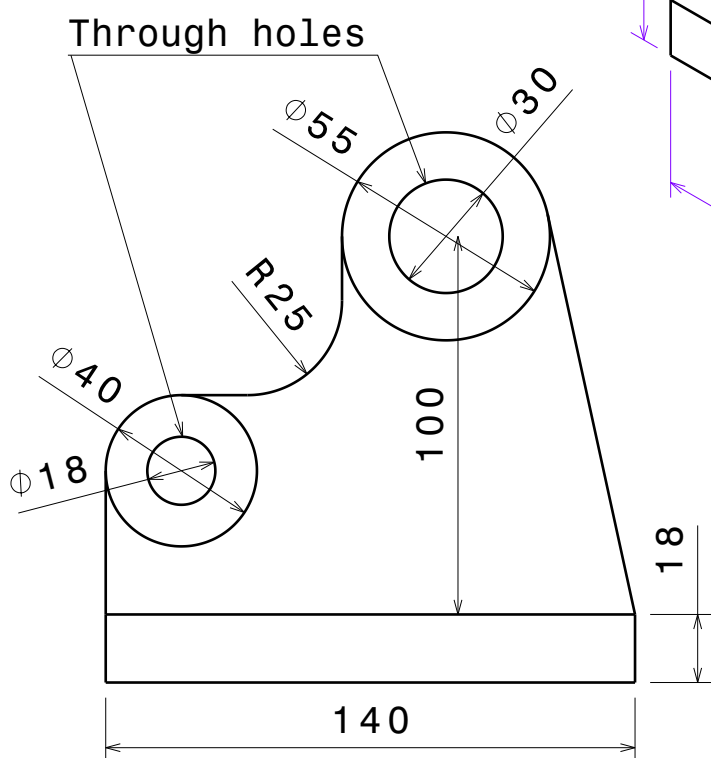
1 / 1

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

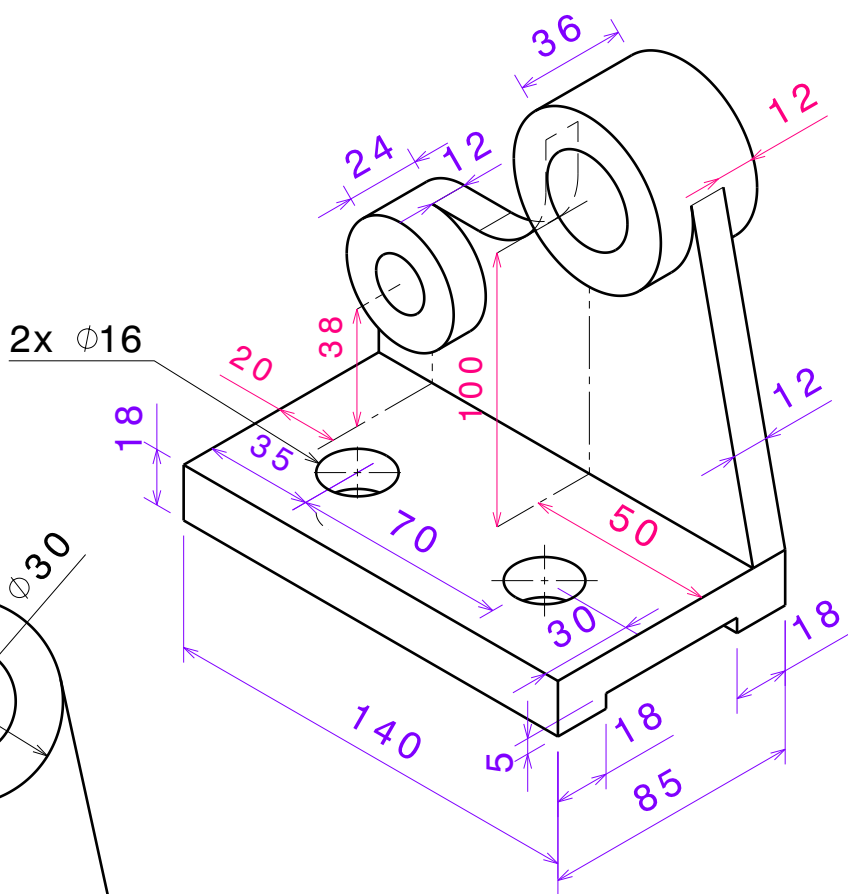
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

D

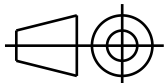
A

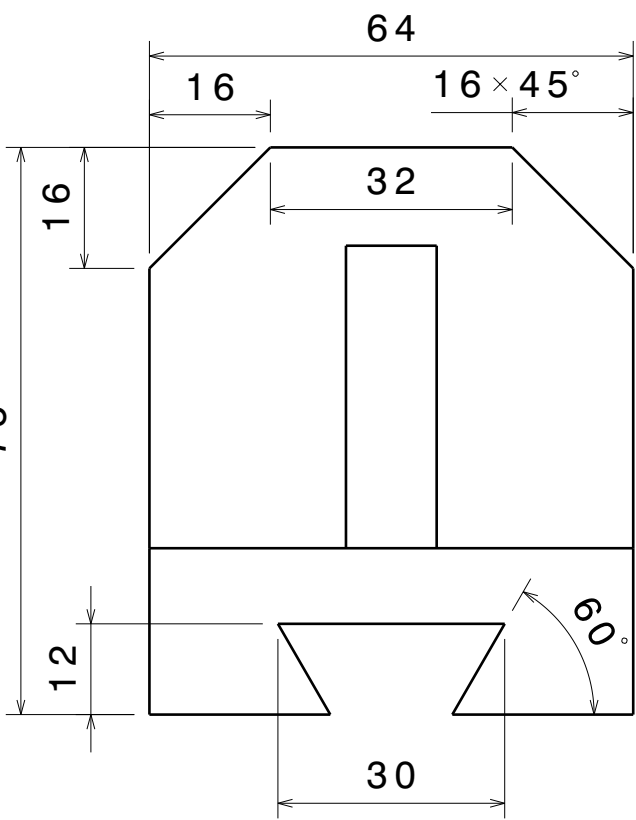


Front view

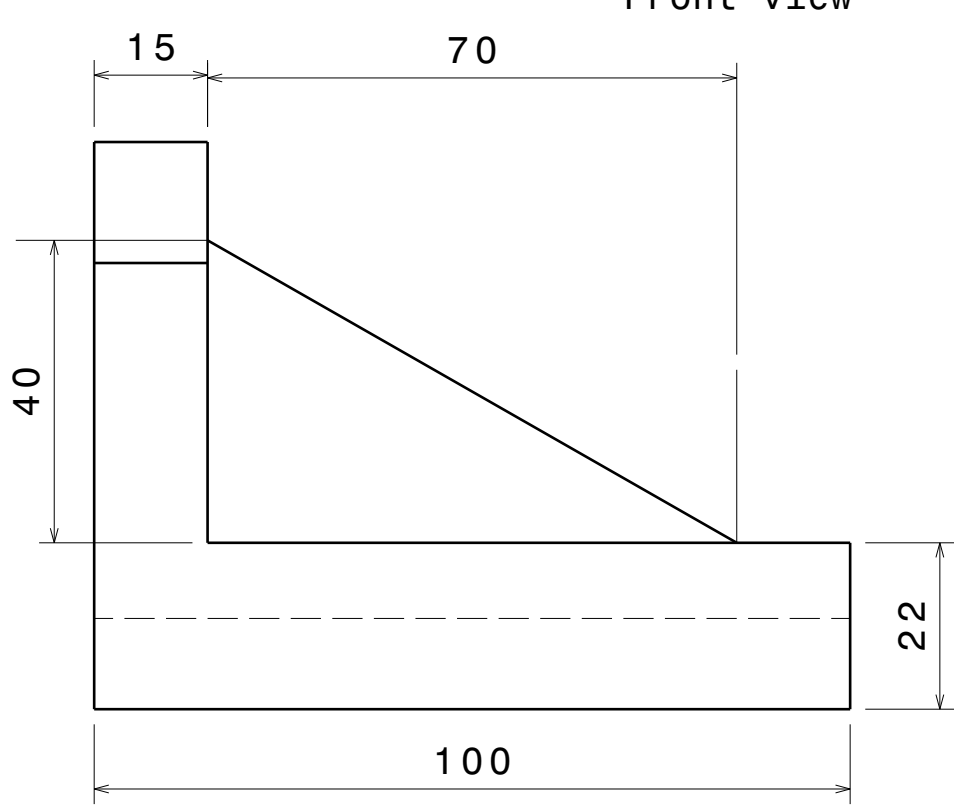


Isometric view

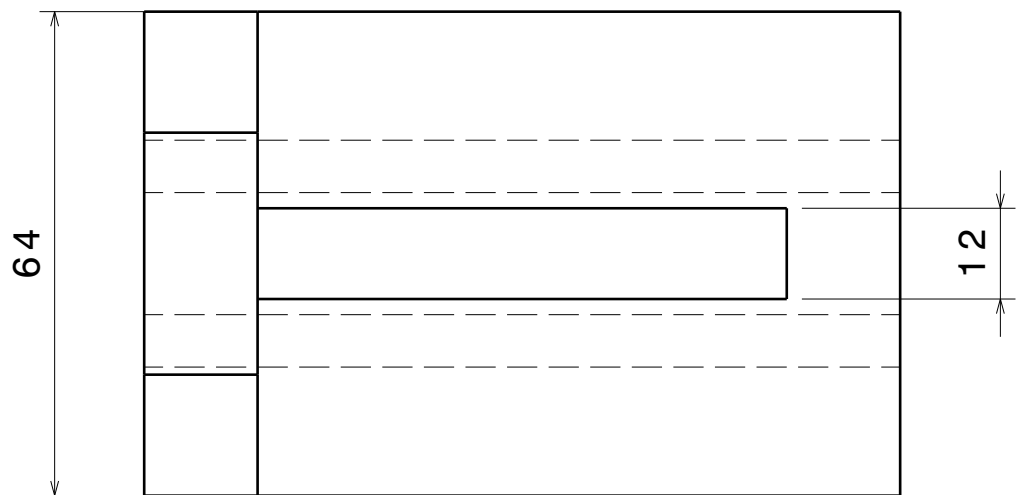
DESIGNED BY: LAKSHMI SHARATH .B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A4			F	—
	EXERCISE NO.: 60		E	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	D	—
			C	—
			B	—
			A	—
		SHEET	1 / 1	
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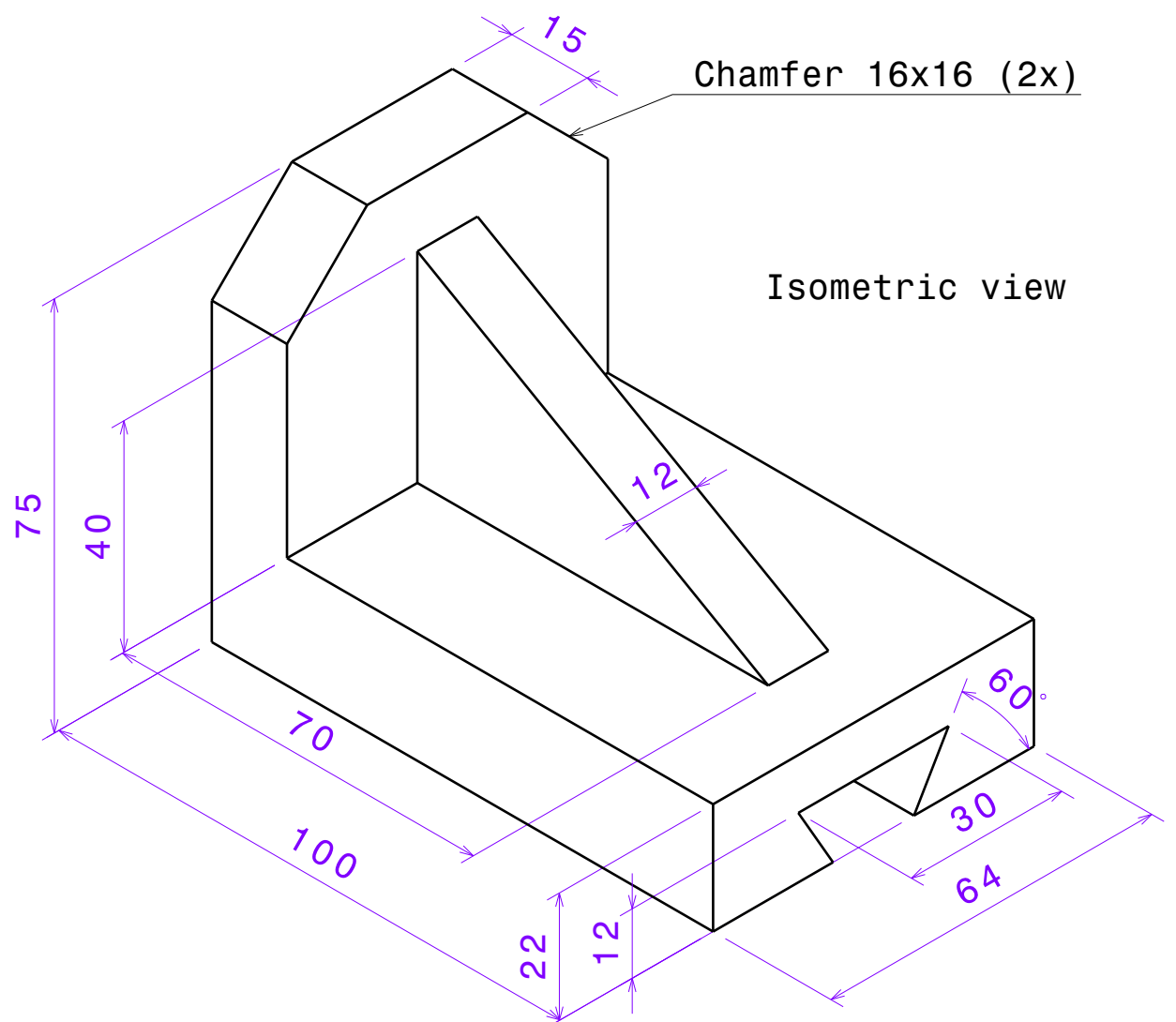
Right view



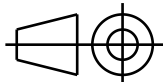
Front view

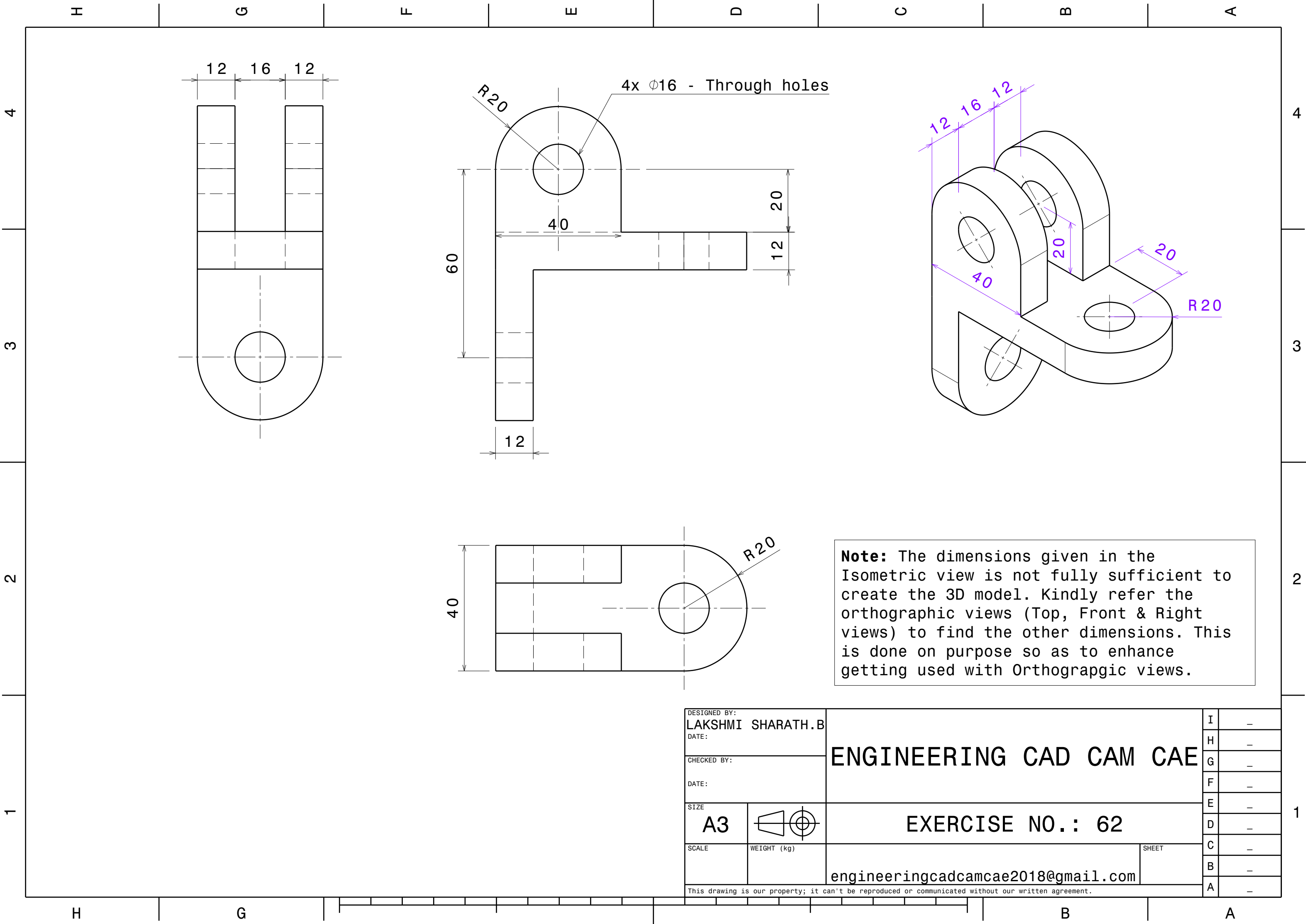


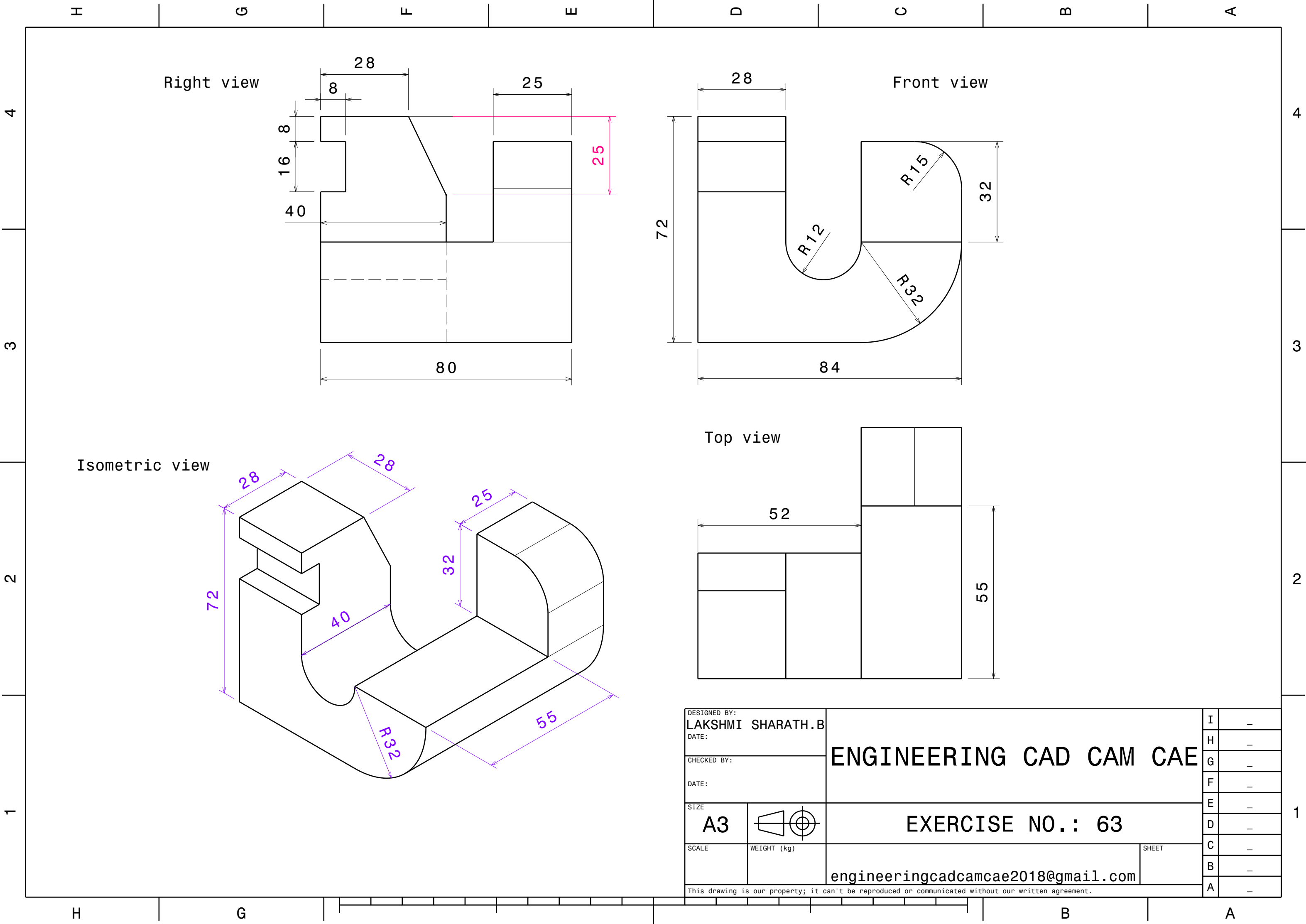
Top view

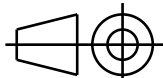


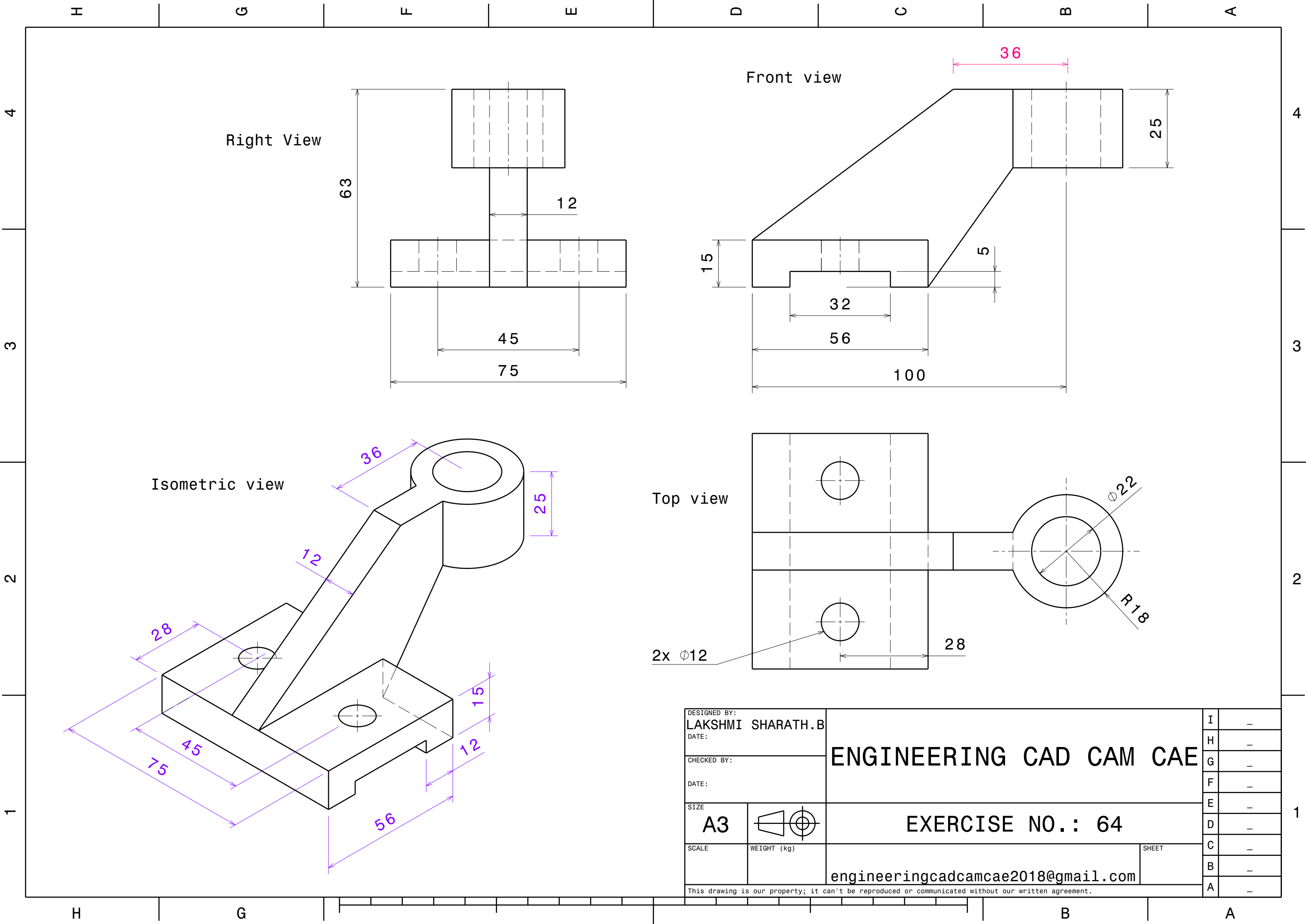
Isometric view

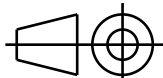
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY: DATE:			H	—
			G	—
F	—			
E	—			
SIZE A3		EXERCISE NO.: 61	D	—
SCALE	WEIGHT (kg)		C	—
		engineeringcadcamcae2018@gmail.com	B	—
			A	—
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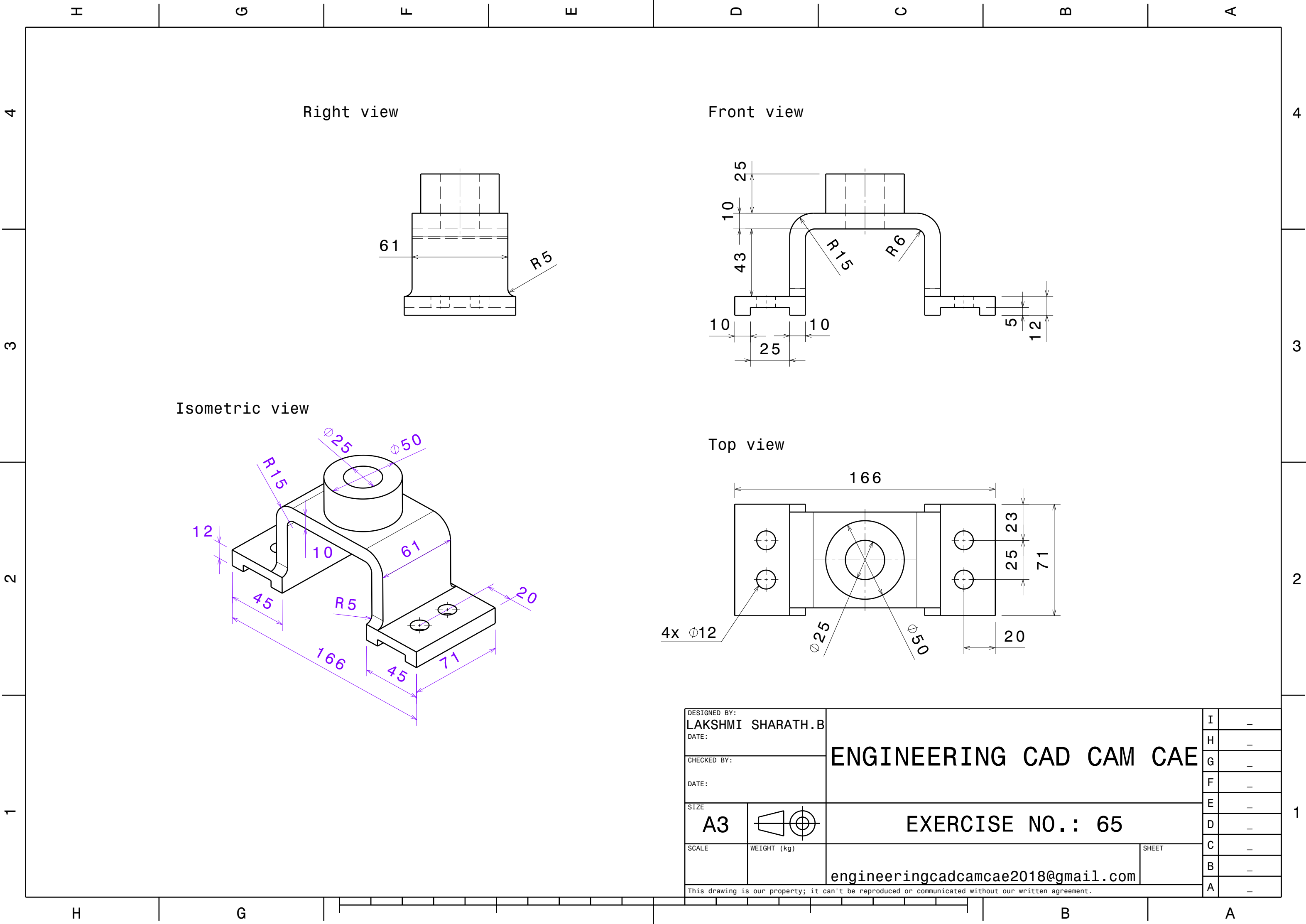


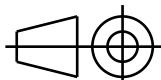
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		EXERCISE NO.: 63	E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
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DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:		EXERCISE NO.: 64	F	-
SIZE A3			E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
			A	-
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DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE		I	-
DATE:				H	-
CHECKED BY:				G	-
DATE:				F	-
SIZE		EXERCISE NO.: 65		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	-

H

G

F

E

D

C

B

A

4

3

2

1

4

3

2

1

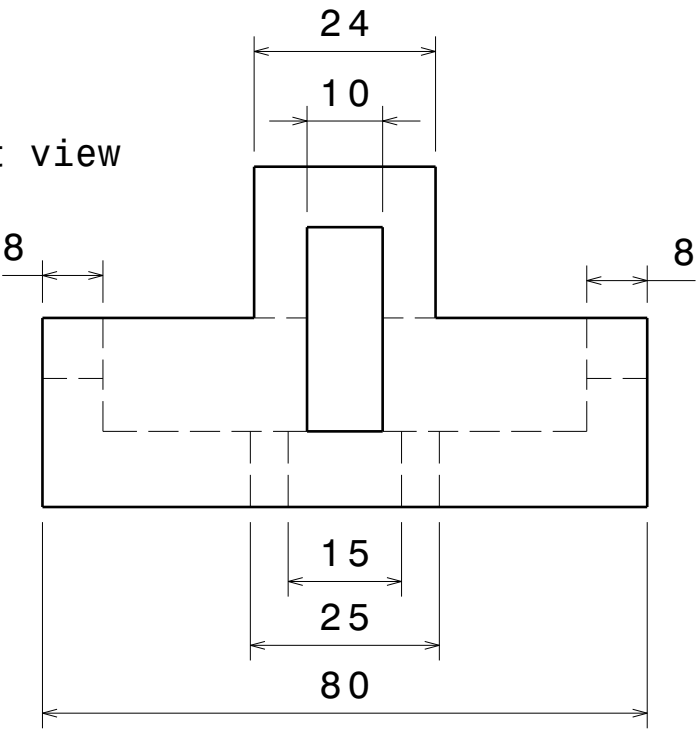
H

G

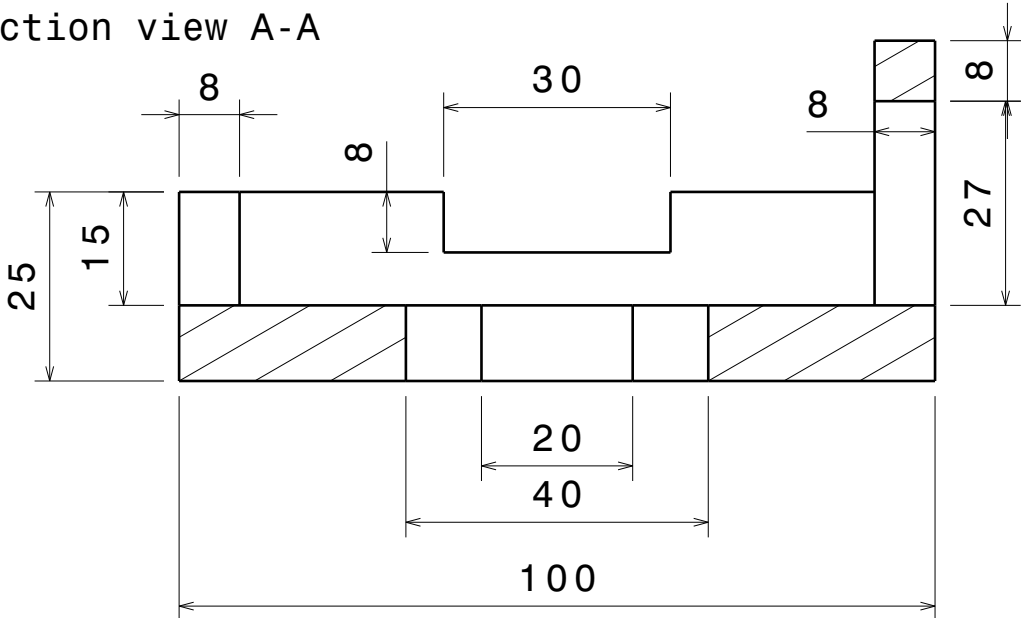
B

A

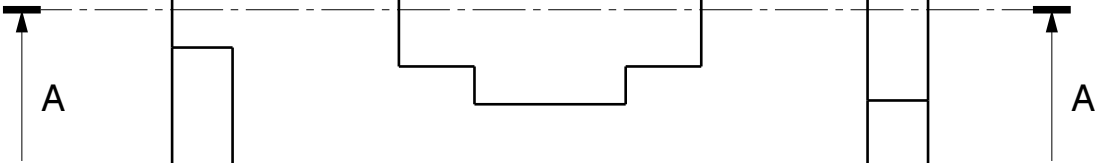
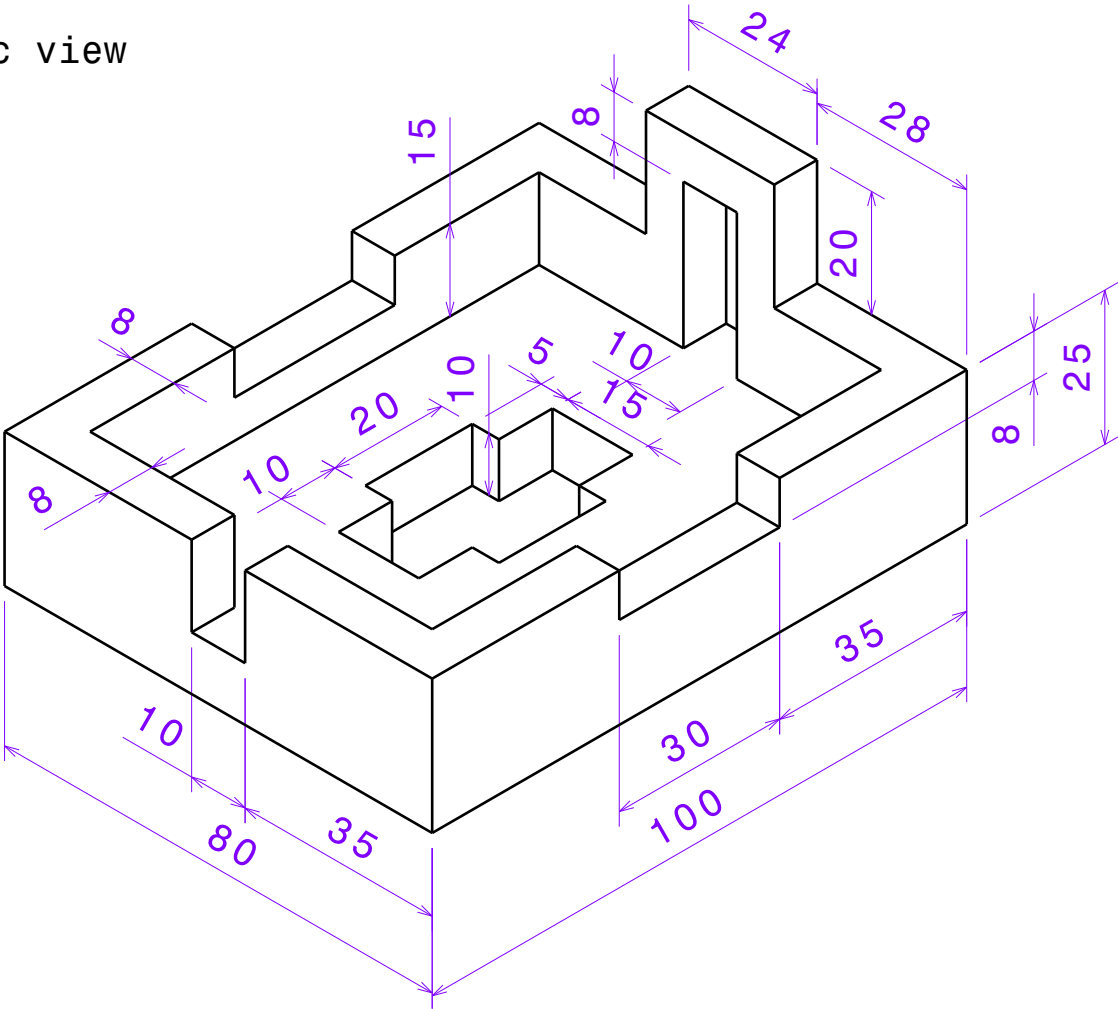
Right view



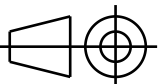
Section view A-A



Isometric view



Top view

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

H

G

F

E

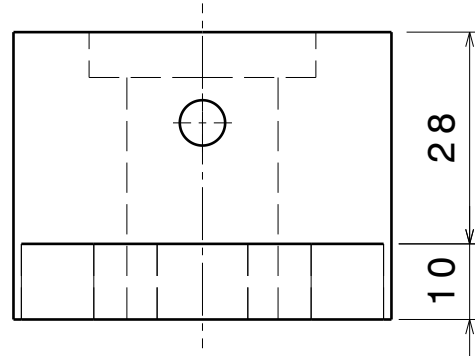
D

C

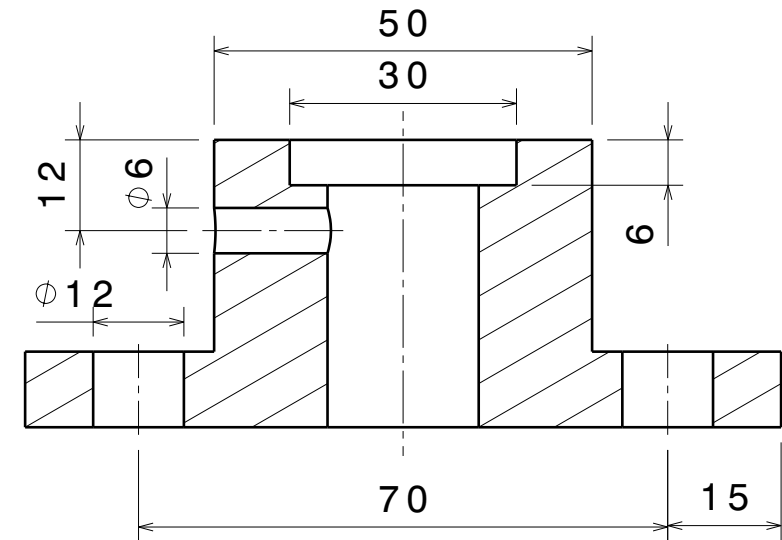
B

A

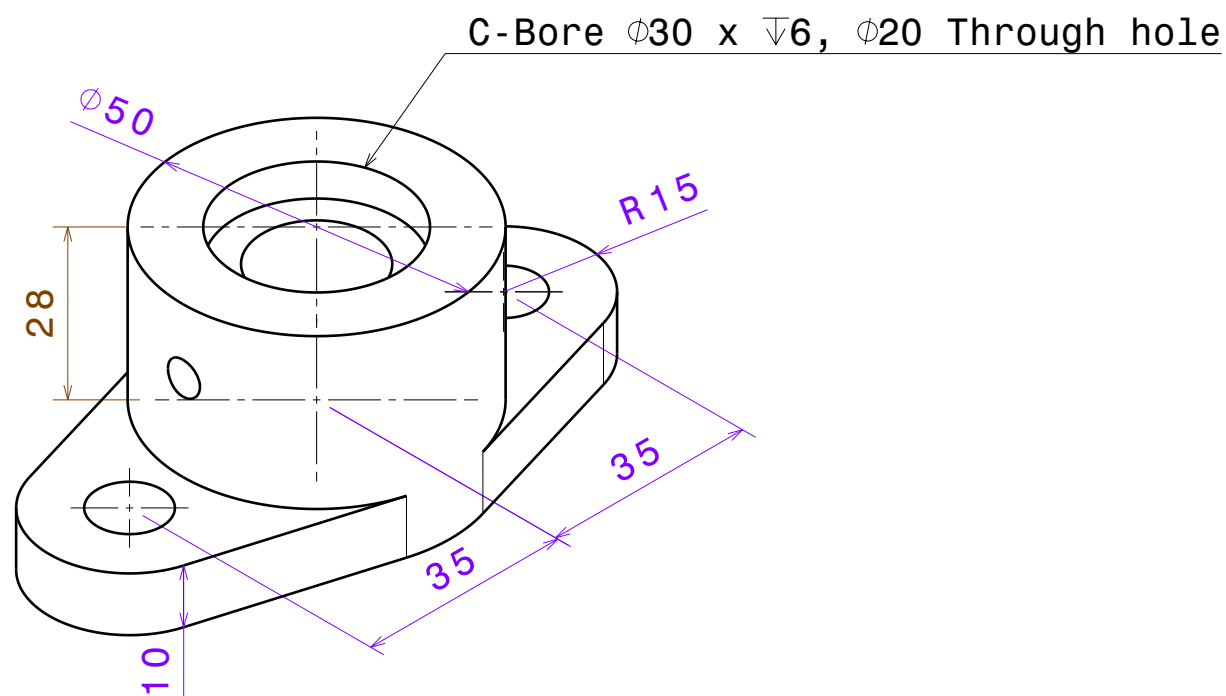
Front view



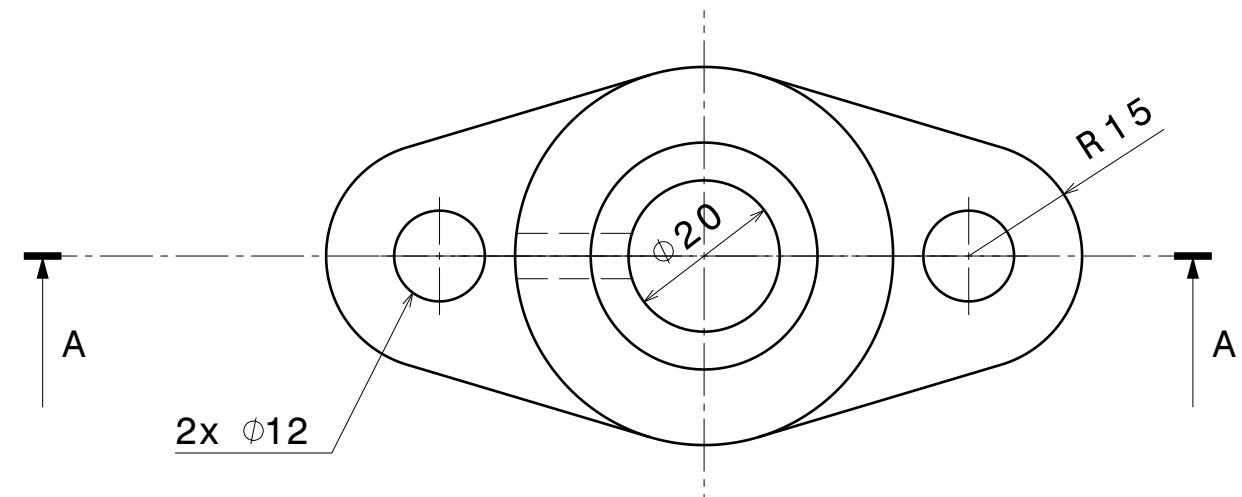
Section view A-A

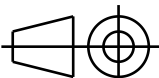


Isometric view



Top view



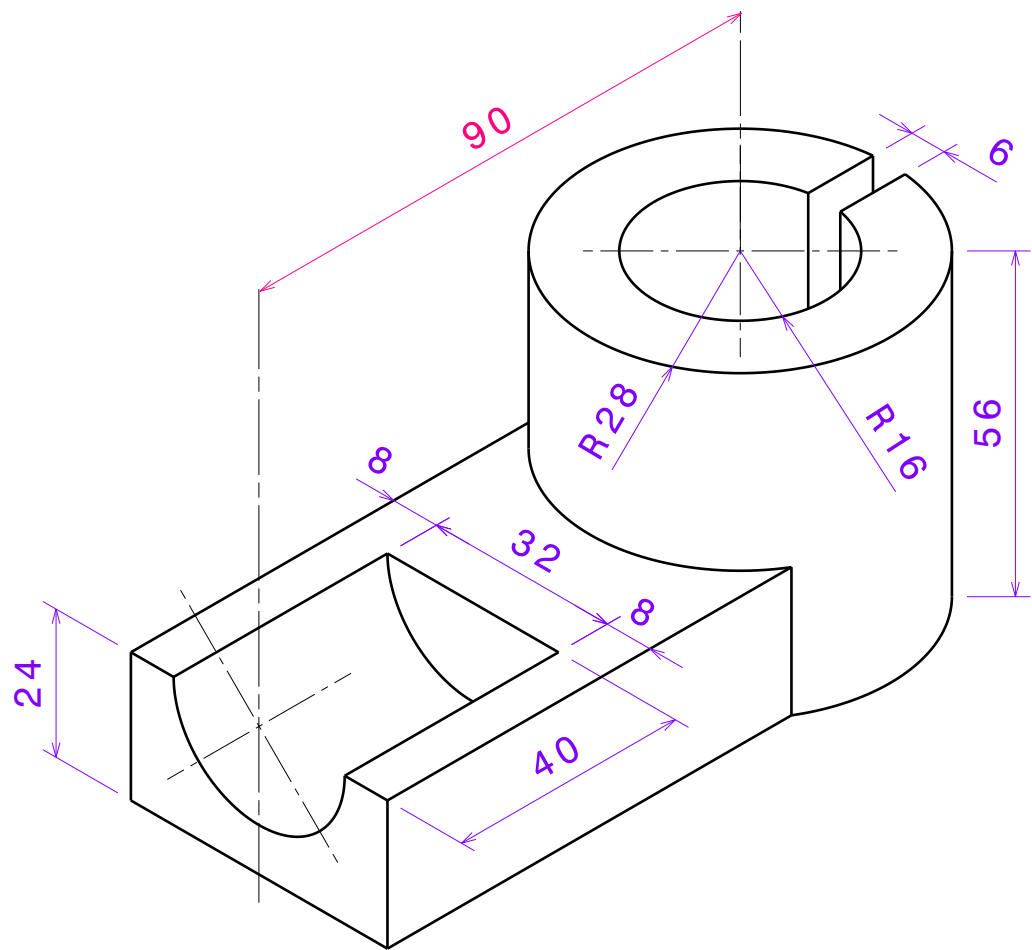
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		EXERCISE NO.: 67	F	—
SCALE	WEIGHT (kg)		E	—
engineeringcadcamcae2018@gmail.com			D	—
			C	—
			B	—
			A	—
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H

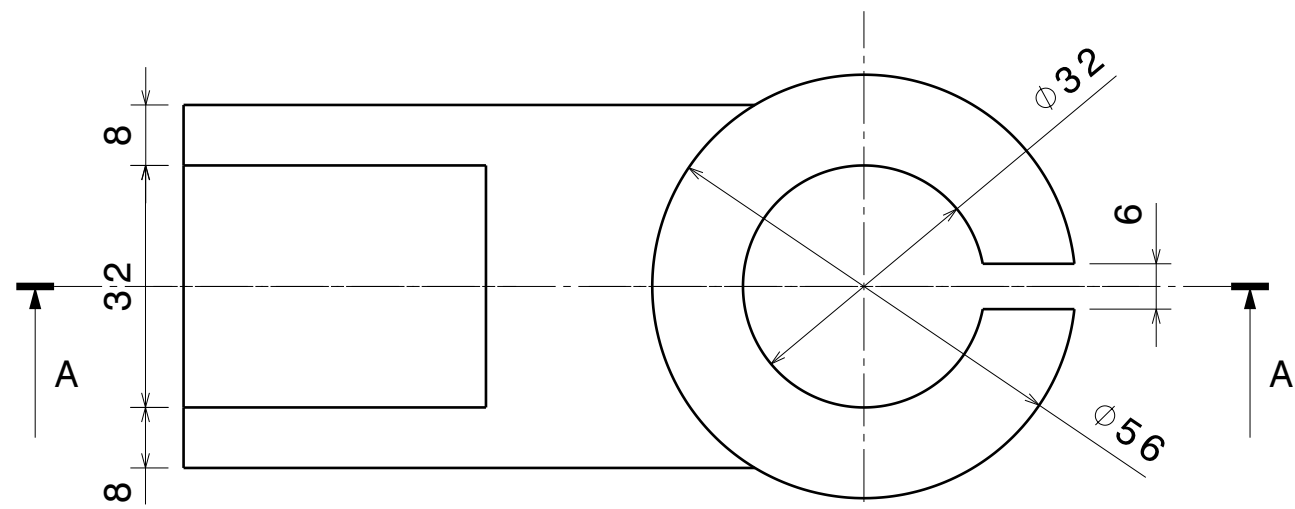
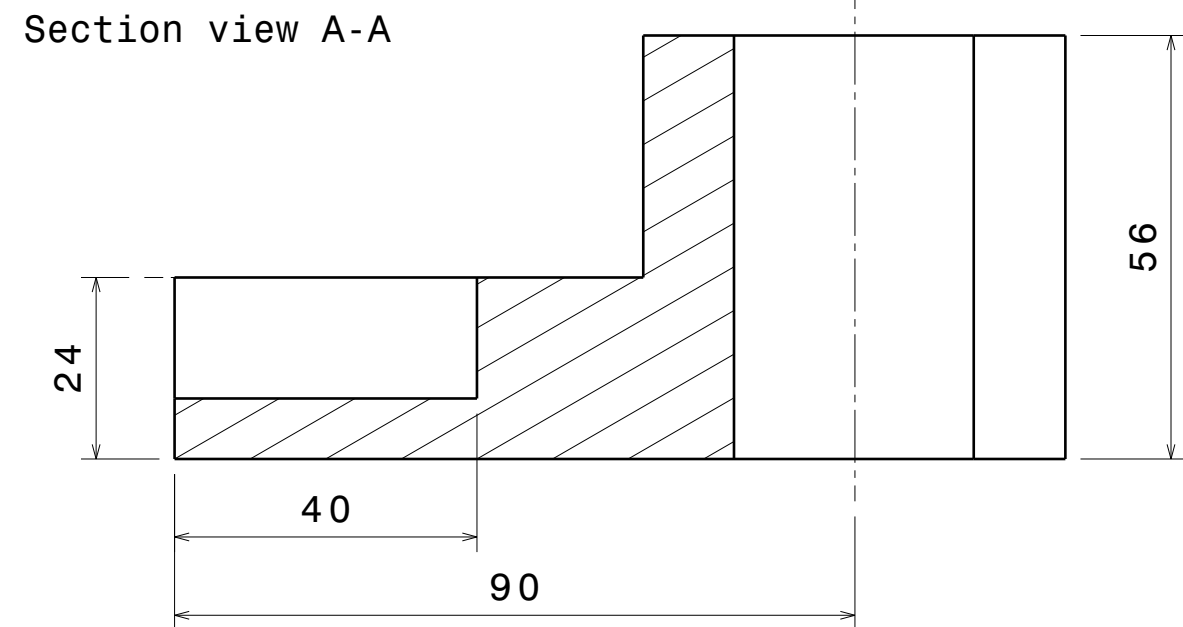
G

B

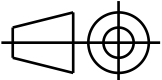
A



Isometric view



Top view

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

H

G

F

E

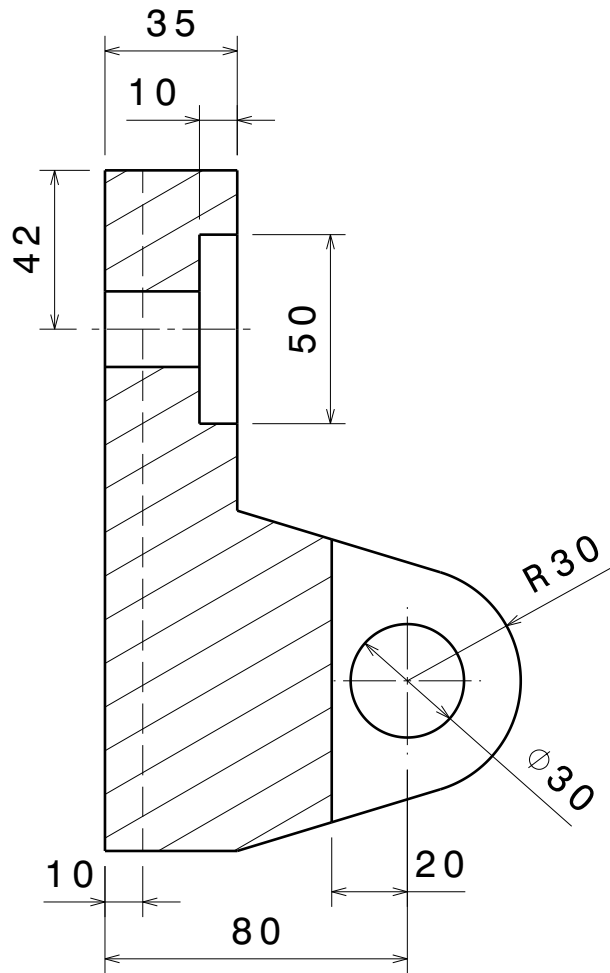
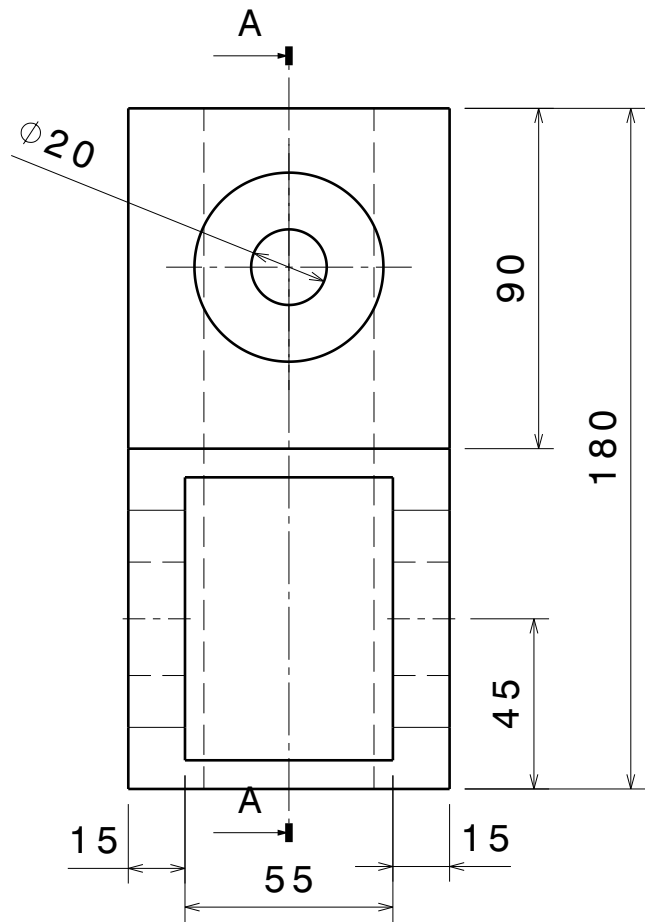
D

C

B

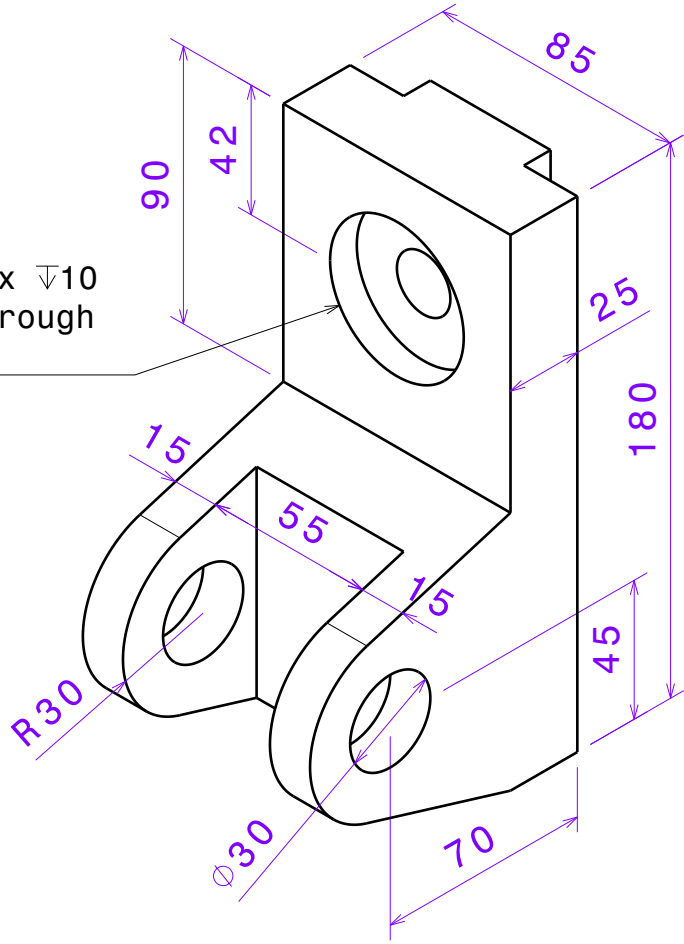
A

Front view

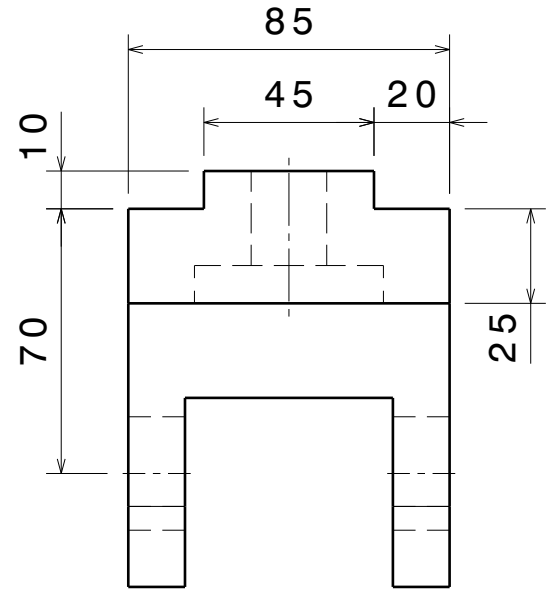


Section view A-A

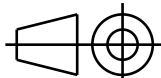
C'bore $\phi 50 \times \nabla 10$
with $\phi 20$ Through
hole.



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	—
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H

G

B

A

4

3

2

1

H

G

F

E

D

C

B

A

4

3

2

1

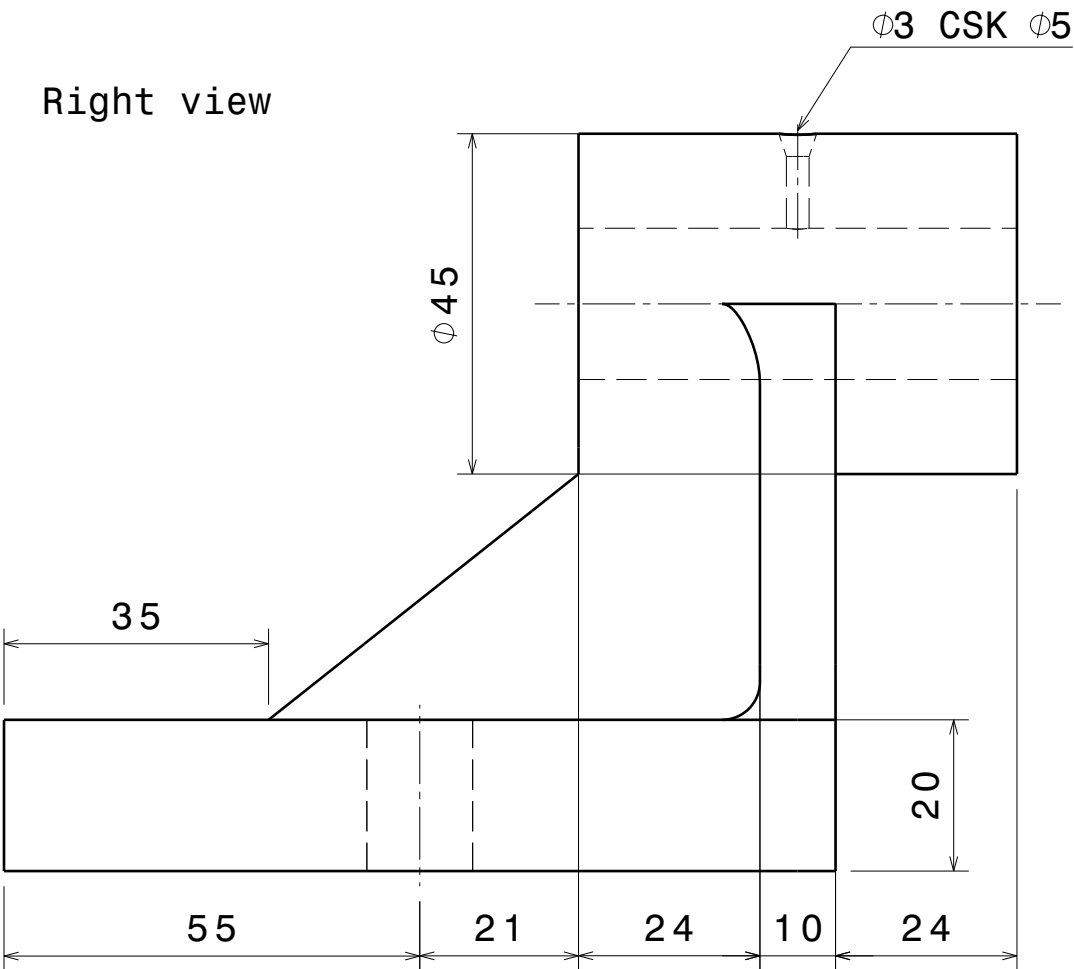
H

G

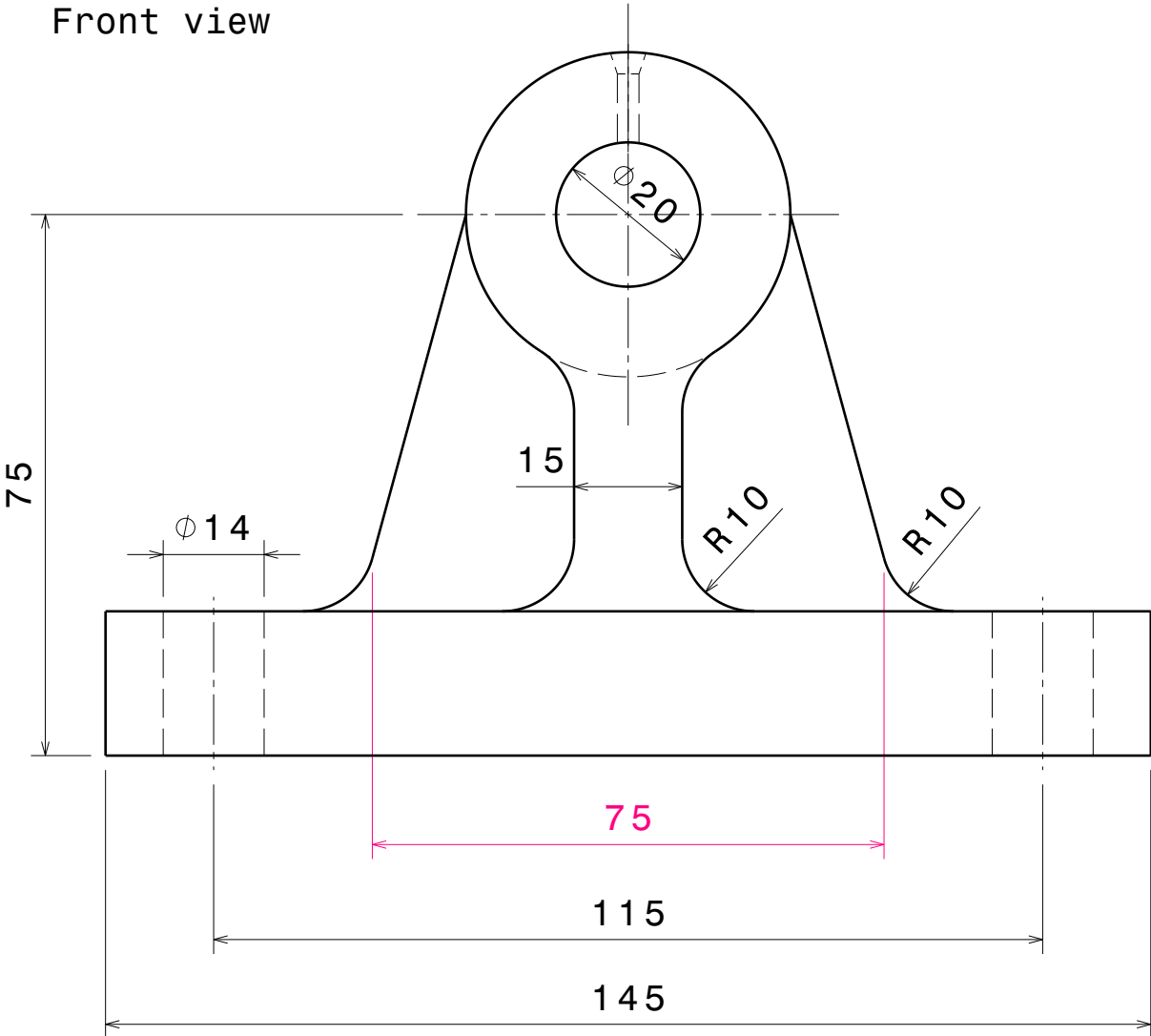
B

A

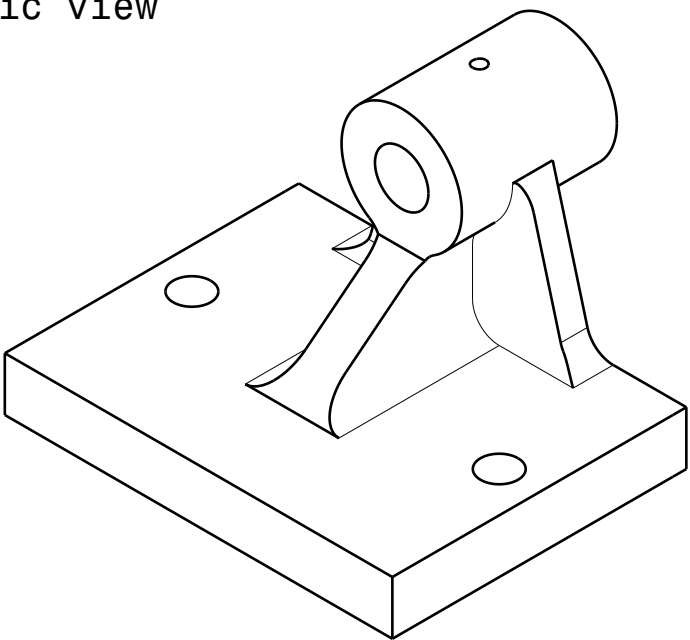
Right view

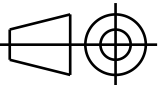


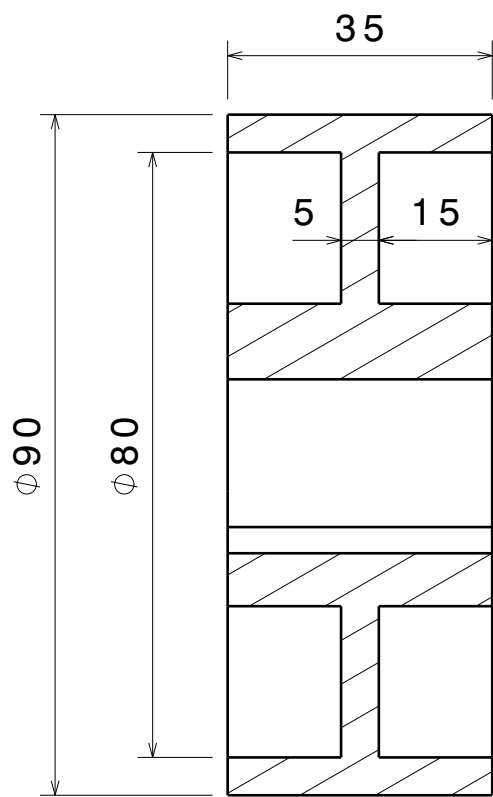
Front view



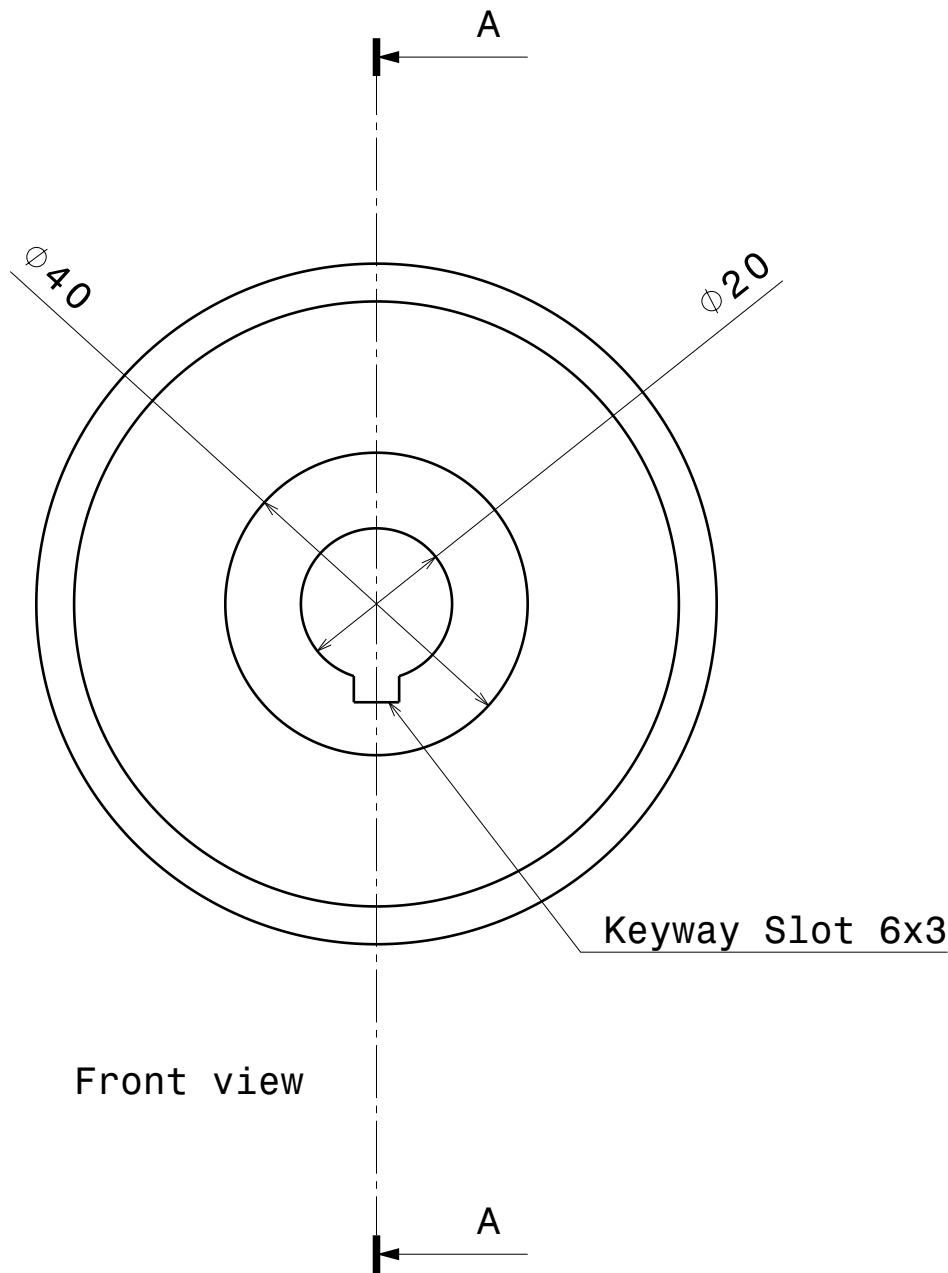
Isometric view



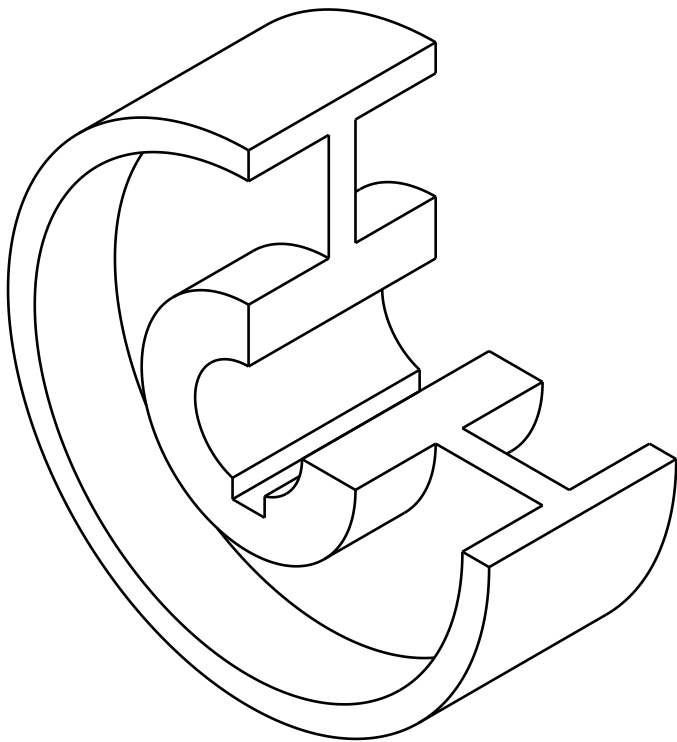
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:		F	-	
SIZE		EXERCISE NO.: 70	E	-
A3			D	-
SCALE			C	-
WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	B	-	
		A	-	
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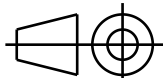
Section view A-A



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.: 71	E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
			A	-
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4

3

2

1

H

G

F

E

D

C

B

A

4

3

2

1

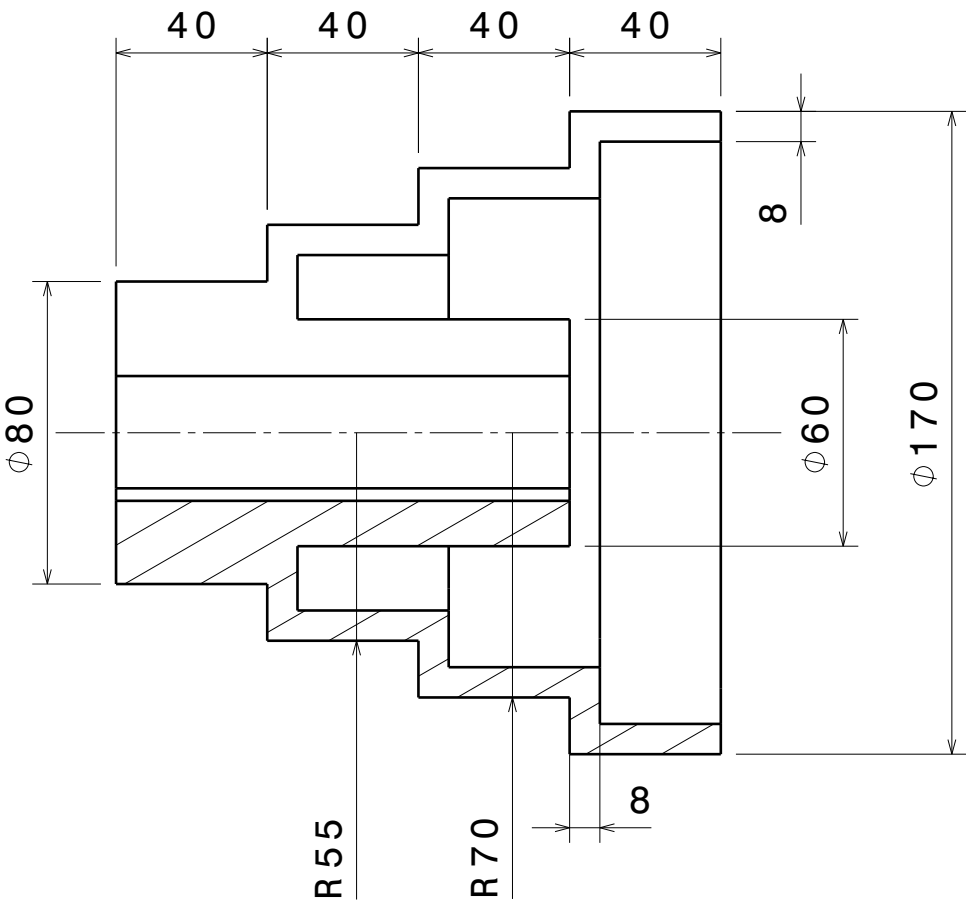
H

G

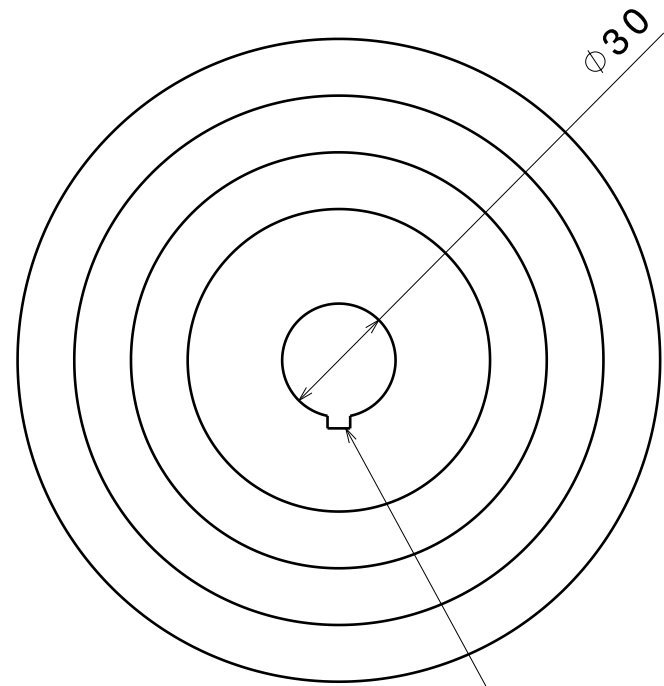
B

A

Section view A-A

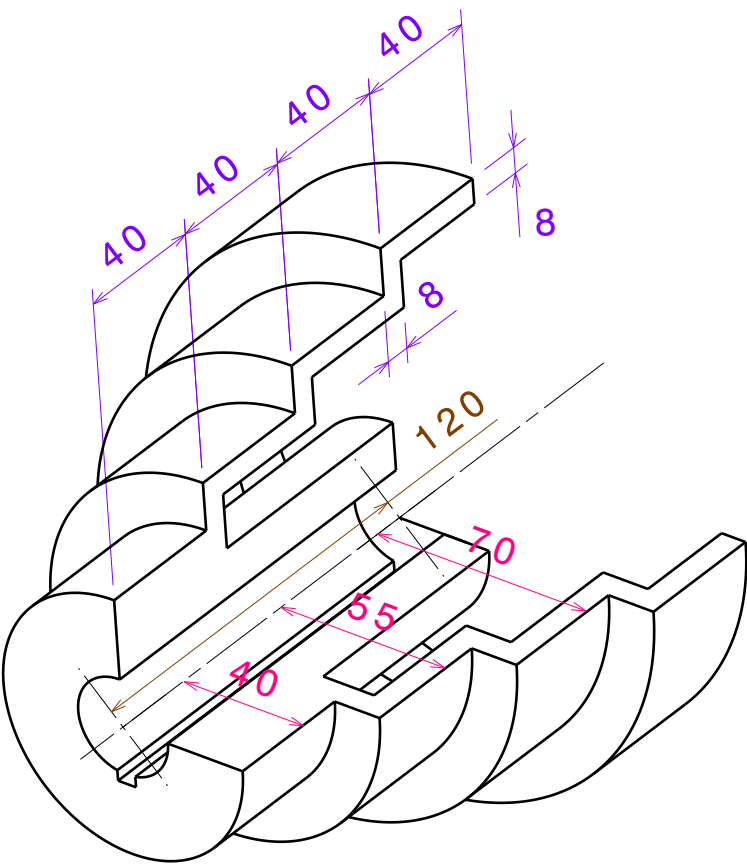


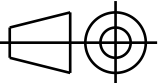
Front view

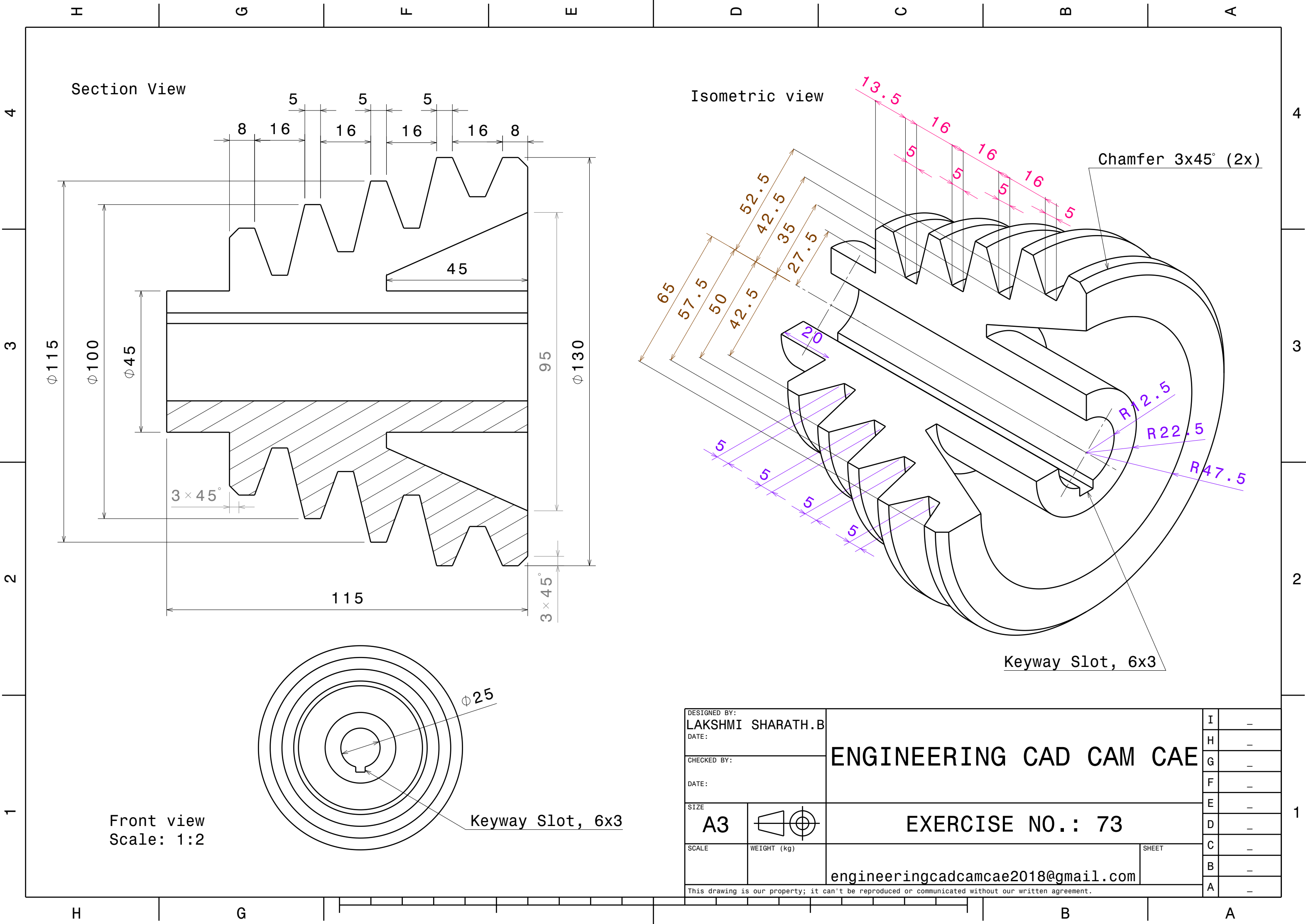


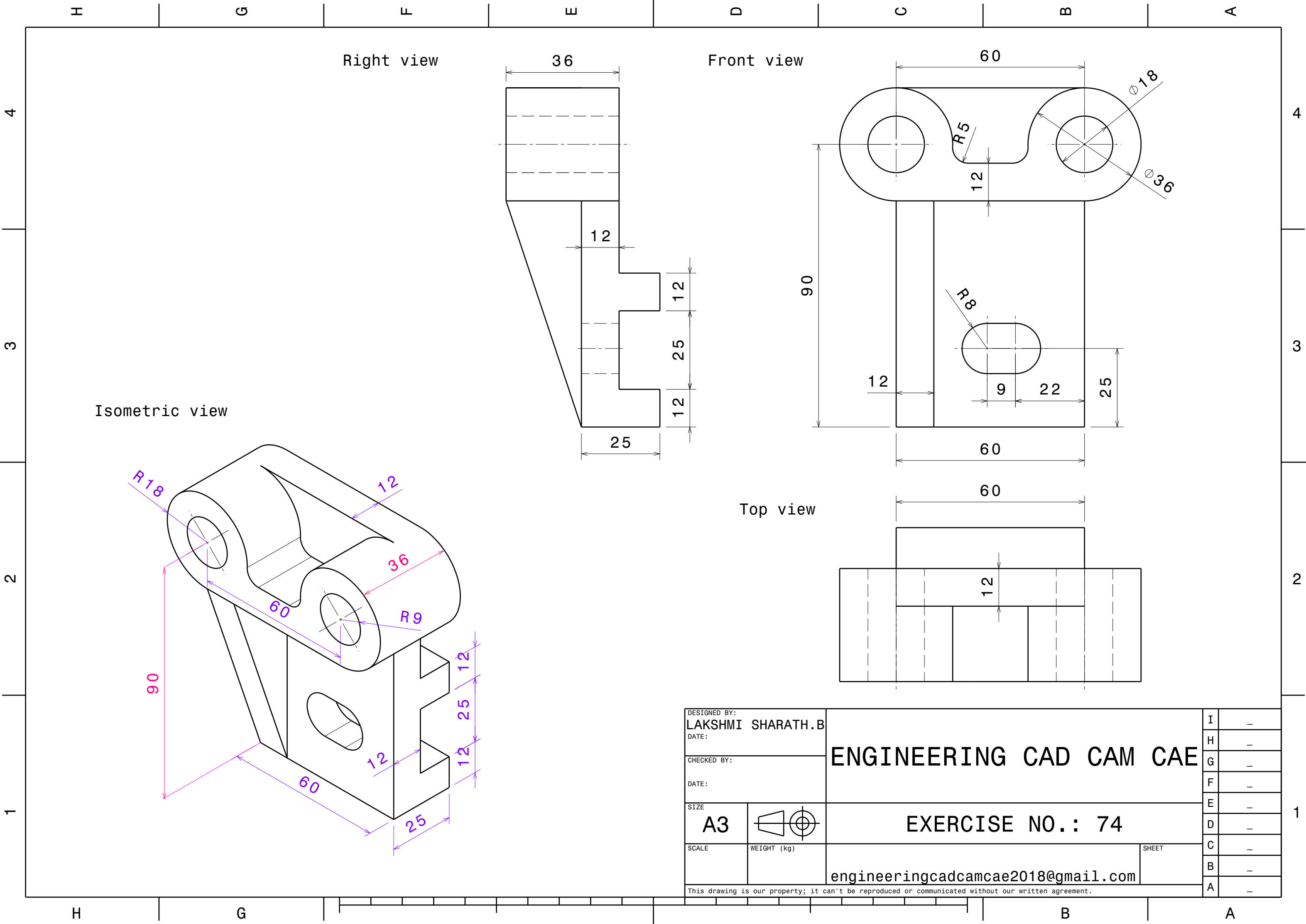
Keyway Slot 6x3

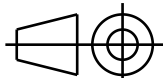
Isometric view



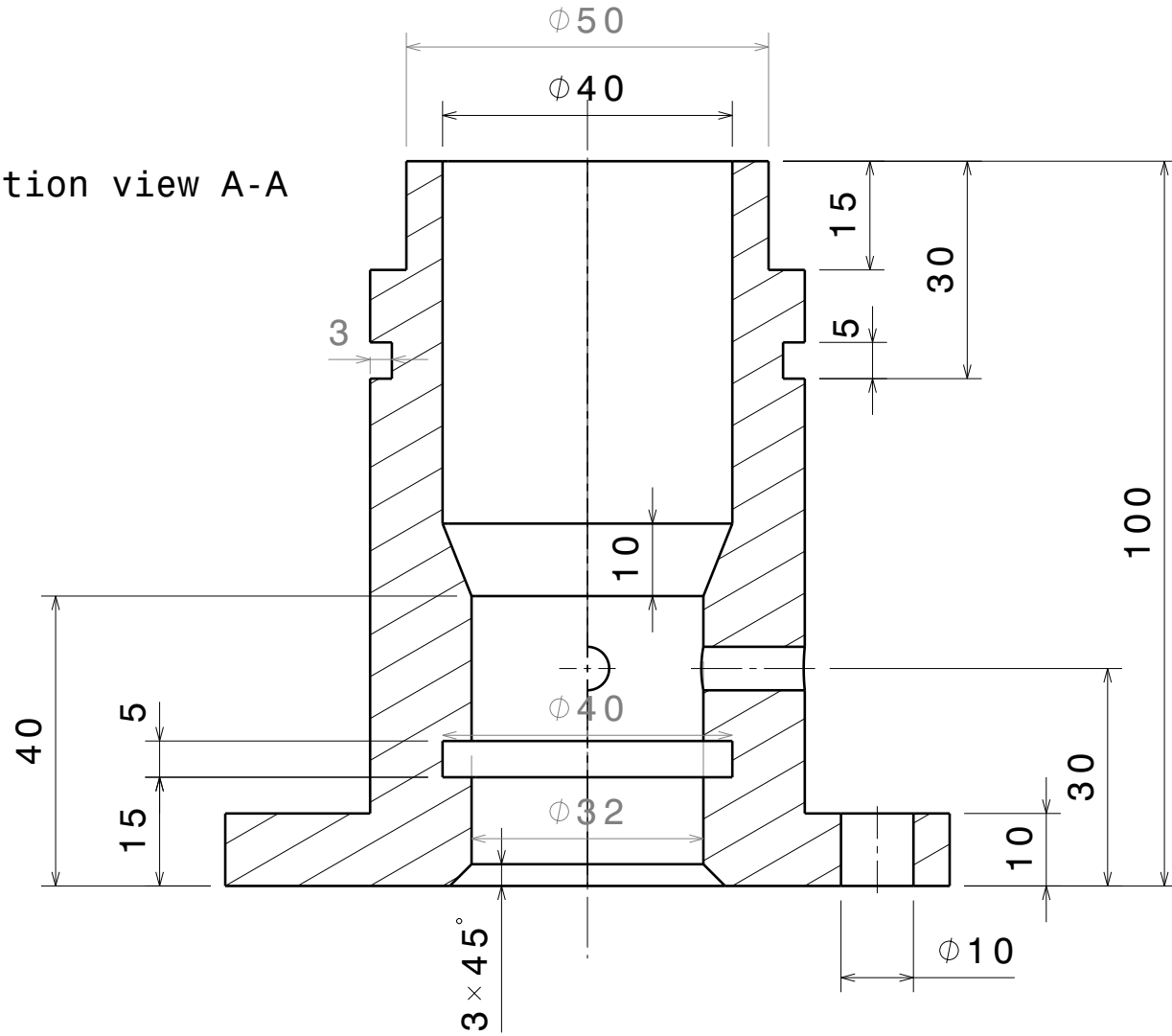
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:		EXERCISE NO.: 72	F	-
SIZE A3			E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
			A	-
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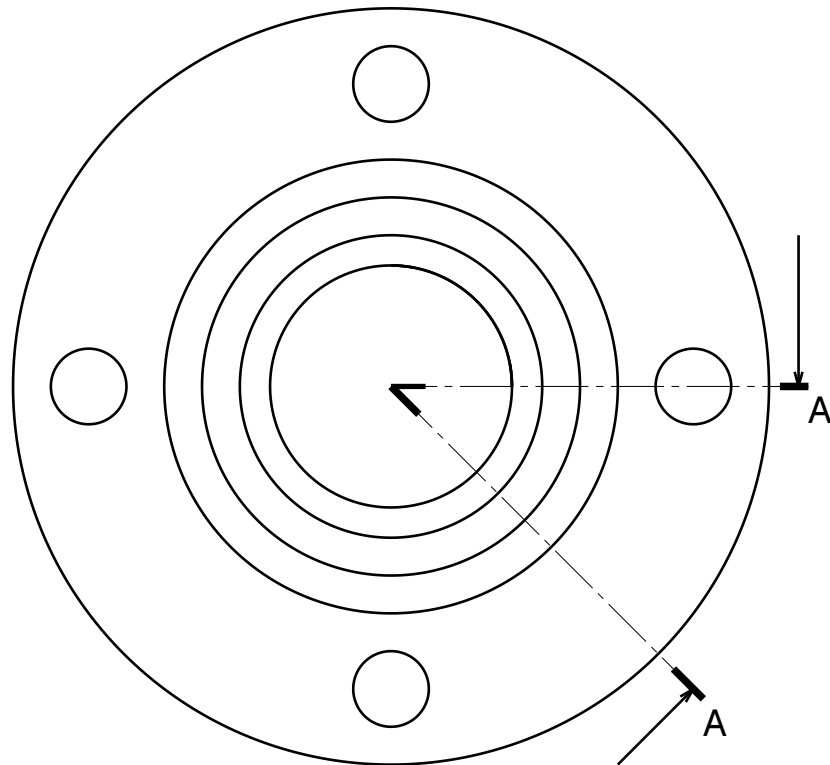


DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:			F	-
SIZE A3		EXERCISE NO.: 74	E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	-

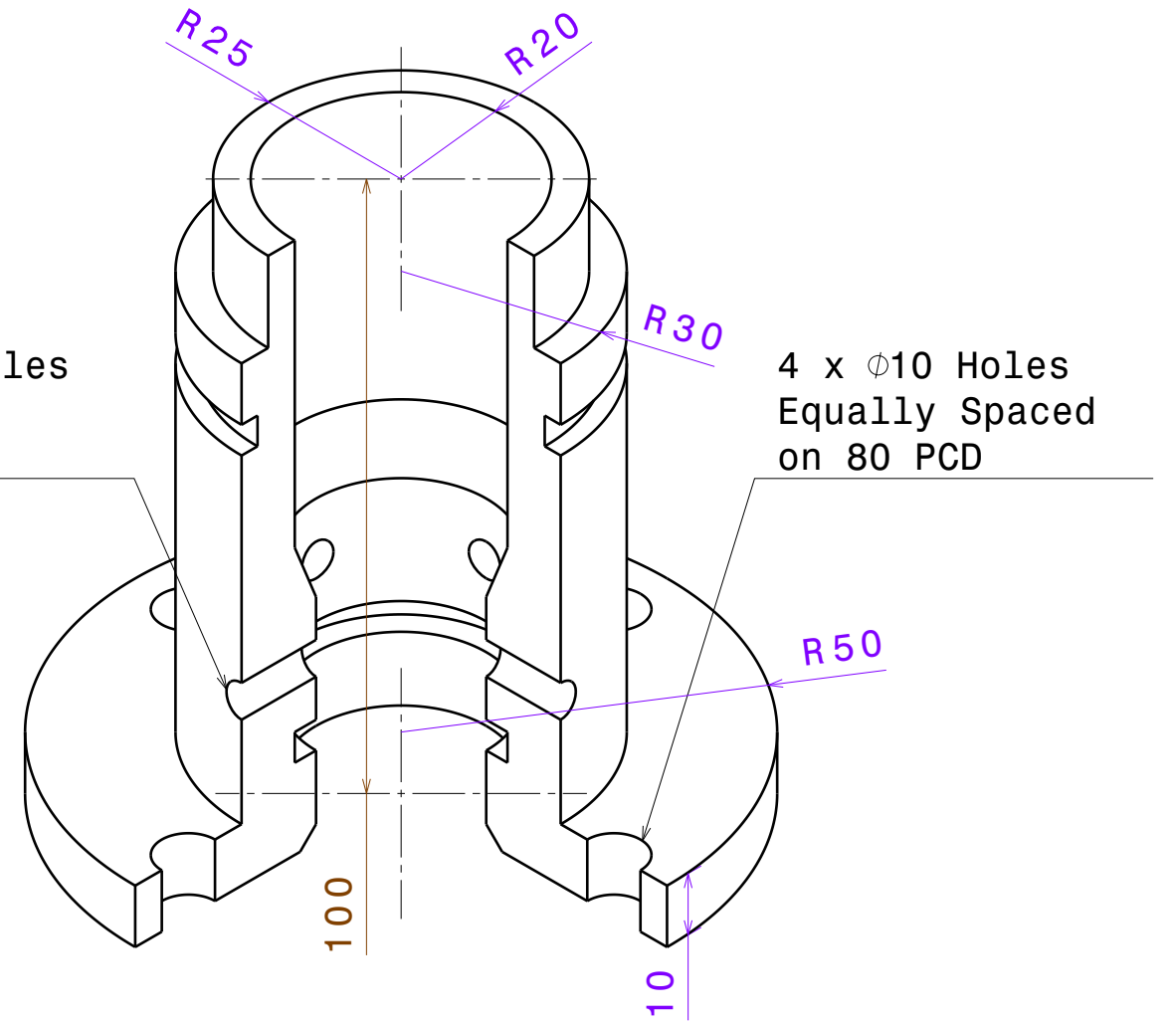
Section view A-A



Top View

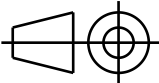


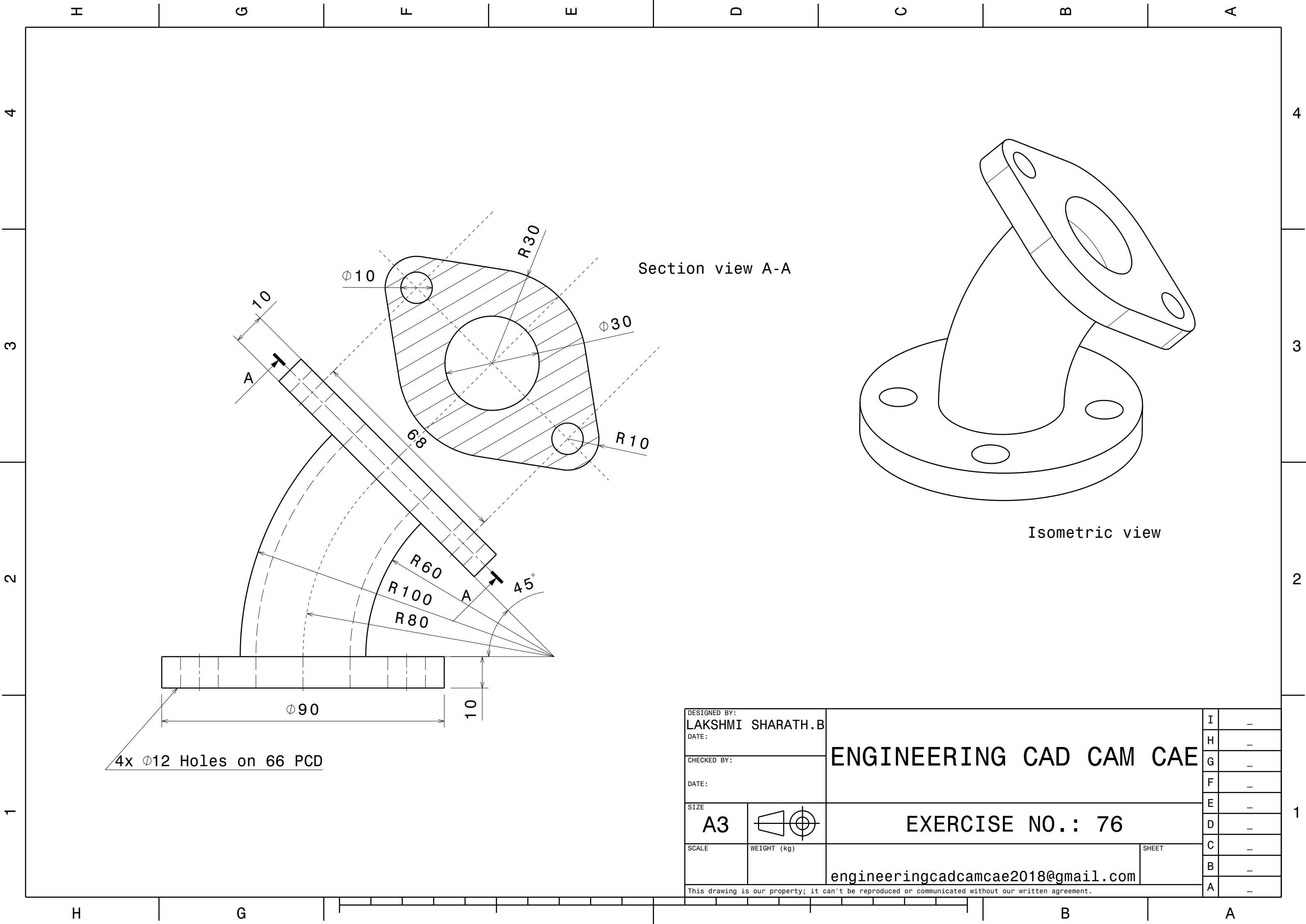
4 x $\phi 6$ Holes
Equally
Spaced



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	—
SIZE A3		EXERCISE NO.: 75	F	—
			E	—
SCALE			D	—
WEIGHT (kg)		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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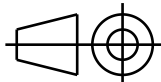
DESIGNED BY:
LAKSHMI SHARATH.B
DATE:

CHECKED BY:

DATE:

SIZE

A3



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

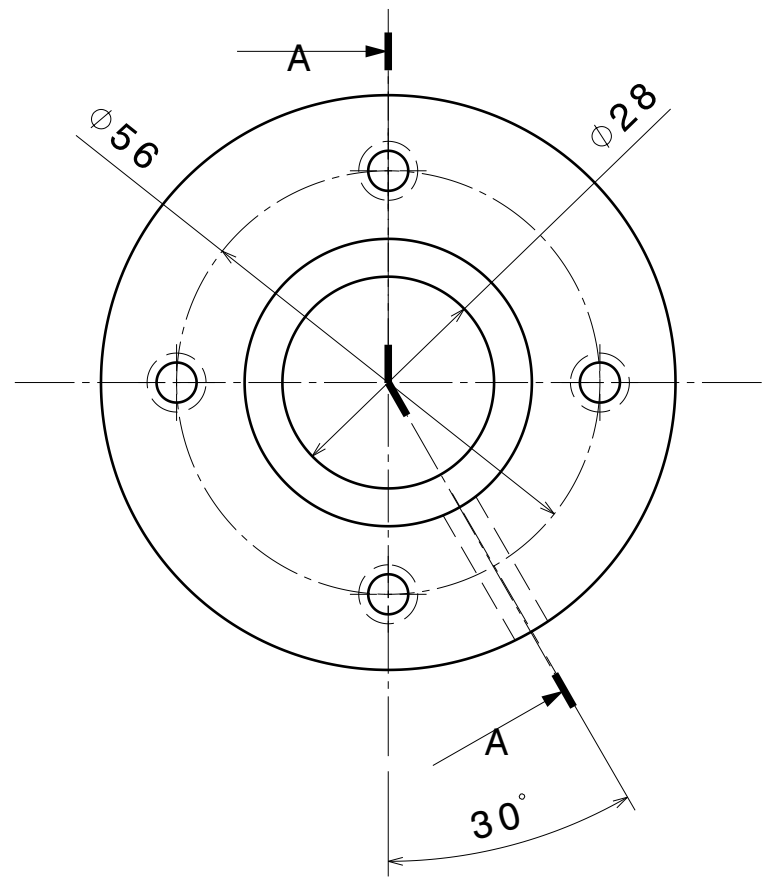
EXERCISE NO.: 76

engineeringcadcamcae2018@gmail.com

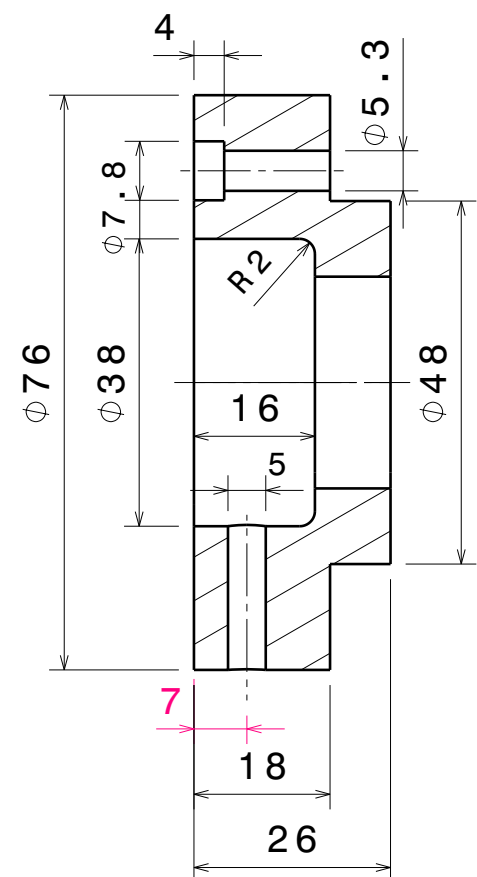
SHEET

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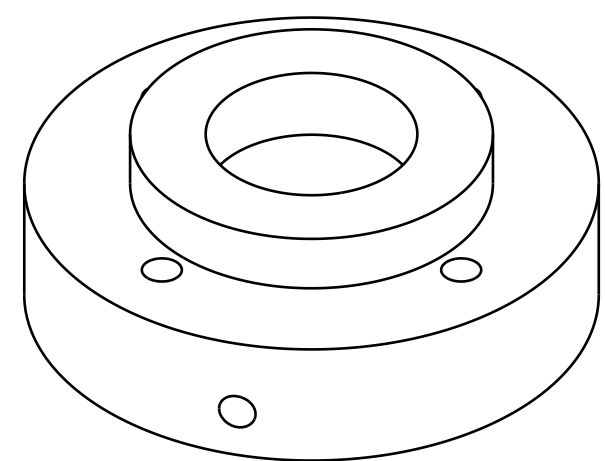
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



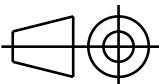
Front view



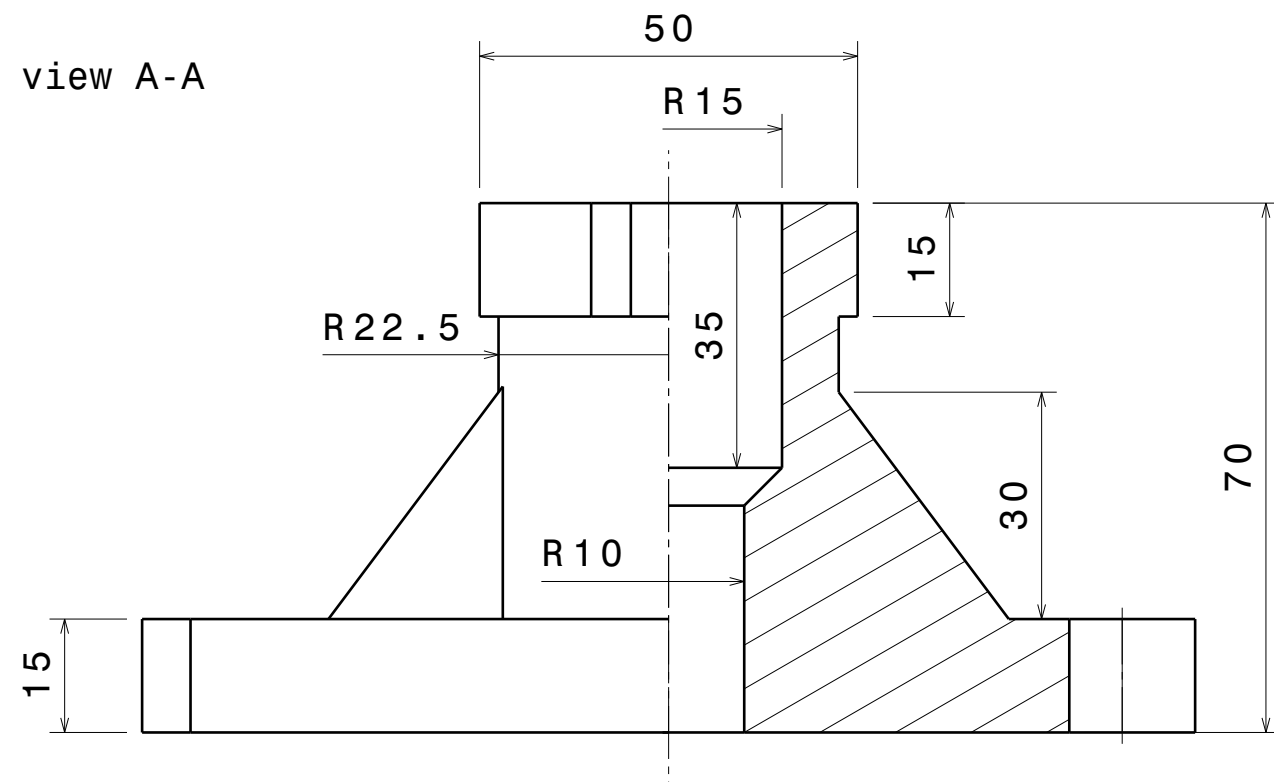
Section view A-A



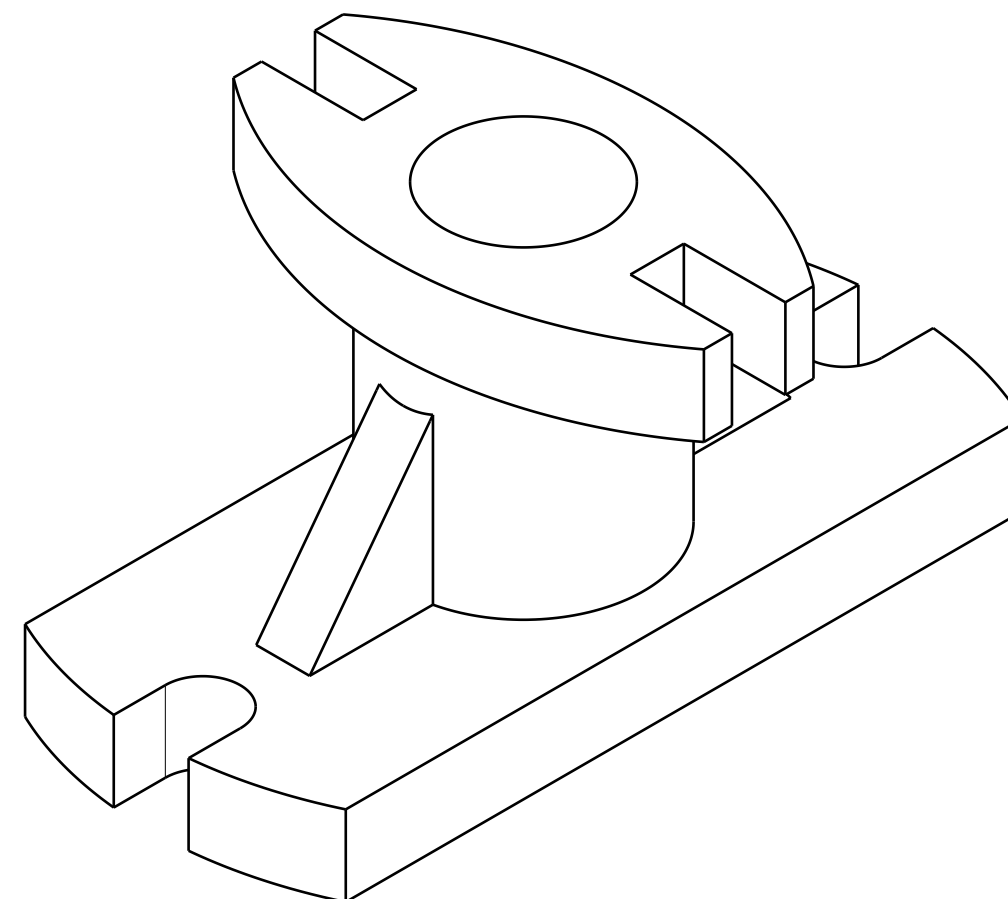
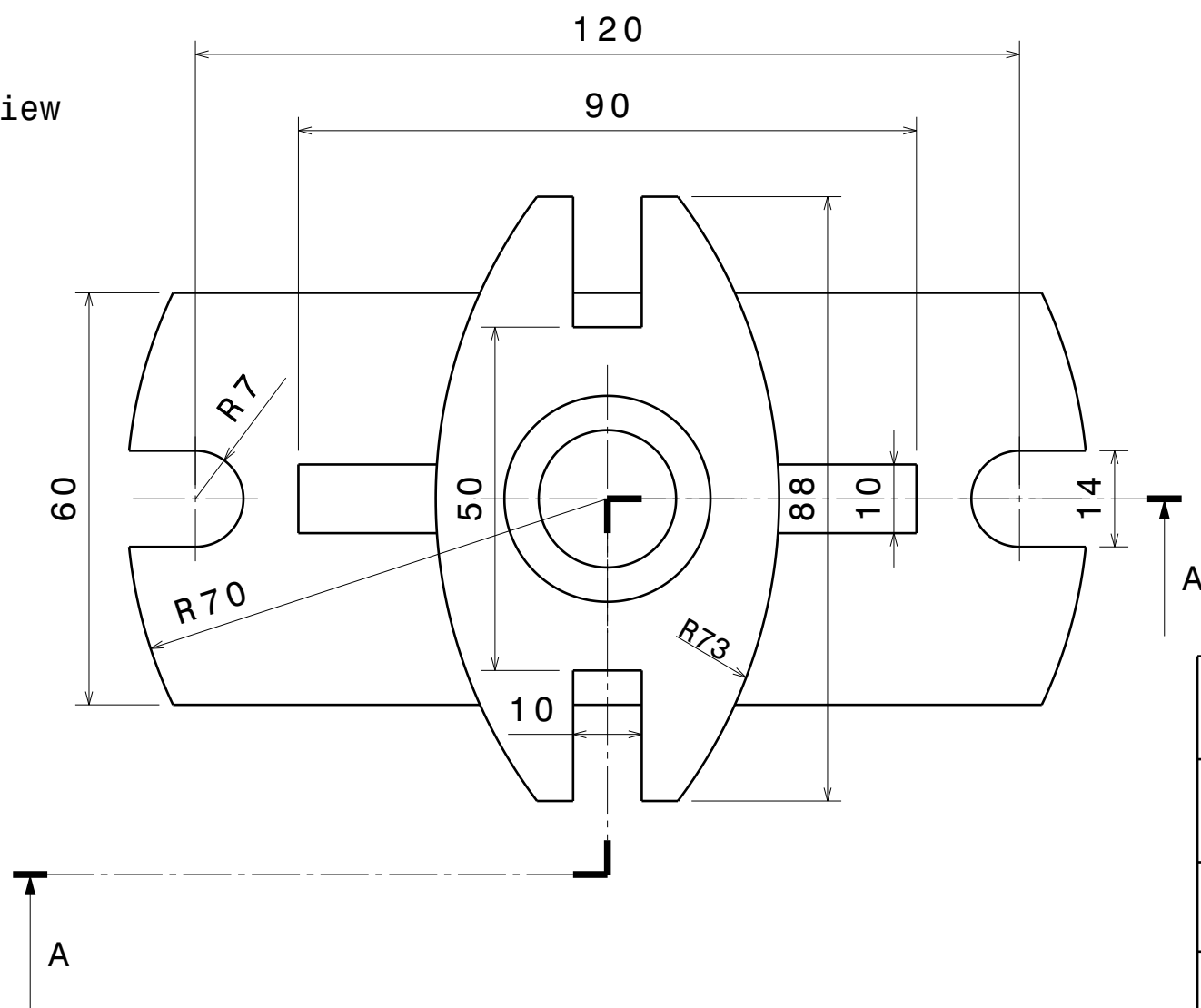
Isometric view

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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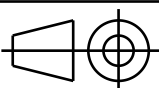
Section view A-A



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	—
SCALE	WEIGHT (kg)			D	—
		engineeringcadcamcae2018@gmail.com		C	—
				B	—
				A	—
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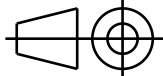
Section view A-A

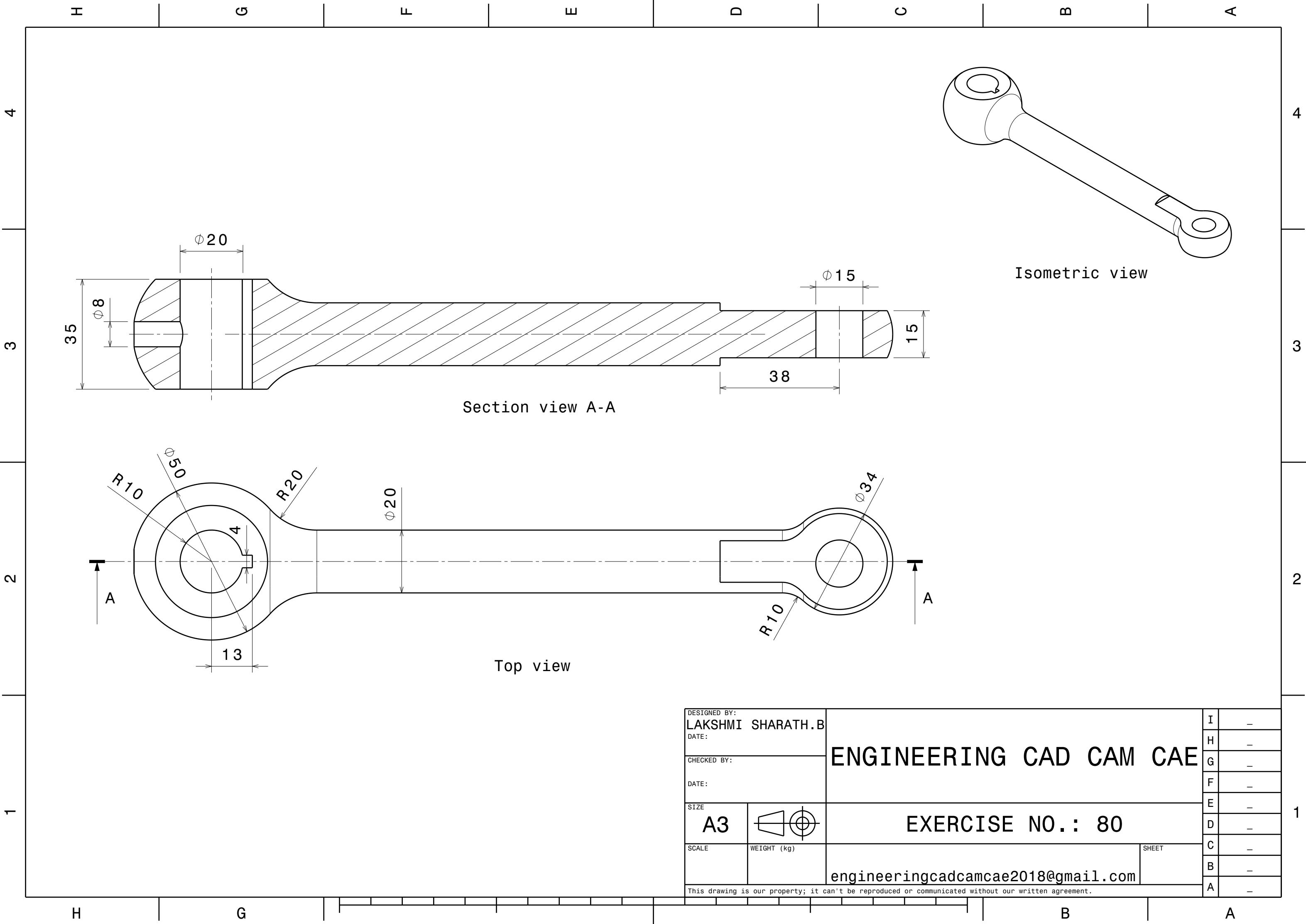
4x $\phi 7$ on
PCD 68

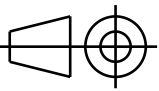
Top View

Section view B-B

Isometric view

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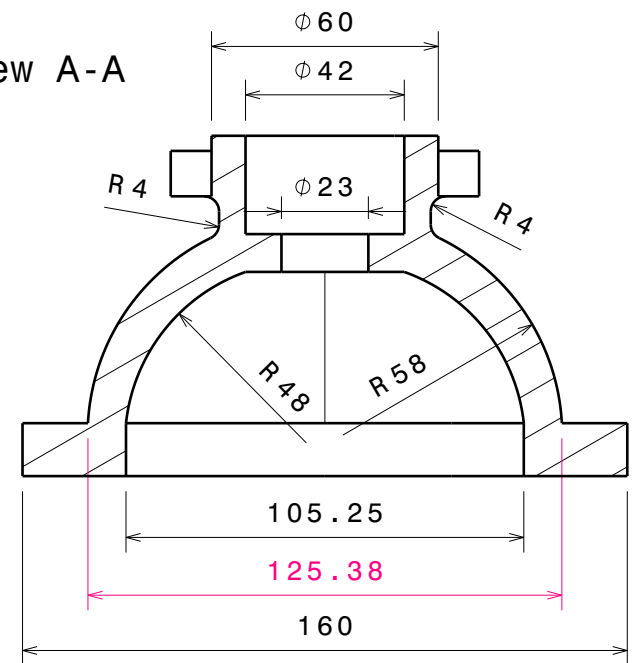


DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE		I	-
DATE:				H	-
CHECKED BY:				G	-
DATE:				F	-
SIZE A3		EXERCISE NO.: 80		E	-
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		D	-
				C	-
		SHEET	B	-	
			A	-	

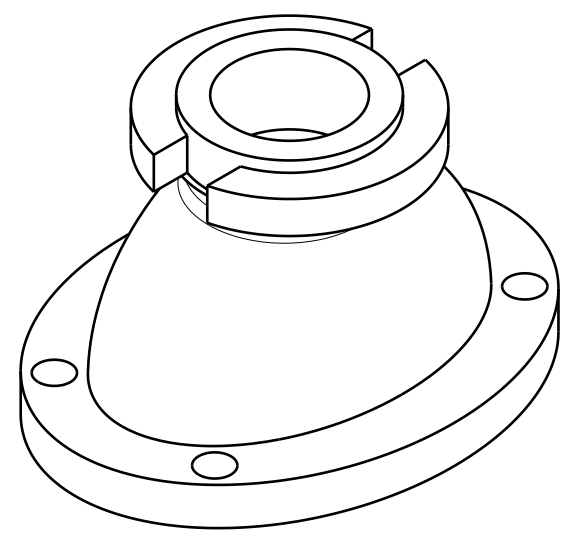
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This drawing is our property; it can't be reproduced or communicated without our written agreement.

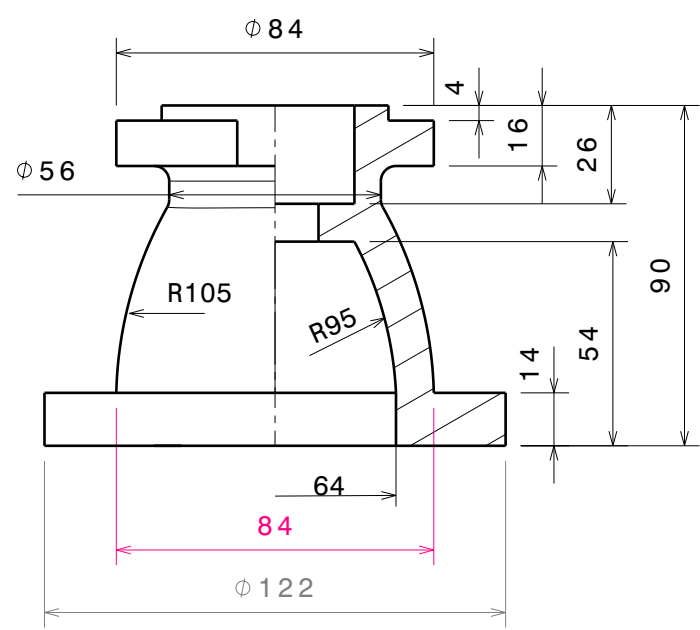
Section view A-A



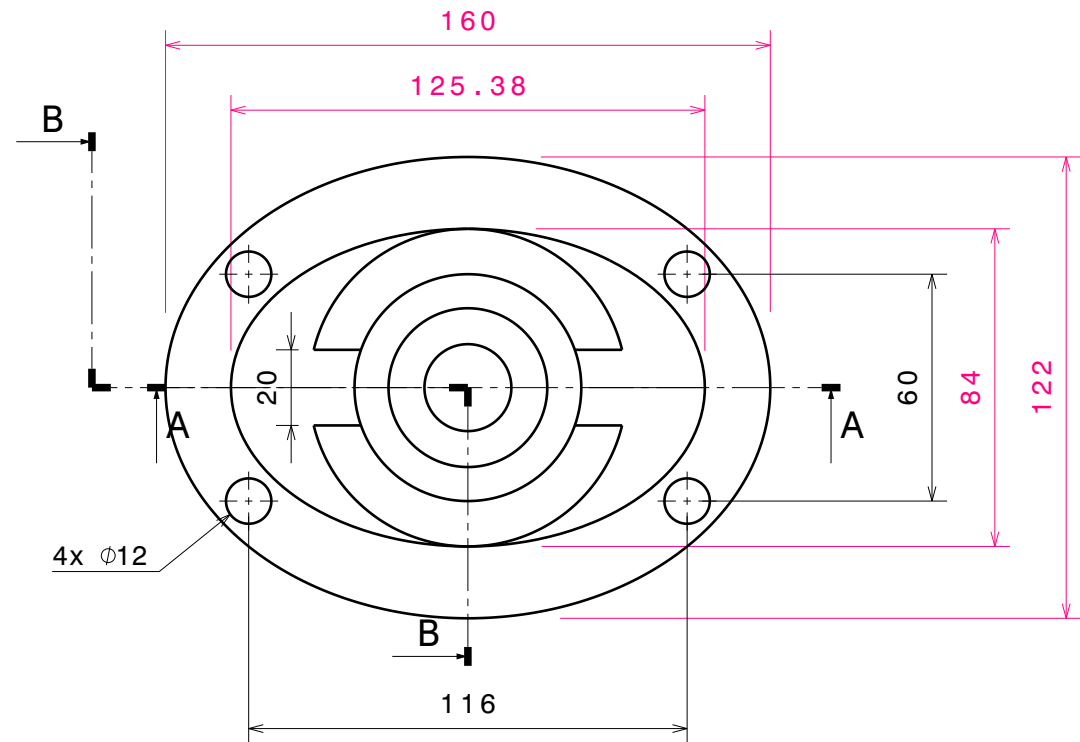
Isometric view

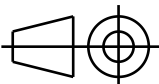


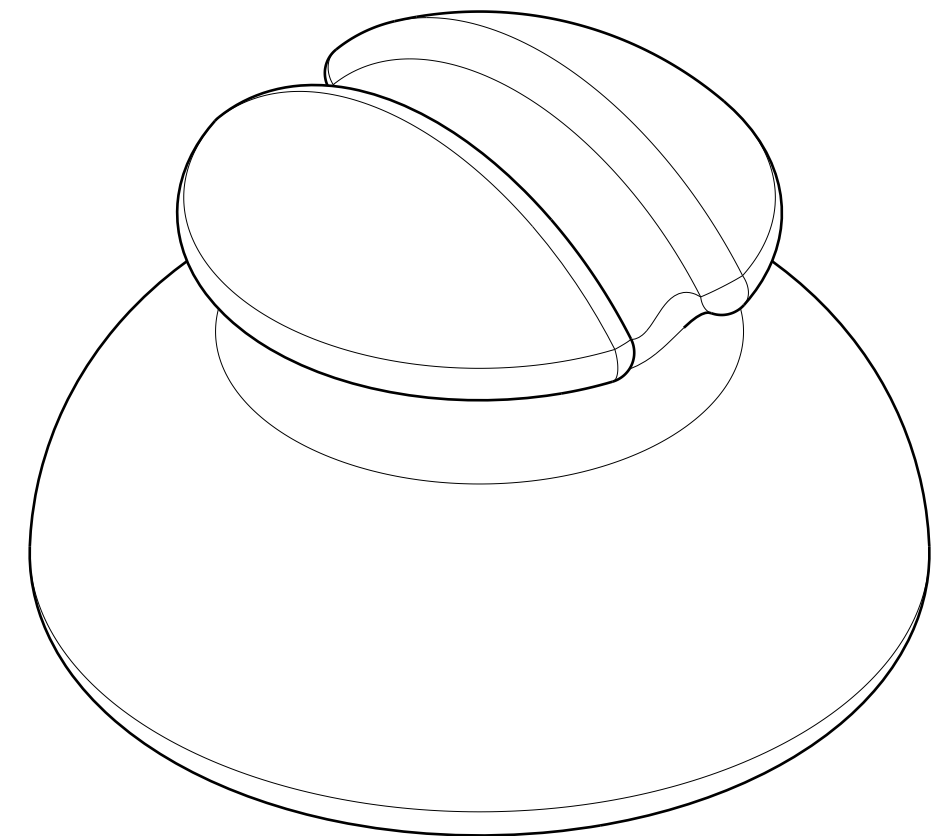
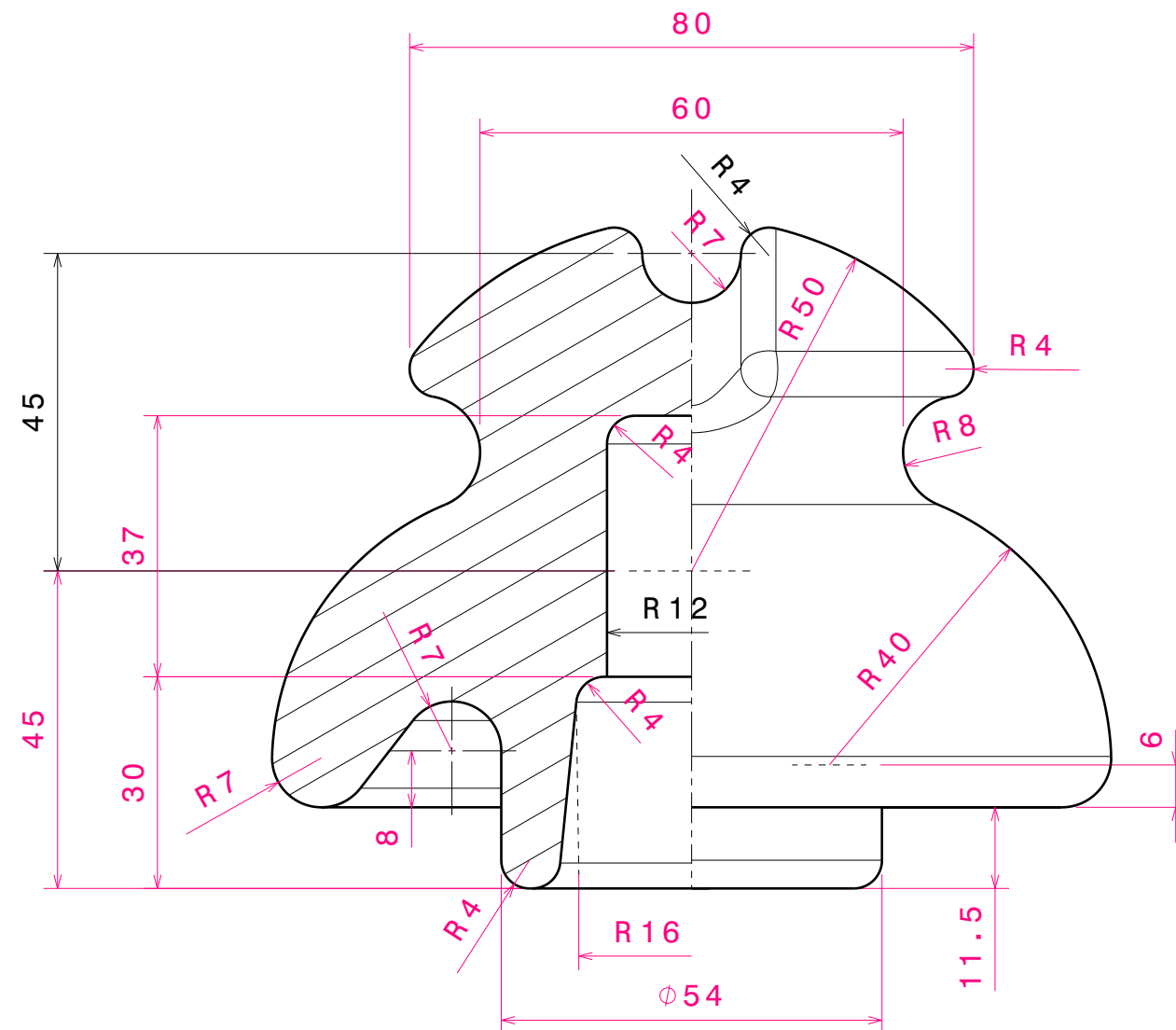
Section view B-B



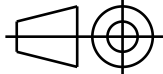
Front view



DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A3		EXERCISE NO.: 81	E	—
SCALE	WEIGHT (kg)		D	—
			C	—
			B	—
		engineeringcadcamcae2018@gmail.com	A	—
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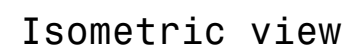
Isometric view

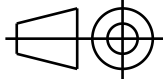
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE		I	—
DATE:				H	—
CHECKED BY:				G	—
DATE:				F	—
SIZE		EXERCISE NO.: 82		E	—
A3				D	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		C	—
				B	—
				A	—
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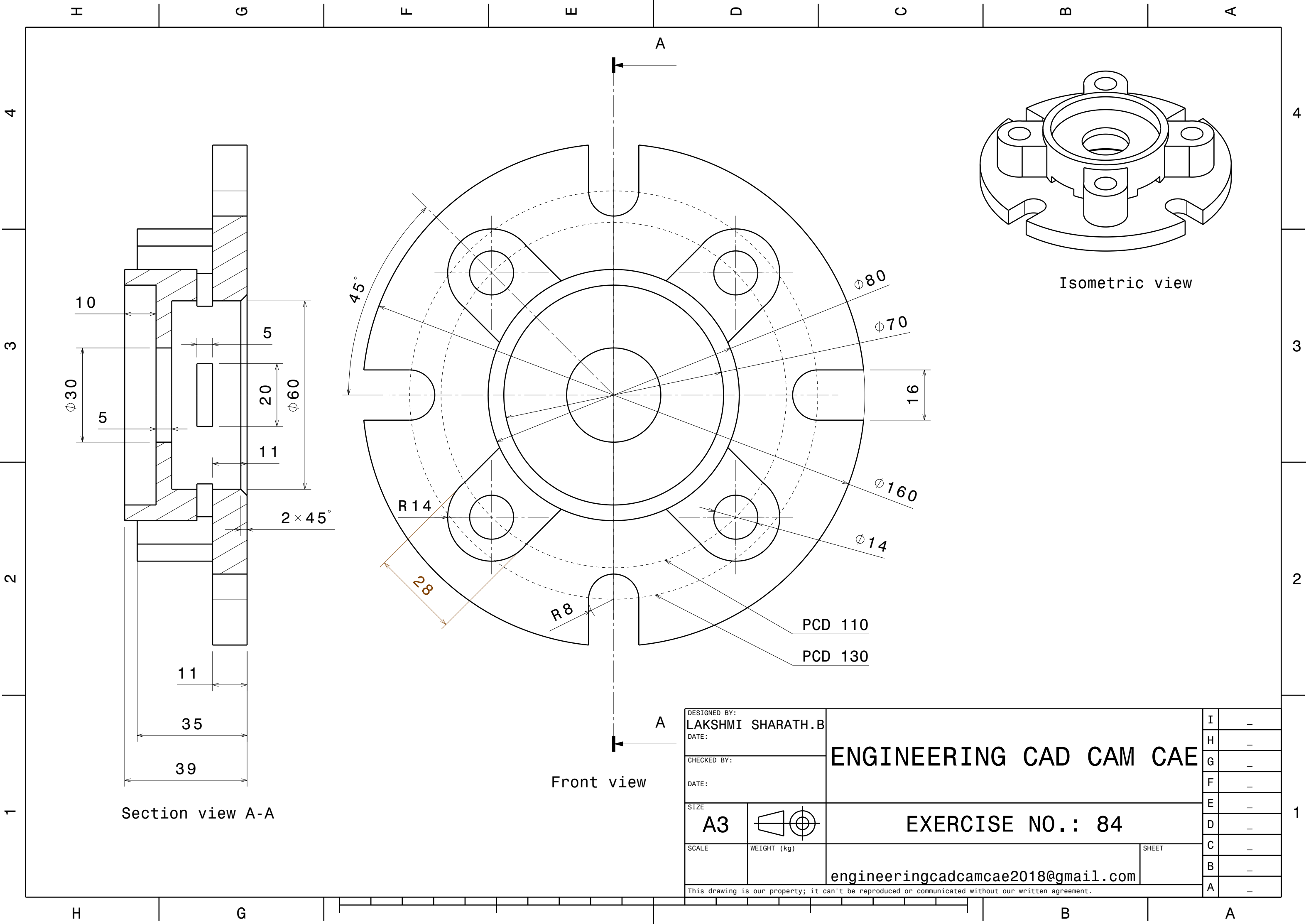
Technical drawing of a mechanical part (Fig. 1.10) showing a cross-section with dimensions: 1.5 x 45°, R10, R3, 6, 50, 35, 28, 38, 5, 26, 45.

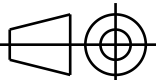
Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and features:

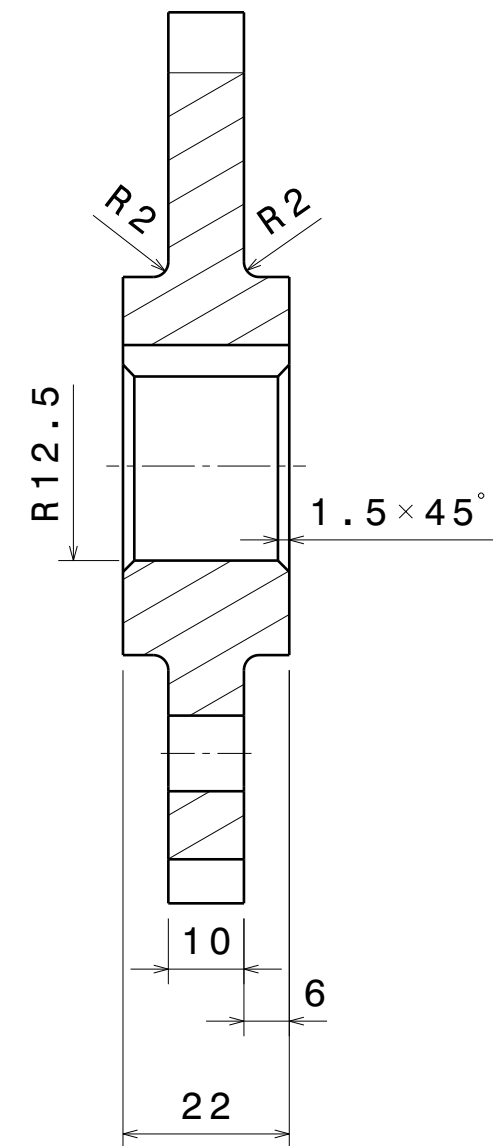
- Top flange width: 35
- Top flange thickness: 1.5
- Top flange chamfer: 45°
- Main body width: 24
- Main body height: 94
- Bottom flange width: 35
- Bottom flange thickness: 1.5
- Bottom flange chamfer: 45°
- Bottom flange radius: R2
- Mounting holes: Two holes, each with a diameter of $\varnothing 12$ and a depth of 10.
- Mounting hole spacing: 21 (center-to-center)
- Mounting hole diameter: $\varnothing 12$
- Mounting hole depth: 10
- Mounting hole thread: M12x1.5
- Mounting hole position: 15 (from the centerline of the main body)
- Mounting hole offset: 6 (from the bottom flange)



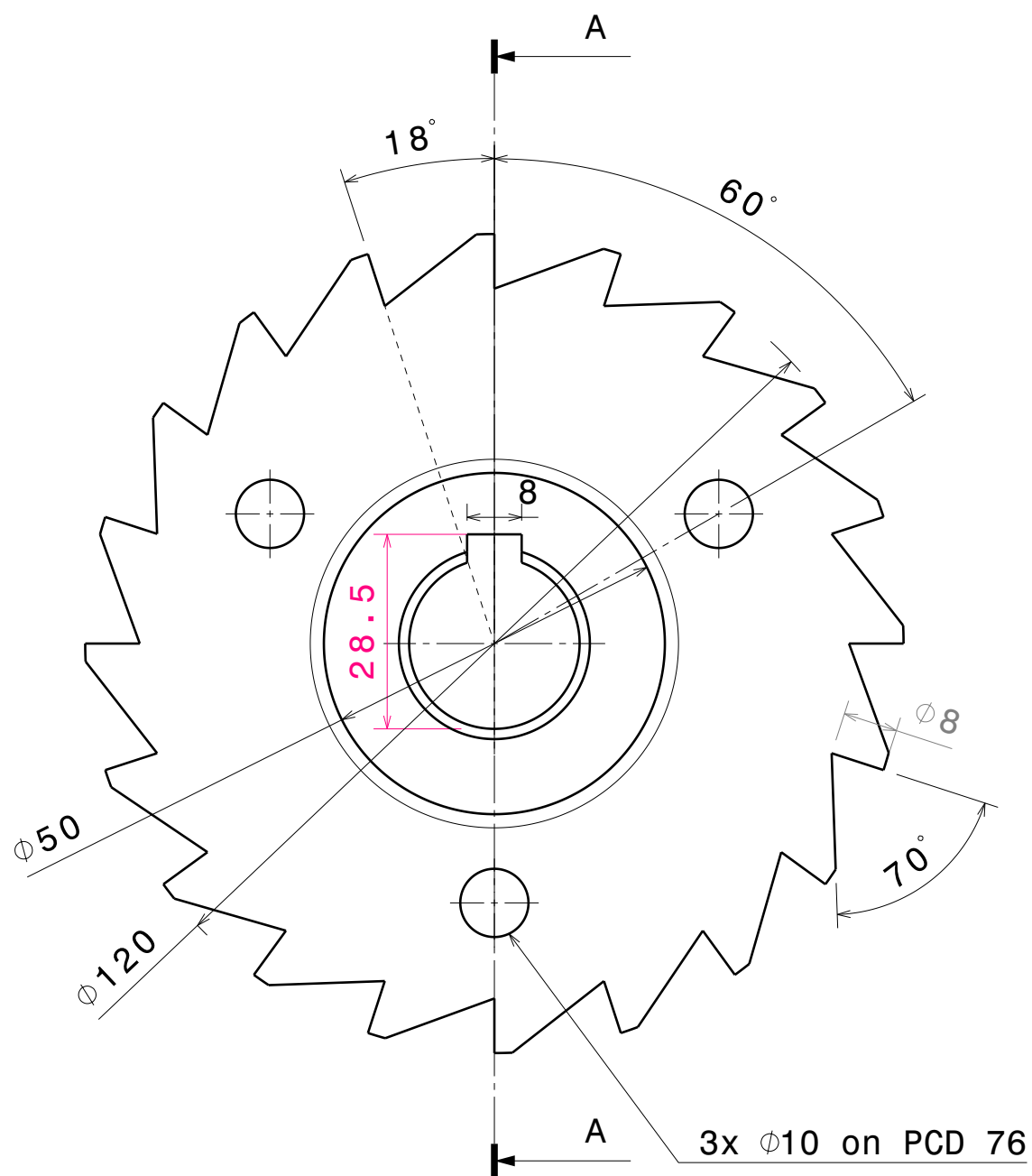
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		EXERCISE NO.: 83	F	—
SCALE	WEIGHT (kg)		E	—
engineeringcadcamcae2018@gmail.com			D	—
SHEET			C	—
			B	—
			A	—
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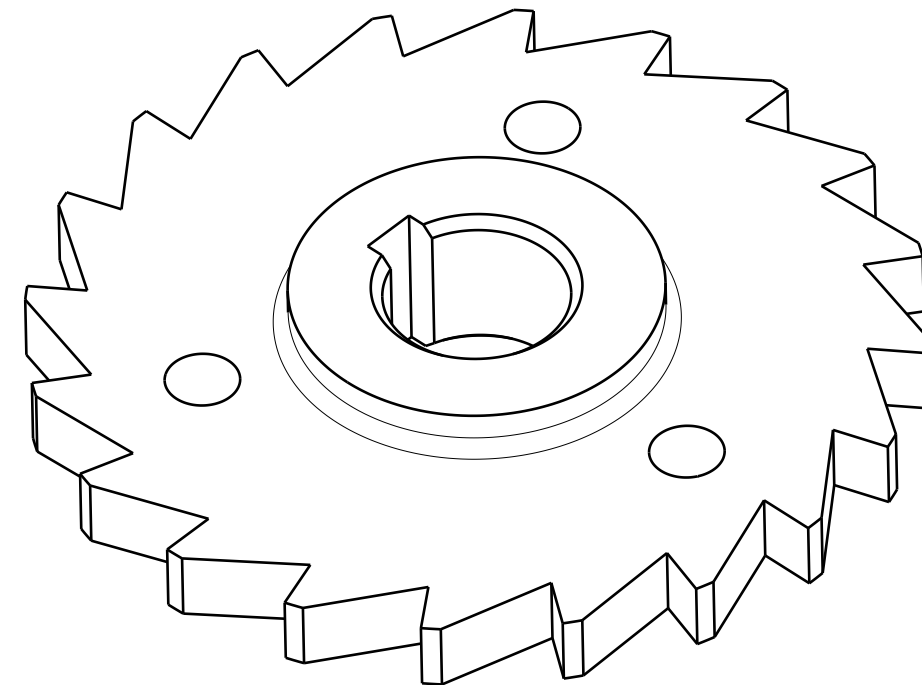
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		EXERCISE NO.: 84	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
			B	—
			A	—
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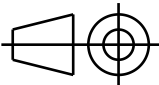
Section view A-A

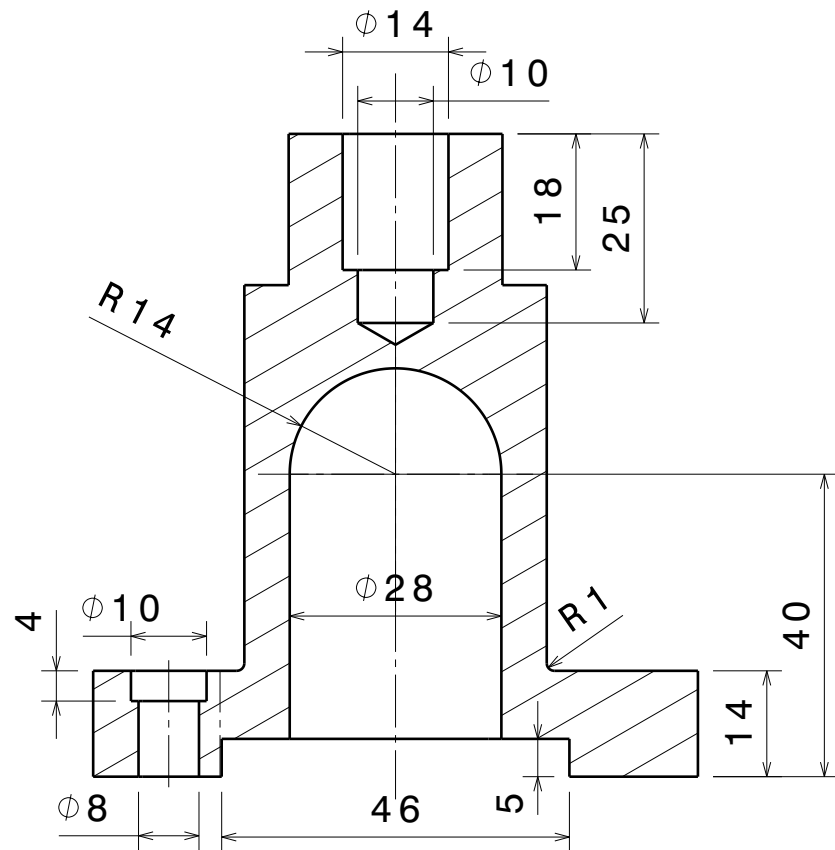


Front view

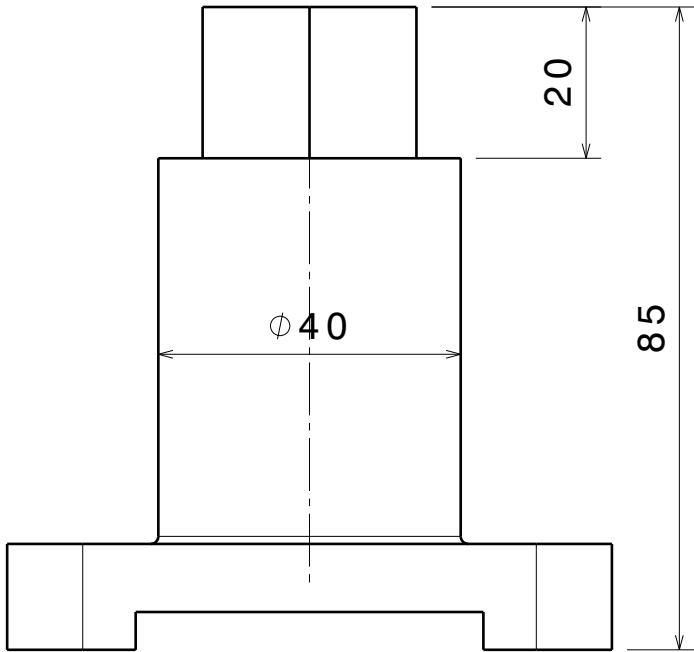


Isometric view

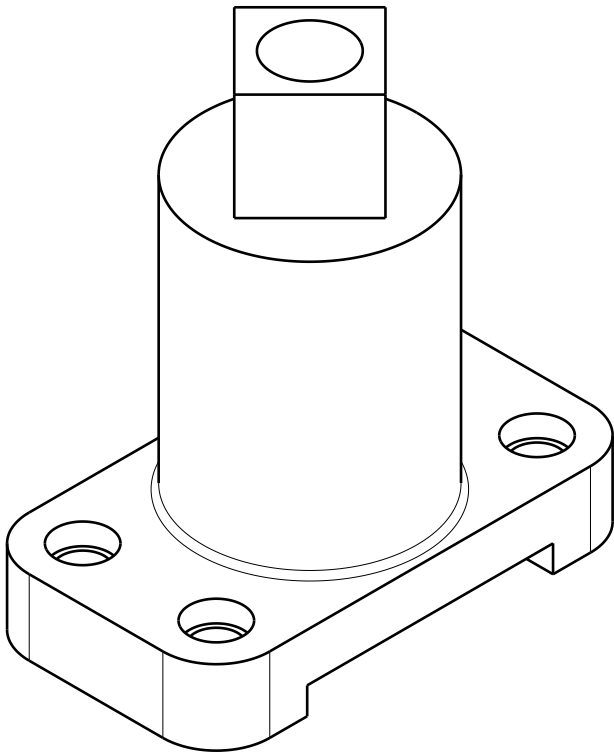
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE		I	—	
CHECKED BY: DATE:				H	—	
				G	—	
SIZE A3			F	—		
			E	—		
SCALE		WEIGHT (kg)	EXERCISE NO.: 85		D	—
					C	—
engineeringcadcamcae2018@gmail.com		SHEET	B	—		
			A	—		
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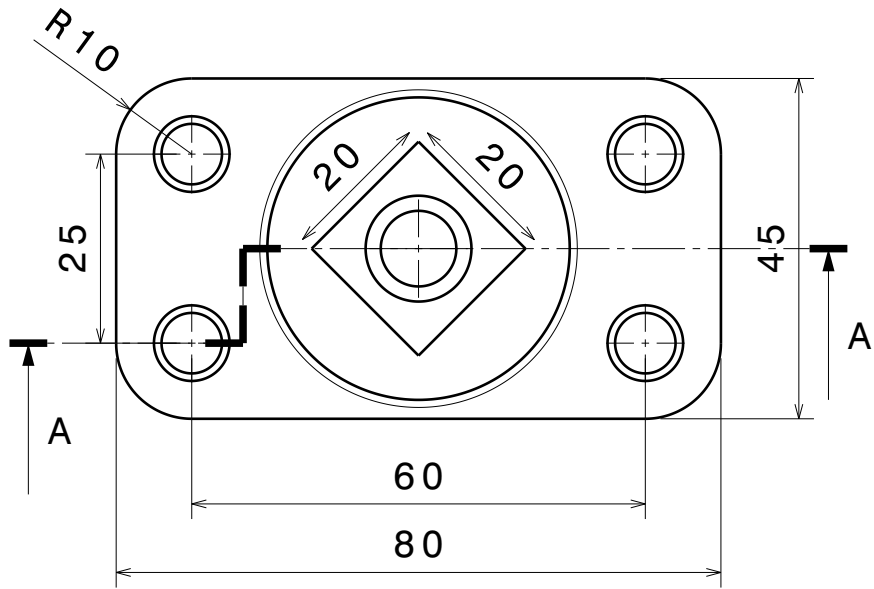
Section view A-A



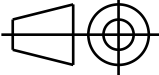
Auxiliary view B

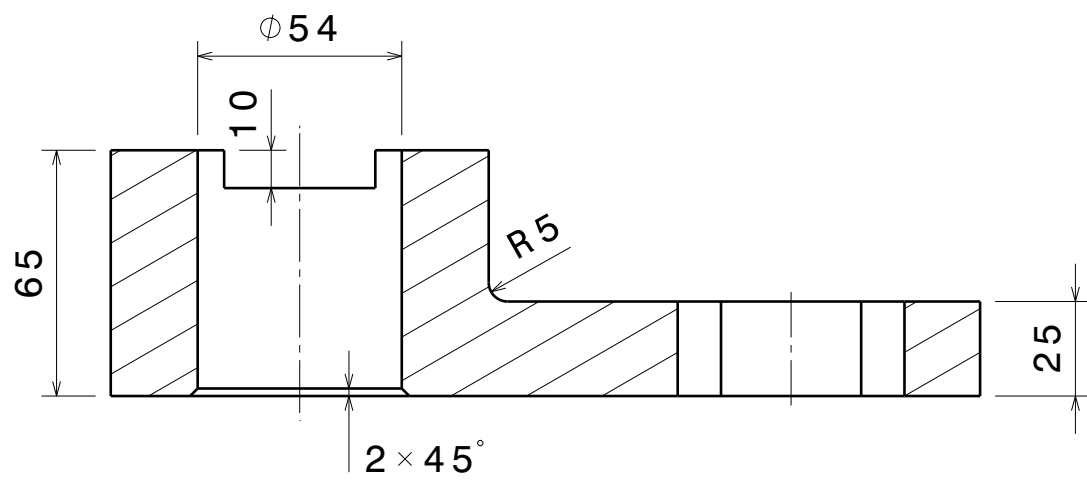


Isometric view

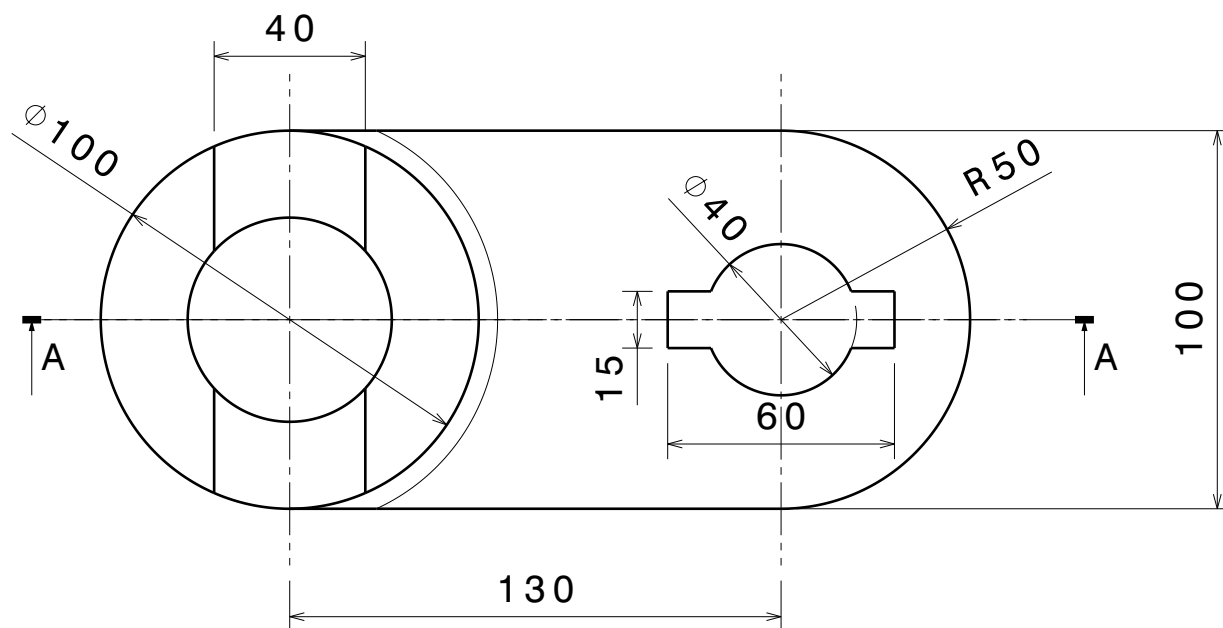


Front view

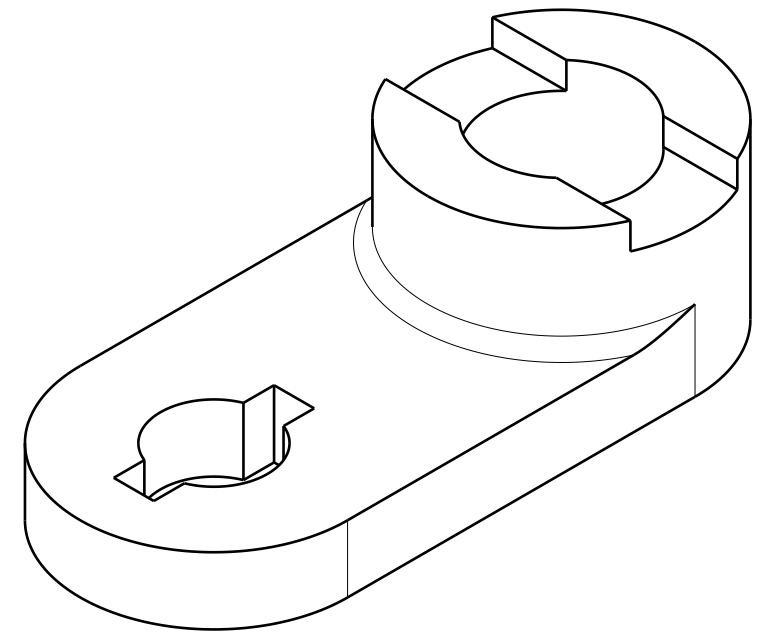
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:		EXERCISE NO.: 86	F	—
SIZE A3			E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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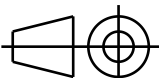
Section view A-A

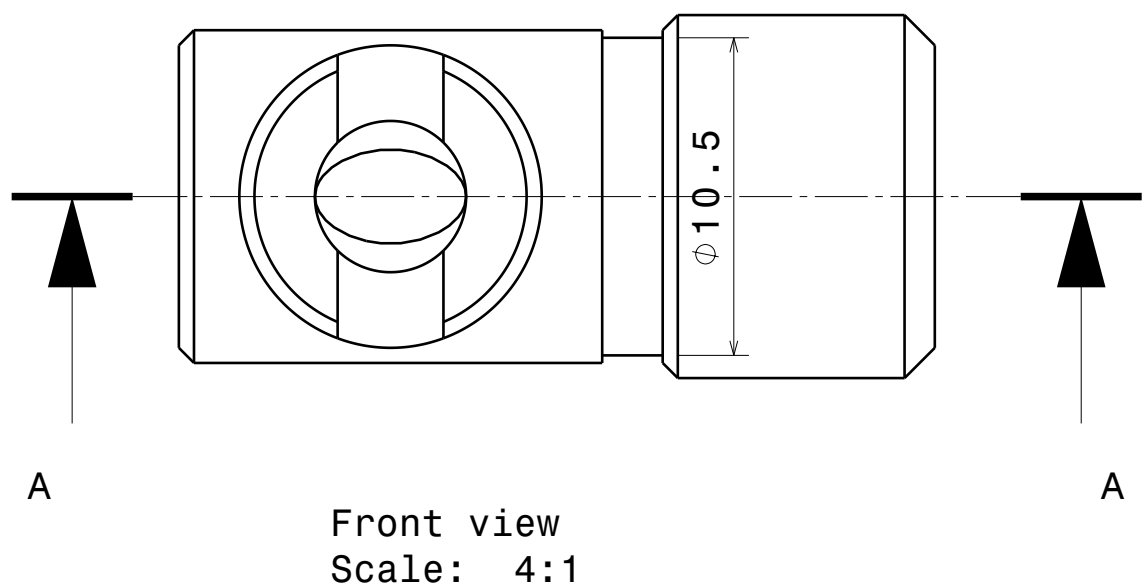
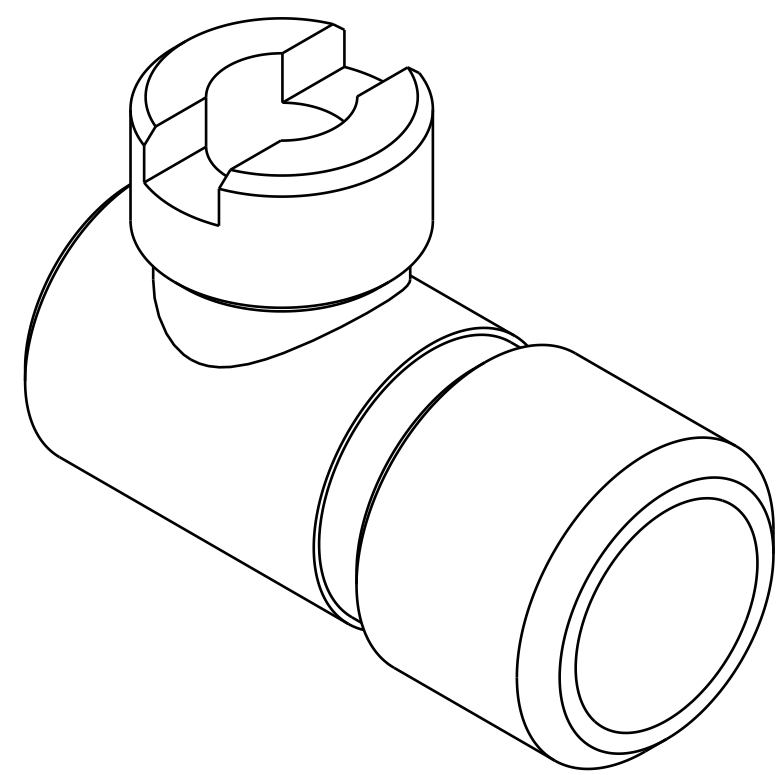
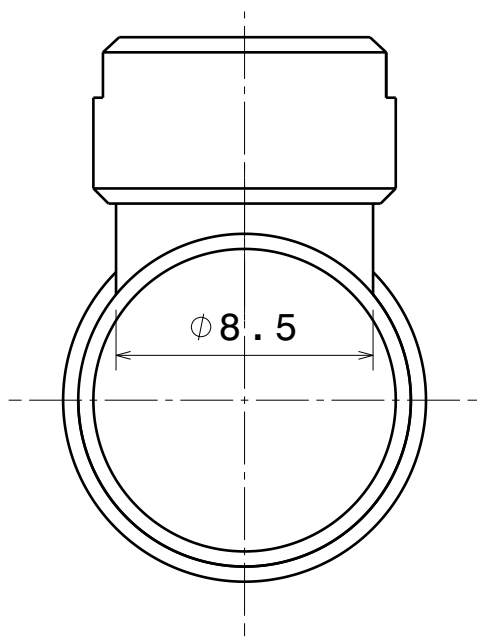
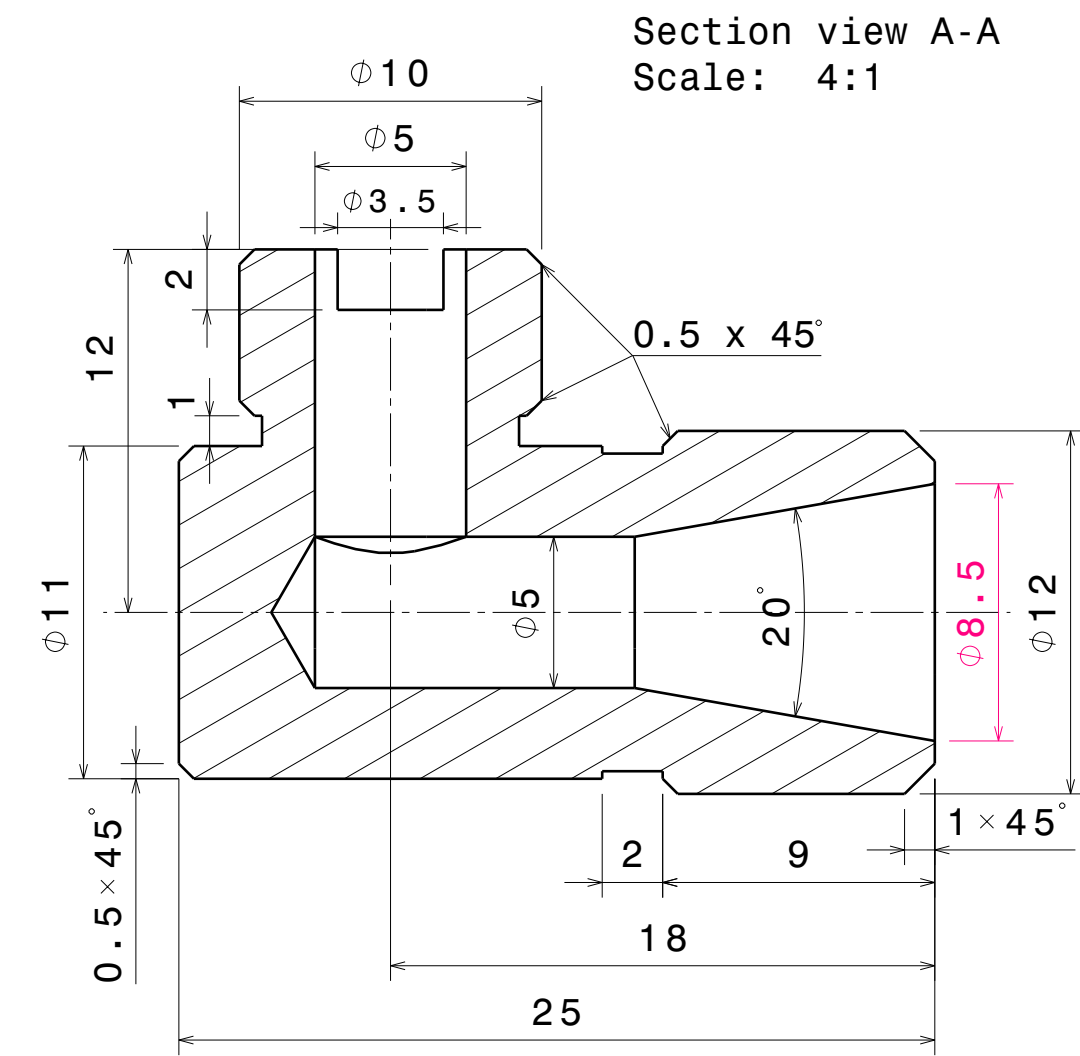


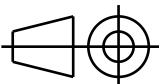
Front view

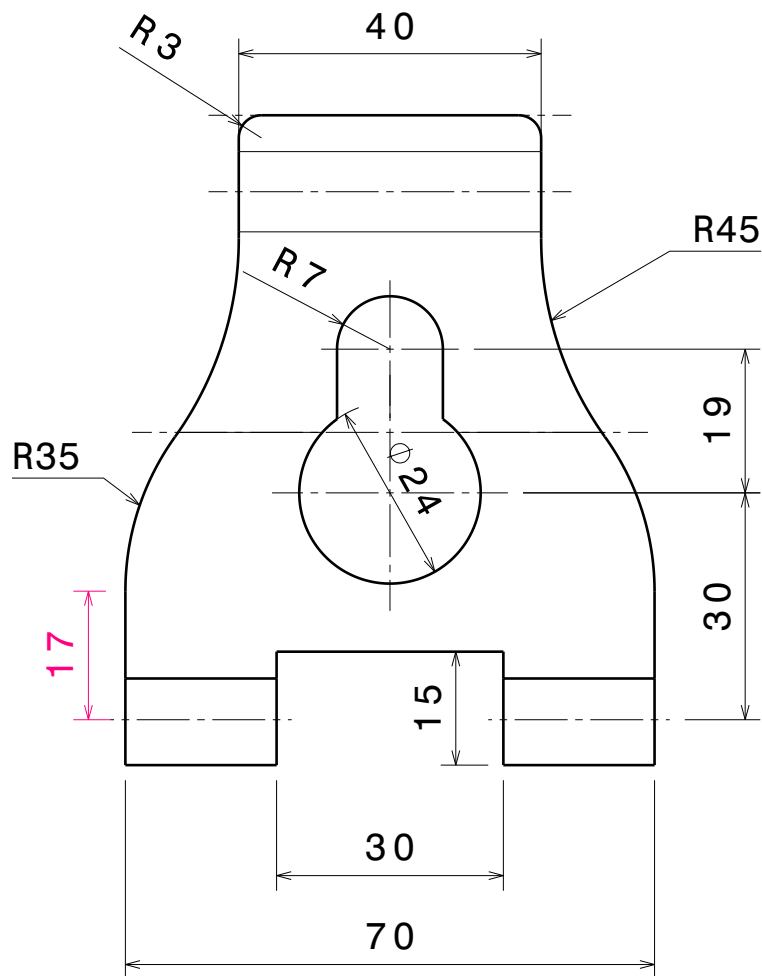


Isometric view

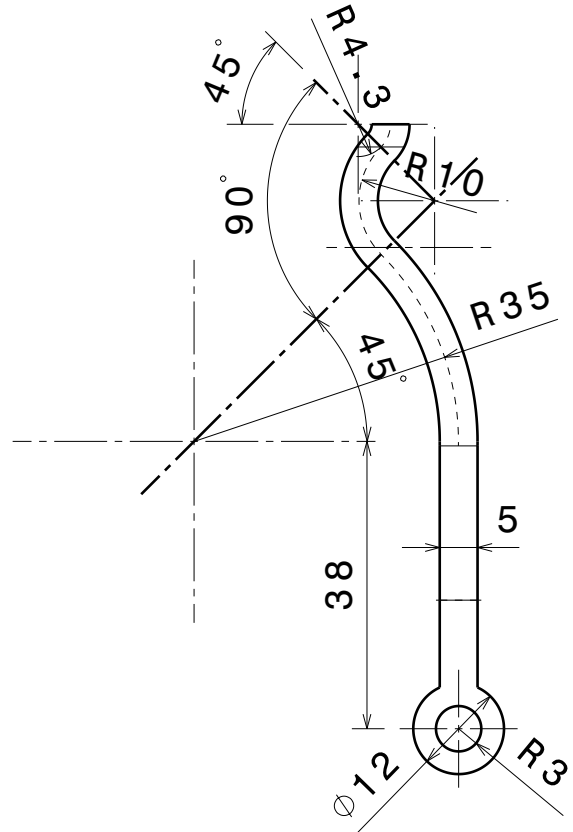
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		EXERCISE NO.: 87	F	—
			E	—
SCALE			D	—
WEIGHT (kg)		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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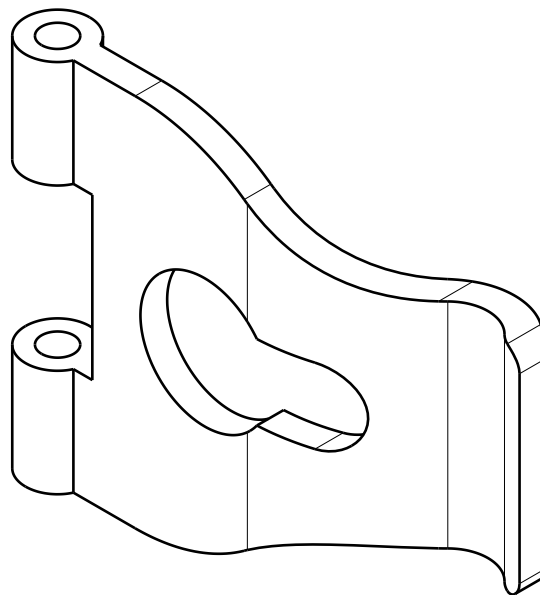
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A3		EXERCISE NO.: 88	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
			B	—
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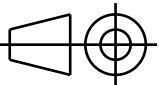
Front view

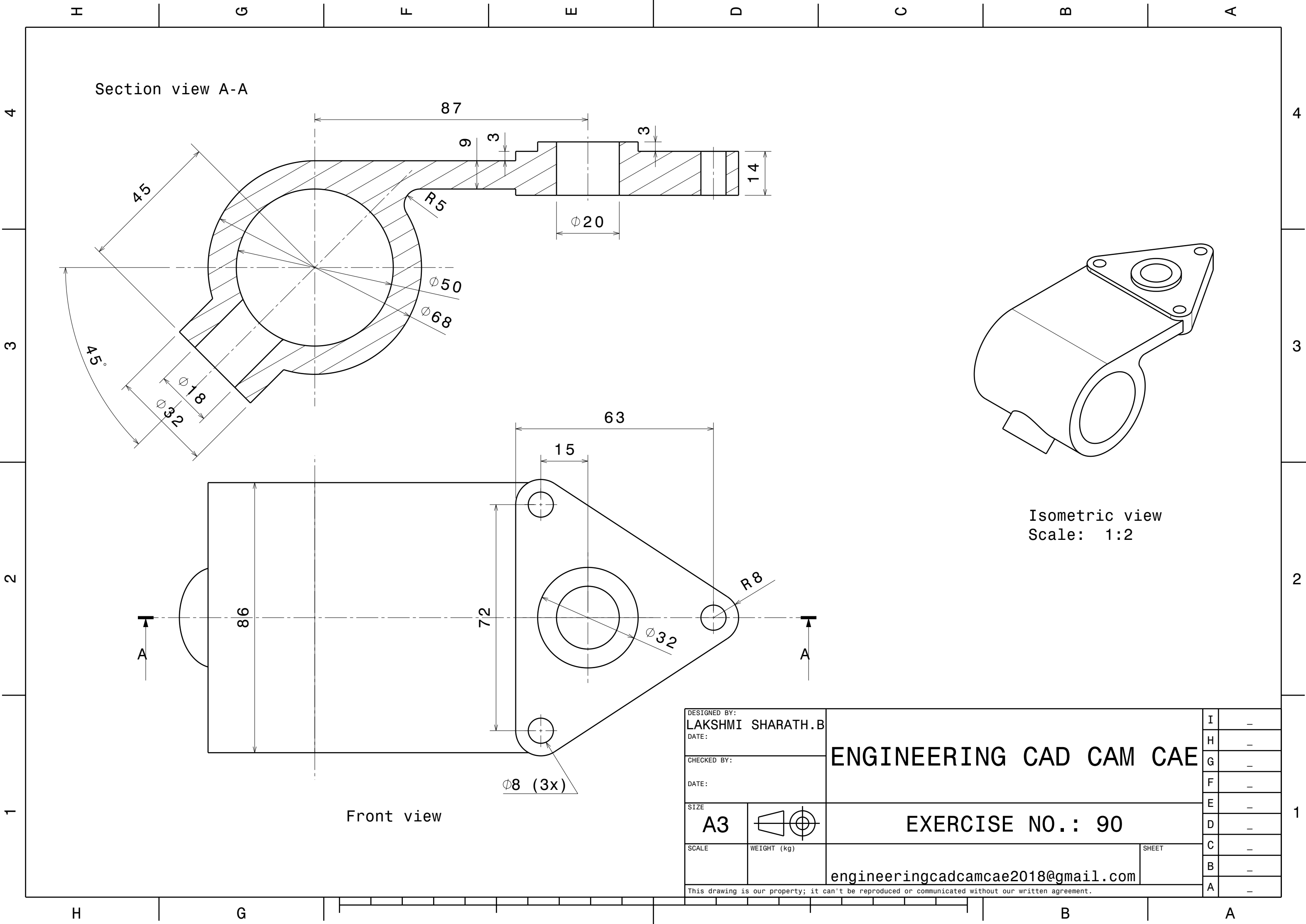


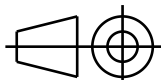
Left View

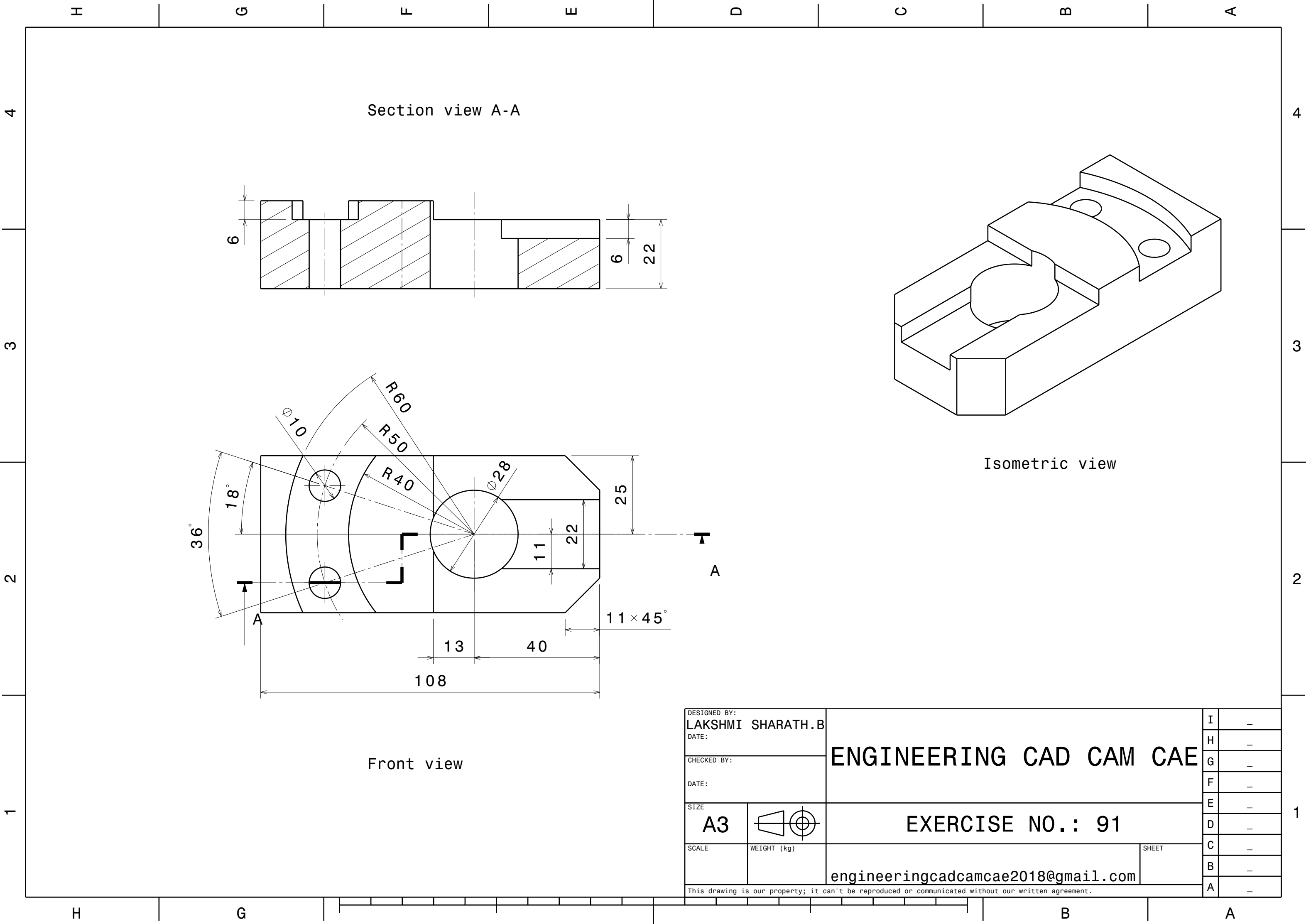


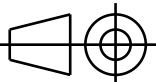
Isometric view

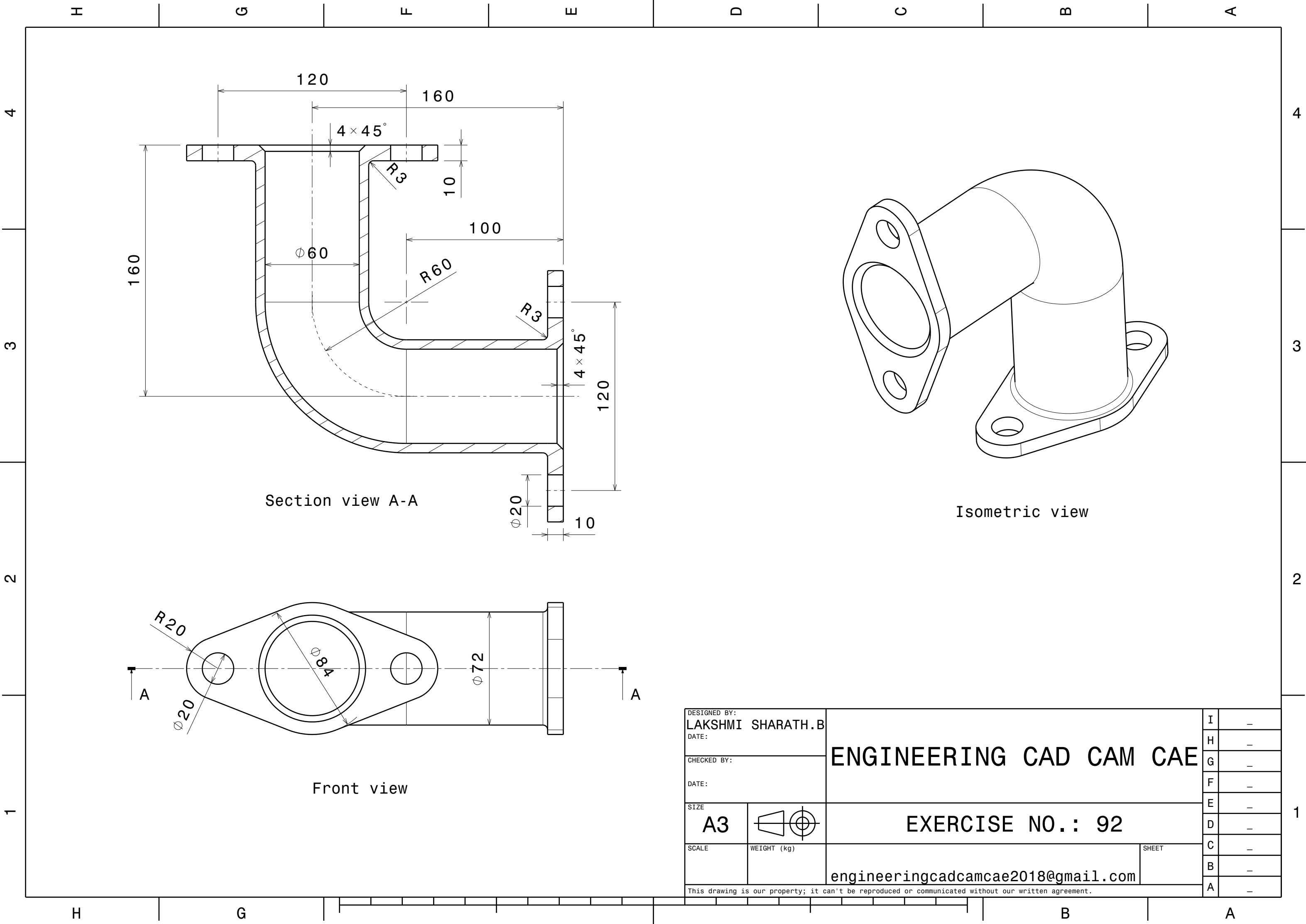
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:		EXERCISE NO.: 89	F	-
SIZE A3			E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
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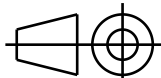


DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:			F	-
SIZE A3		EXERCISE NO.: 90	E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
			A	-
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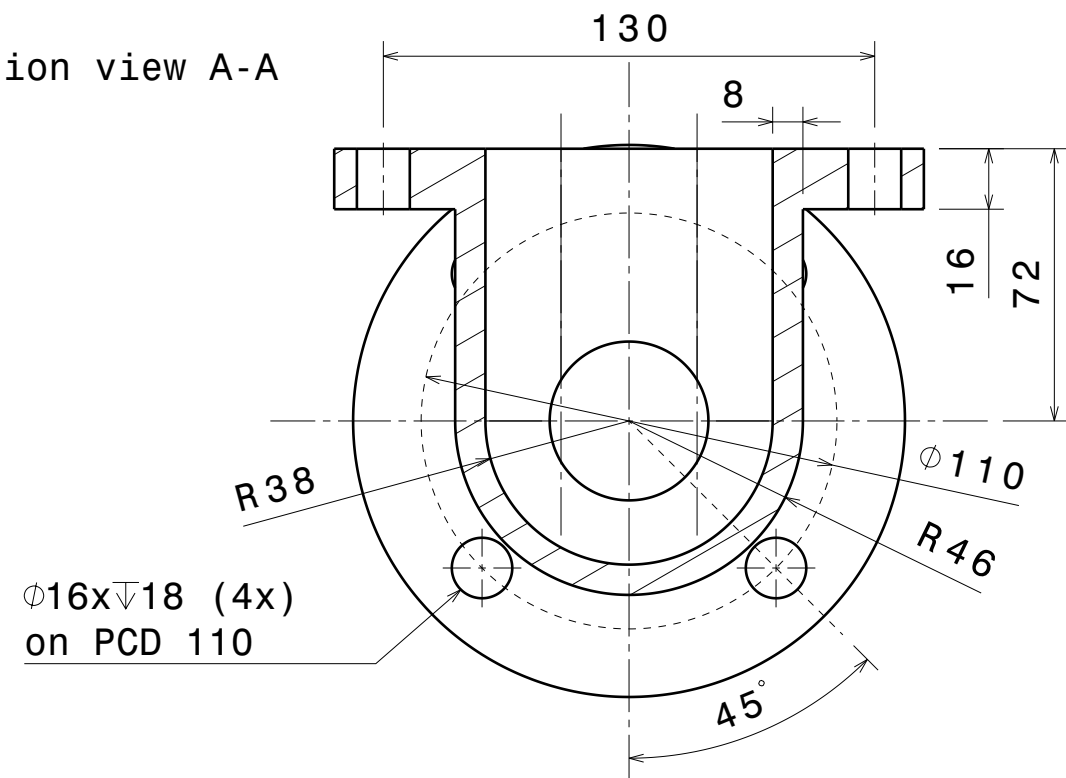


DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:		EXERCISE NO.: 91	F	-
SIZE			E	-
A3			D	-
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com	C	-
			B	-
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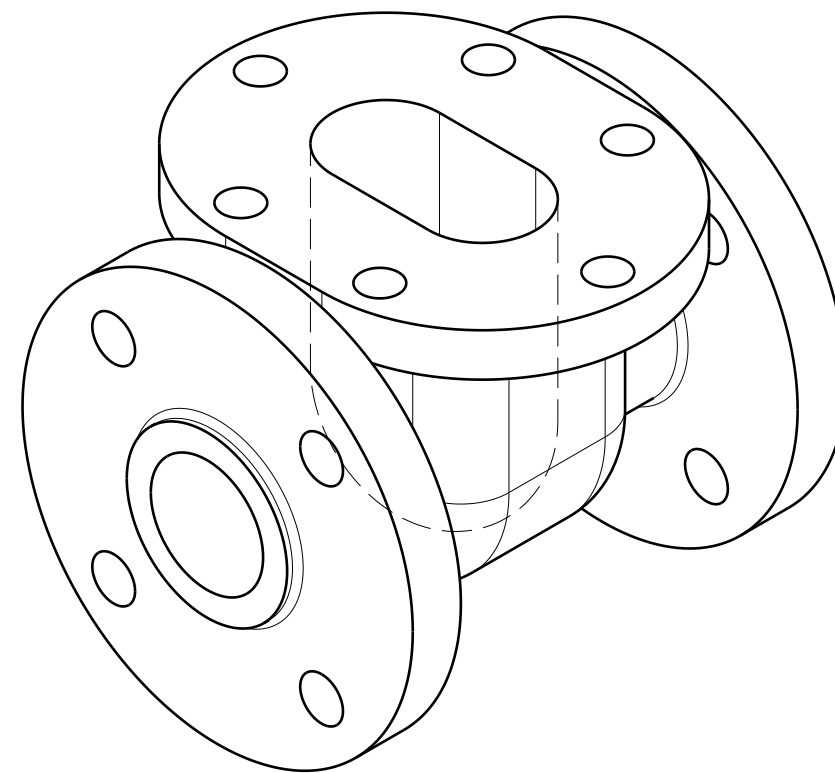
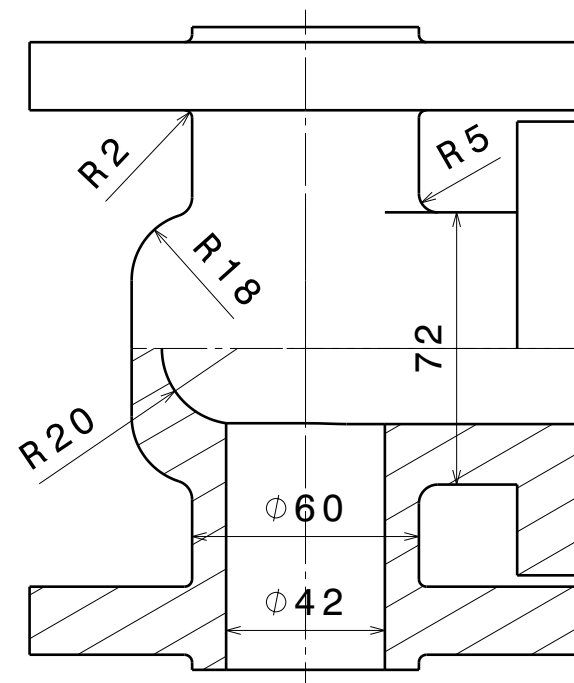


DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:			F	-
SIZE A3		EXERCISE NO.: 92	E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	-

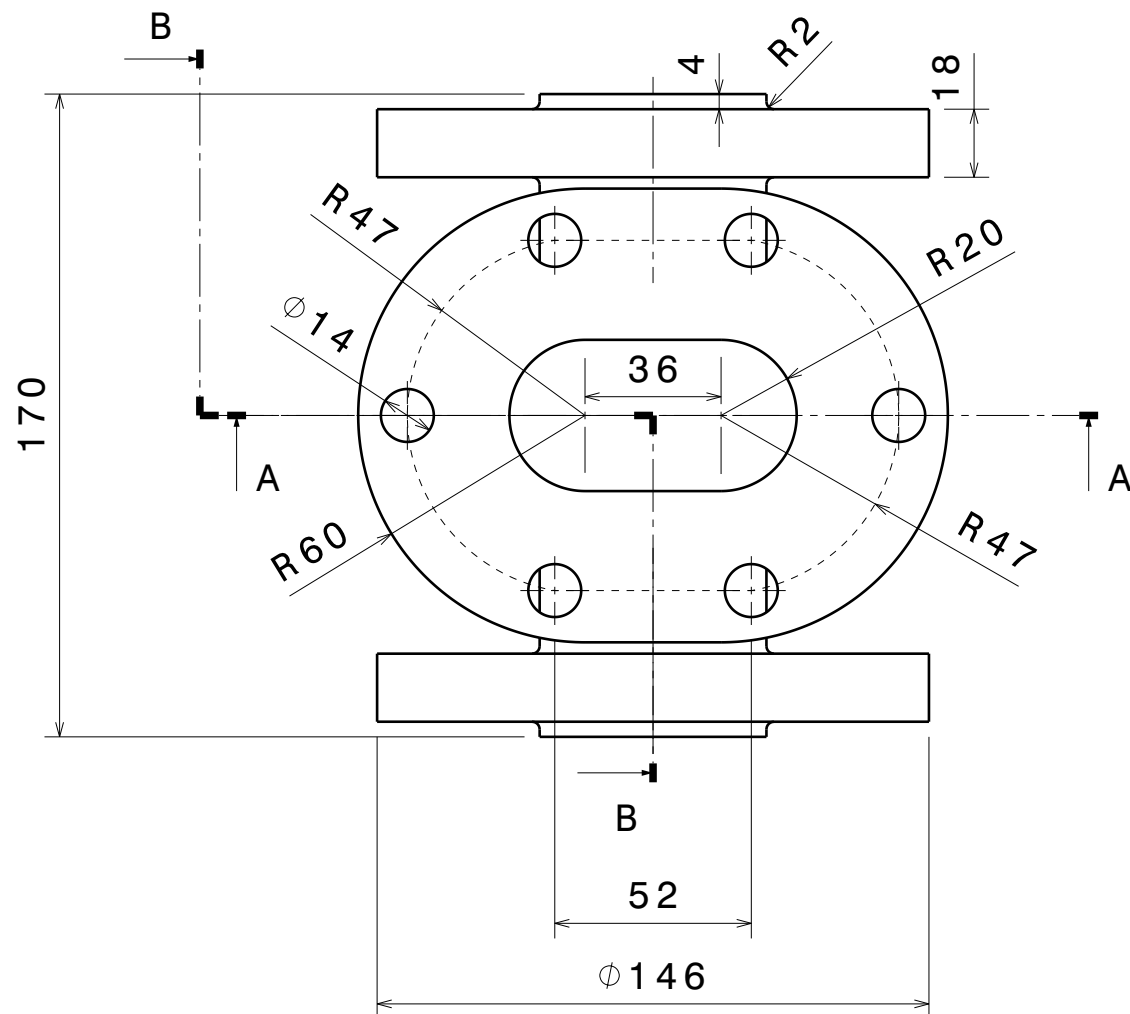
Section view A-A



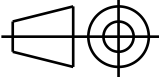
Section view B-B

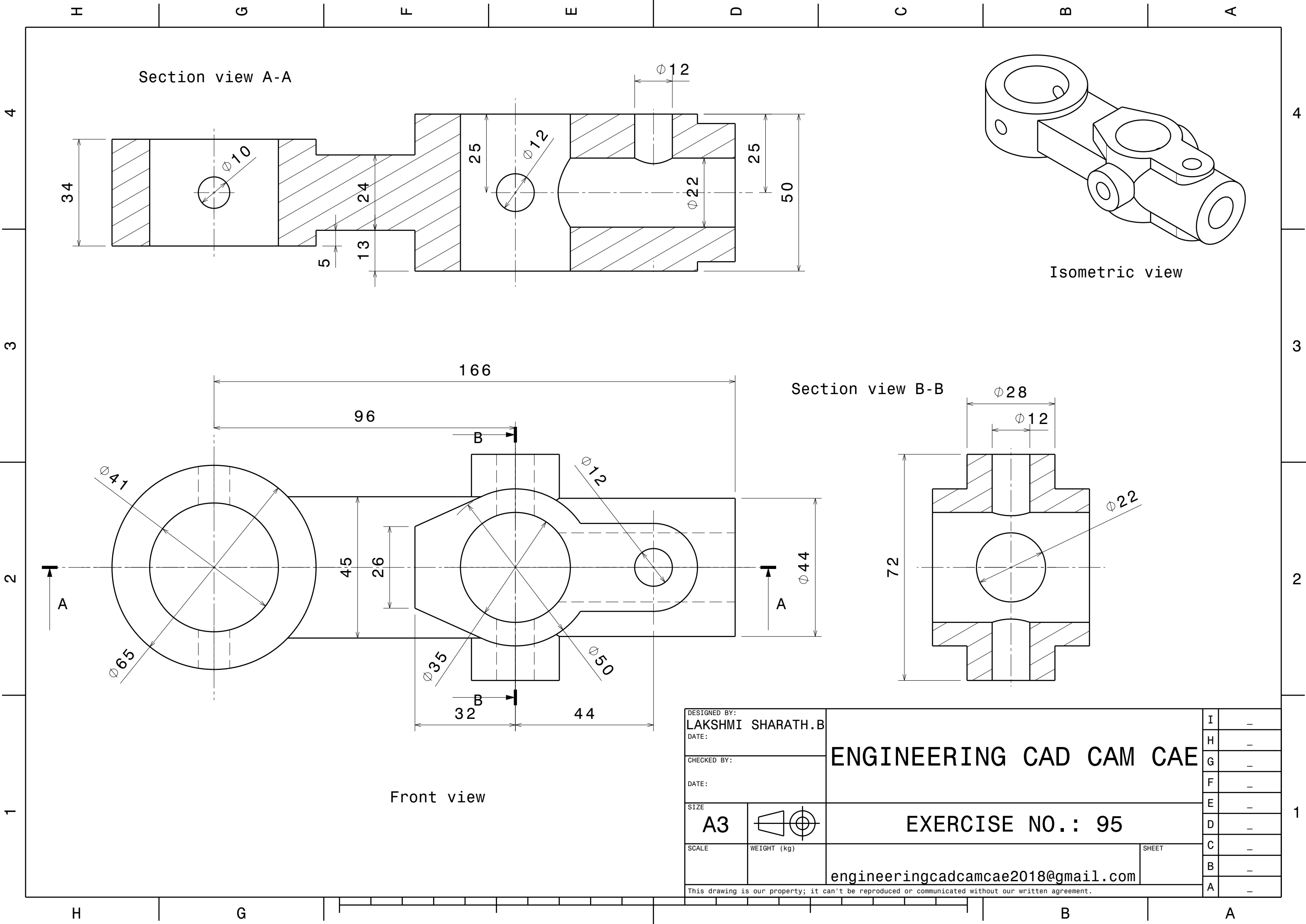


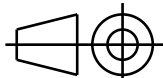
Isometric view



Front view

DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY:				H	—
DATE:				G	—
SIZE A3				F	—
SCALE				E	—
WEIGHT (kg)		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.: 95	F	-
SIZE A3			E	-
SCALE	WEIGHT (kg)		D	-
		engineeringcadcamcae2018@gmail.com	C	-
			B	-
			A	-
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view A-A
2:1

Technical drawing of a mechanical part, view A-A, showing a cross-section. The drawing includes the following dimensions and features:

- Overall width: 33
- Overall height: $\phi 20$
- Left section width: 23
- Top section width: 15
- Top section width (inner): 12
- Two circular features (holes) are shown, each with a diameter of $\phi 3$.
- Two rectangular features (slots) are shown, each with a width of 4 and a depth of 4 (labeled 4x $\phi 4$ and 4x $\phi 3$).
- A central vertical section is shown with a width of 15.

Technical drawing of a mechanical part, showing the front view. The drawing includes dimensions and section lines.

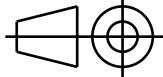
Dimensions:

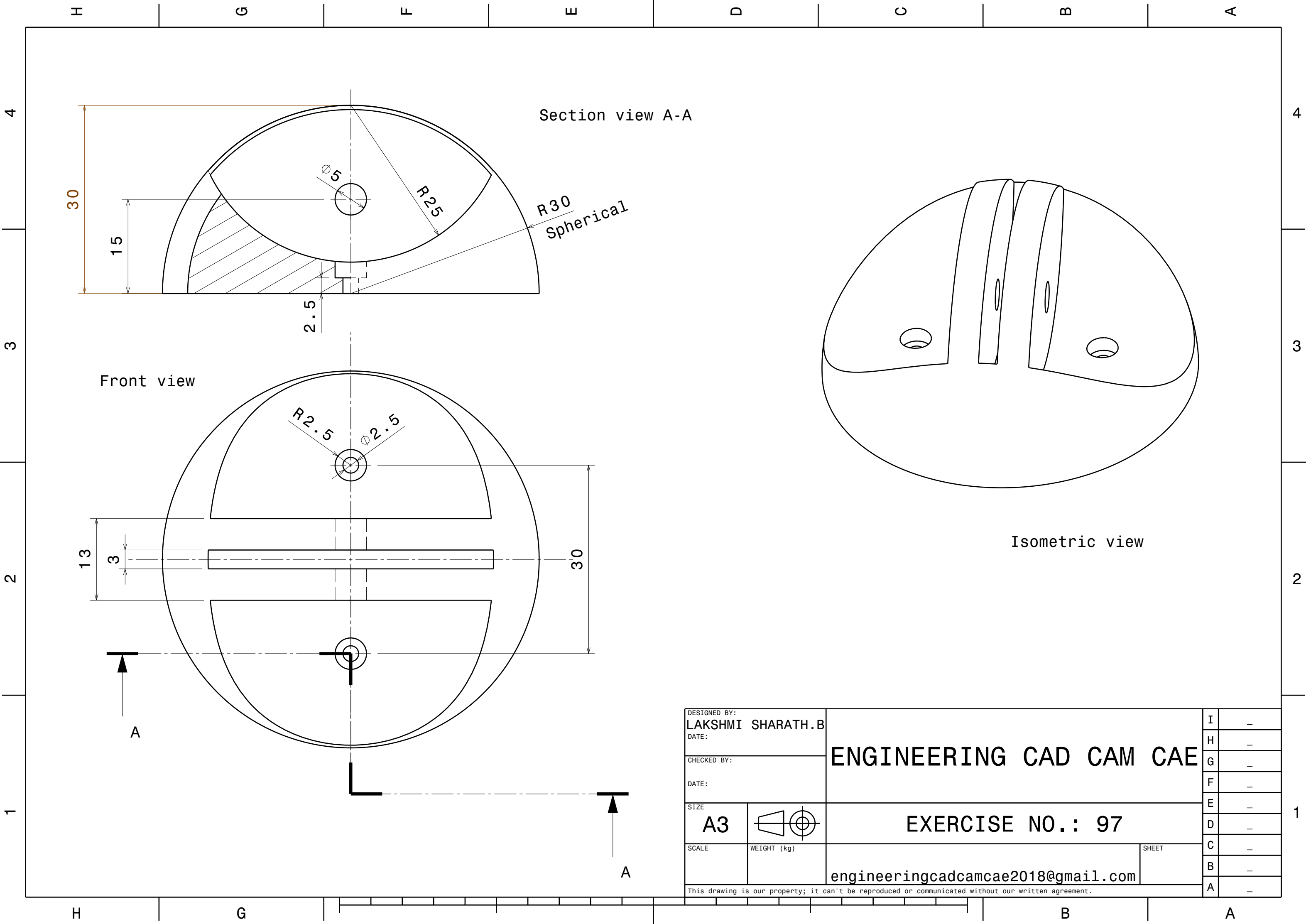
- Overall length: 55
- Overall diameter: $\phi 24$
- Step diameter: $\phi 21$
- Step diameter: $\phi 23$
- Step diameter: $\phi 22$
- Chamfer: $1 \times 45^\circ$
- Section line A-A: 10, 8, 12, 15
- Section line B-B: 11.5, 3
- Other dimensions: 8, 6, 10, 6, 4

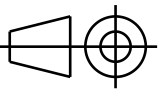
Section Lines:

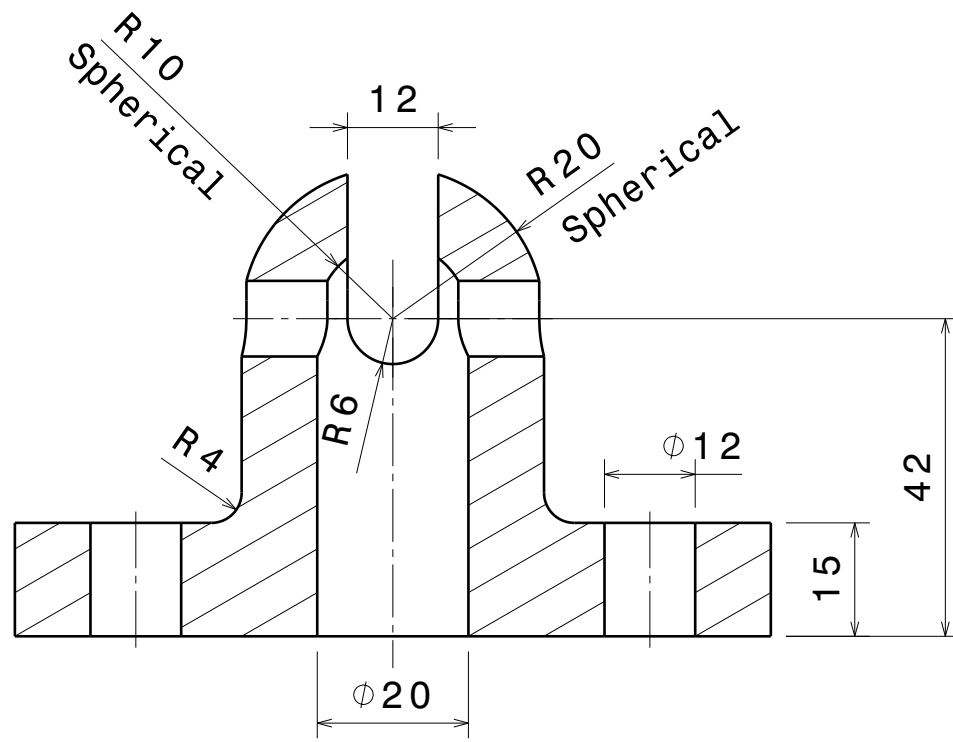
- A-A: 10, 8, 12, 15
- B-B: 11.5, 3

Front view
Scale: 2:1

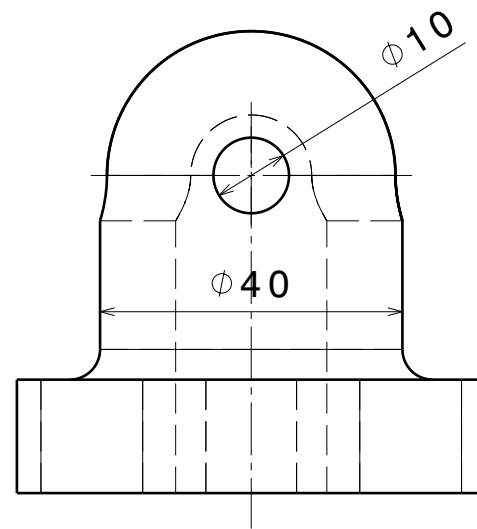
DESIGNED BY: LAKSHMI SHARATH.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		EXERCISE NO.: 96	F	—
SCALE	WEIGHT (kg)		E	—
engineeringcadcamcae2018@gmail.com			D	—
			C	—
		B	—	
This drawing is our property; it can't be reproduced or communicated without our written agreement.		A	—	



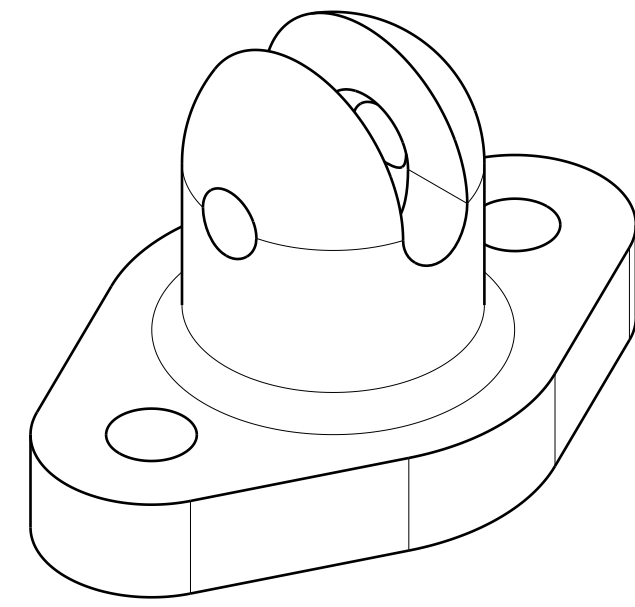
DESIGNED BY: LAKSHMI SHARATH.B		ENGINEERING CAD CAM CAE	I	-
DATE:			H	-
CHECKED BY:			G	-
DATE:			F	-
SIZE A3		EXERCISE NO.: 97	E	-
SCALE	WEIGHT (kg)		D	-
engineeringcadcamcae2018@gmail.com			C	-
			B	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.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



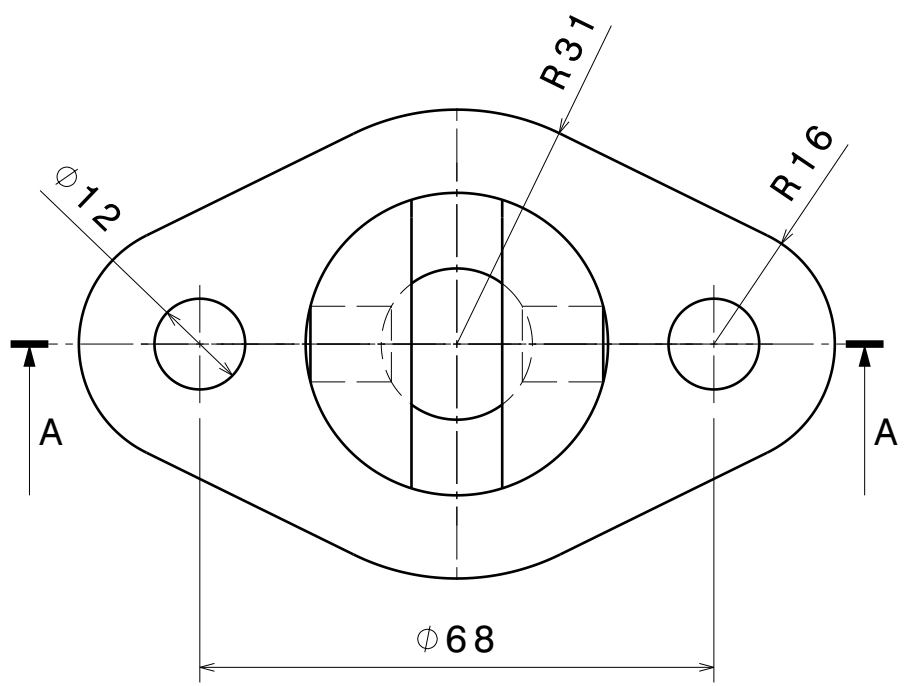
Section view A-A



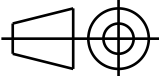
Side View

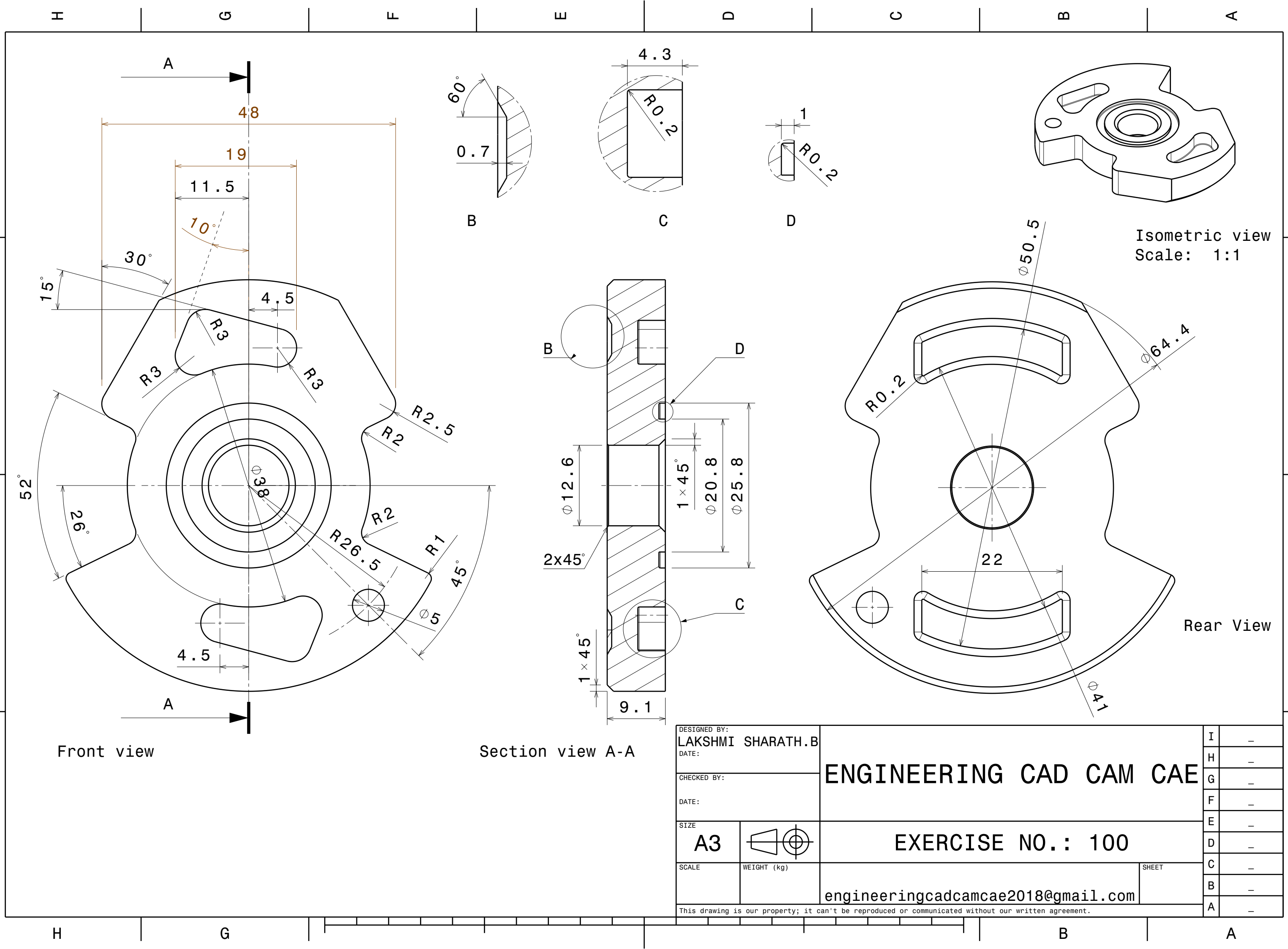


Isometric view



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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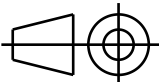
DESIGNED BY:
LAKSHMI SHARATH.B
DATE:

CHECKED BY:

DATE:

SIZE

A3



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

EXERCISE NO.: 100

engineeringcadcamcae2018@gmail.com

SHEET

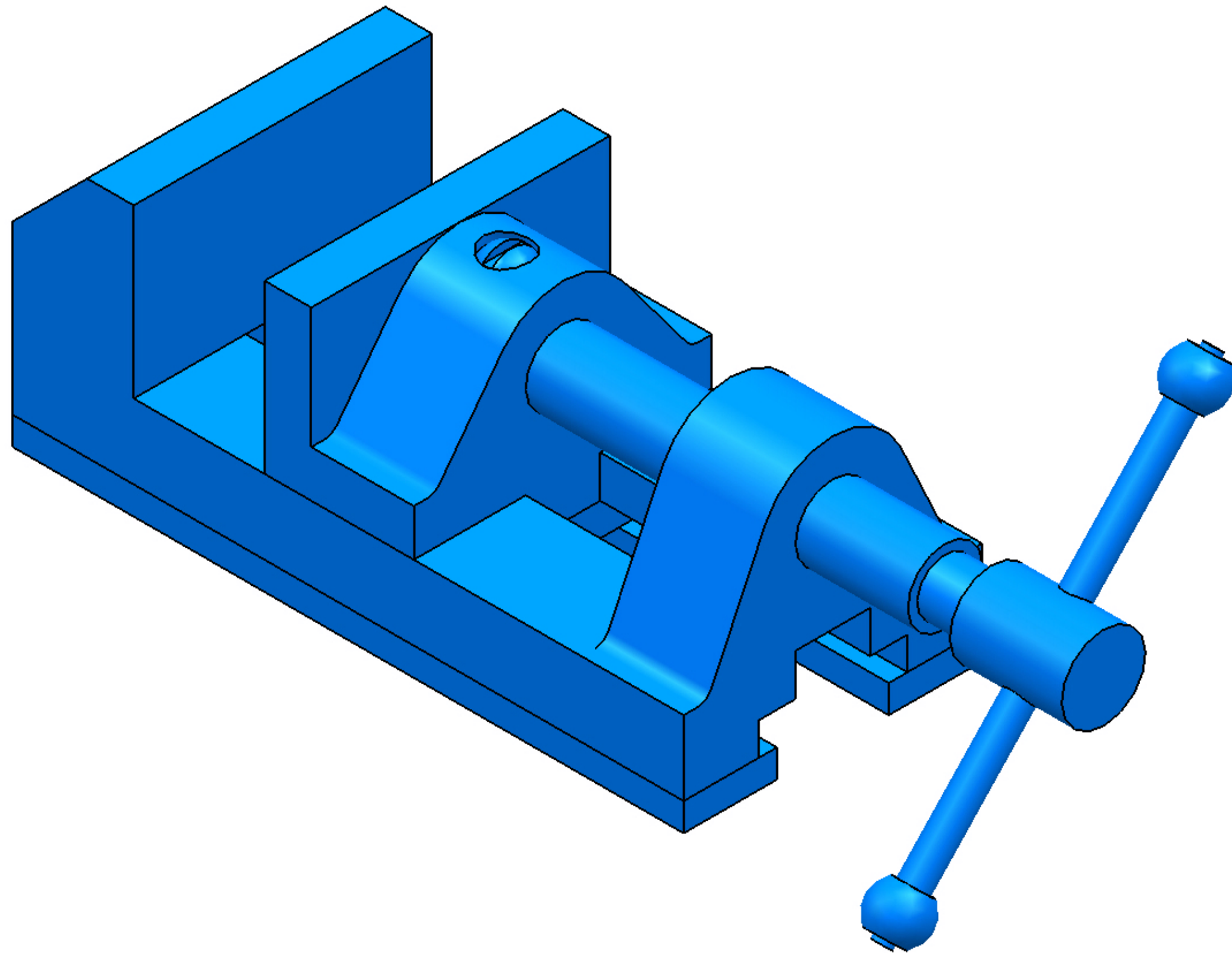
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

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ENGINEERING CAD CAM CAE

(A Professional Training Institute)

Assembly Practice Drawings



THE BENCH VICE ASSEMBLY

ENGINEERING CAD CAM CAE

Drawn By

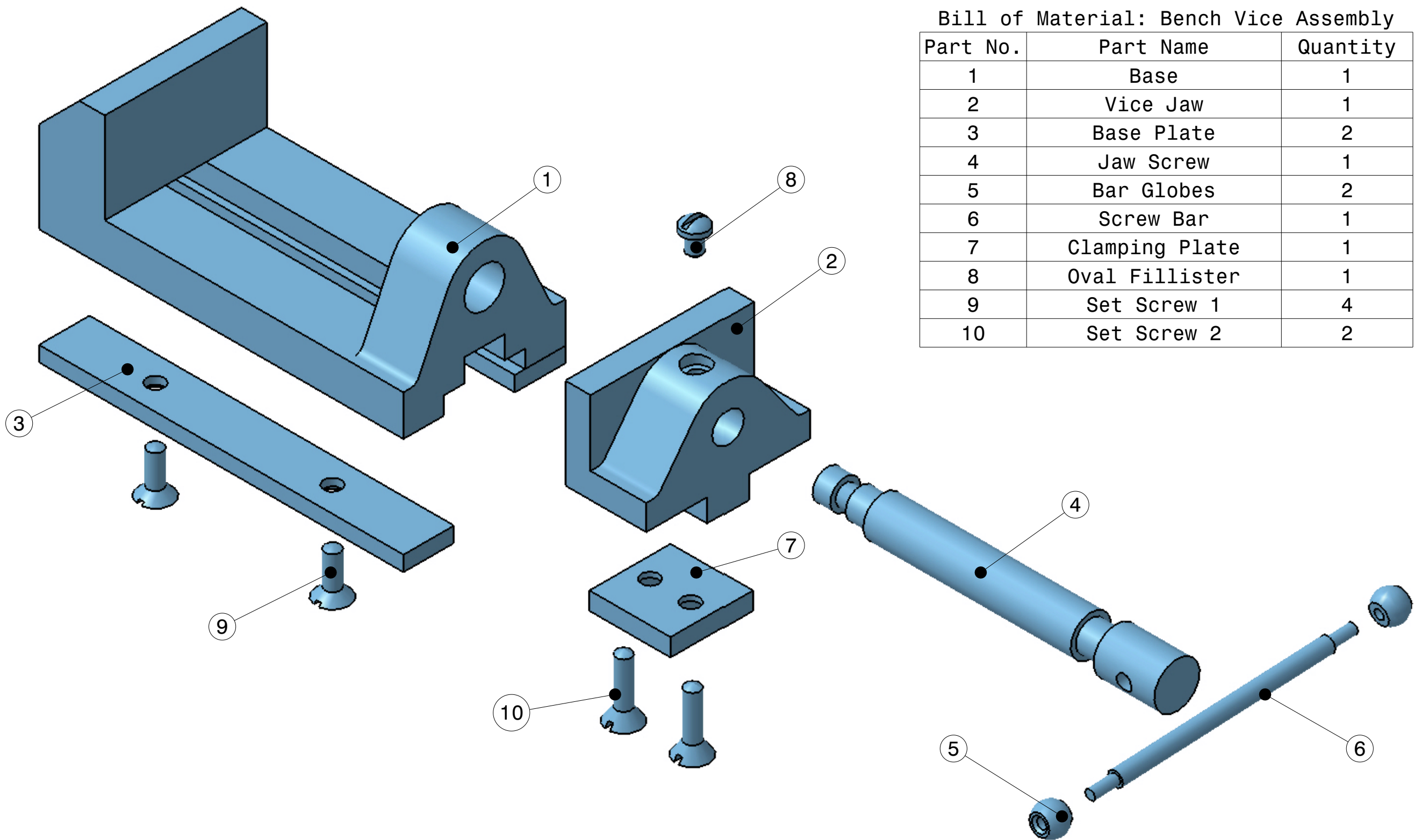
Lakshmi Sharath.B

engineeringcadcamcae2018@gmail.com

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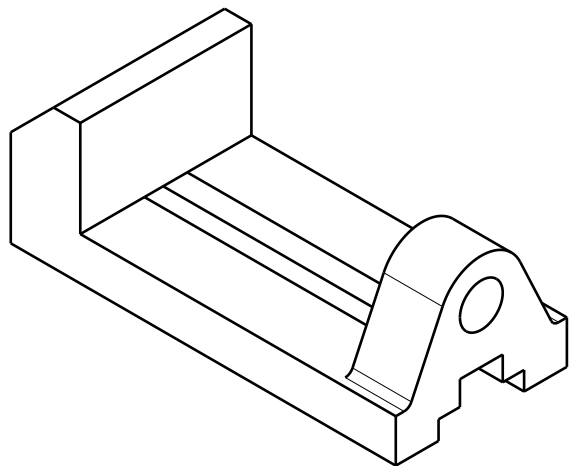
Bill of Material: Bench Vice Assembly

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

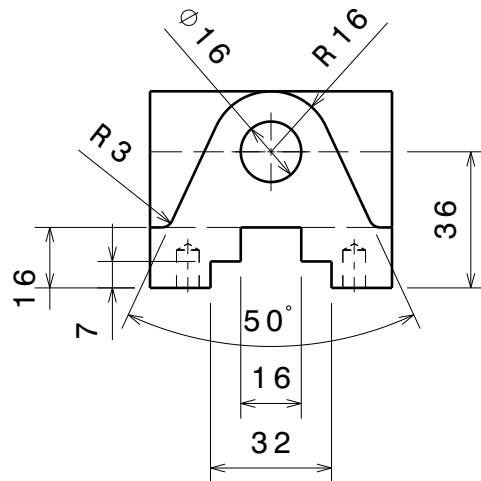


Exploded View

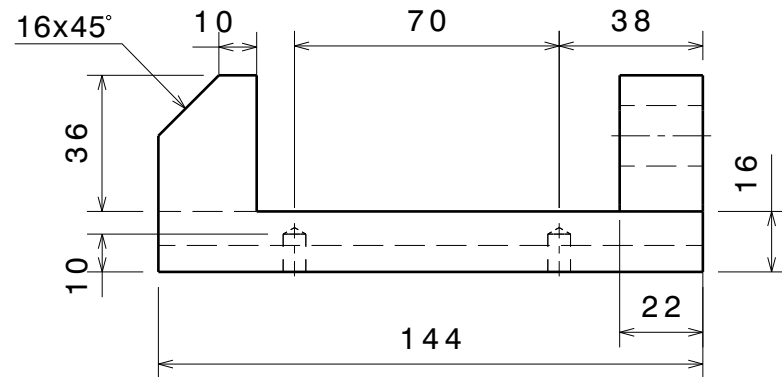
DESIGNED BY: Lakshmi Sharath.B		Assembly Exercise 01- Bench Vice Assembly	I	—	
DATE:			H	—	
CHECKED BY:			G	—	
DATE:			F	—	
SIZE		ENGINEERING CAD CAM CAE	E	—	
A3			D	—	
SCALE			C	—	
WEIGHT (kg)			B	—	
		engineeringcadcamcae2018@gmail.com	SHEET	A	—
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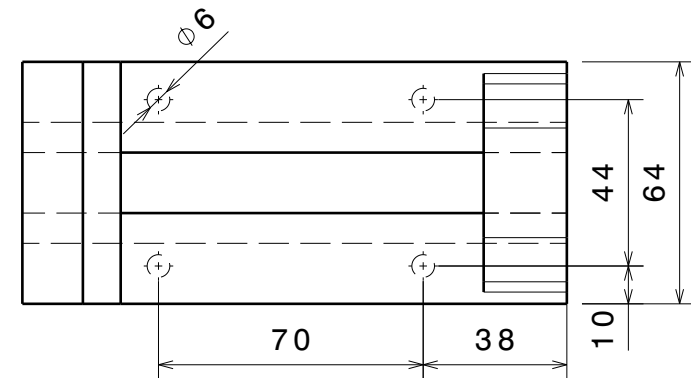
Isometric view



Right view



Front view



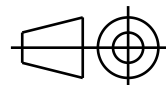
Top view

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

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SHEET

1 / 1

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

D

C

B

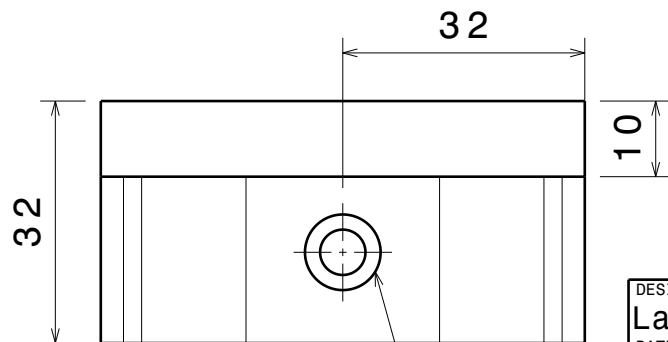
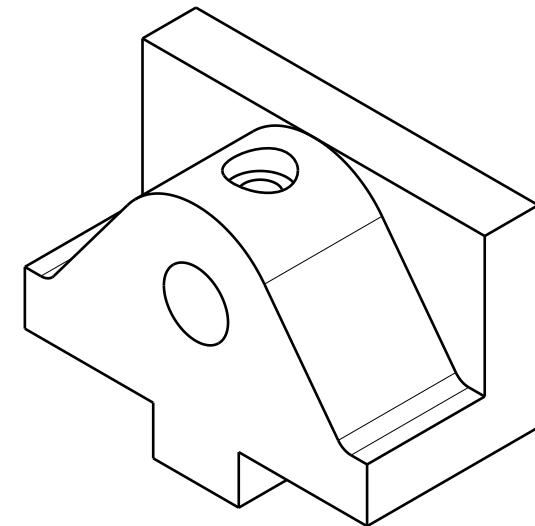
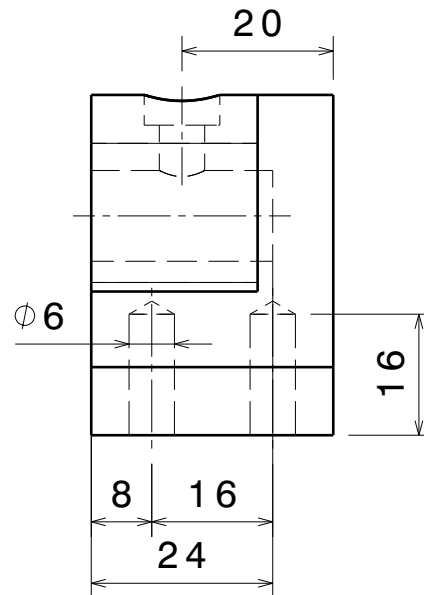
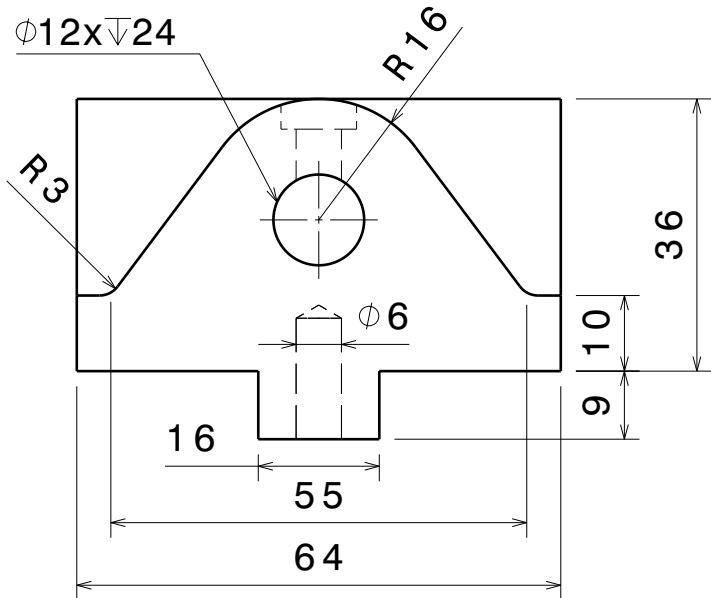
A

4

3

2

1



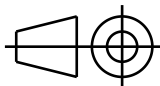
Ø10 C'BORE -
4 Deep, Ø6
Through Hole

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

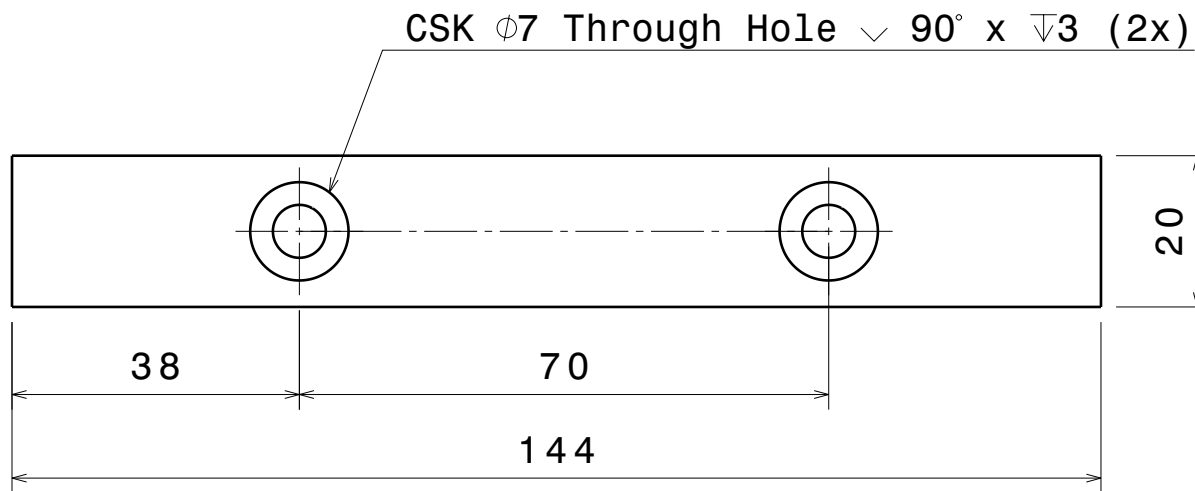
engineeringcadcamcae2018@gmail.com

SHEET

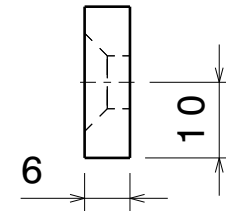
1 / 1

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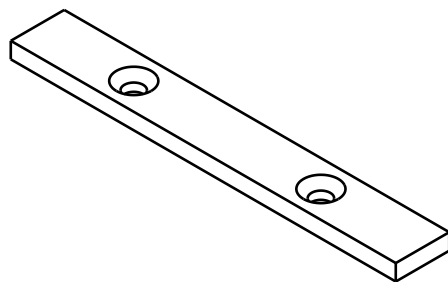
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



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**

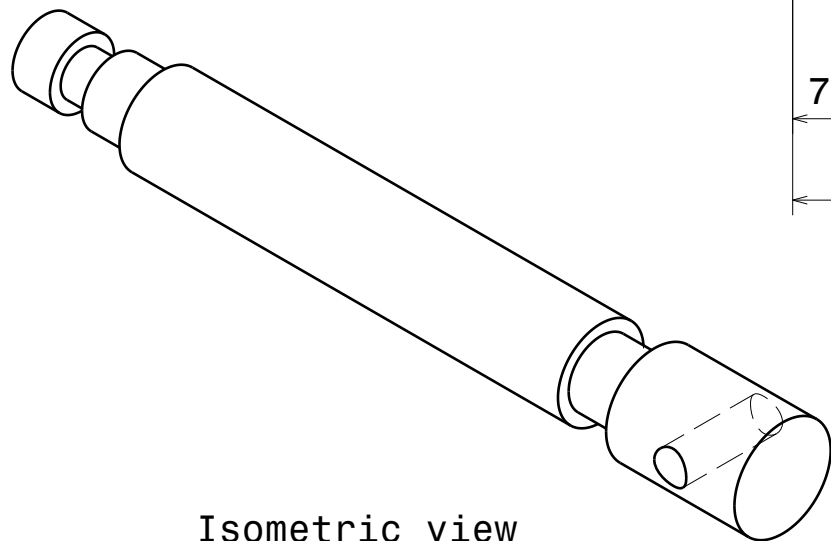
ENGINEERING CAD CAM CAE

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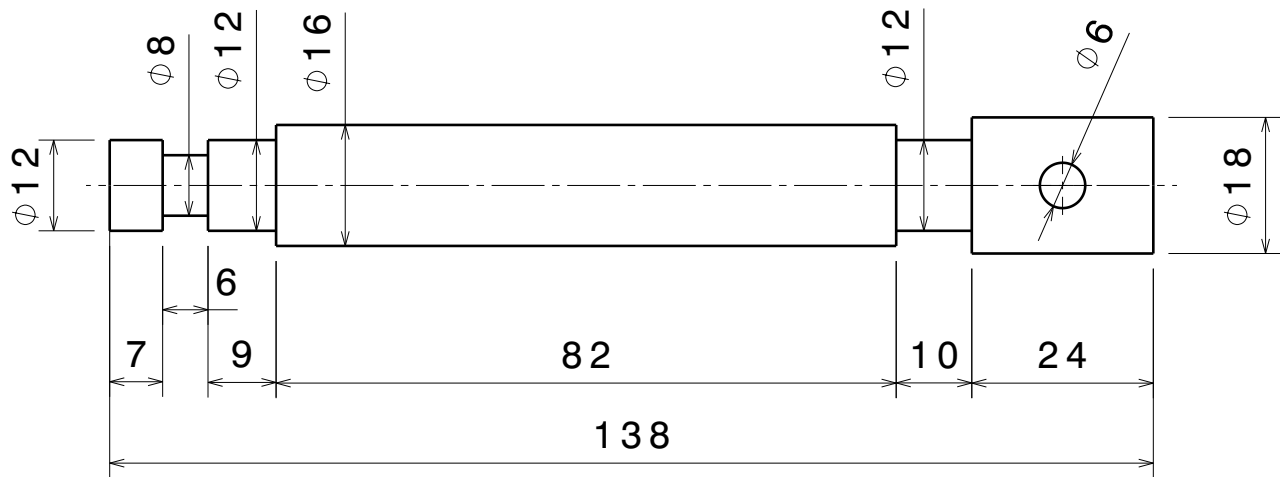
SHEET
1 / 1

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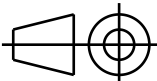
I	—
H	—
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F	—
E	—
D	—
C	—
B	—
A	—

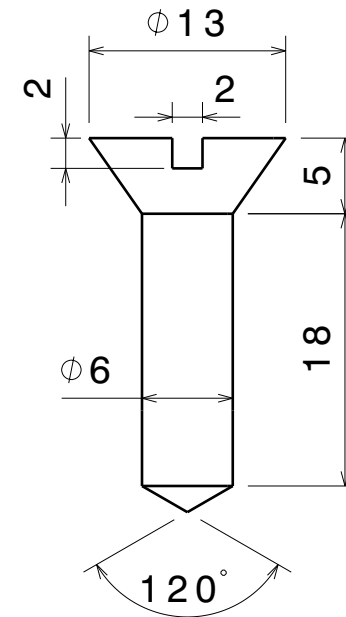
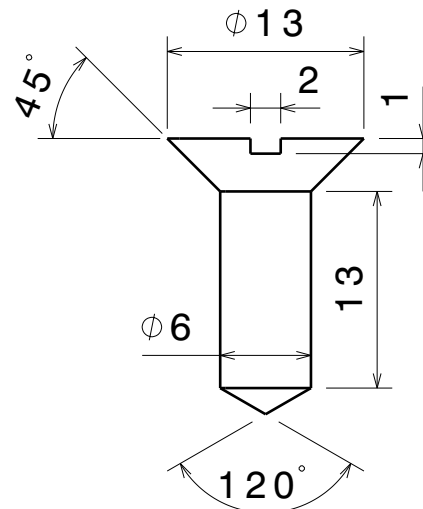
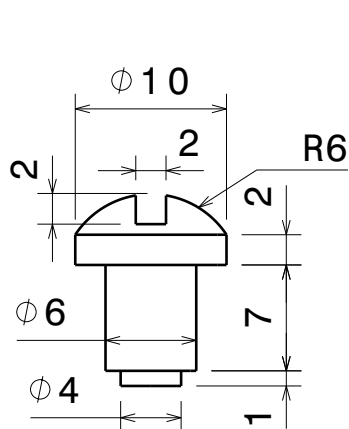
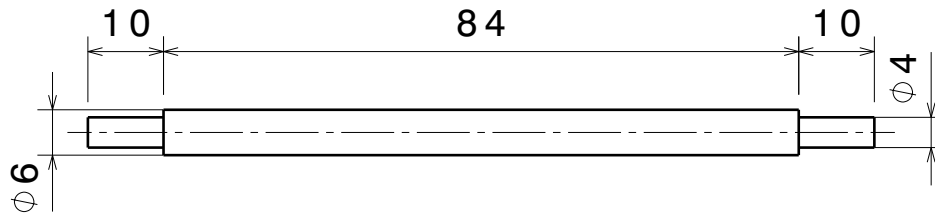
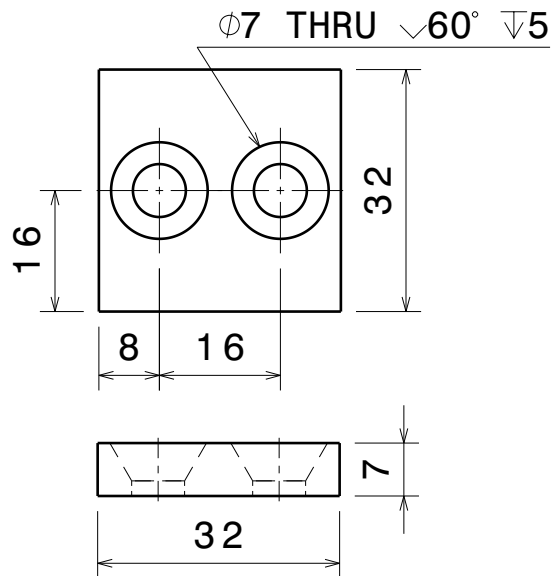
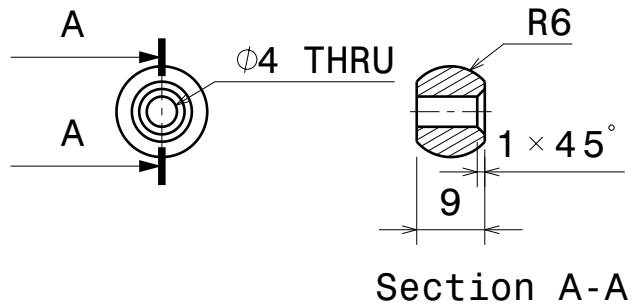


Isometric view



Front view

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

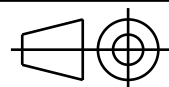


DESIGNED BY:
Lakshmi Sharath.B

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

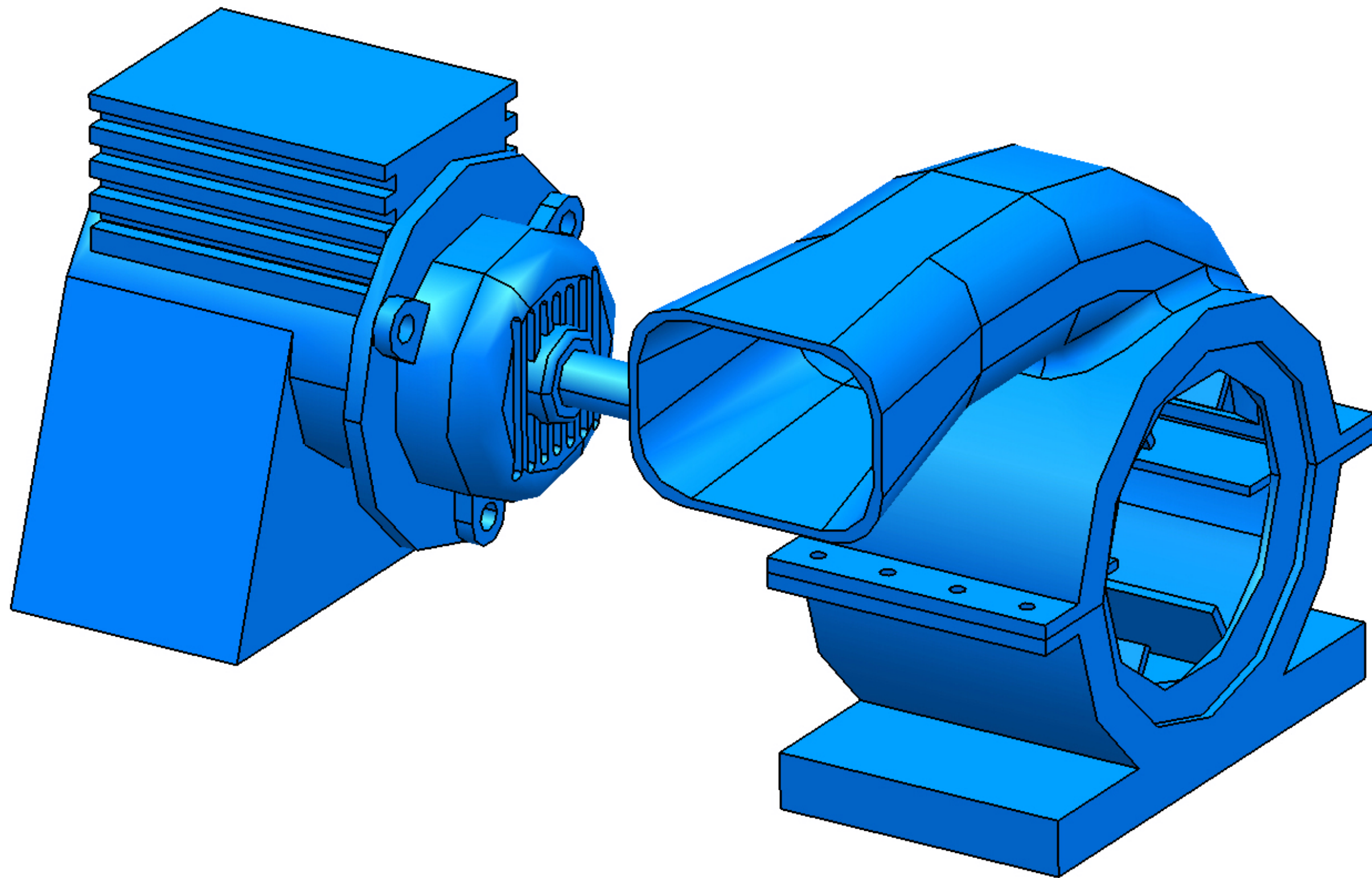
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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



THE MOTOR BLOWER ASSEMBLY

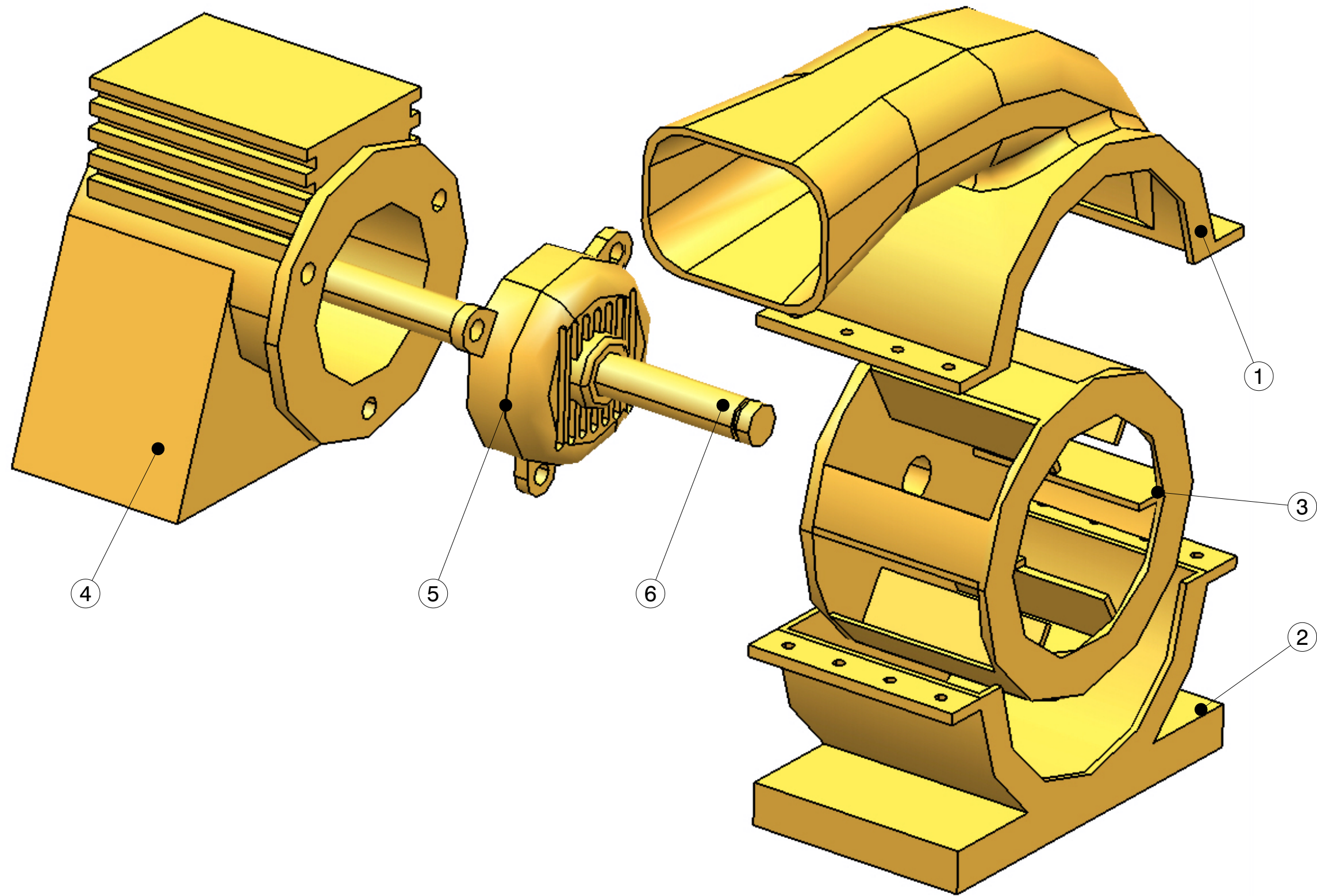
ENGINEERING CAD CAM CAE

Drawn By

Lakshmi Sharath.B

engineeringcadcamcae2018@gmail.com

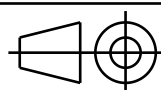
This drawing is our property; it can't be reproduced or communicated without our written agreement.

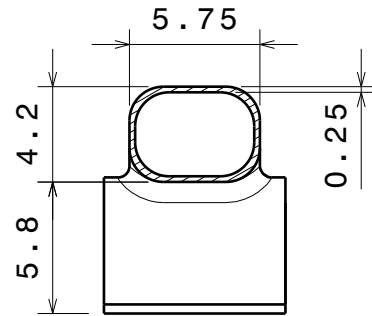
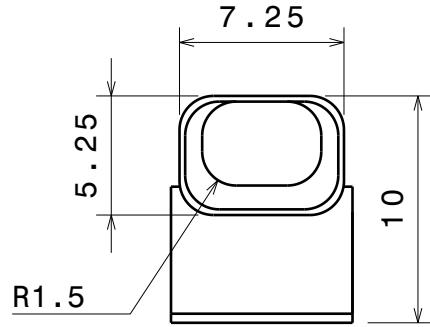
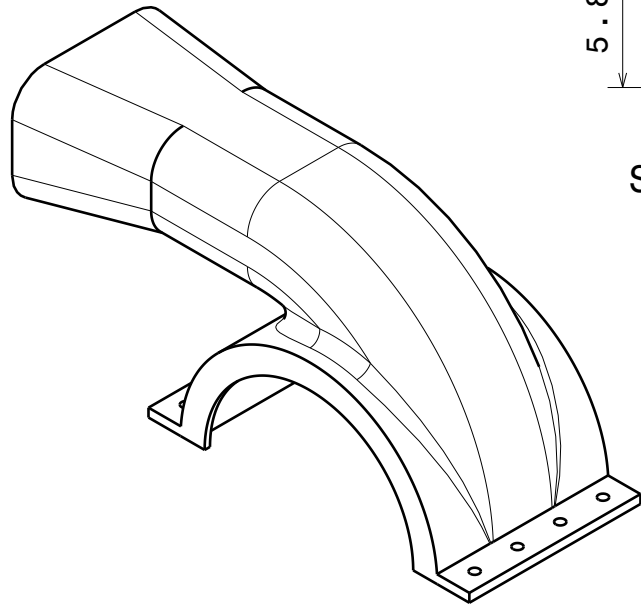


Bill of Material: Motor Blower Assembly

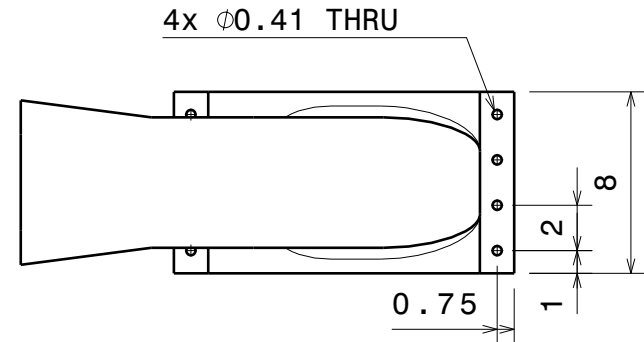
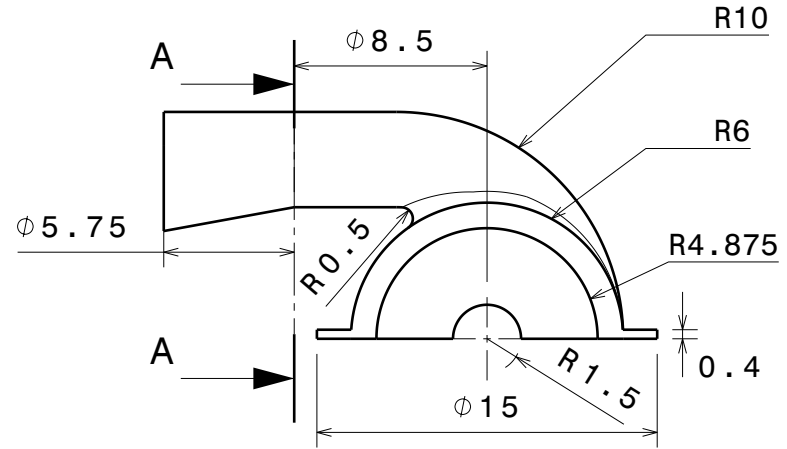
Part No.	Part Name	Qty
1	Upper Housing	1
2	Lower Housing	1
3	Blower	1
4	Motor	1
5	Cover	1
6	Shaft	1

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**

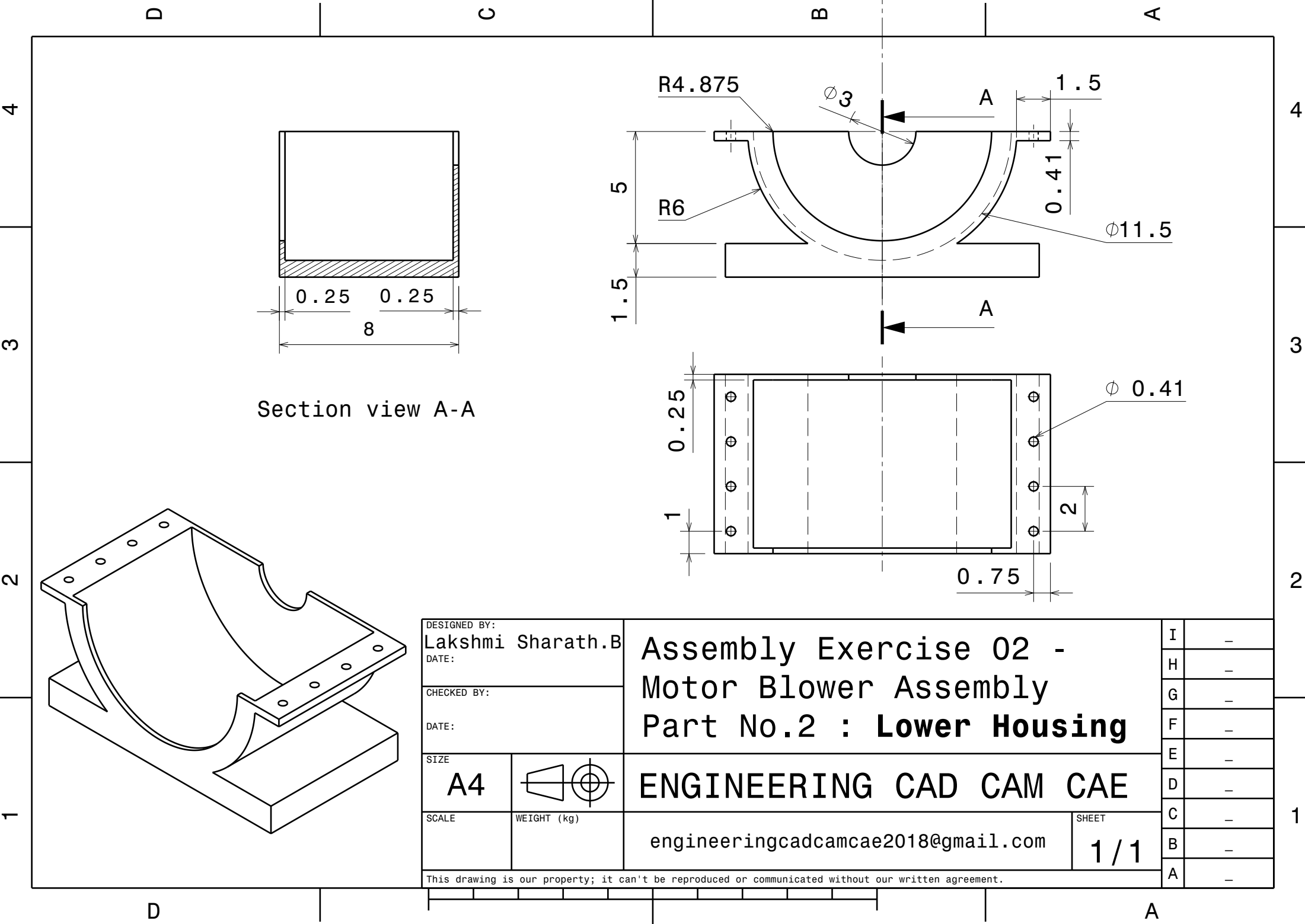
ENGINEERING CAD CAM CAE

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4

SCALE
WEIGHT (kg)

Assembly Exercise 02 -
Motor Blower Assembly
Part No.2 : **Lower Housing**

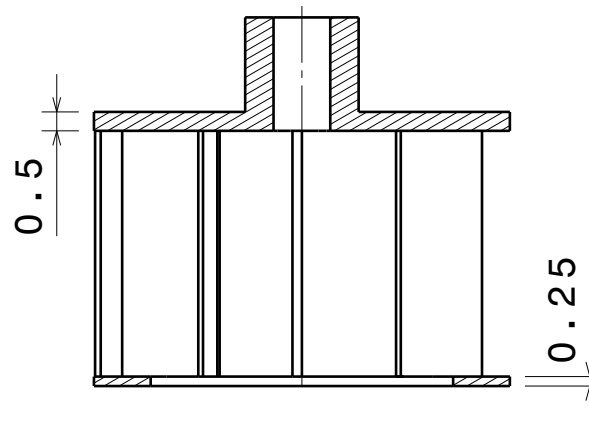
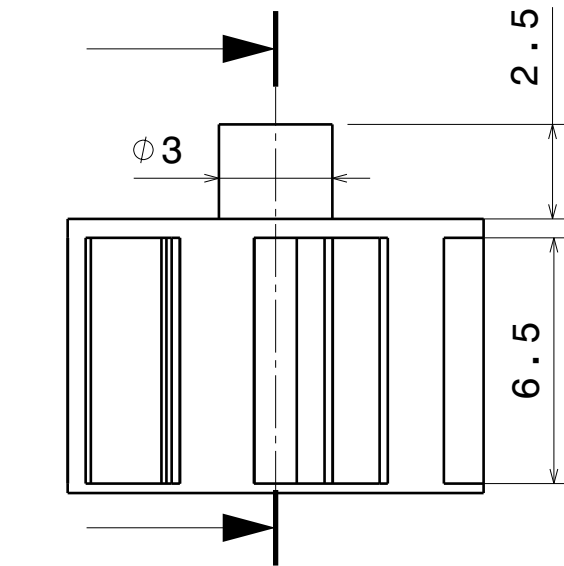
ENGINEERING CAD CAM CAE

engineeringcadcamcae2018@gmail.com

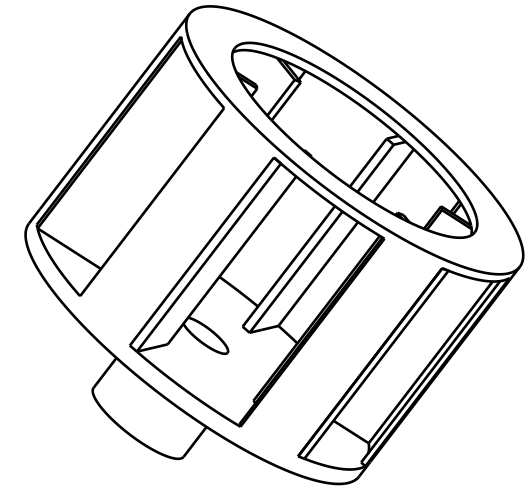
SHEET
1 / 1

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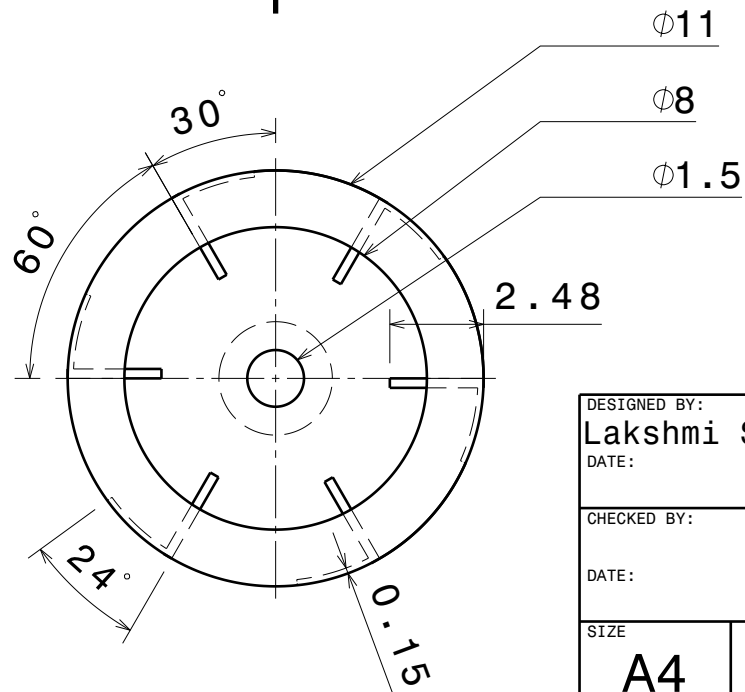
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

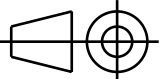


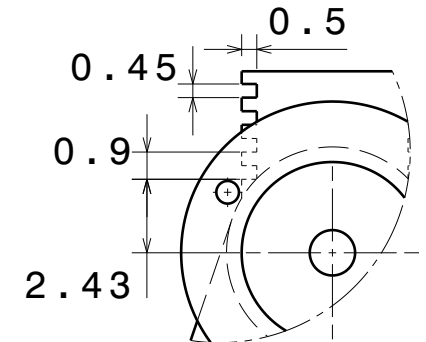
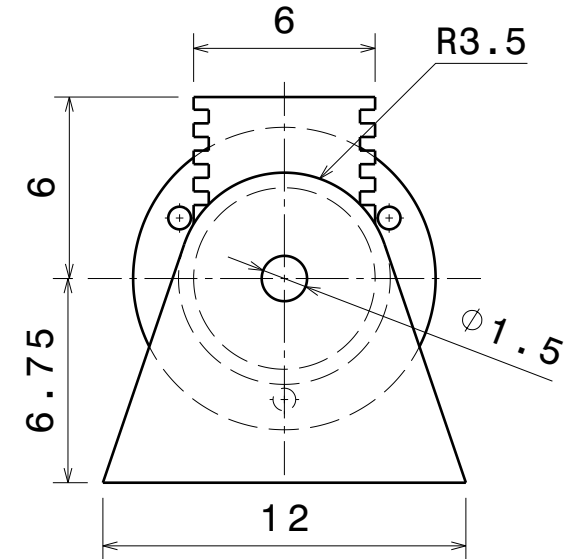
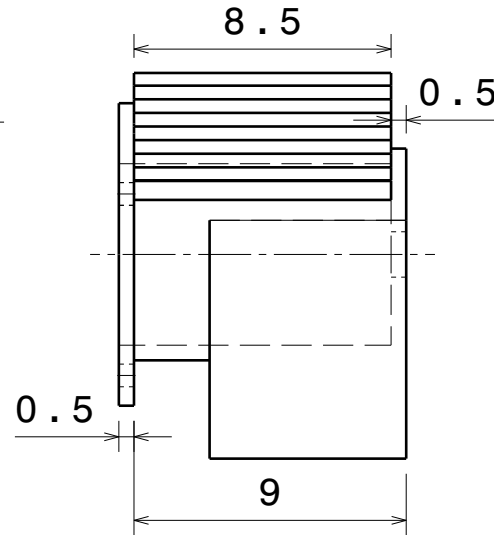
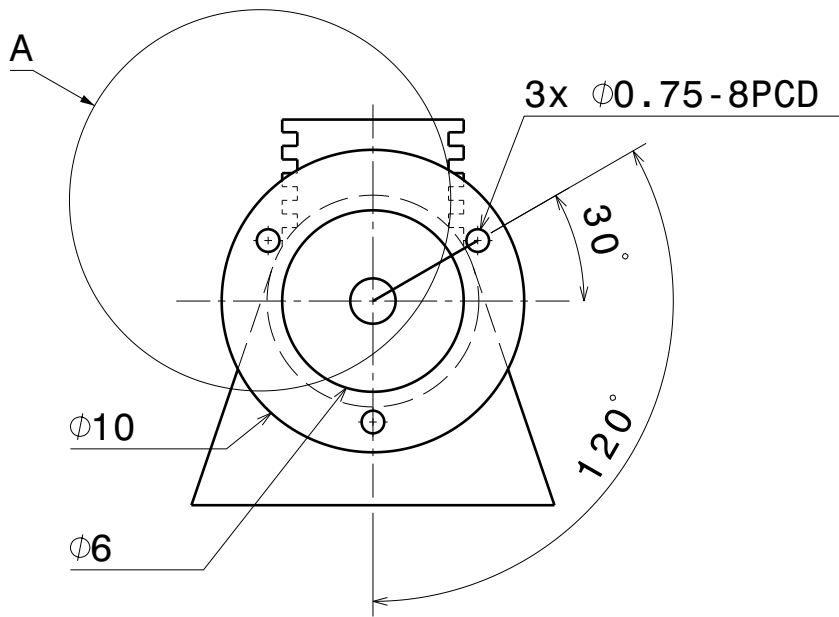
Section view A-A



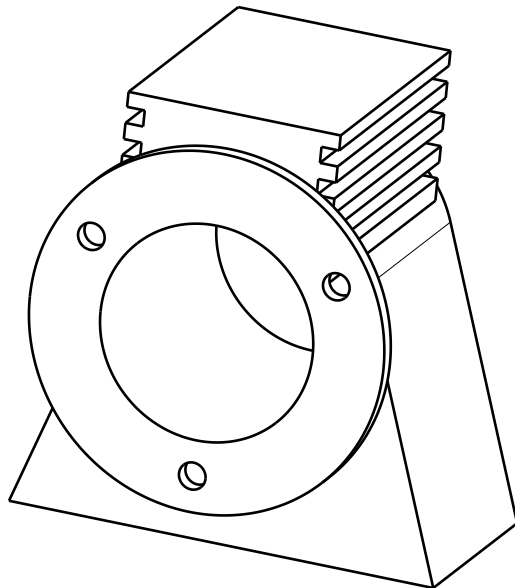
Isometric view



DESIGNED BY: Lakshmi Sharath.B DATE:		Assembly Exercise 02 - Motor Blower Assembly Part No.3 : Blower		I	—
CHECKED BY:				H	—
DATE:				G	—
SIZE A4		ENGINEERING CAD CAM CAE		F	—
SCALE	WEIGHT (kg)			E	—
		engineeringcadcamcae2018@gmail.com		D	—
		1 / 1		C	—
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				A	—



Detail A (4:1)



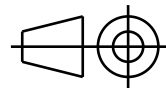
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

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

ENGINEERING CAD CAM CAE

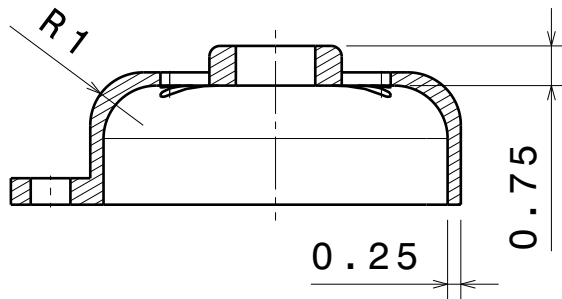
engineeringcadcamcae2018@gmail.com

SHEET

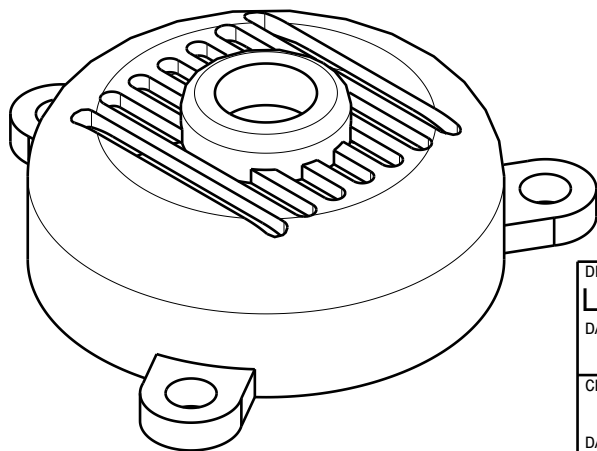
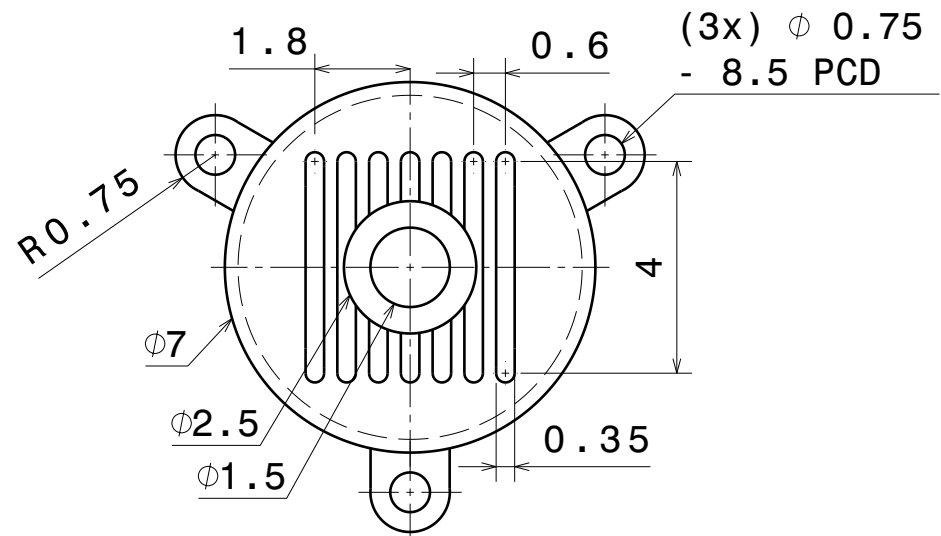
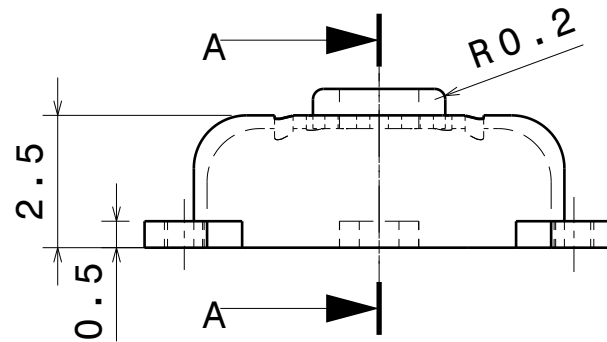
1 / 1

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



Section view A-A



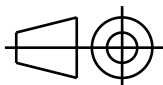
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

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

ENGINEERING CAD CAM CAE

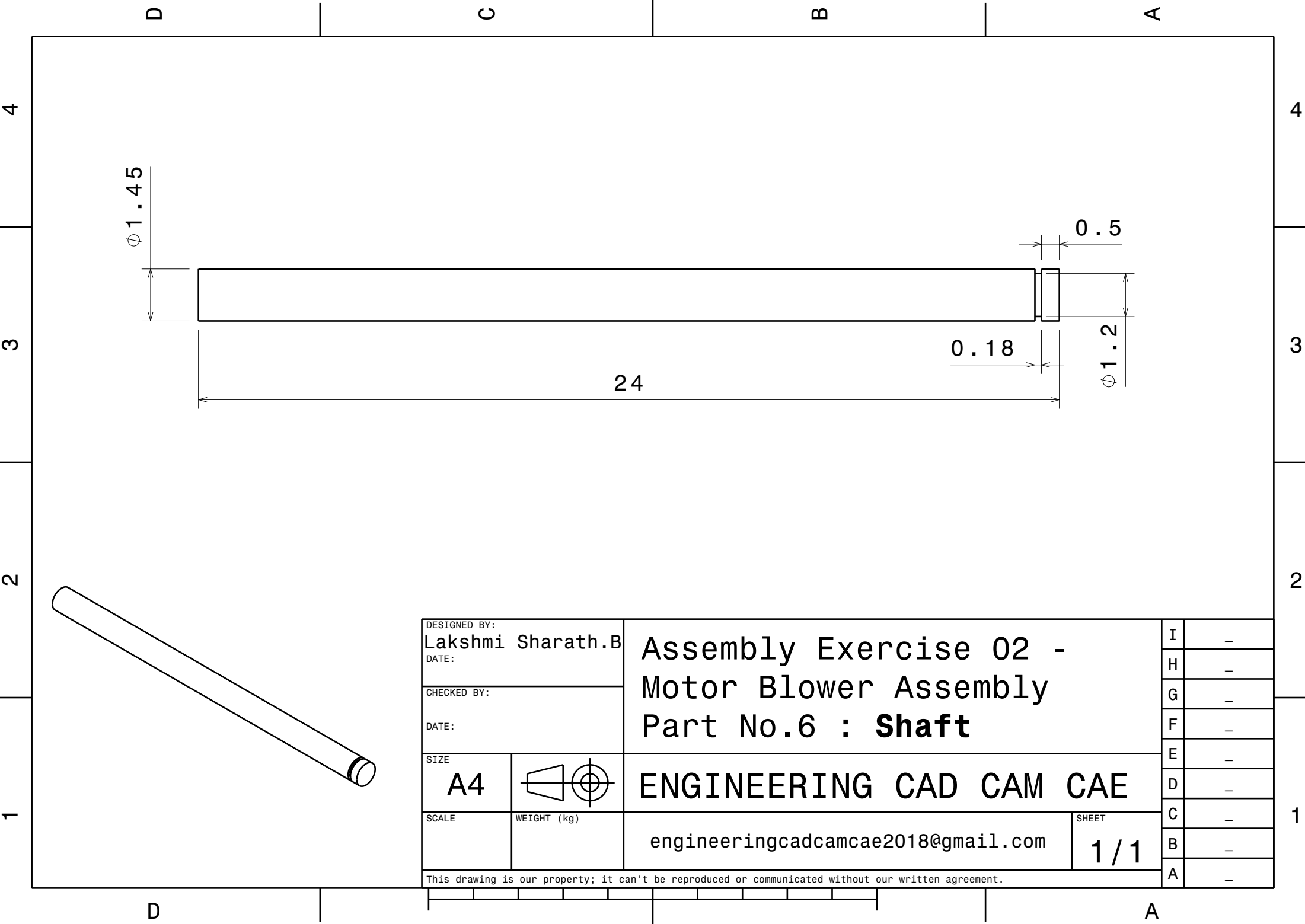
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4

SCALE
WEIGHT (kg)

Assembly Exercise 02 -
Motor Blower Assembly
Part No.6 : **Shaft**

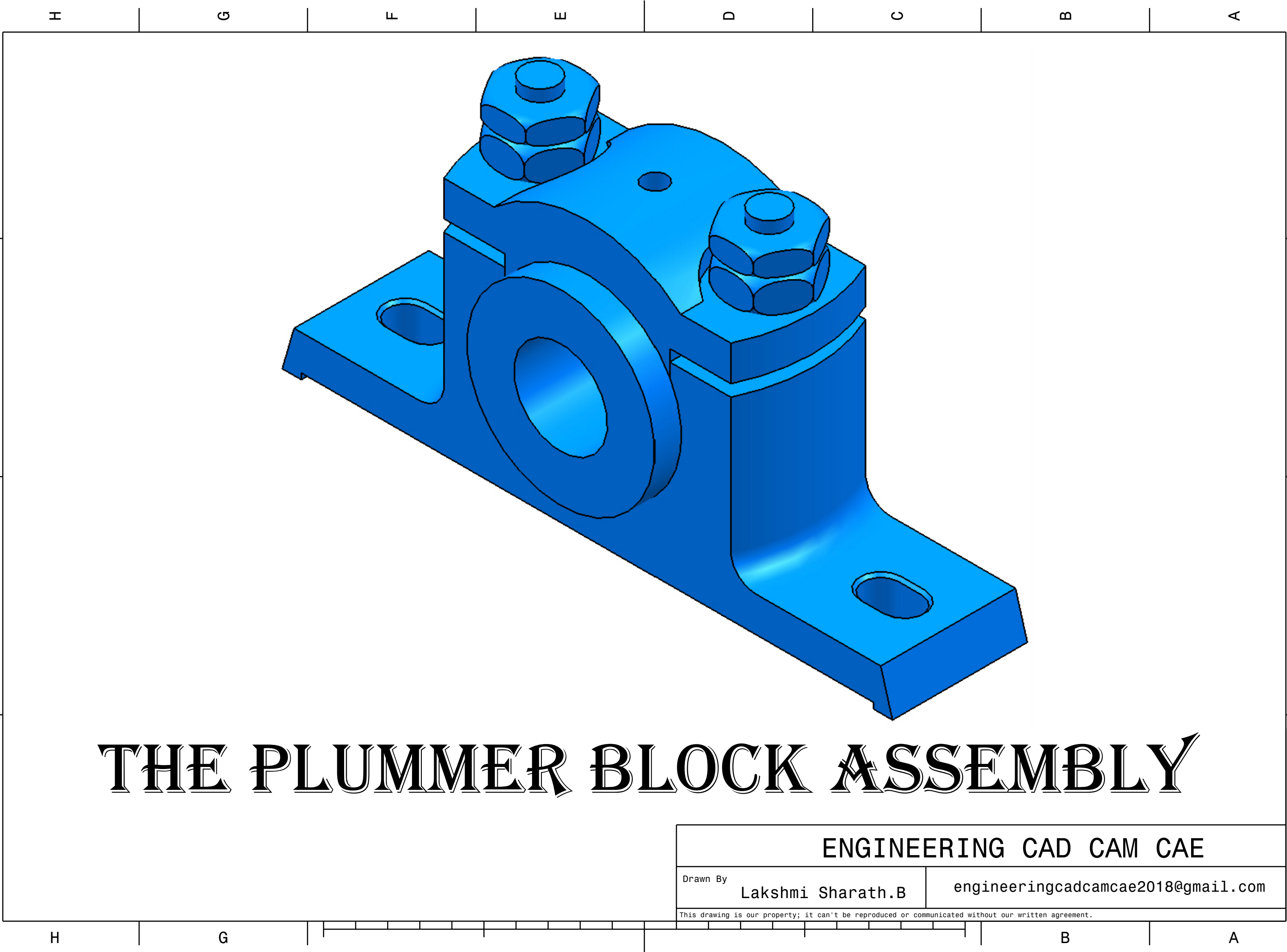
ENGINEERING CAD CAM CAE

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

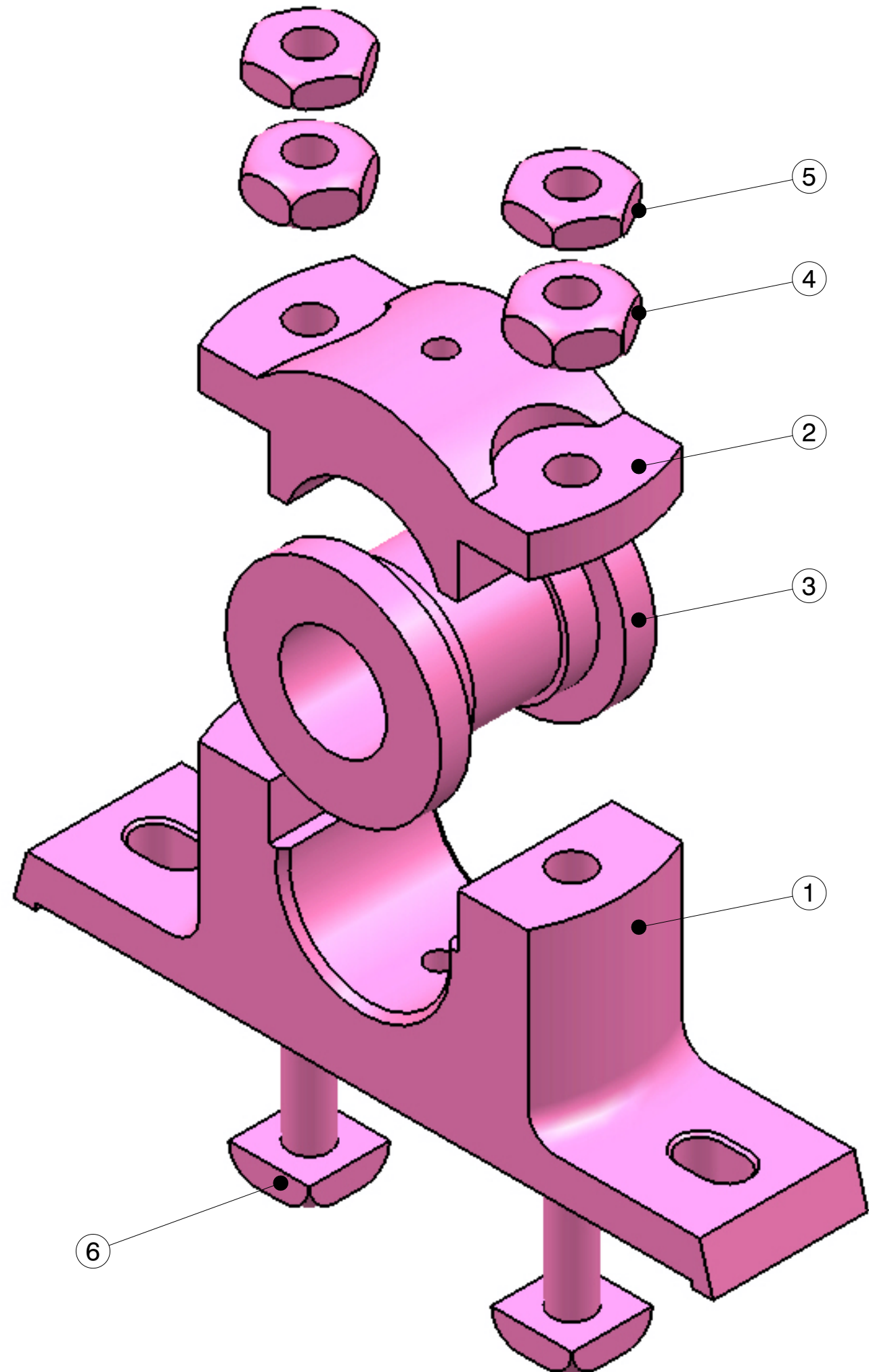
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C	-
B	-
A	-



THE PLUMMER BLOCK ASSEMBLY

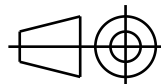
ENGINEERING CAD CAM CAE		
Drawn By	Lakshmi Sharath.B	engineeringcadcamcae2018@gmail.com
This drawing is our property; it can't be reproduced or communicated without our written agreement.		

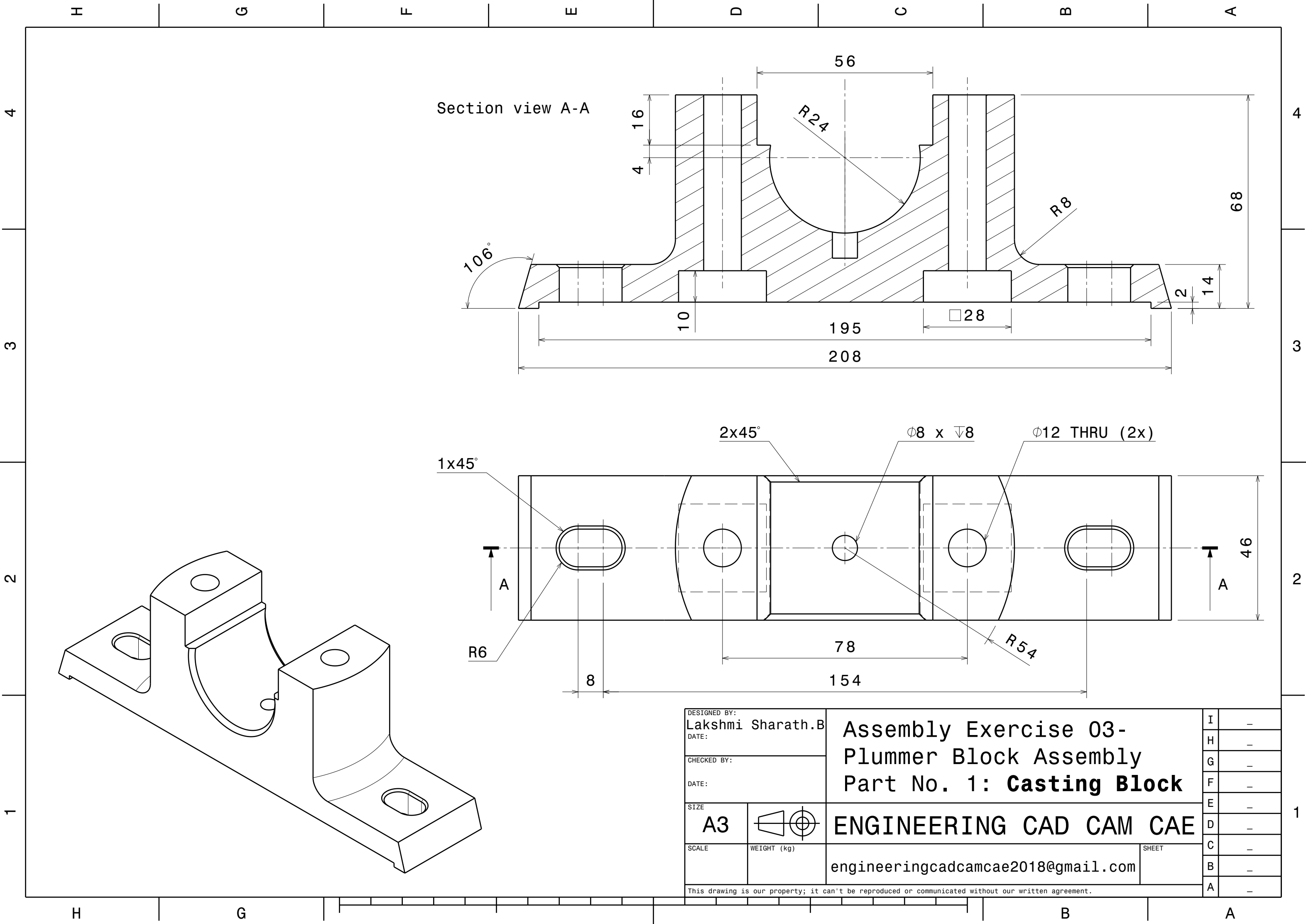


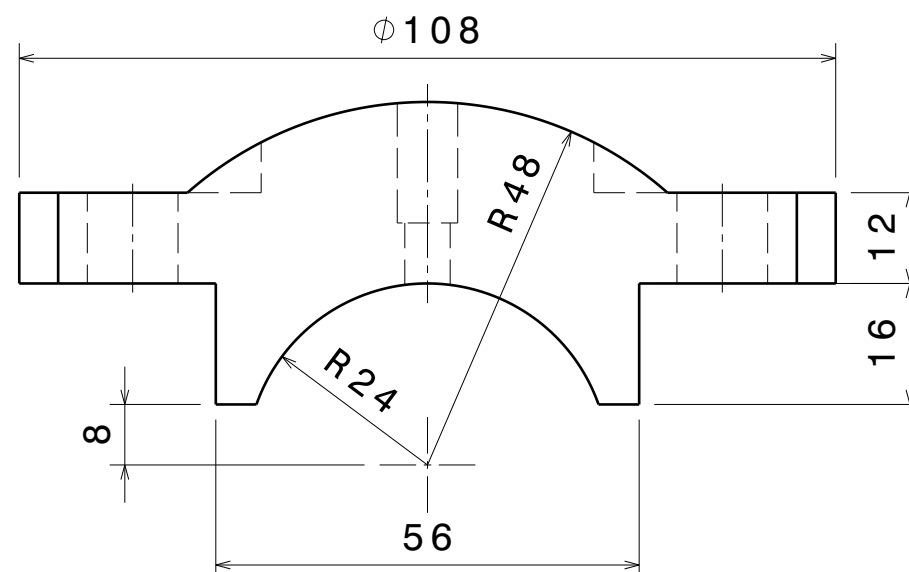
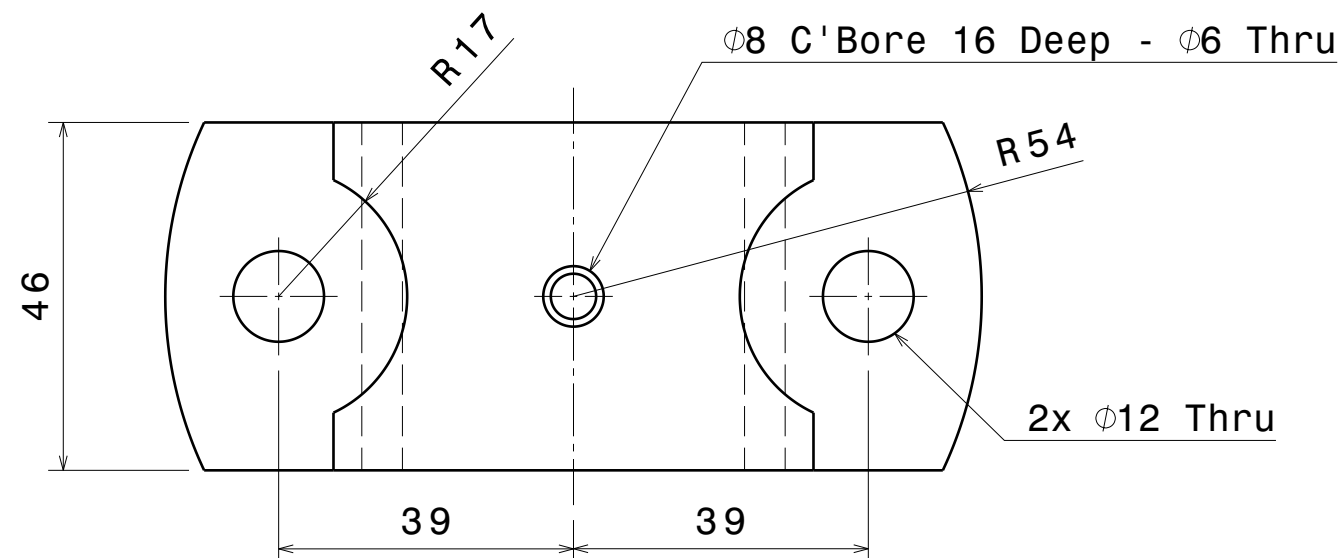
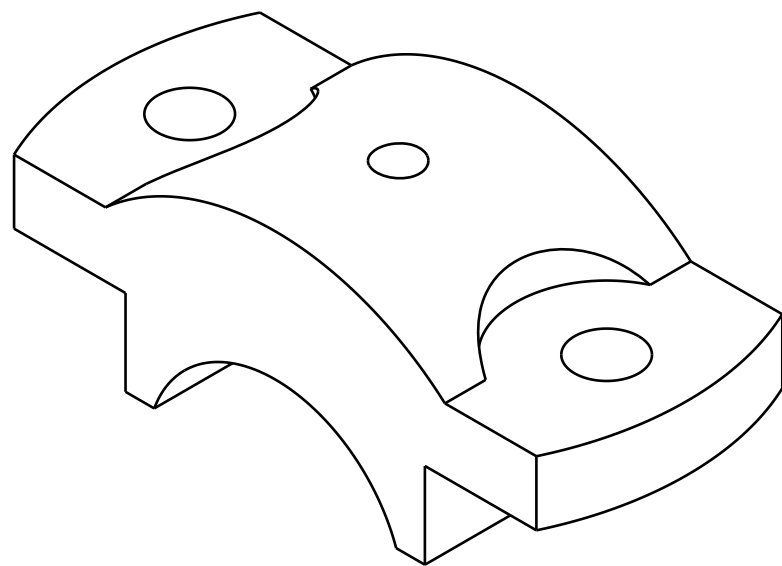
Bill of Material: Plummer Block Assembly

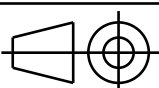
Part Number	Part Name	Quantity
1	Base	1
2	Cap	1
3	Shaft	1
4	12mm Nut	2
5	8mm Nut	2
6	Bolt	2

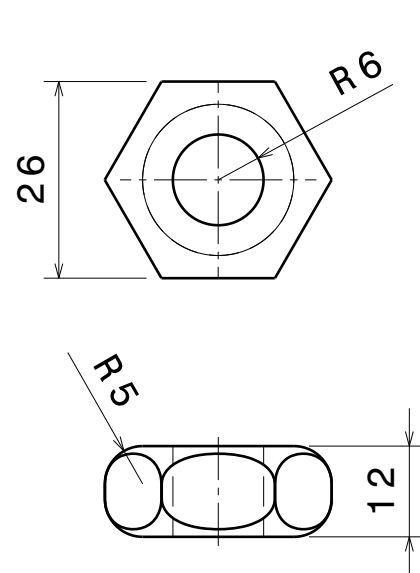
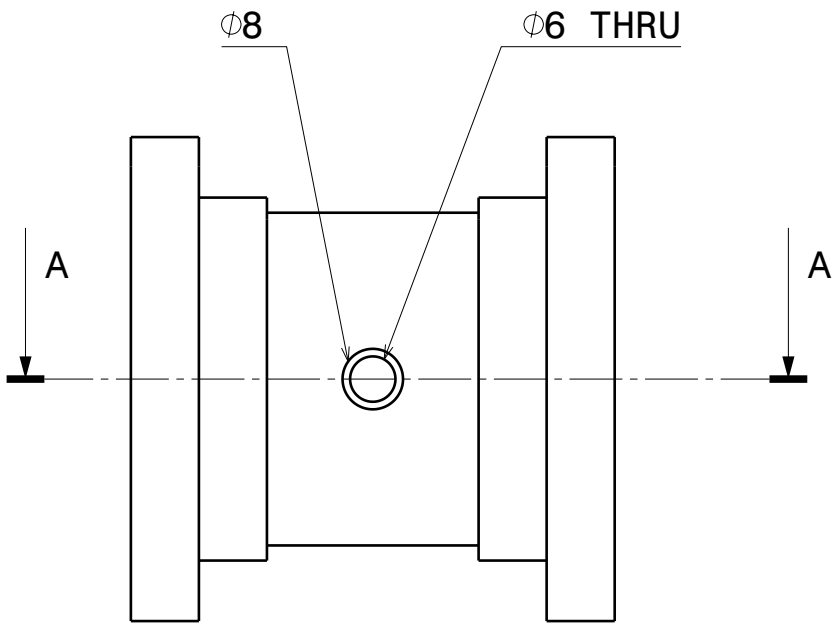
Exploded View

DESIGNED BY: Lakshmi Sharath.B DATE:		Assembly Exercise 03- Plummer Block Assembly		I	—
CHECKED BY: DATE:				H	—
				G	—
		F	—		
SIZE A3		E	—		
ENGINEERING CAD CAM CAE		D	—		
SCALE	WEIGHT (kg)	C	—		
engineeringcadcamcae2018@gmail.com		B	—		
		A	—		
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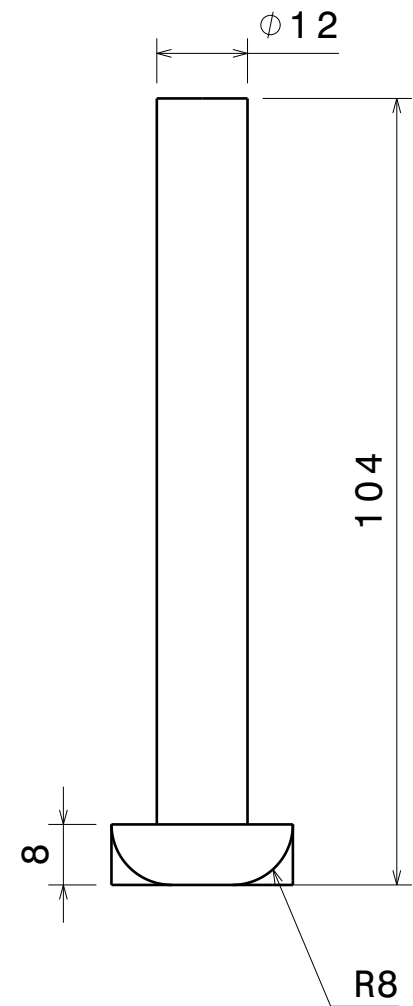




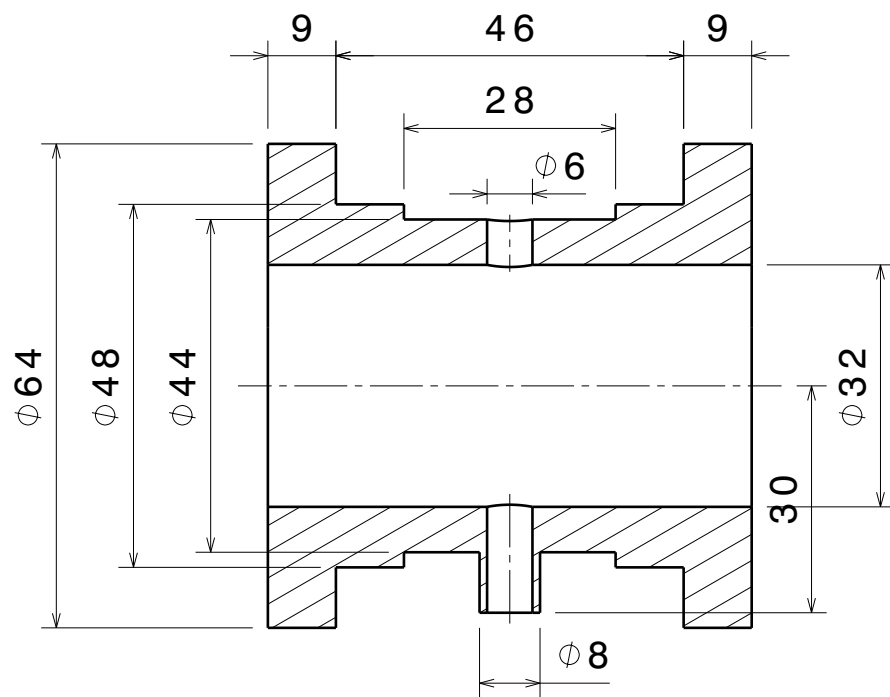
DESIGNED BY: Lakshmi Sharath.B		Assembly Exercise 03- Plummer Block Assembly Part No. 2 : Cap	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE		ENGINEERING CAD CAM CAE	E	—
A3			D	—
SCALE	WEIGHT (kg)		engineeringcadcamcae2018@gmail.com	C
		SHEET		B
This drawing is our property; it can't be reproduced or communicated without our written agreement.			A	—



Part No. 4: 12mm Nut

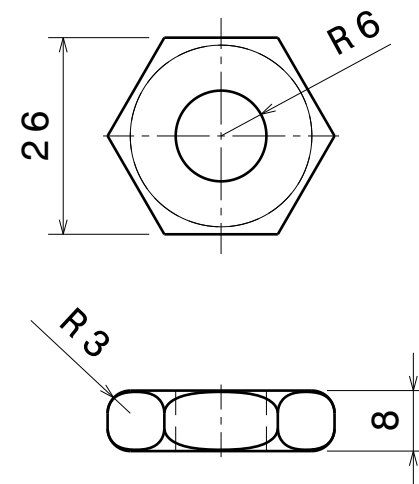


Part No. 6: Bolt

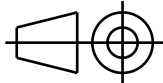


Section view A-A

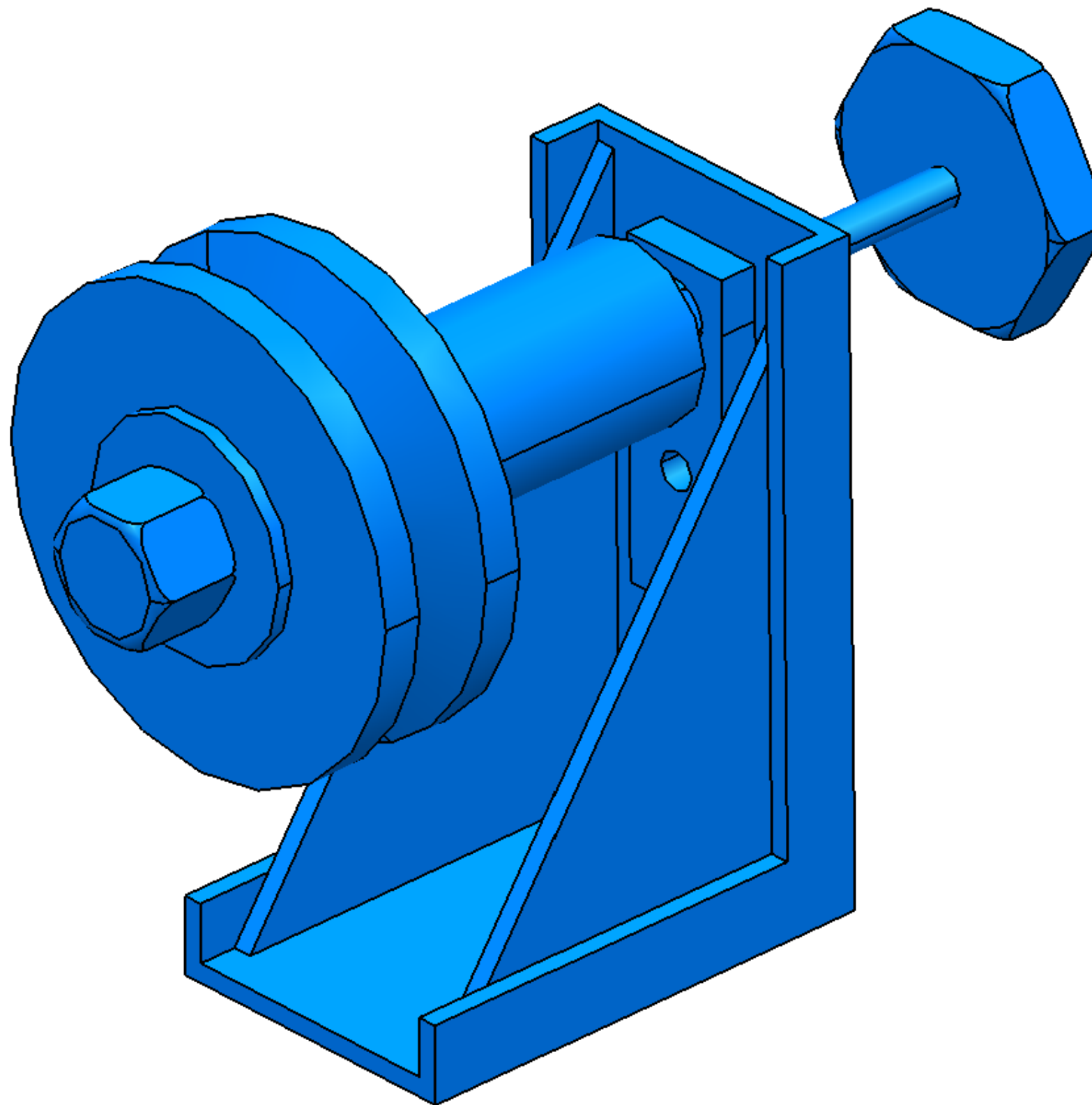
Part No. 3: Shaft



Part No. 5: 8mm Nut

DESIGNED BY: Lakshmi Sharath.B DATE:		Assembly Exercise 03- Plummer Block Assembly Part No.3 to 6	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

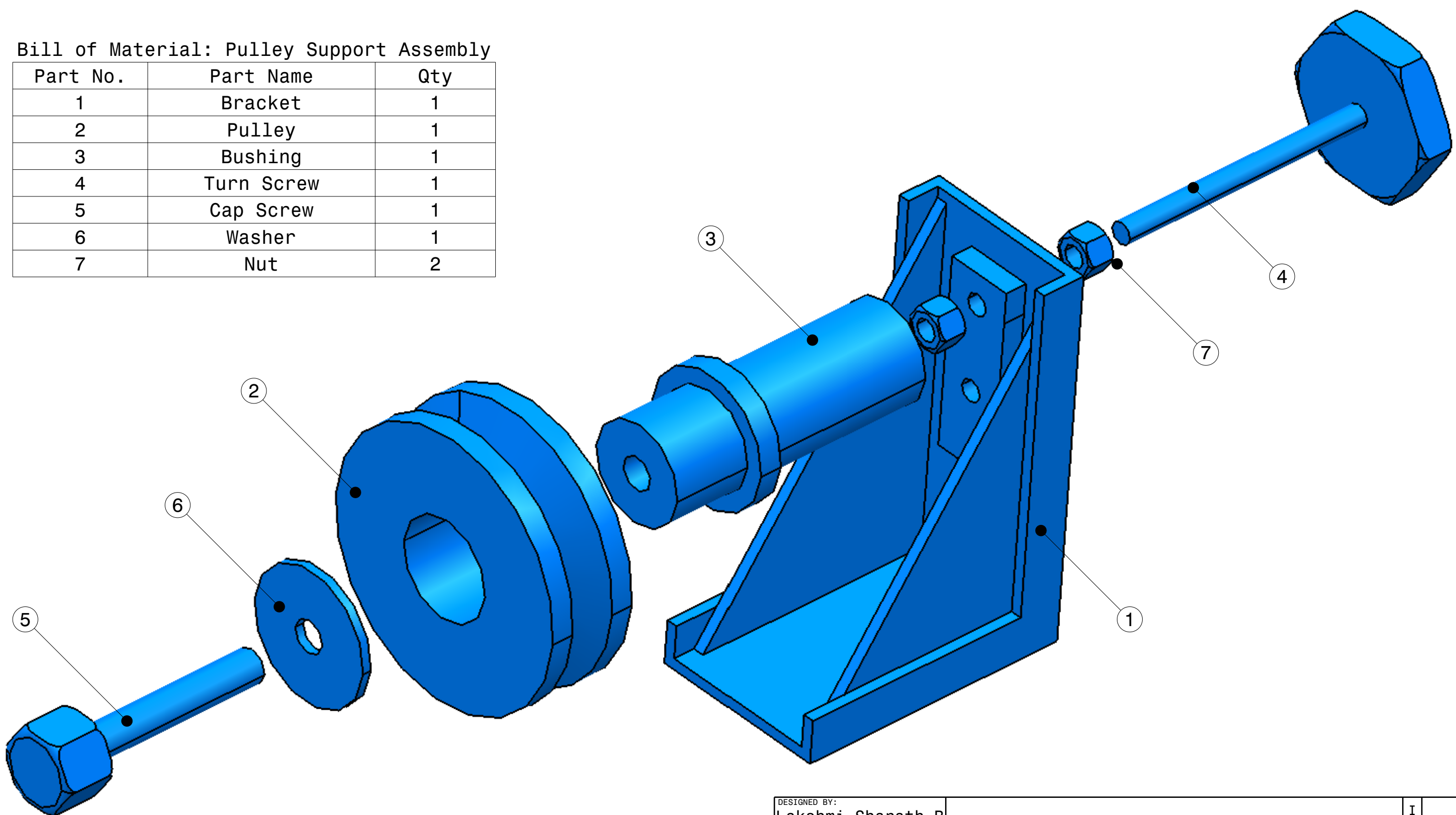
Lakshmi Sharath.B

engineeringcadcamcae2018@gmail.com

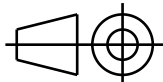
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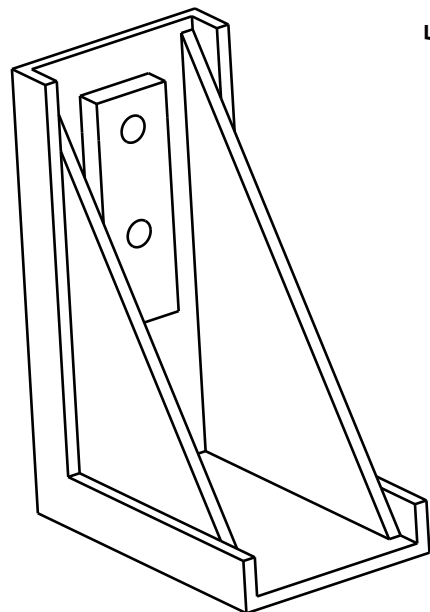
Bill of Material: Pulley Support Assembly

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

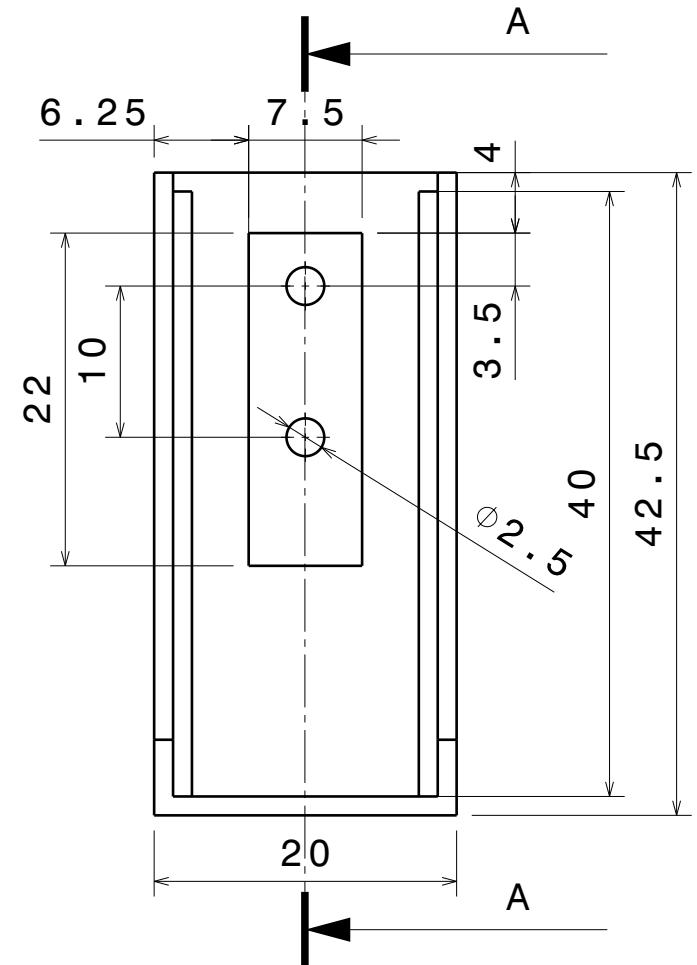
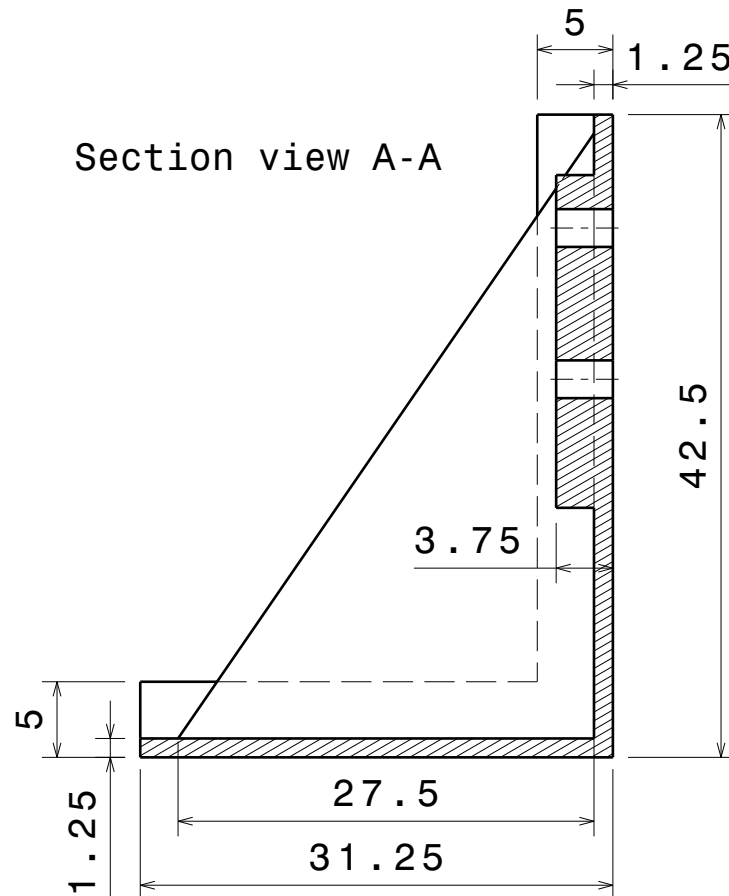


Exploded View

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



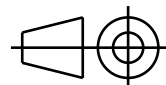
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

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

ENGINEERING CAD CAM CAE

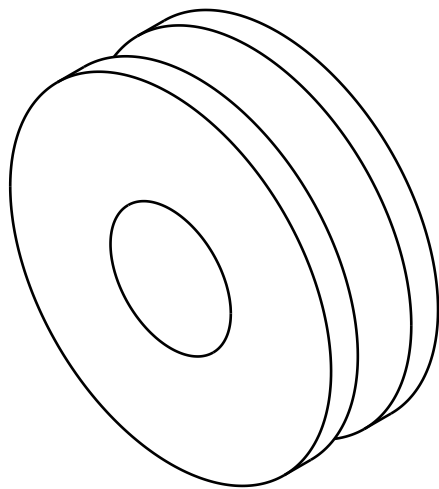
engineeringcadcamcae2018@gmail.com

SHEET

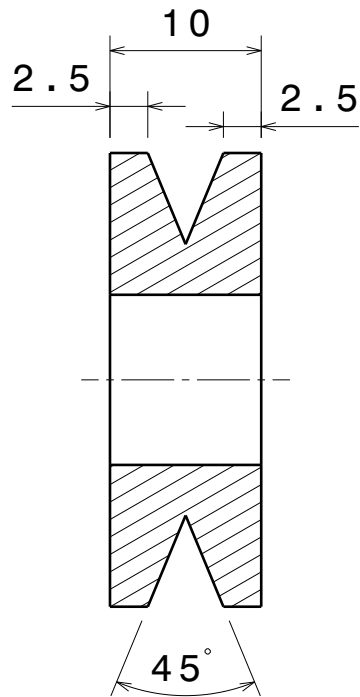
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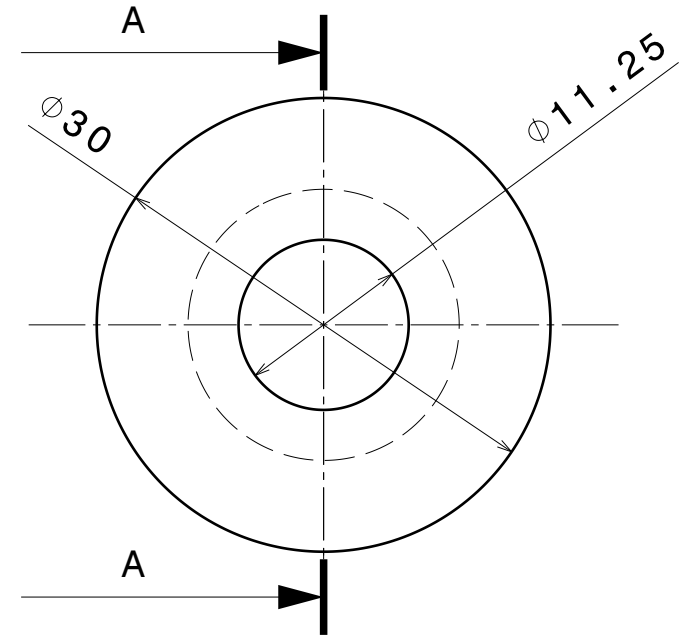
I	-
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E	-
D	-
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A	-



Isometric view



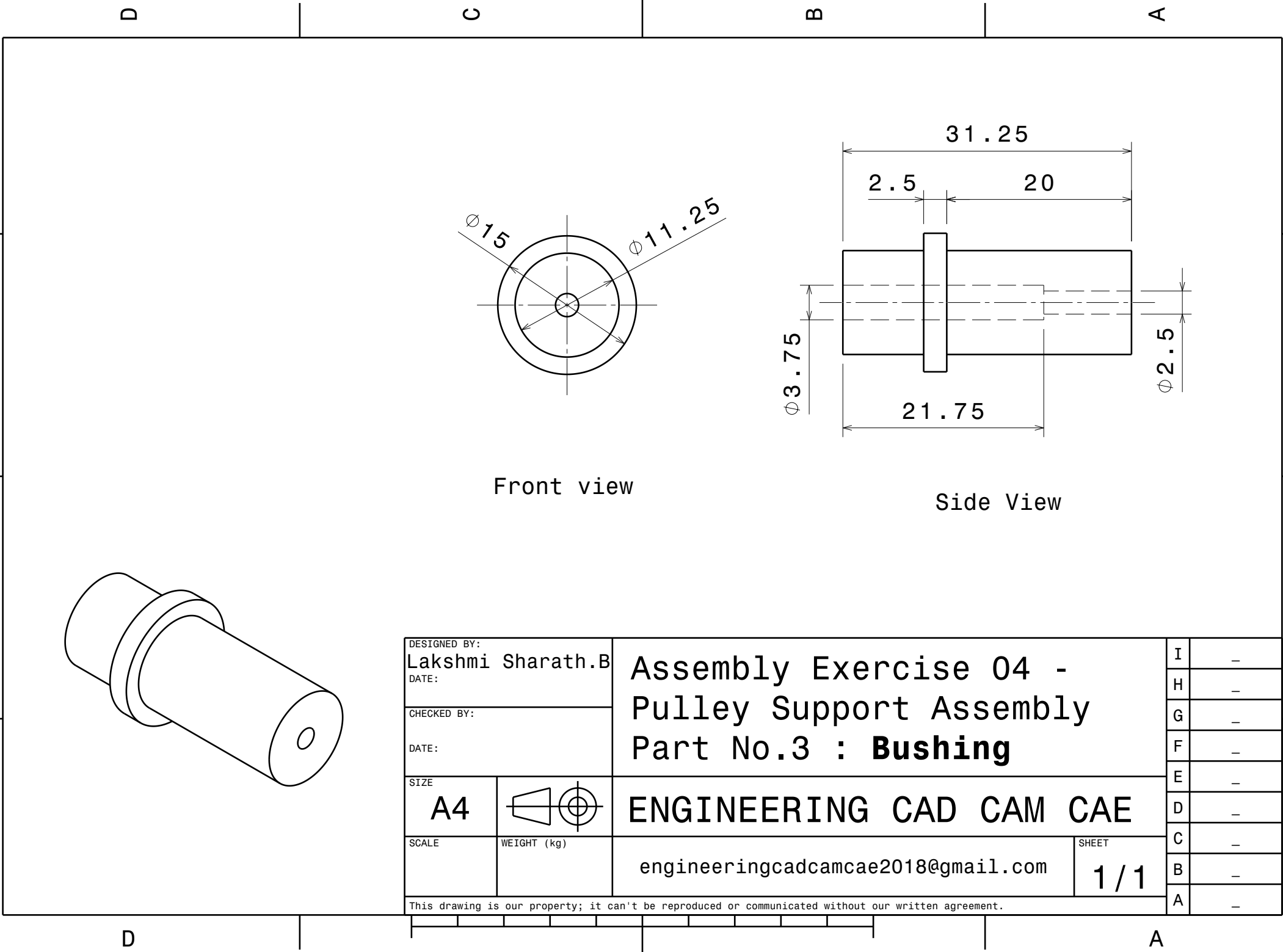
Section view A-A

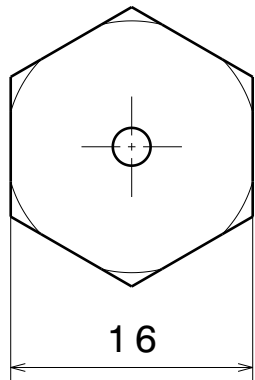
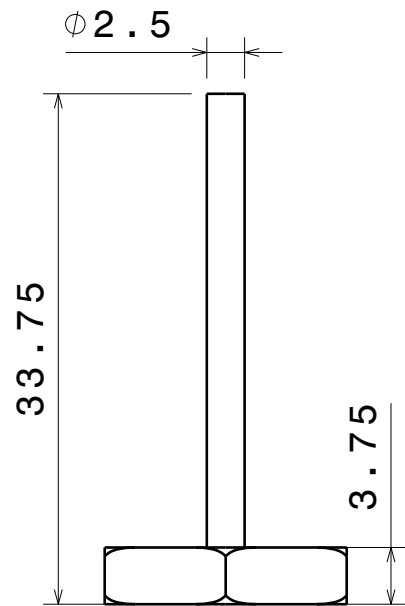


Front view

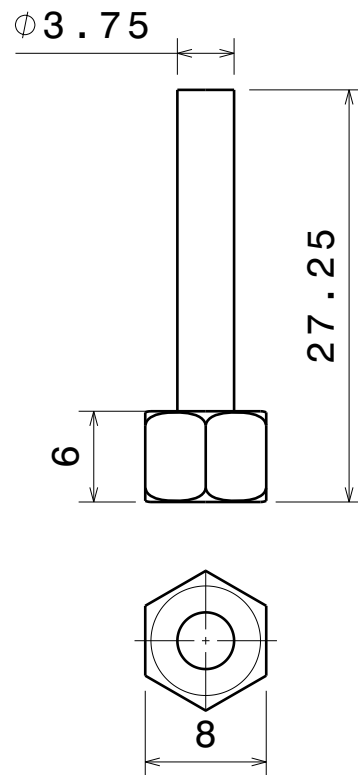
DESIGNED BY: Lakshmi Sharath.B		Assembly Exercise 04 - Pulley Support Assembly Part No.2 : Pulley		I	-
DATE:				H	-
CHECKED BY:		ENGINEERING CAD CAM CAE		G	-
DATE:				F	-
SIZE A4		engineeringcadcamcae2018@gmail.com		E	-
SCALE	WEIGHT (kg)			D	-
		SHEET 1 / 1		C	-
				B	-
				A	-

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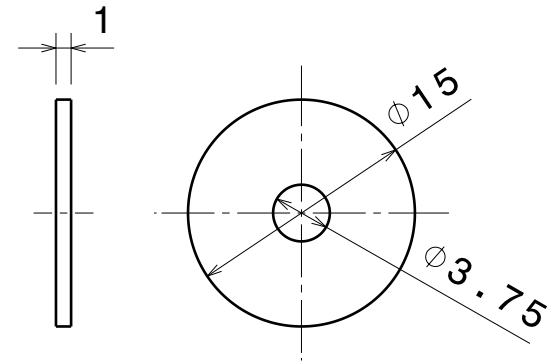




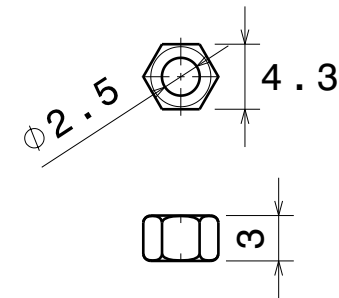
Part No.4- Turn Screw



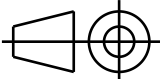
Part No.5- Cap Screw



Part No.6 - Washer



Part No.7 - Nut

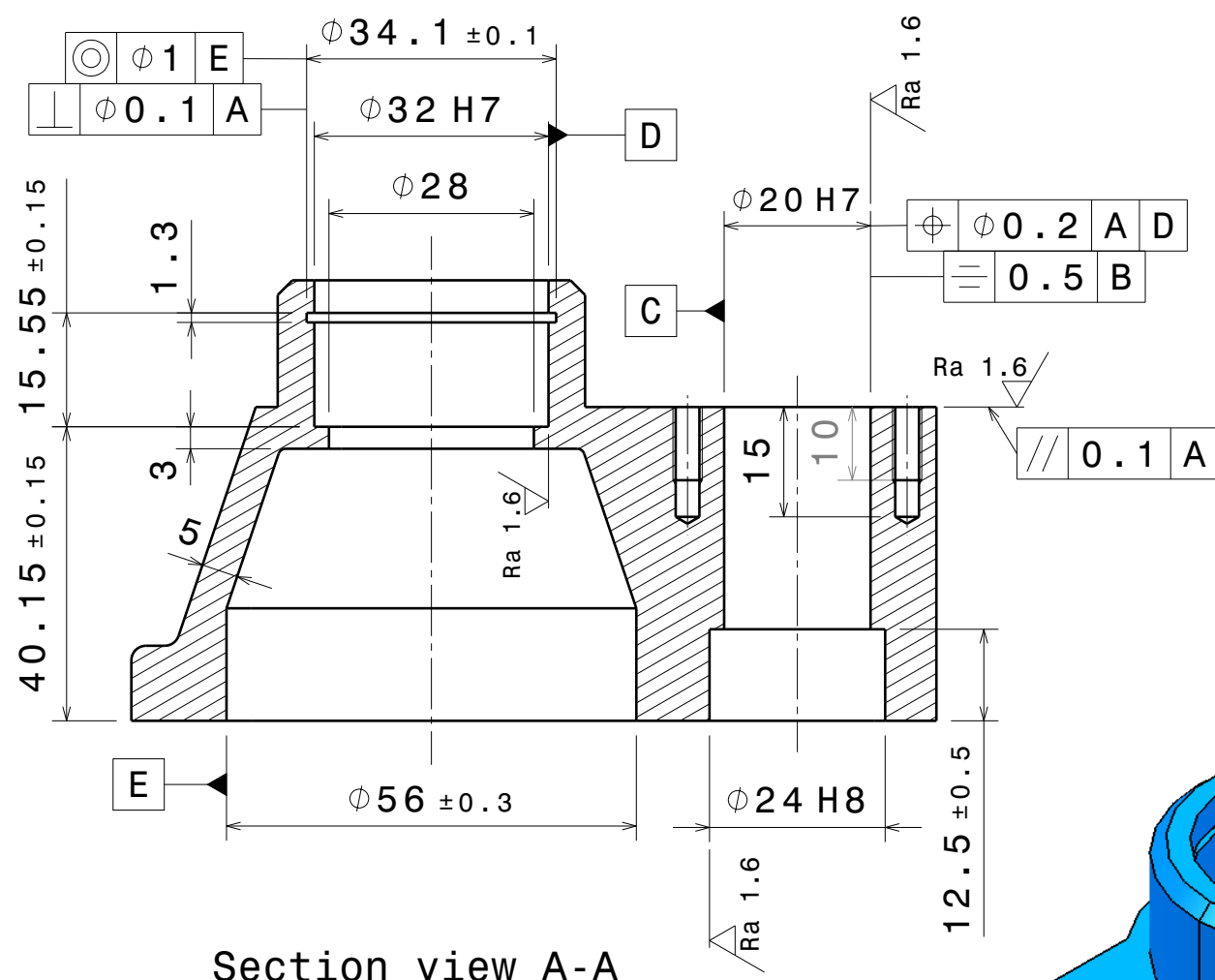
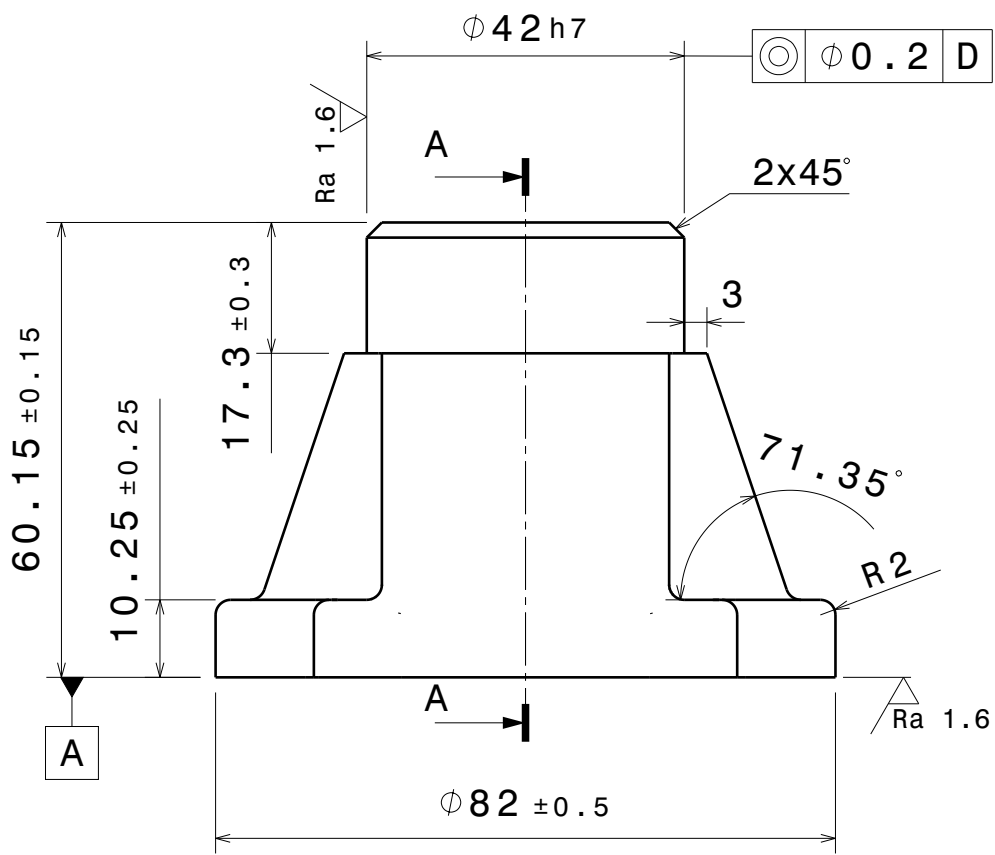
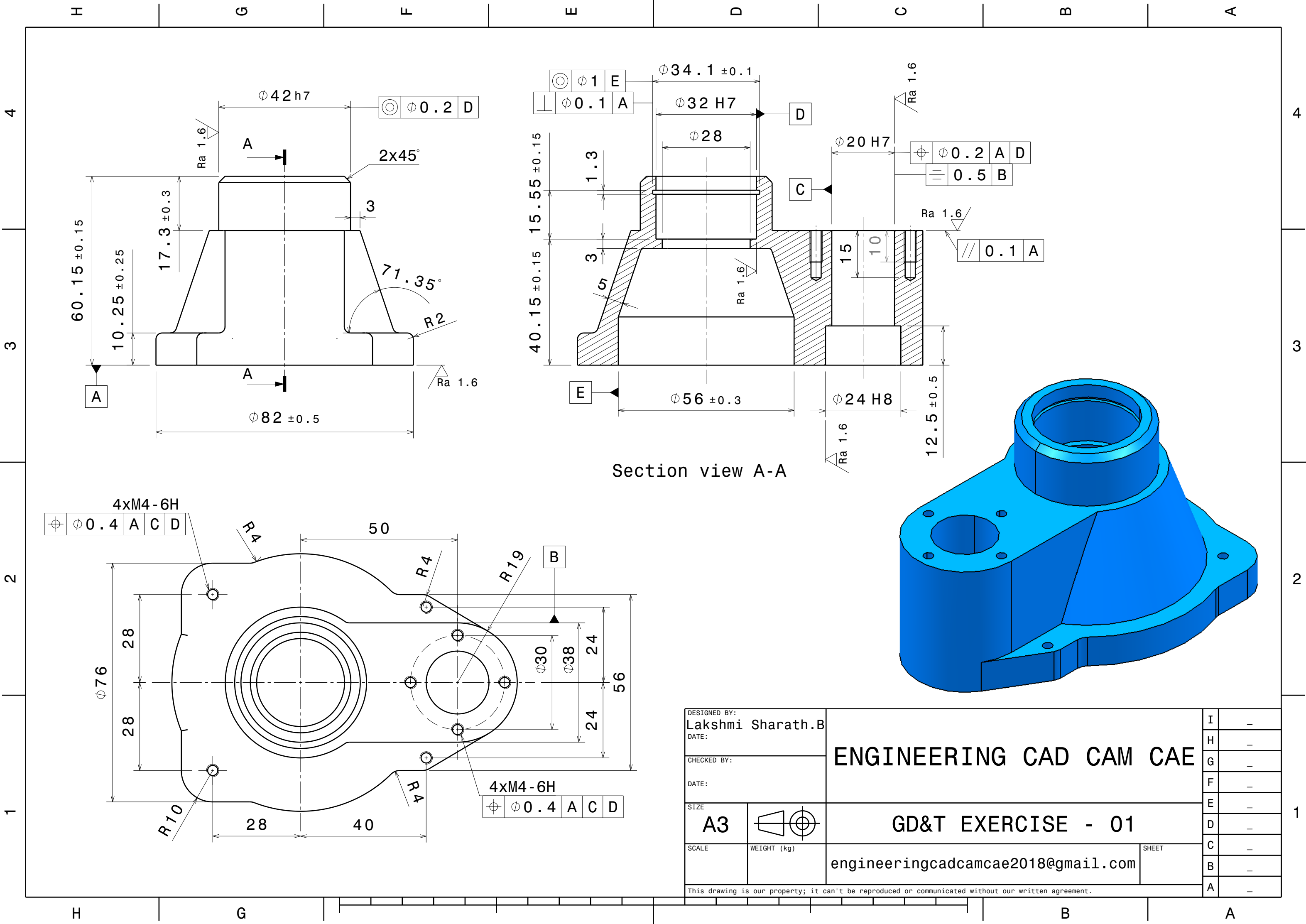
DESIGNED BY: Lakshmi Sharath.B DATE:		Assembly Exercise 04 - Pulley Support Assembly Part No.4 to 7		I	—
CHECKED BY: DATE:				H	—
				G	—
		F	—		
SIZE A4		ENGINEERING CAD CAM CAE		E	—
SCALE	WEIGHT (kg)			D	—
		engineeringcadcamcae2018@gmail.com		C	—
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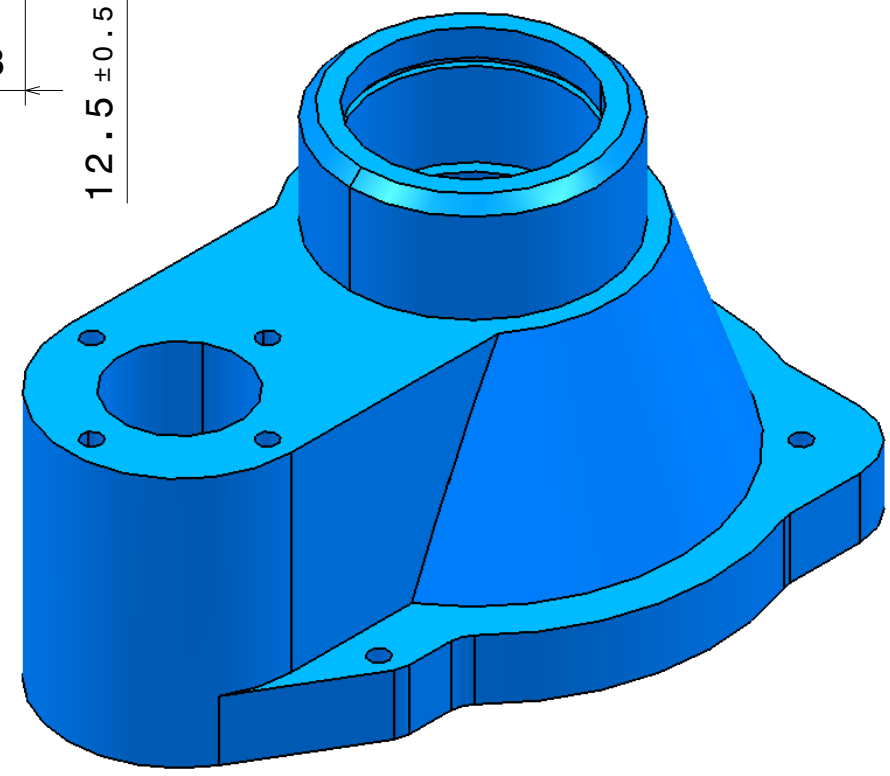
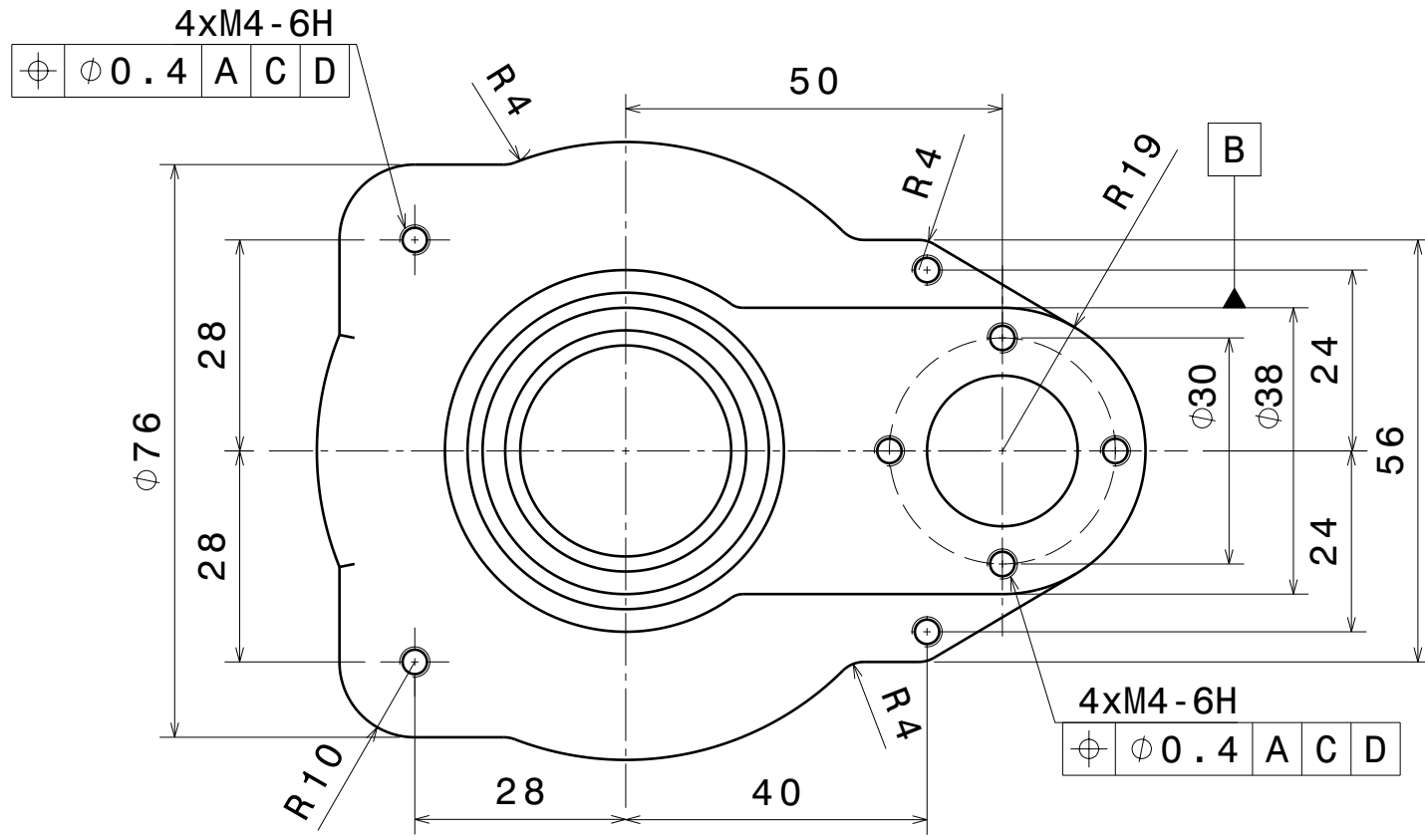
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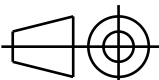
(A Professional Training Institute)

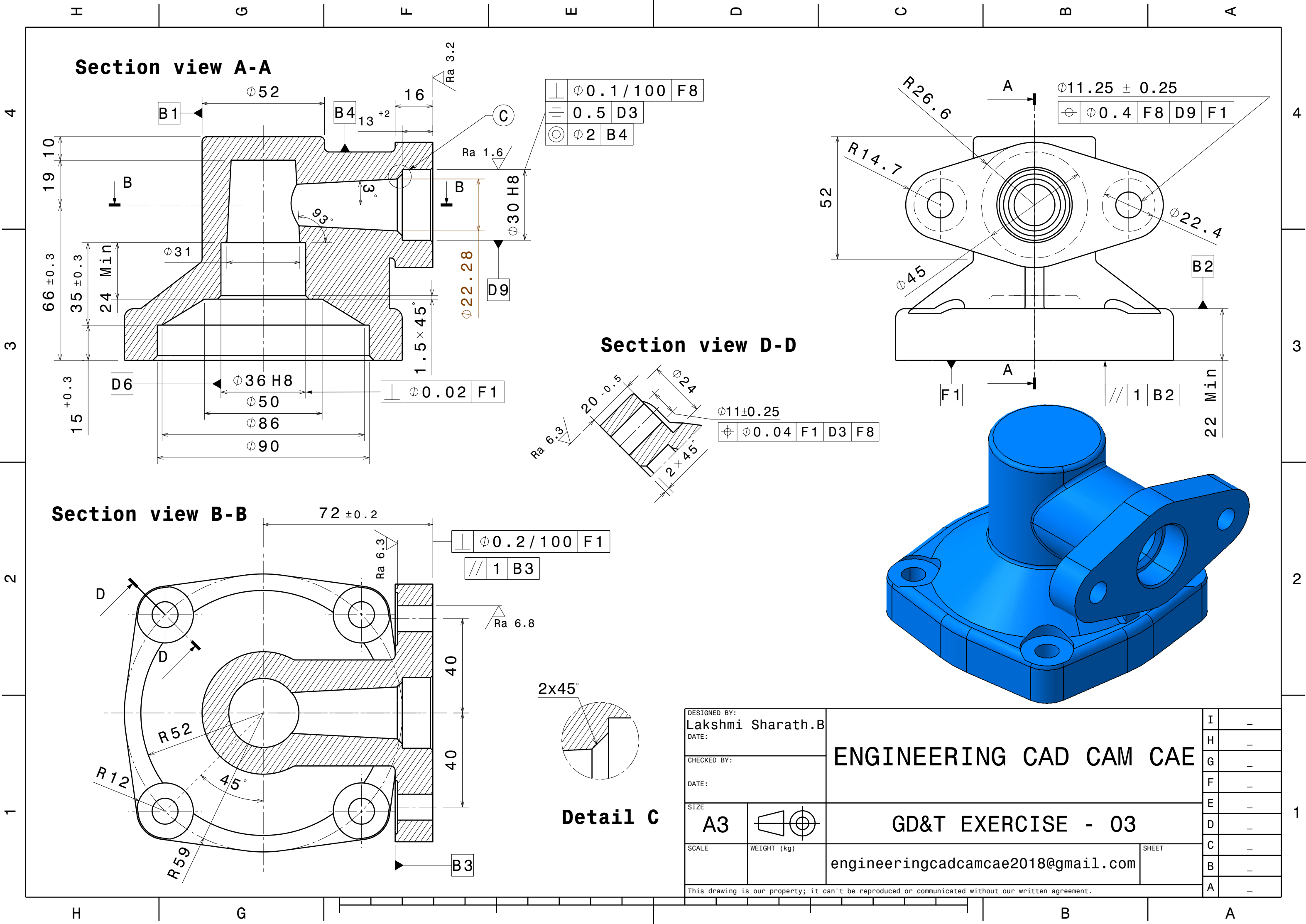
Geometric Dimensioning & Tolerancing (GD&T) Practice Drawings



Section view A-A



DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY: DATE:			H	—
			G	—
			F	—
SIZE A3		GD&T EXERCISE - 01	E	—
			D	—
SCALE	WEIGHT (kg)		C	—
			B	—
			A	—
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DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

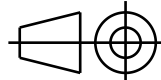
DATE:

SIZE

A3

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

GD&T EXERCISE - 03

engineeringcadcamcae2018@gmail.com

SHEET

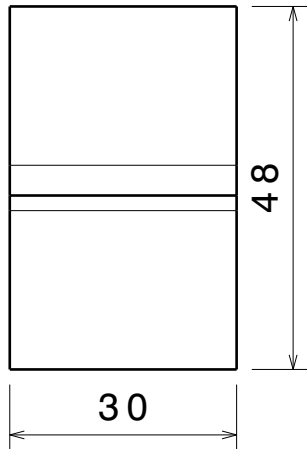
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D	-
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B	-
A	-

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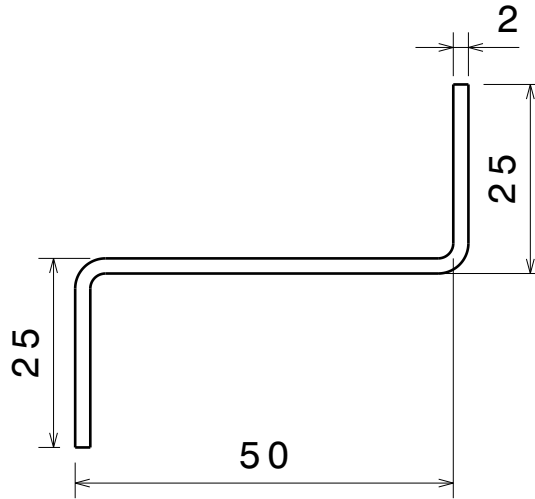
ENGINEERING CAD CAM CAE

(A Professional Training Institute)

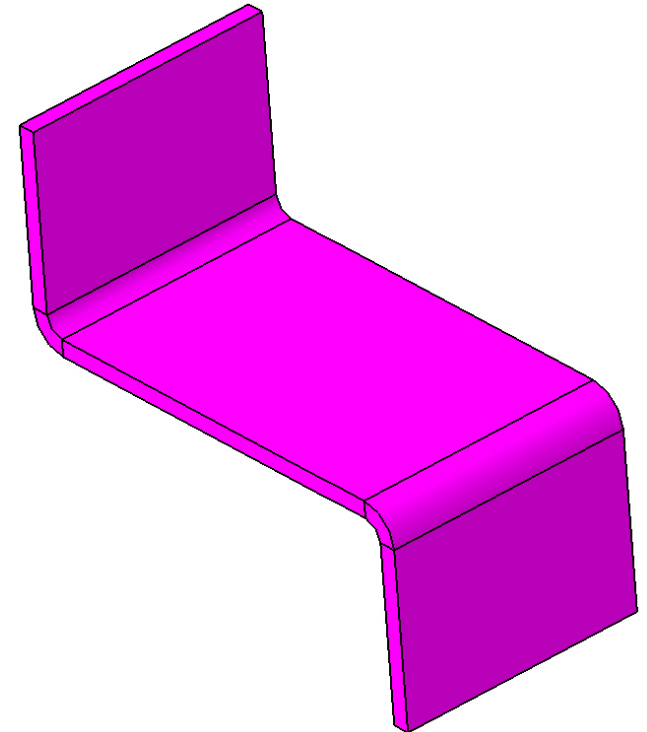
Sheetmetal Practice Drawings



Right view



Front view



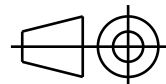
Sheet Thickness: 2mm
Bend Radius: 2mm

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

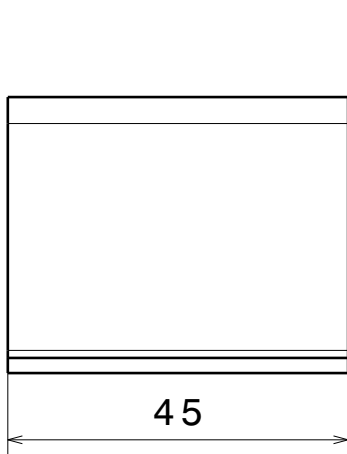
SHEETMETAL EXERCISE - 01

engineeringcadcamcae2018@gmail.com

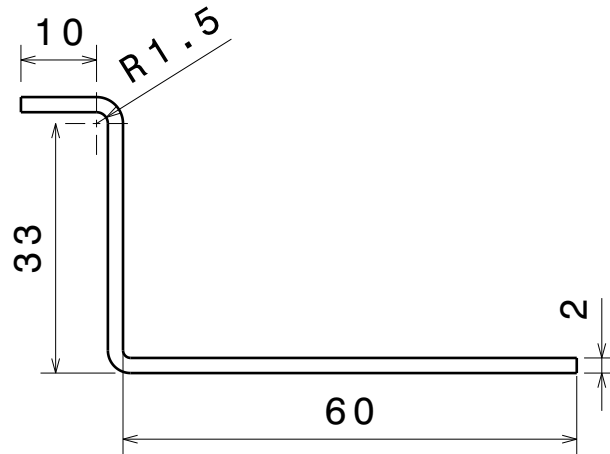
SHEET
1 / 1

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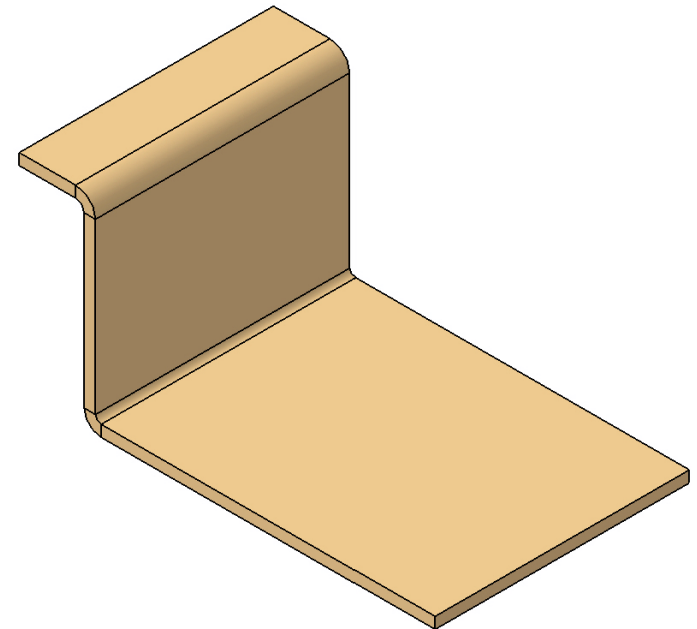
I	-
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E	-
D	-
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B	-
A	-



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 - 02

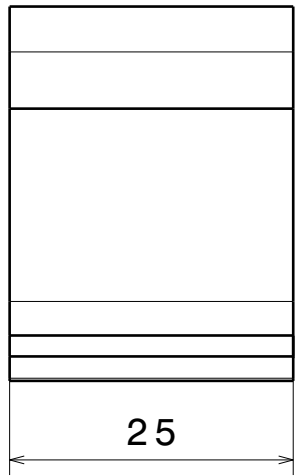
engineeringcadcamcae2018@gmail.com

SHEET

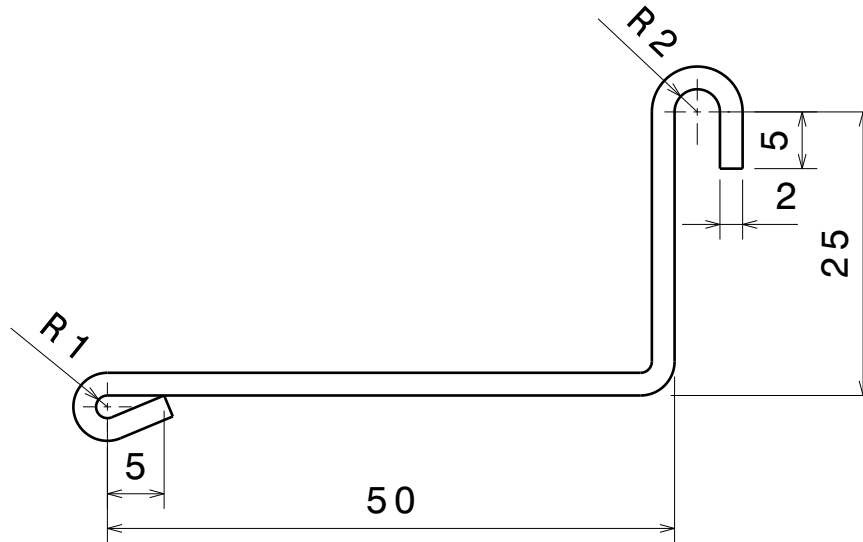
1 / 1

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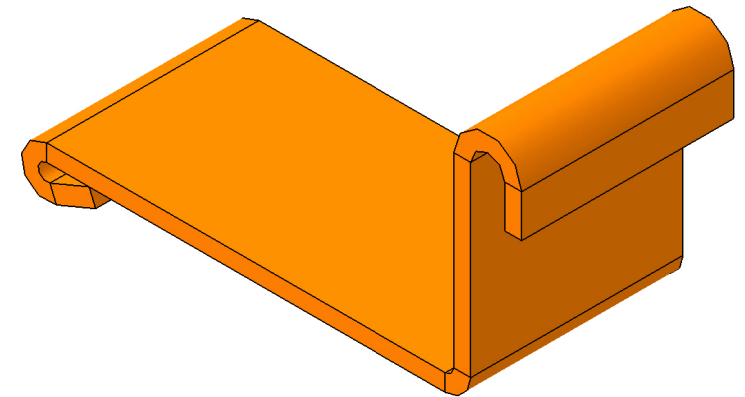
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A	-



Right view



Front view



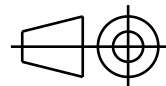
Sheet Thickness: 2mm
Bend Radius: 1mm

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 03

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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E	-
D	-
C	-
B	-
A	-

D

C

B

A

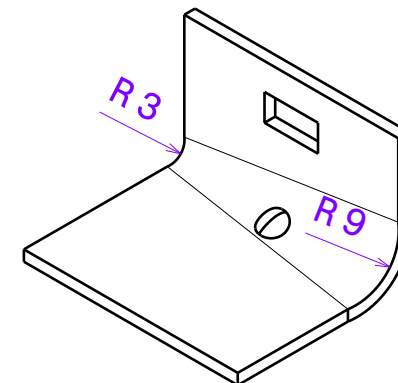
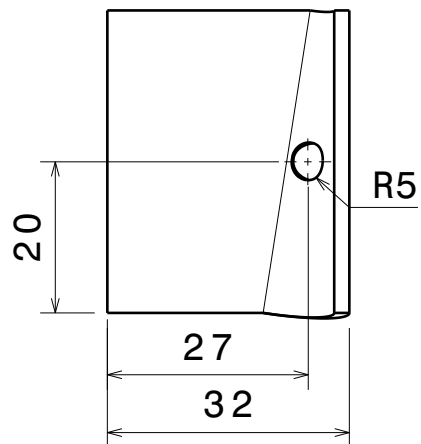
4

3

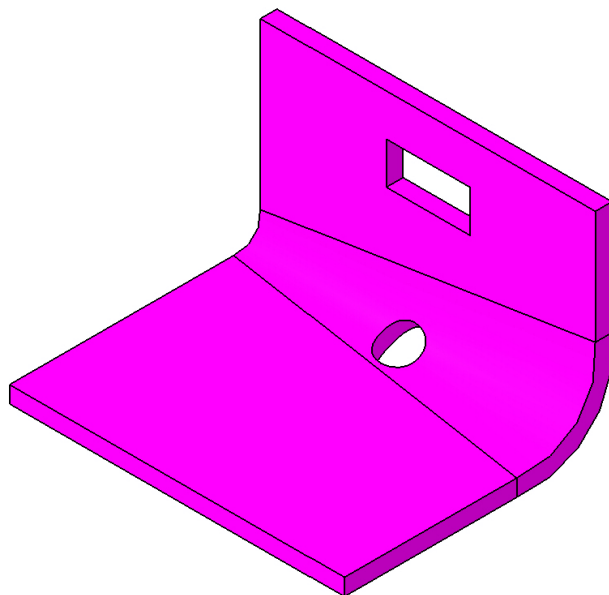
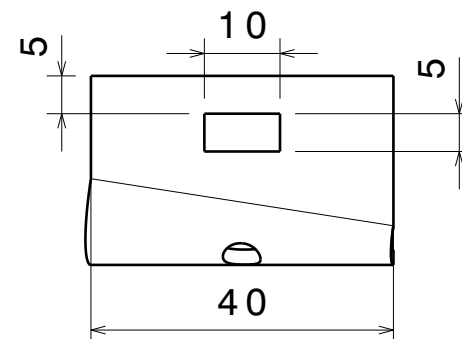
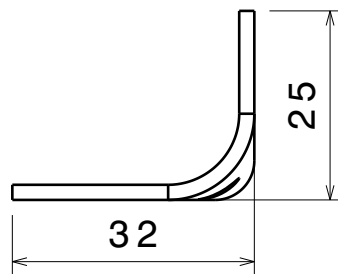
2

1

Sheet Thickness: 2mm



Isometric view

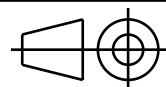


DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 04

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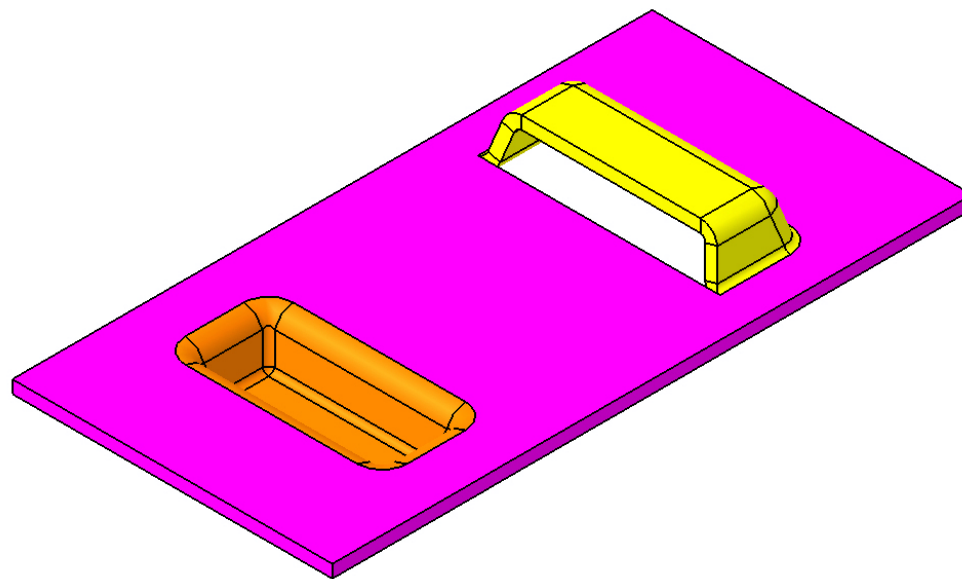
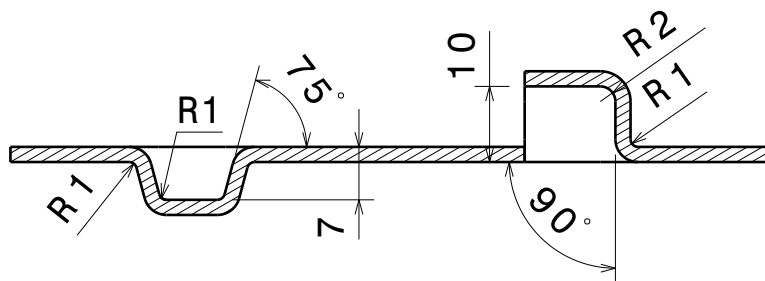
SHEET

1 / 1

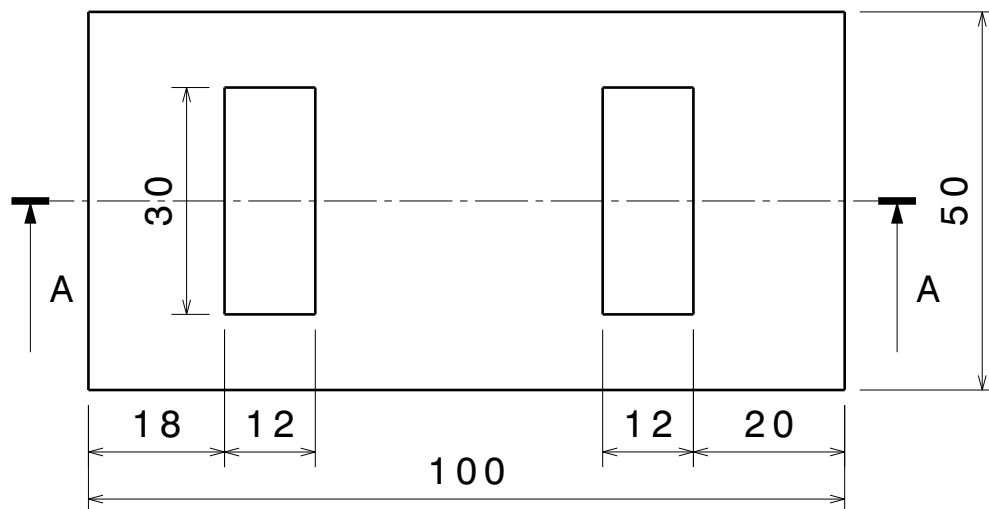
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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

Section view A-A



Sheet Thickness: 2mm



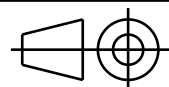
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 05

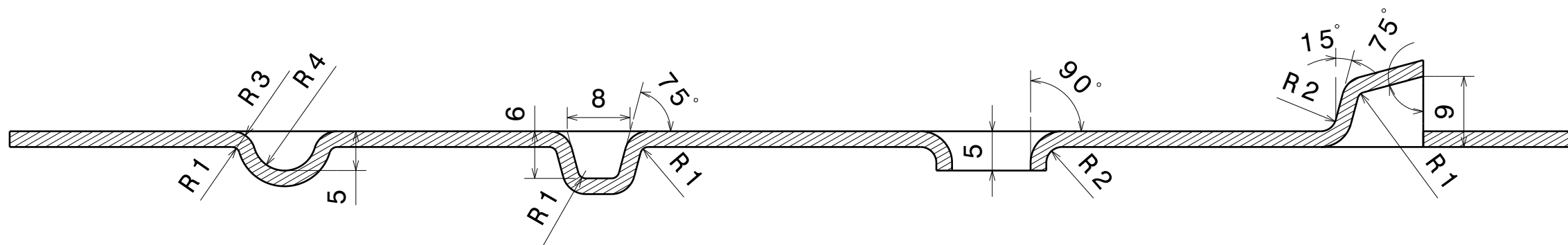
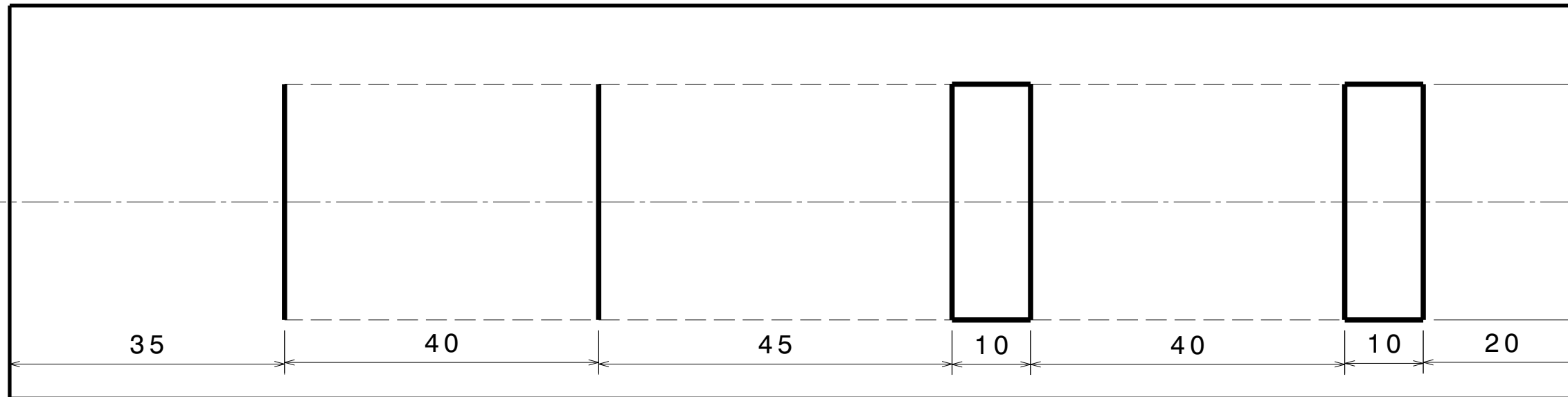
engineeringcadcamcae2018@gmail.com

SHEET

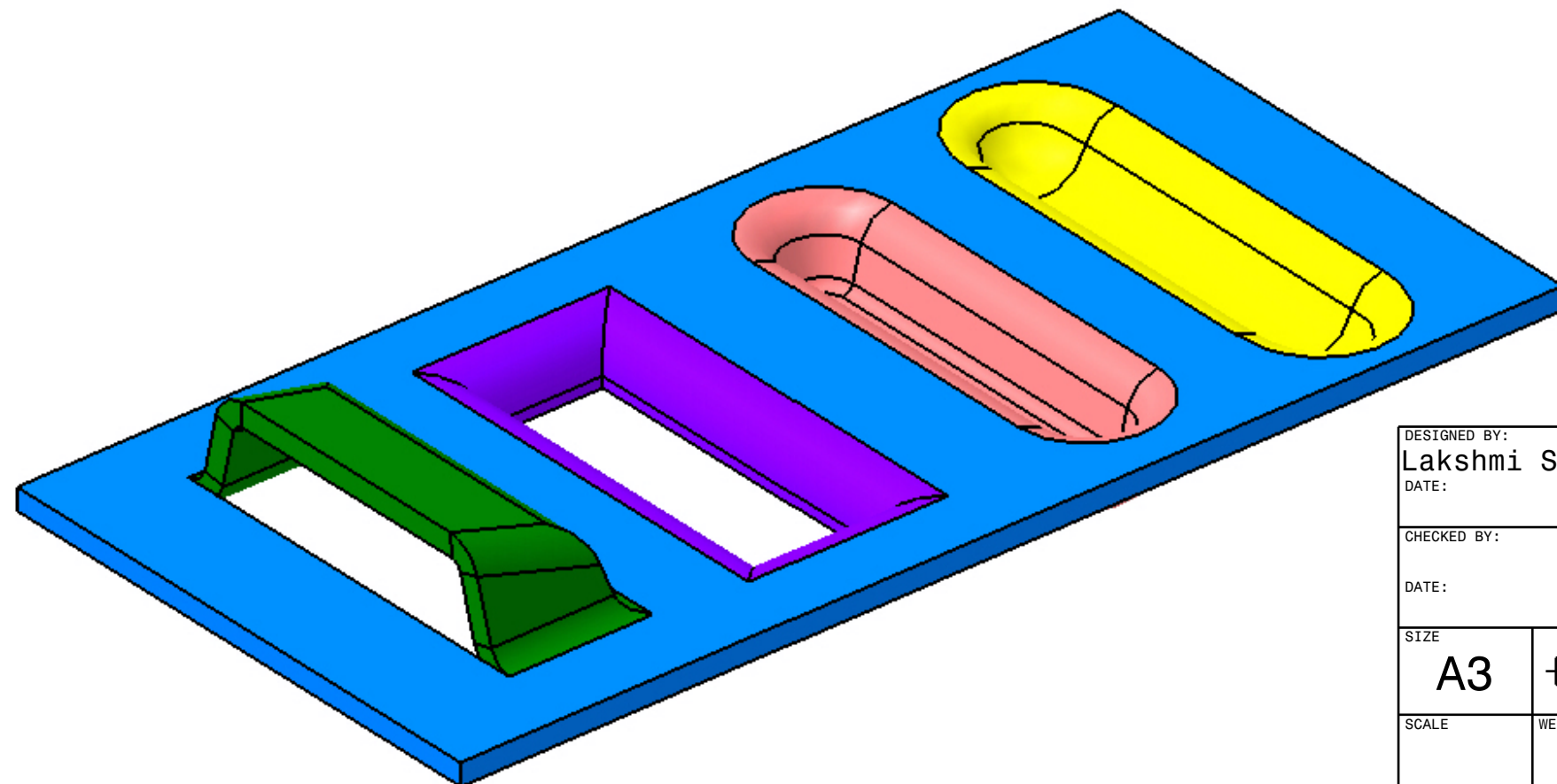
1 / 1

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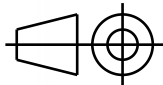
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



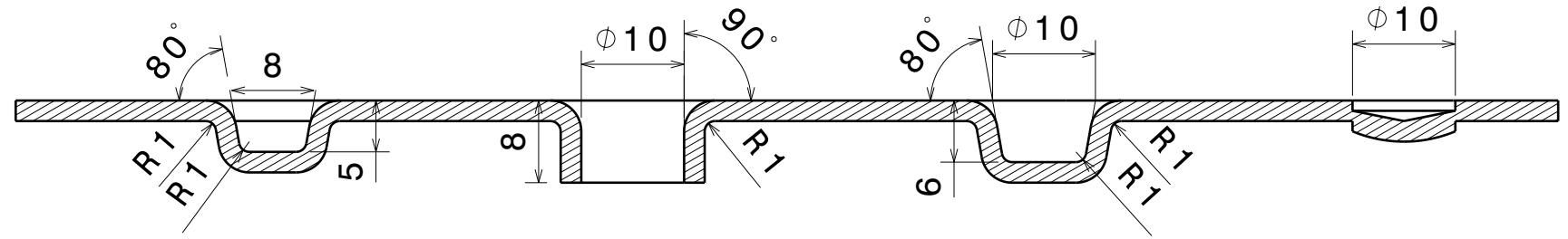
Section view A-A



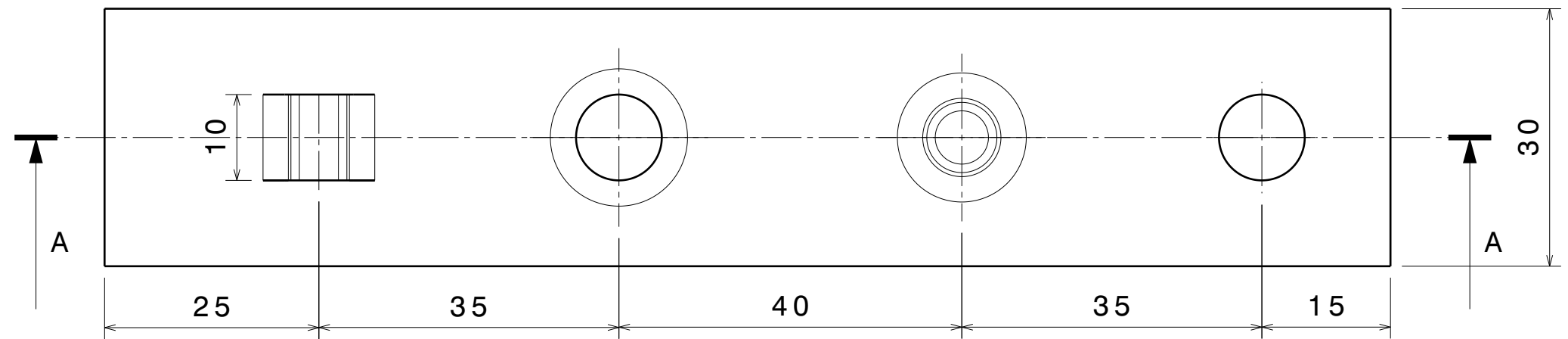
Sheet Thickness: 2mm

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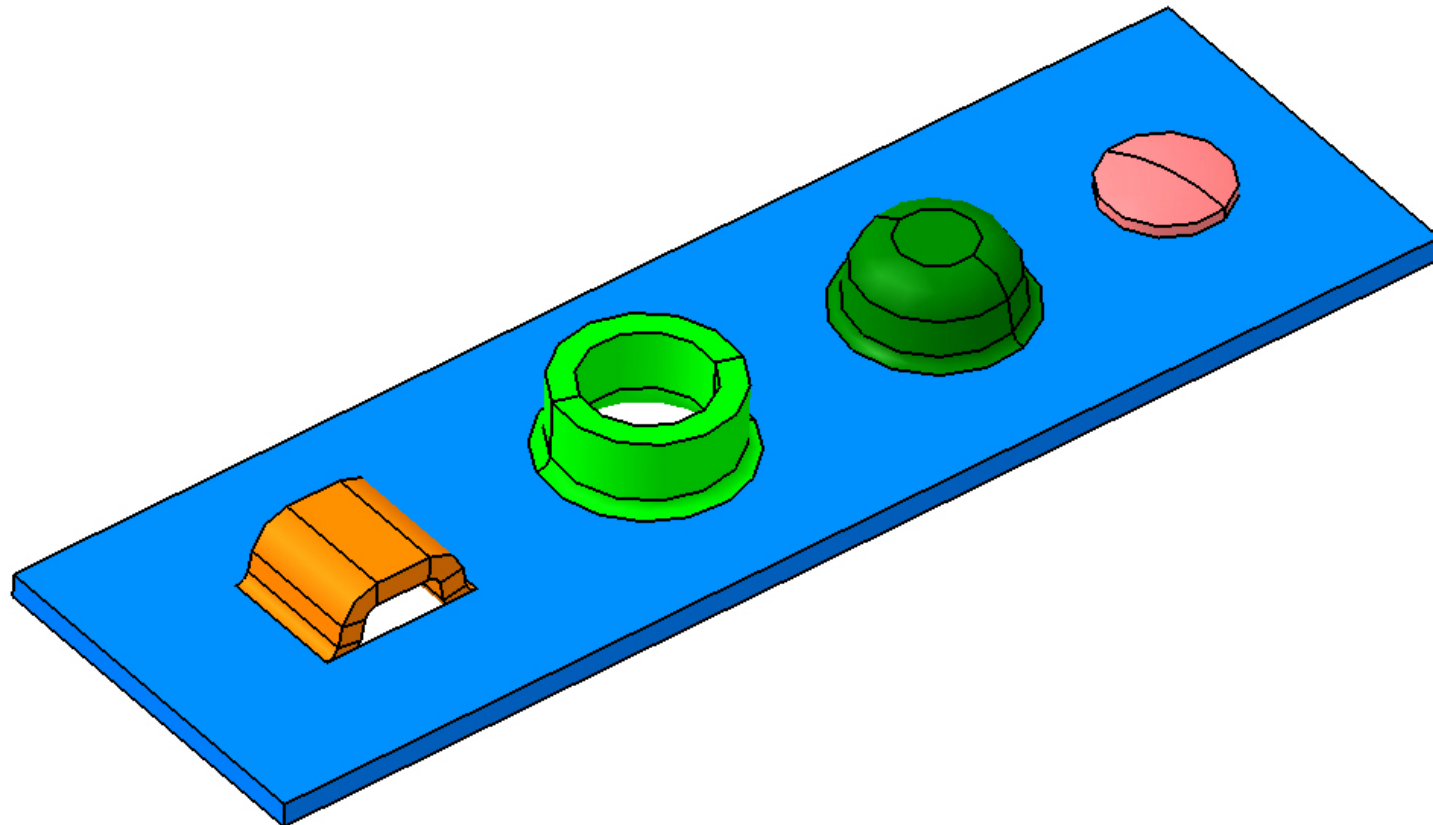
This drawing is our property; it can't be reproduced or communicated without our written agreement.

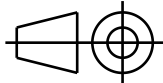


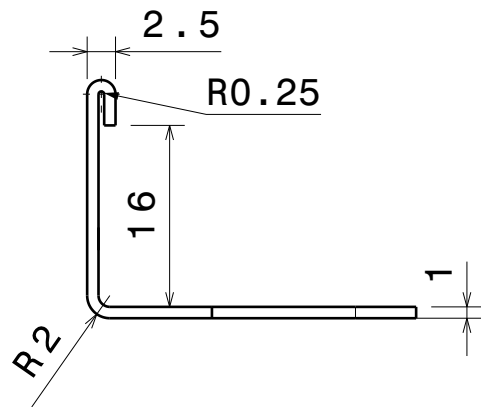
Section view A-A



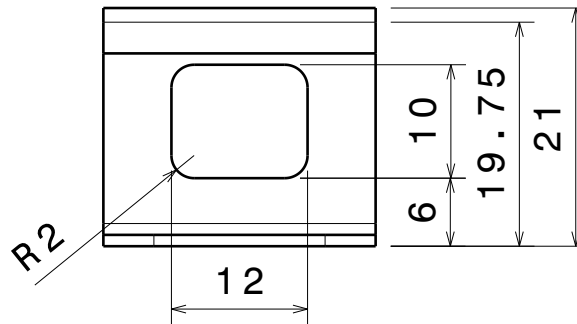
Top view



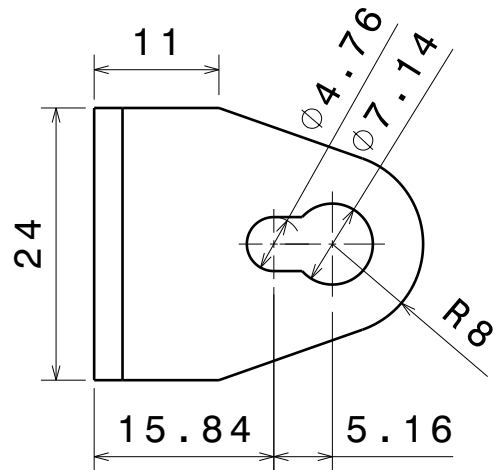
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A3		SHEETMETAL EXERCISE - 07	F	—
SCALE	WEIGHT (kg)		E	—
engineeringcadcamcae2018@gmail.com			D	—
			C	—
			B	—
			A	—
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Front view

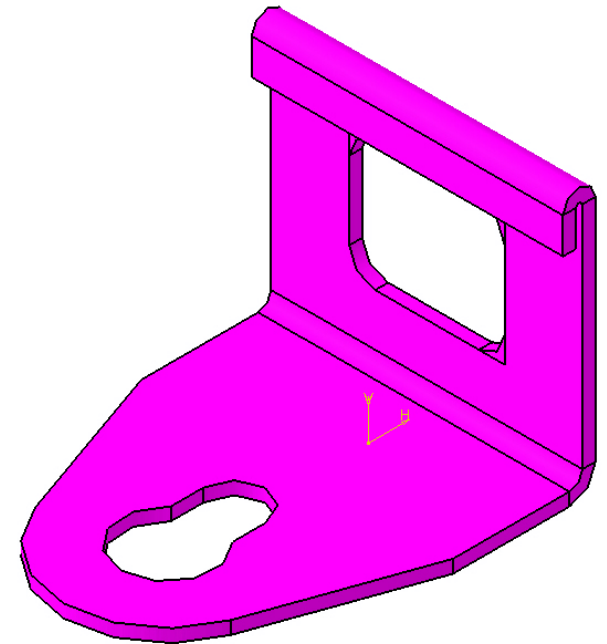


Right view



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

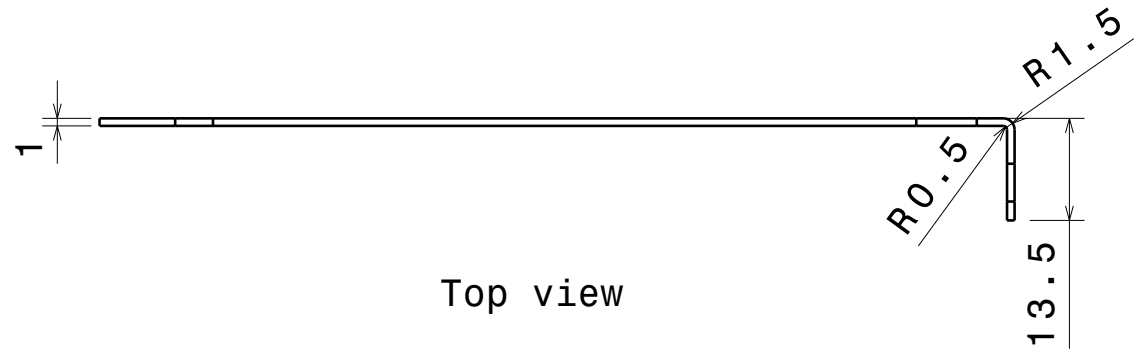
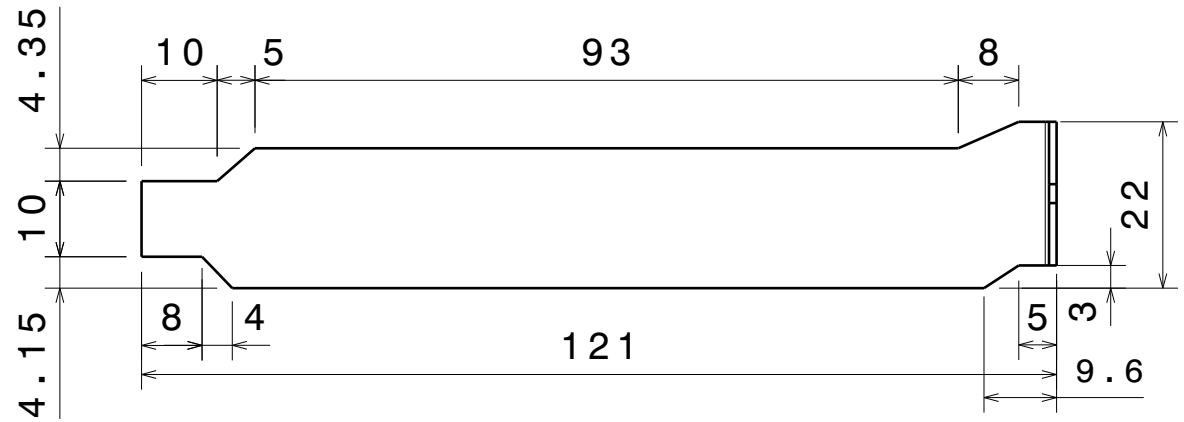
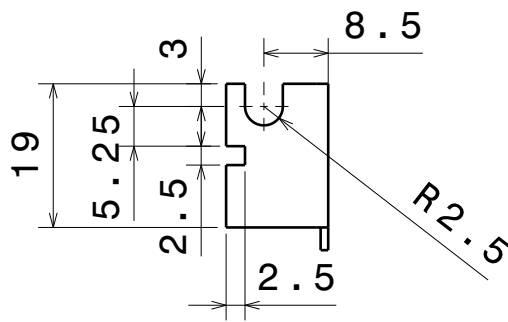
engineeringcadcamcae2018@gmail.com

SHEET

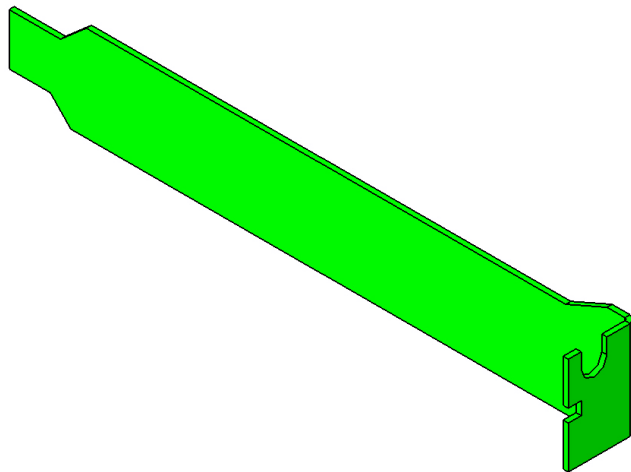
1 / 1

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



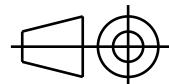
Sheet Thickness: 1mm



DESIGNED BY:
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DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE WEIGHT (kg)

ENGINEERING CAD CAM CAE

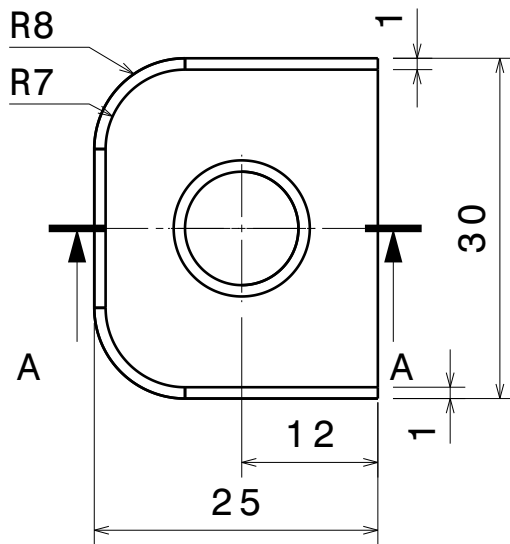
SHEETMETAL EXERCISE - 09

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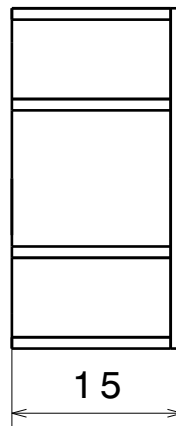
SHEET
1 / 1

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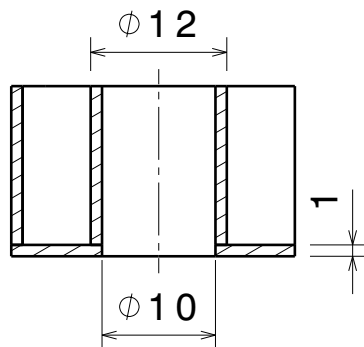
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Front view

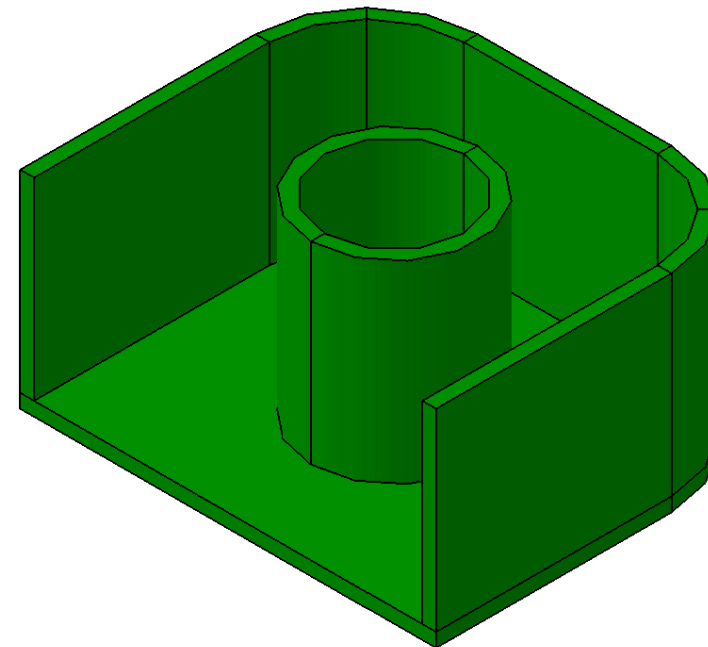


Right view



Section view A-A

Sheet Thickness: 1mm



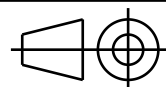
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 10

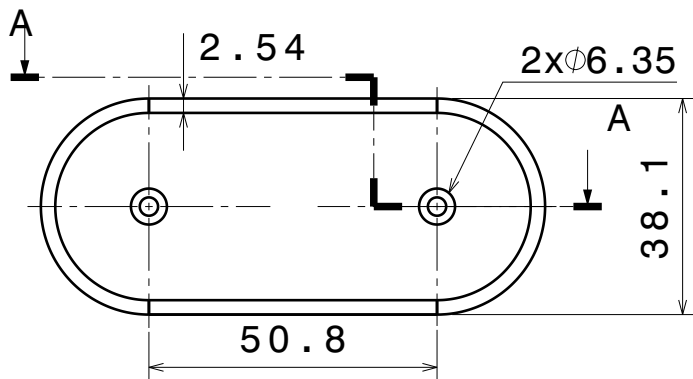
engineeringcadcamcae2018@gmail.com

SHEET

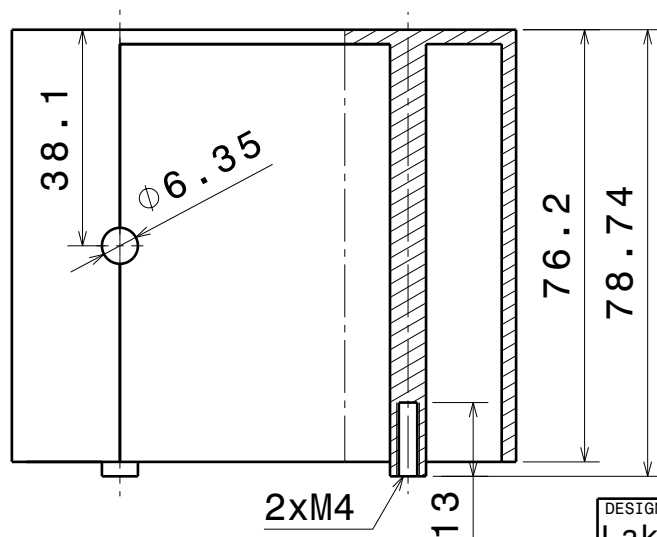
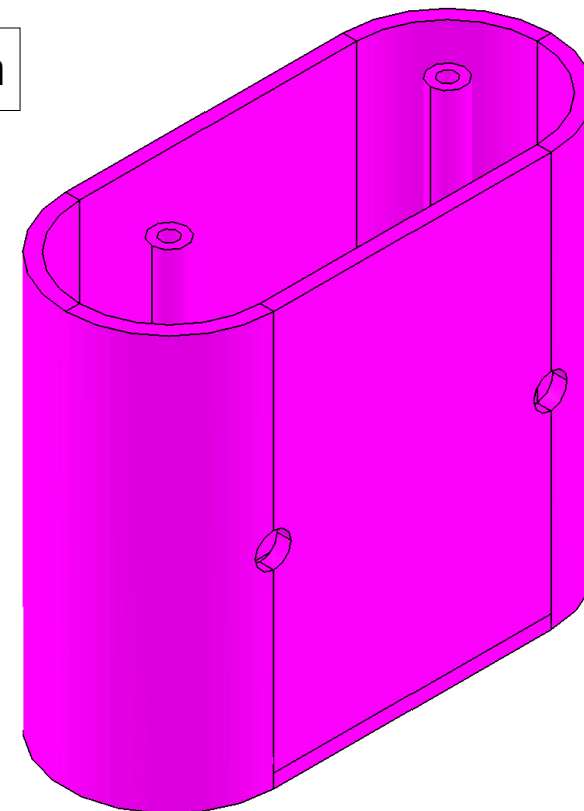
1 / 1

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



Sheet Thickness: 2.54mm

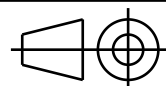


Section view A-A

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

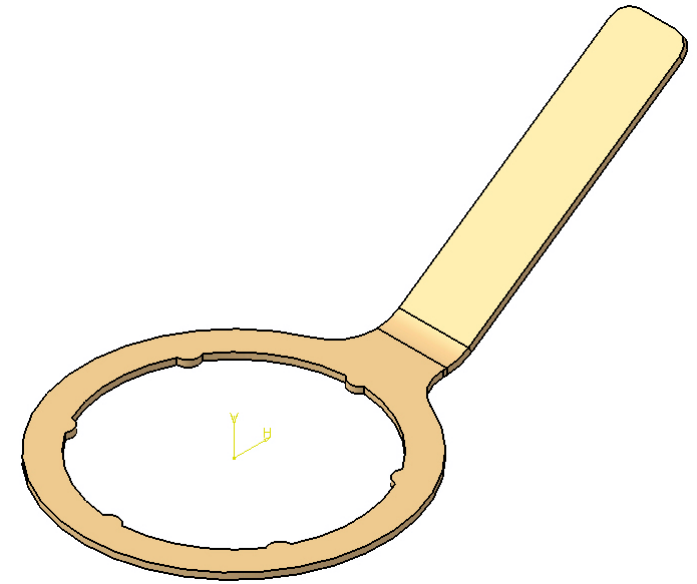
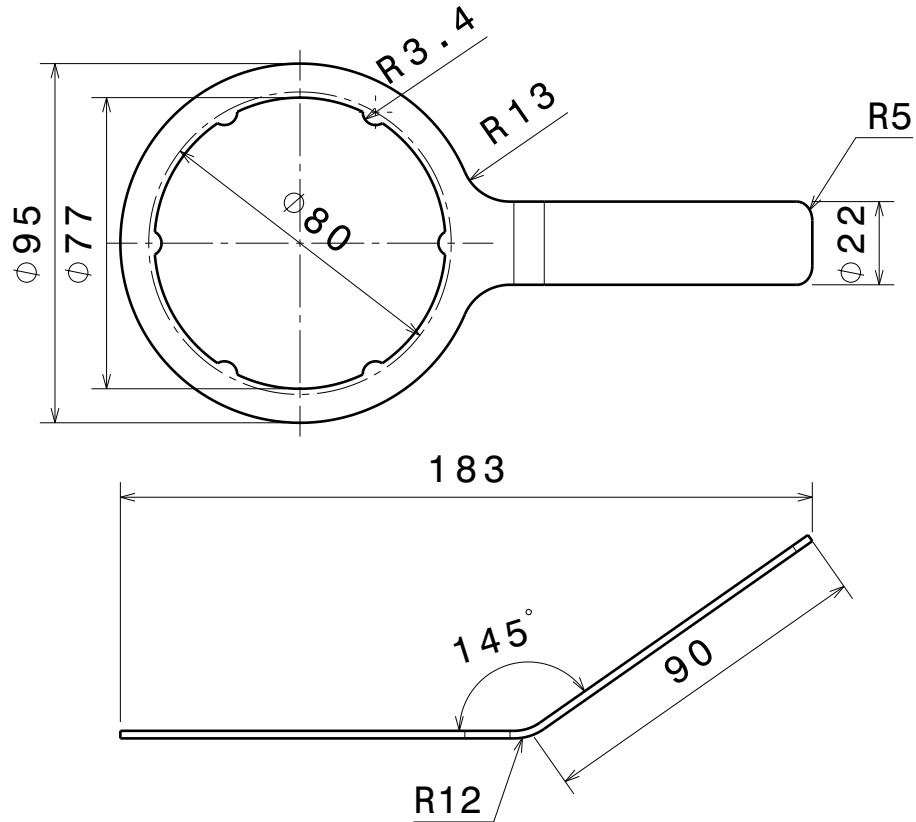
SHEETMETAL EXERCISE - 11

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SHEET
1 / 1

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



Sheetmetal Thickness: 2mm

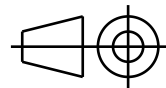
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 12

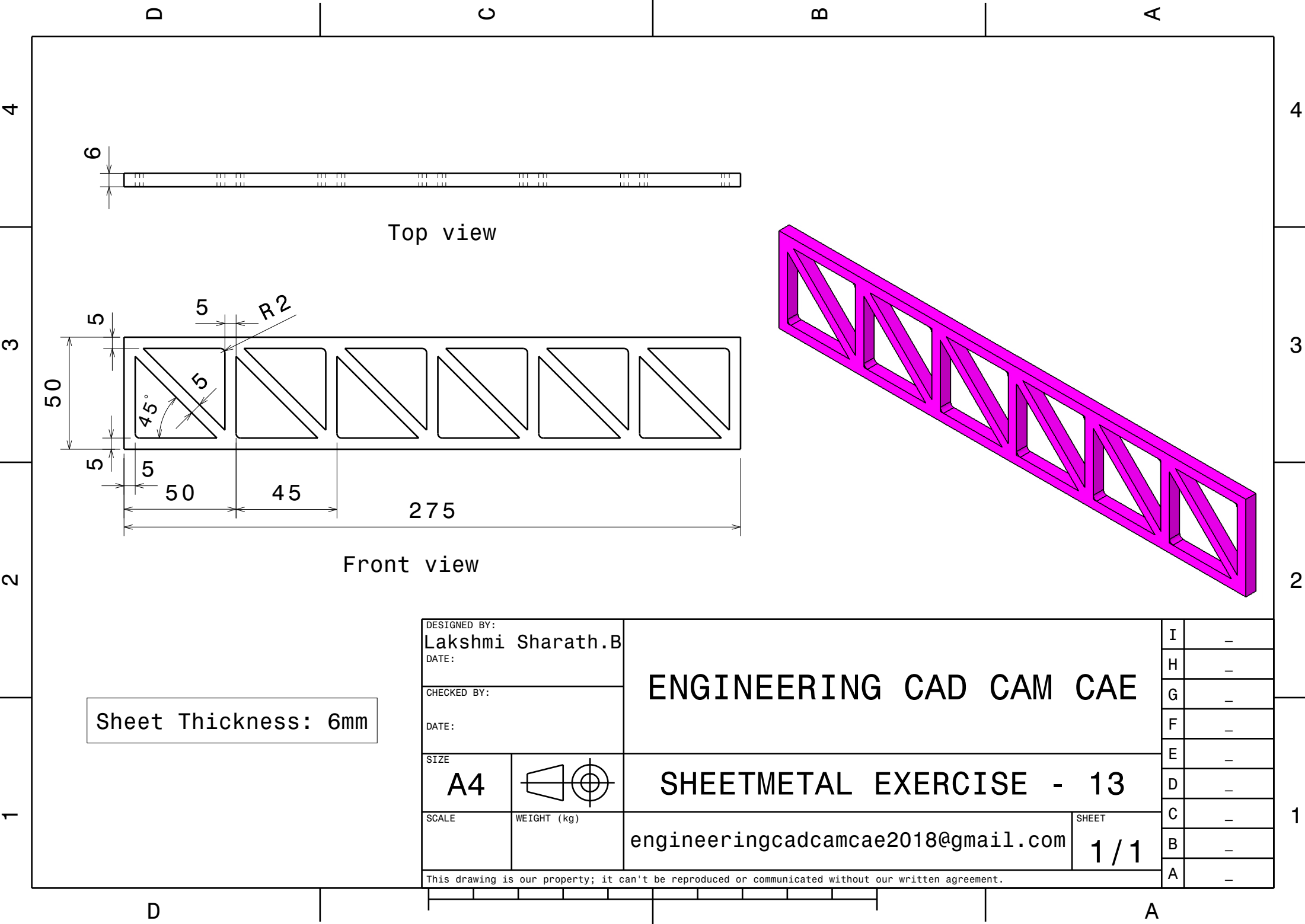
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SHEET

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

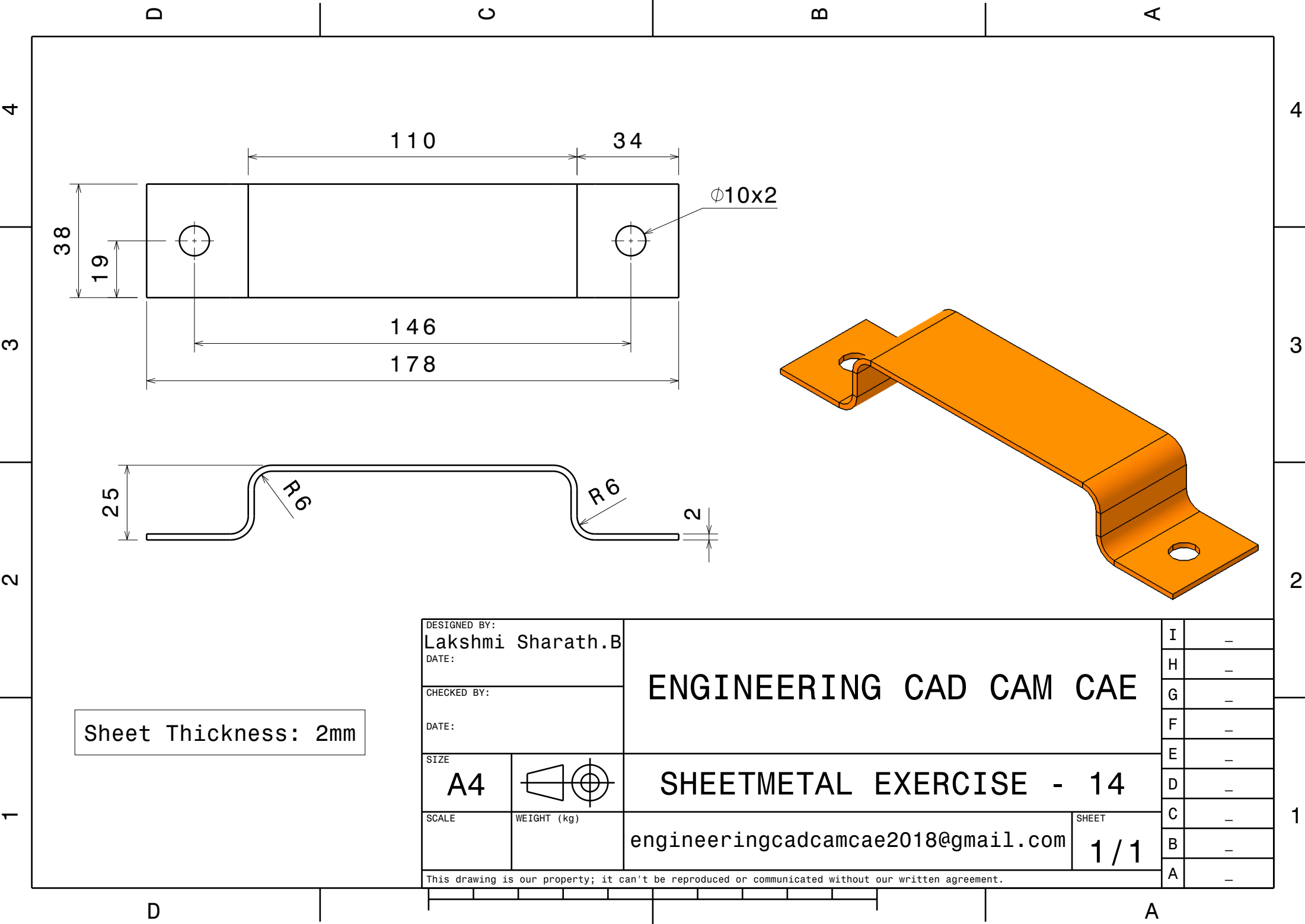
SHEETMETAL EXERCISE - 13

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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

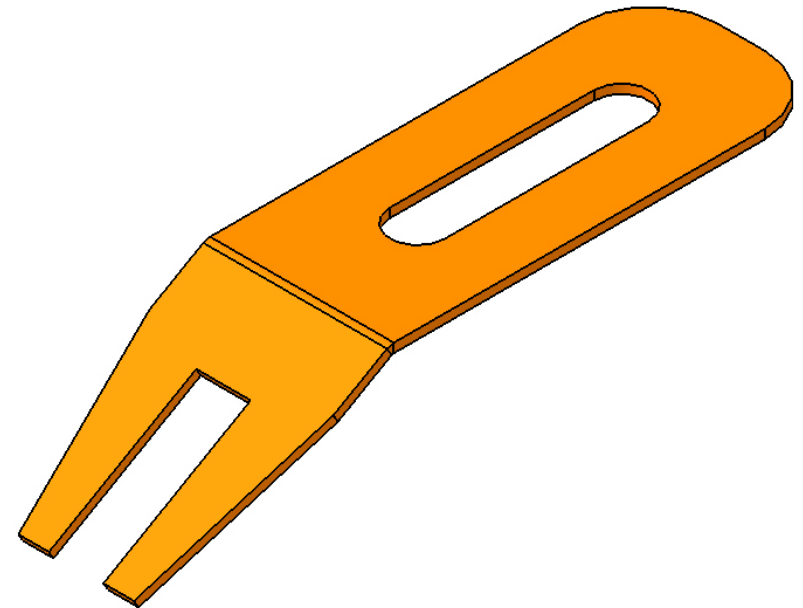
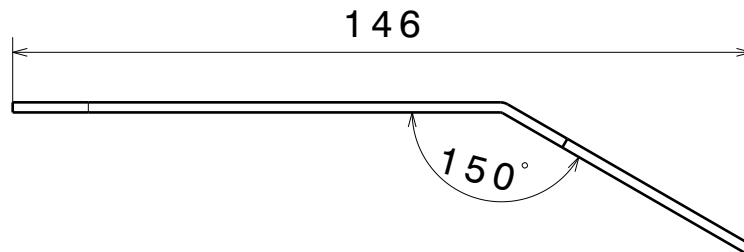
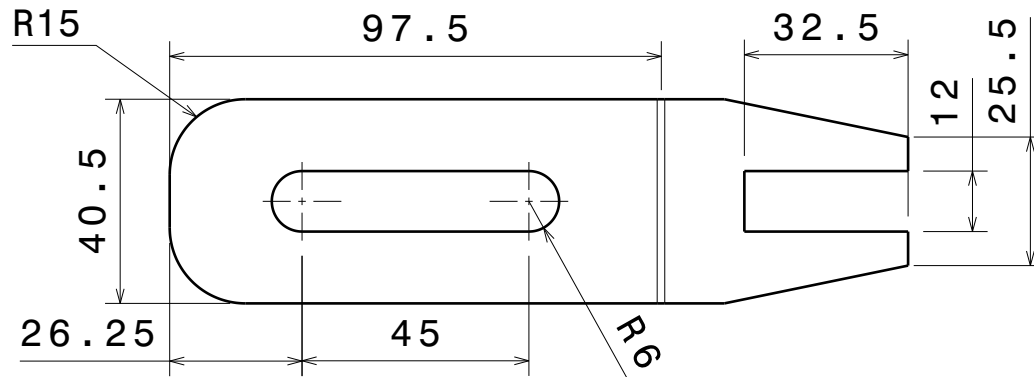
SHEETMETAL EXERCISE - 14

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SHEET
1 / 1

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



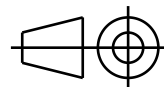
Sheet Thickness: 2mm
Bend Radius: 1mm

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 15

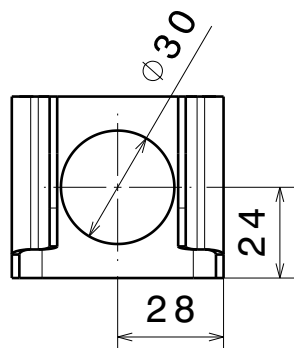
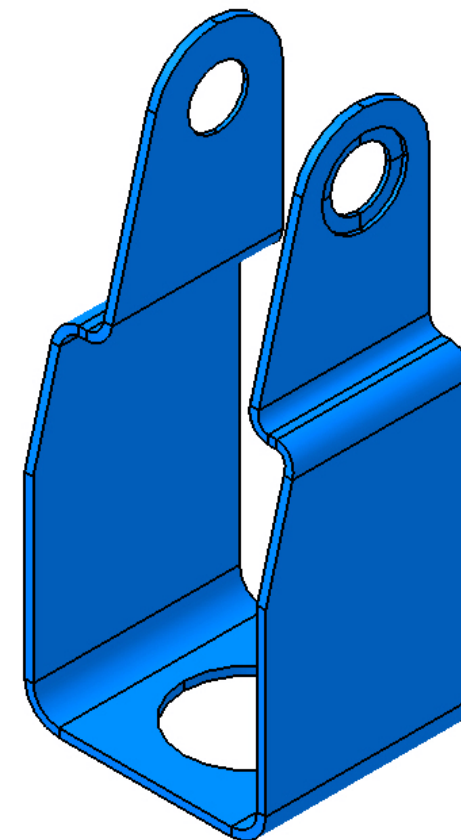
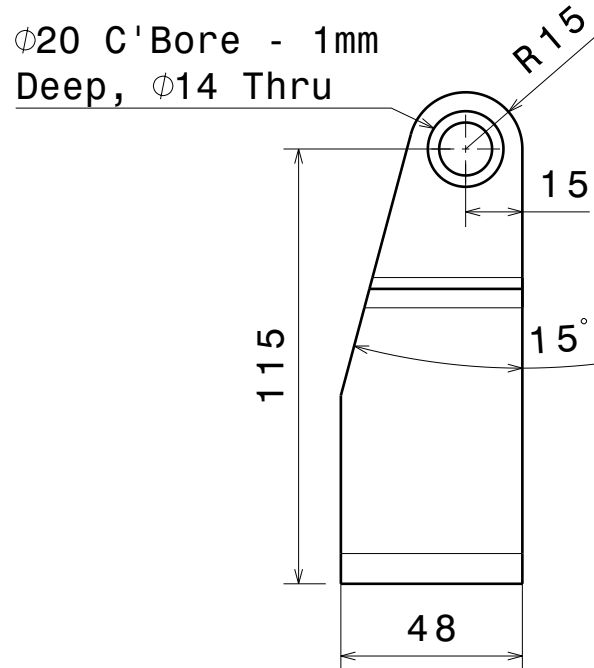
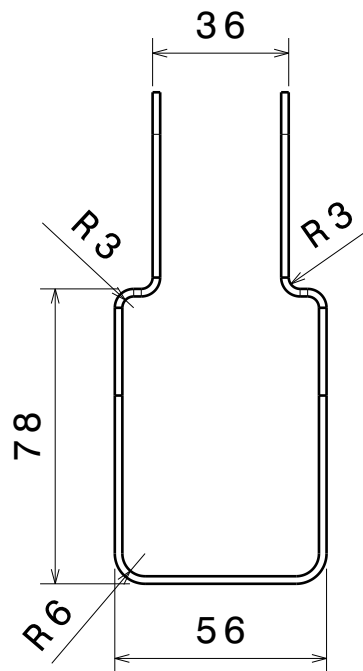
engineeringcadcamcae2018@gmail.com

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

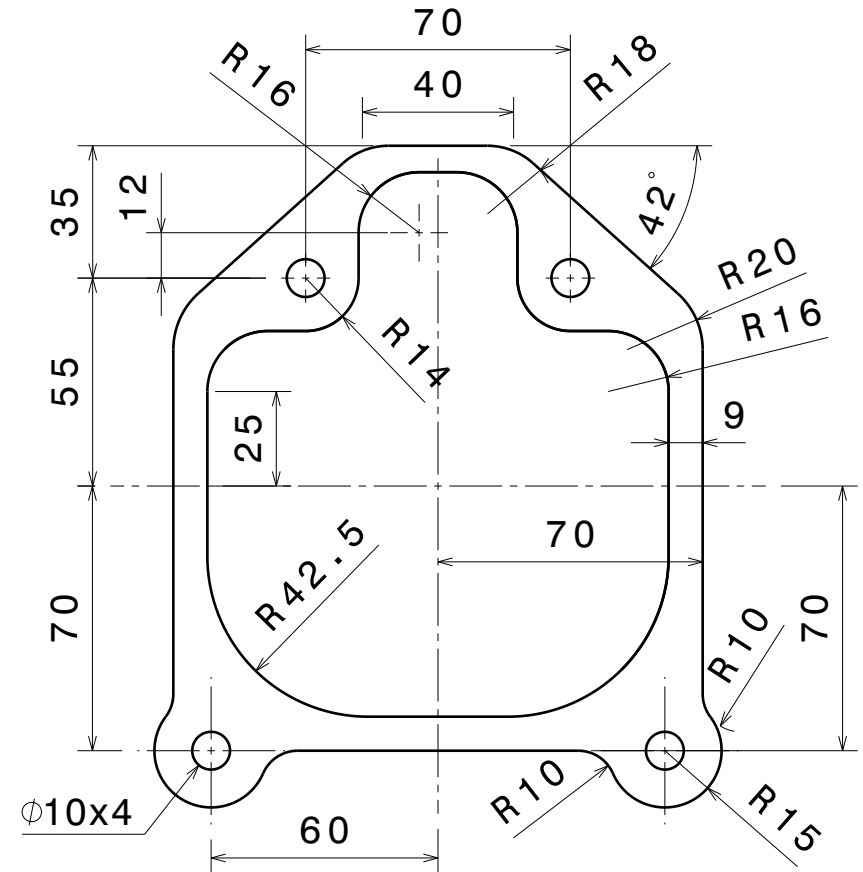
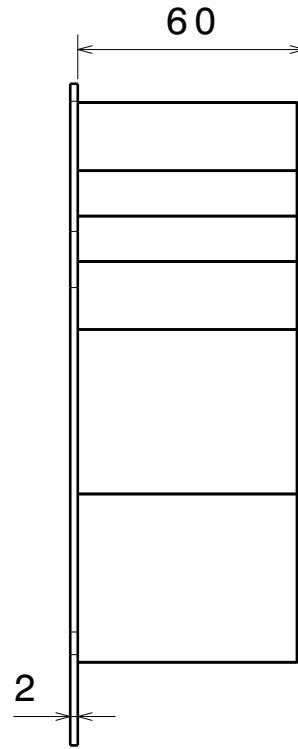
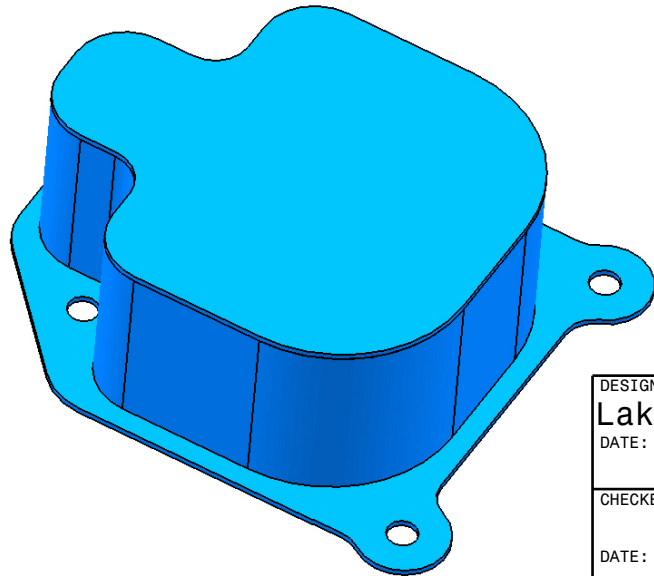
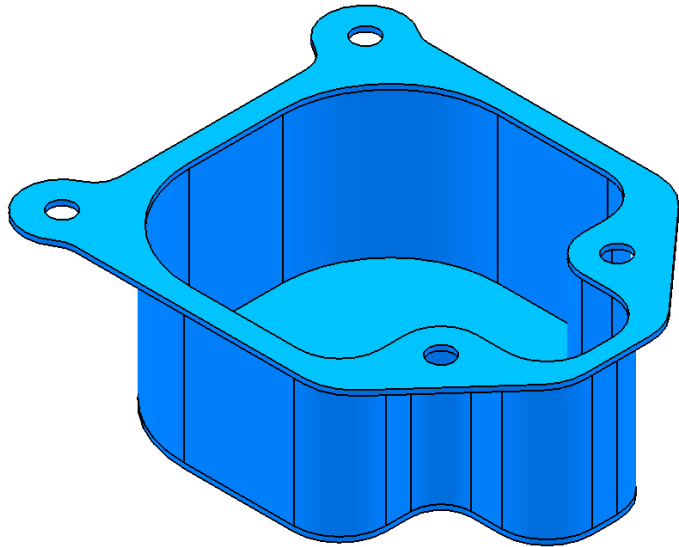
SHEETMETAL EXERCISE - 16

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SHEET
1 / 1

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



Sheet Thickness: 2mm

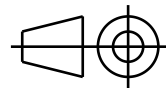
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 17

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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

D

C

B

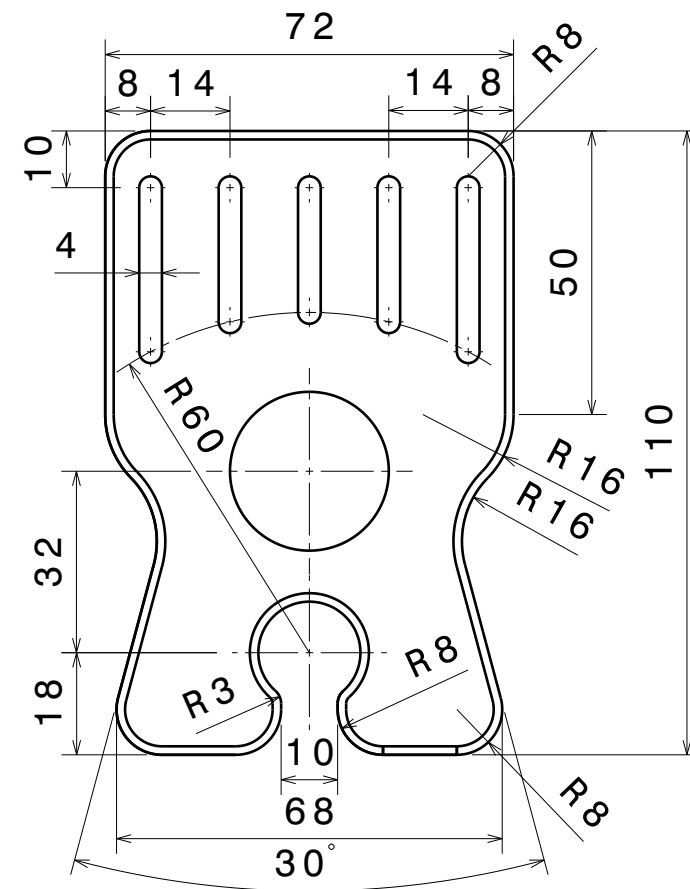
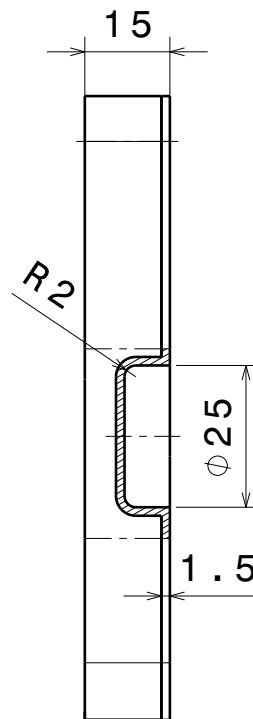
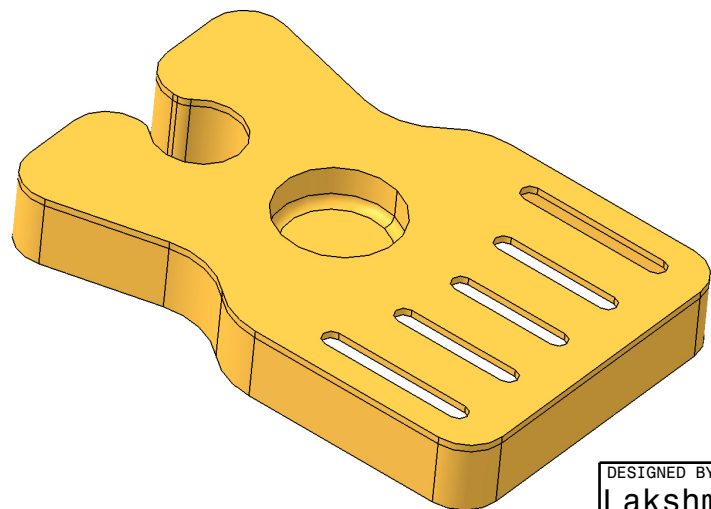
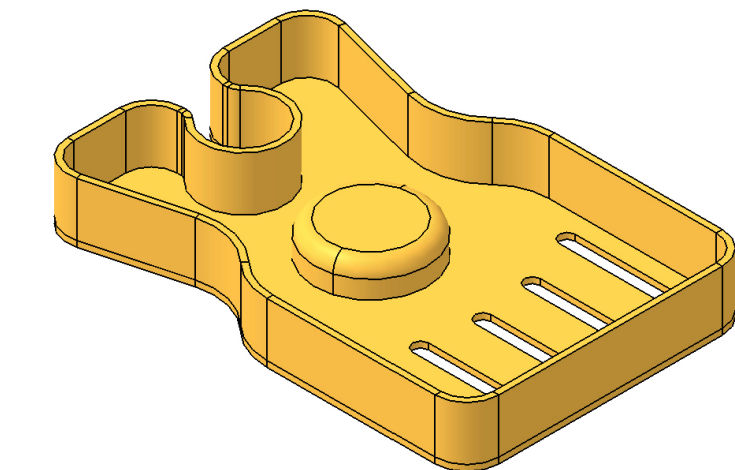
A

4

3

2

1



Sheet Thickness: 1.5 mm

DESIGNED BY:
Lakshmi Sharath.B

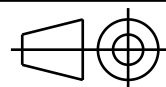
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

SHEETMETAL EXERCISE - 18

engineeringcadcamcae2018@gmail.com

SHEET

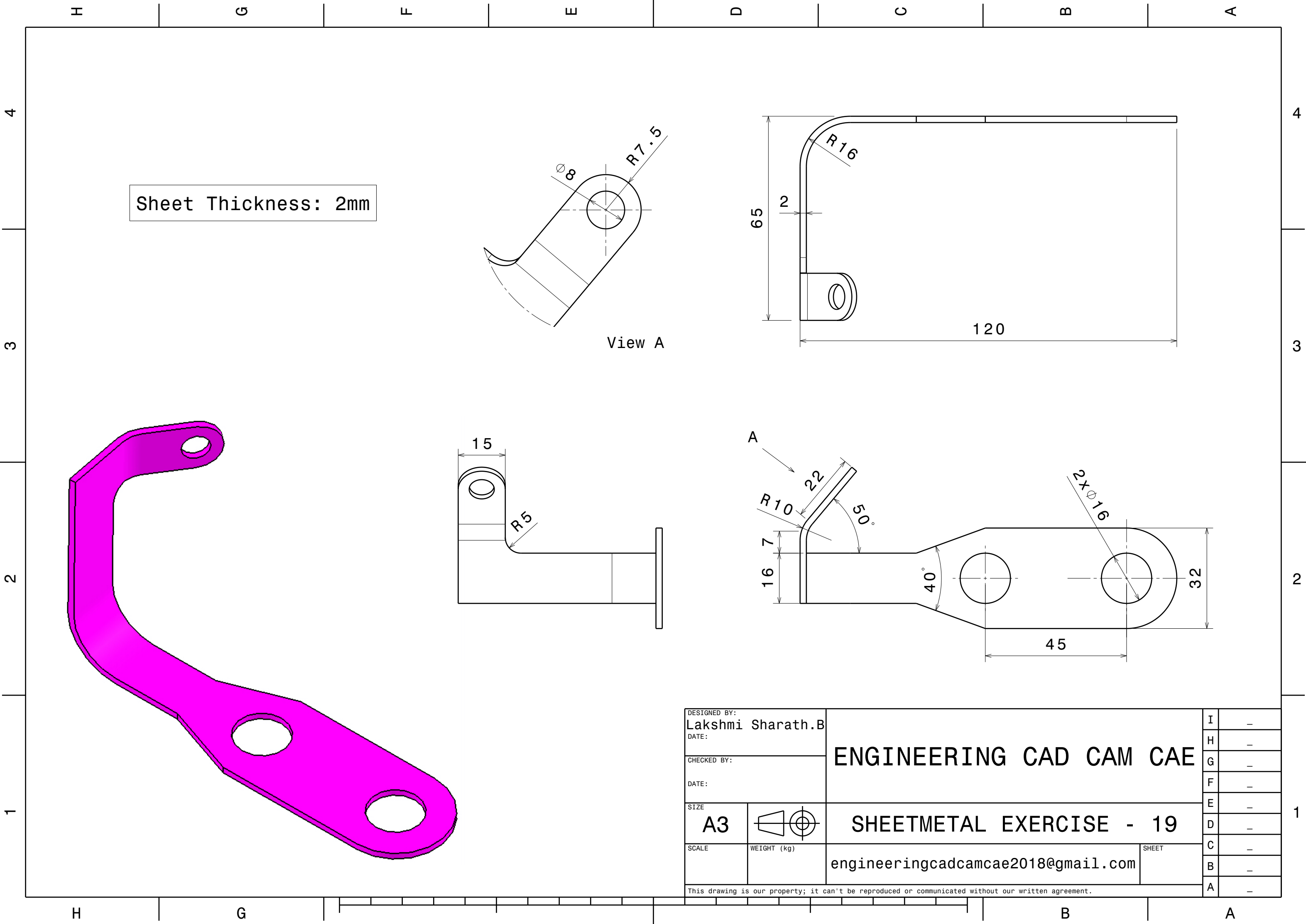
1 / 1

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

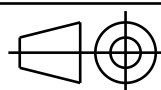
D

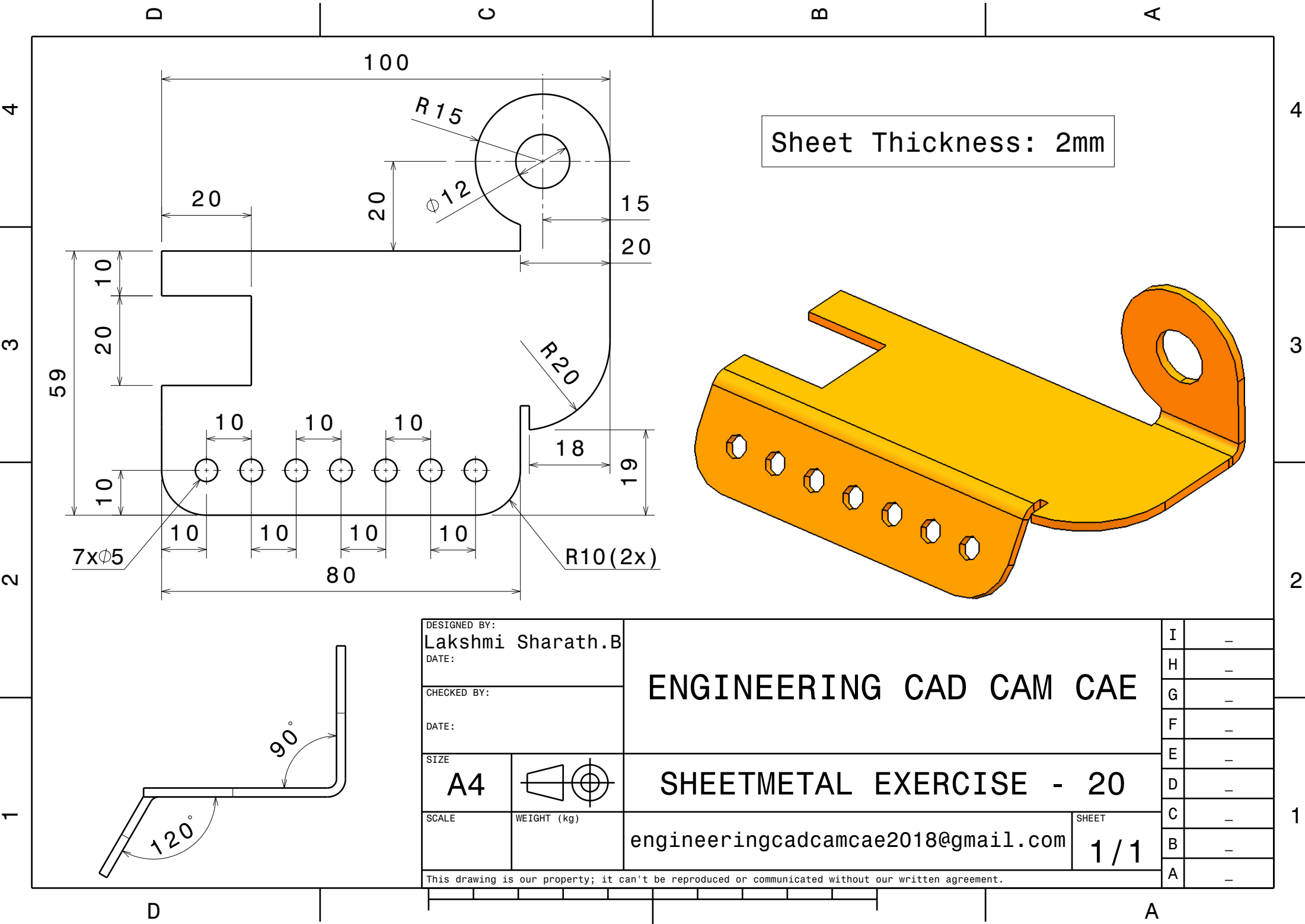
A



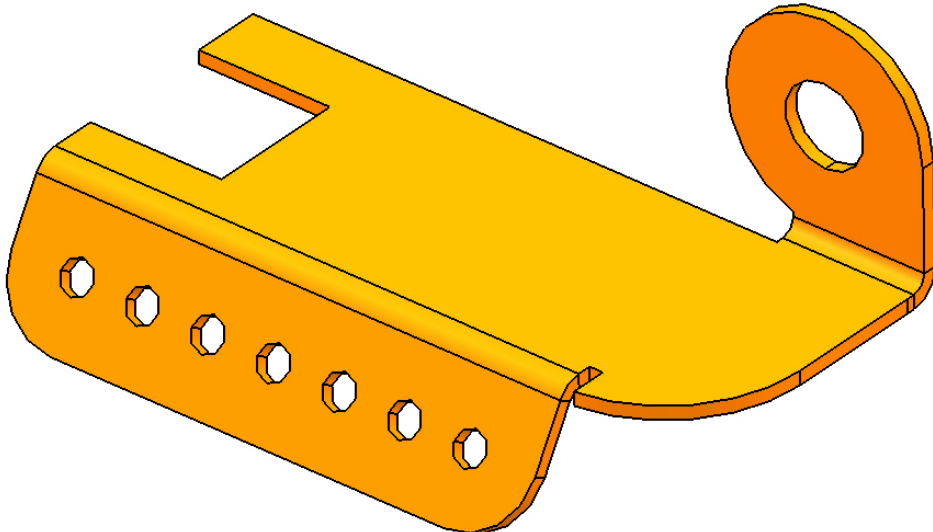
Sheet Thickness: 2mm

View A

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

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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

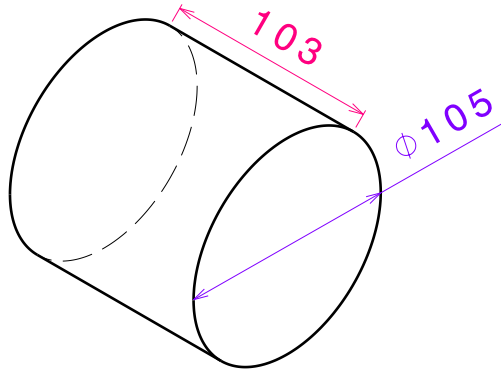
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ENGINEERING CAD CAM CAE

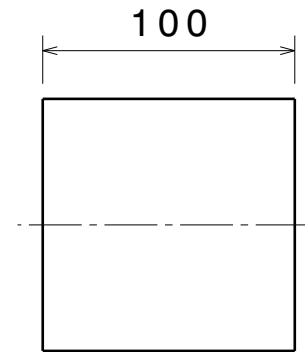
(A Professional Training Institute)

CAM – Turning Practice Drawings

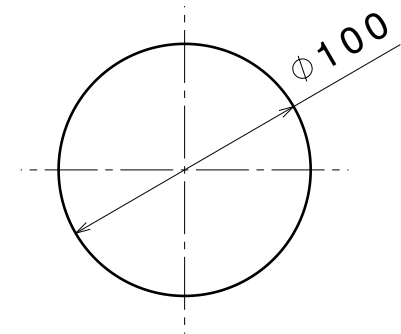
Stock Description: $\phi 105 \times 103$



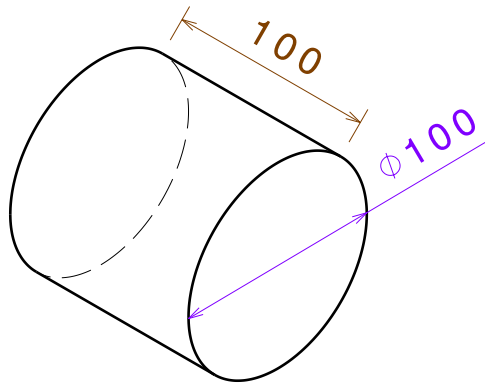
Stock Isometric View



Right view



Front view



Part Isometric view

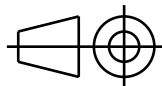
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - FACING

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	-
H	-
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A	-

D

C

B

A

4

4

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3

2

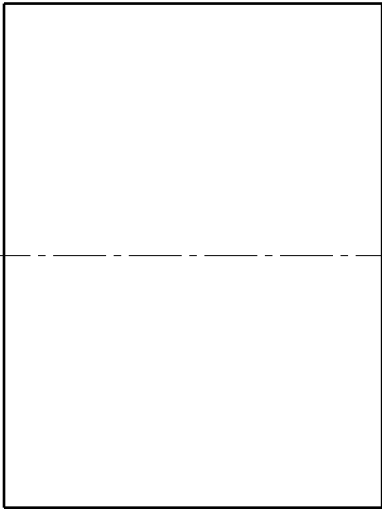
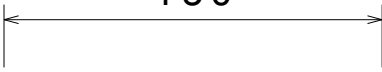
2

1

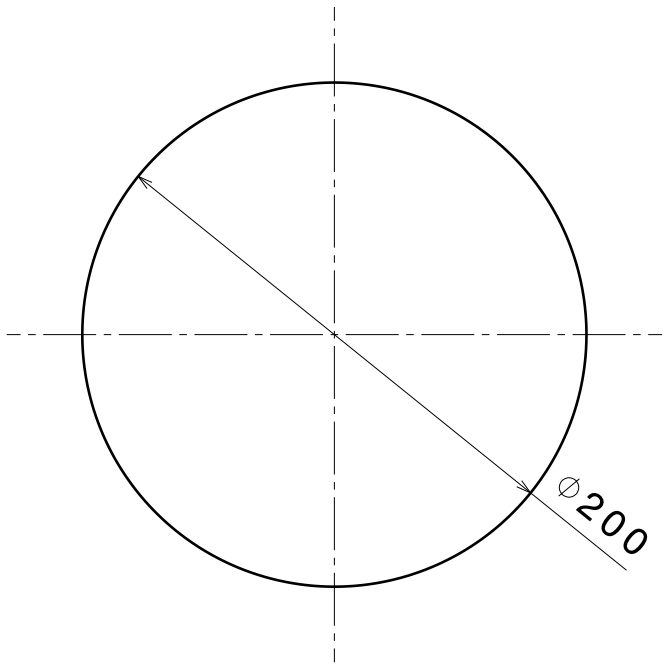
1

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

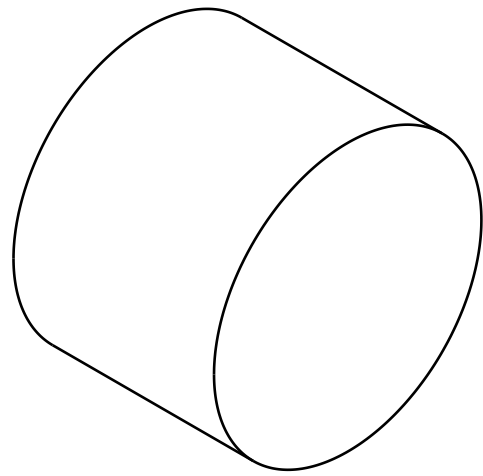
150



Right view



Front view



Isometric view

DESIGNED BY:
Lakshmi Sharath.B

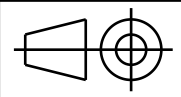
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD TURNING

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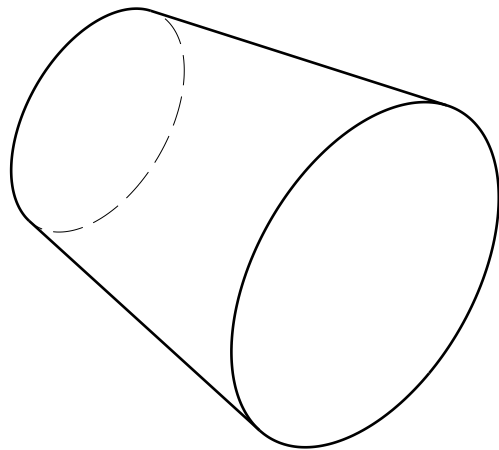
SHEET

1 / 1

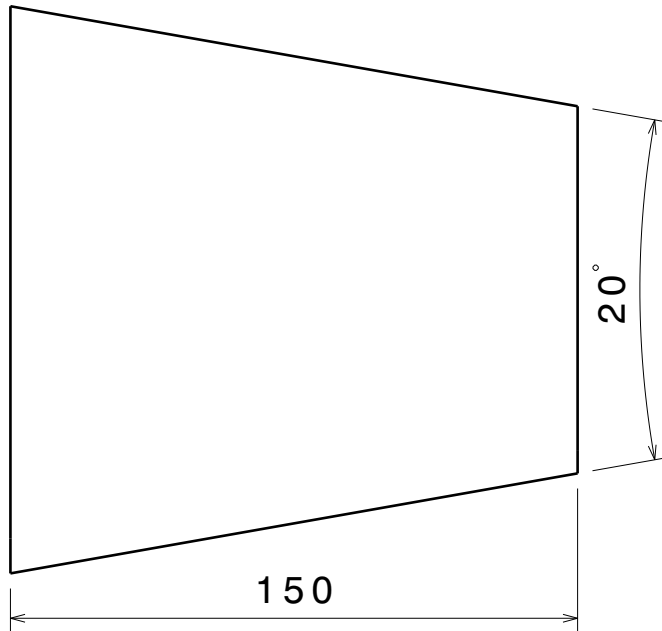
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
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A	-

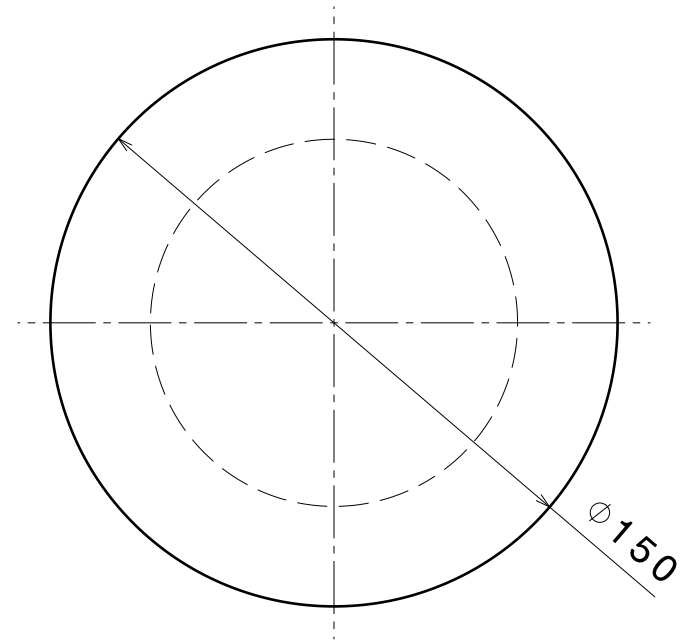
Stock Description:
Ø155x▽153



Isometric view



Right view



Front view

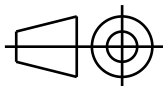
DESIGNED BY:
Lakshmi Sharath.B
DATE:

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

D

C

B

A

4

4

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3

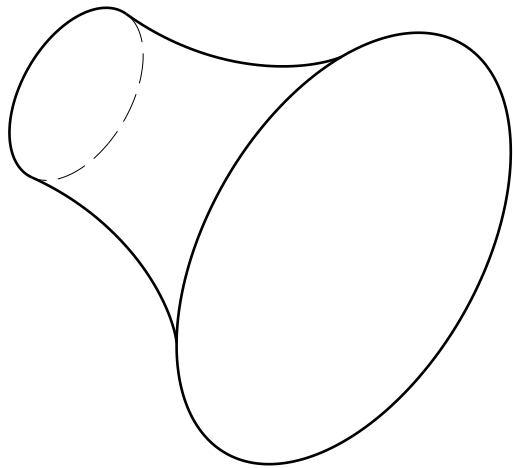
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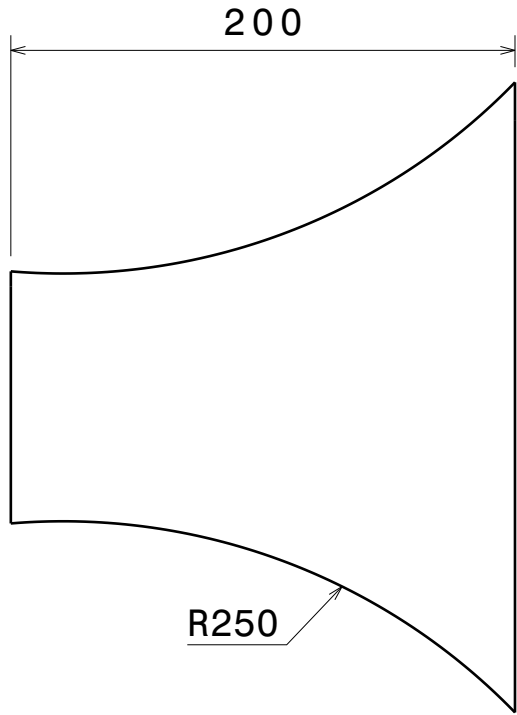
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1

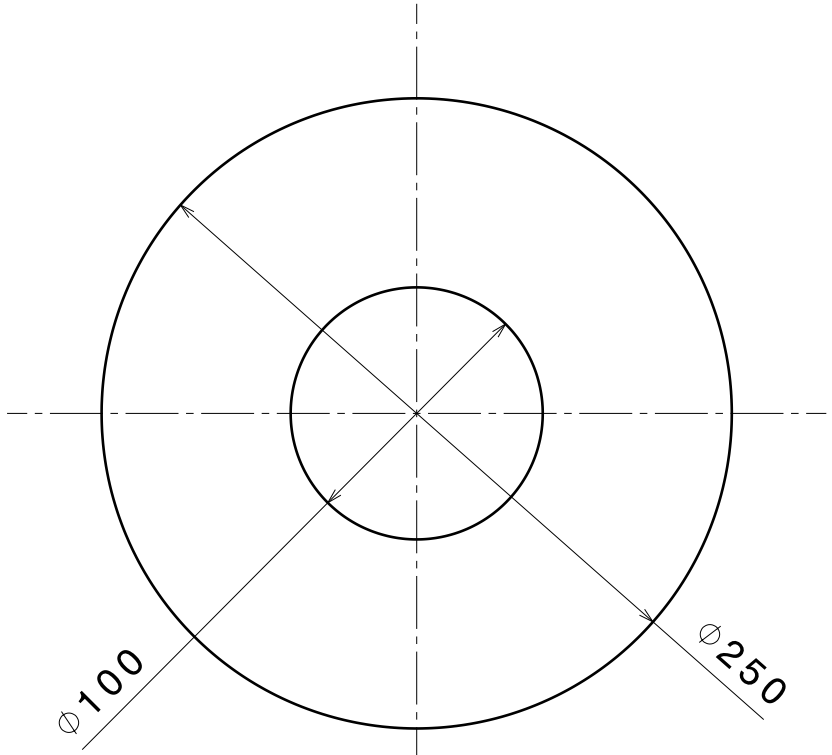
Stock Description:
Ø255x▽203



Isometric view



Right view



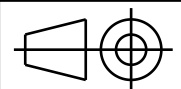
Front view

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	-
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A	-

D

C

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A

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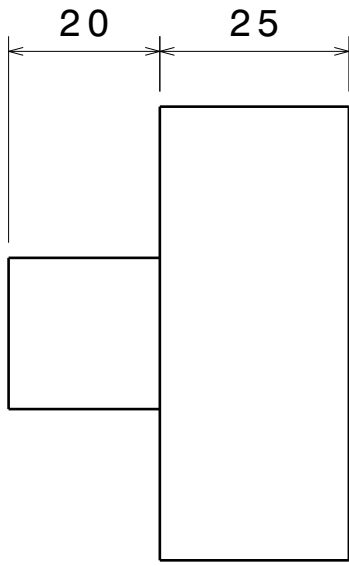
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2

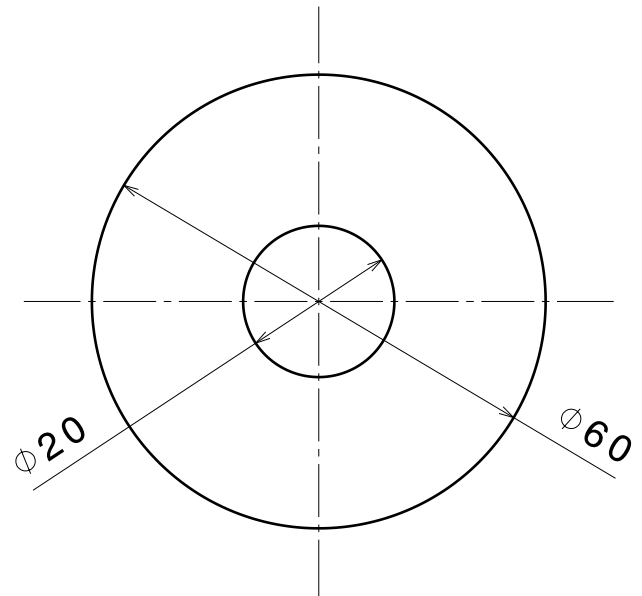
1

1

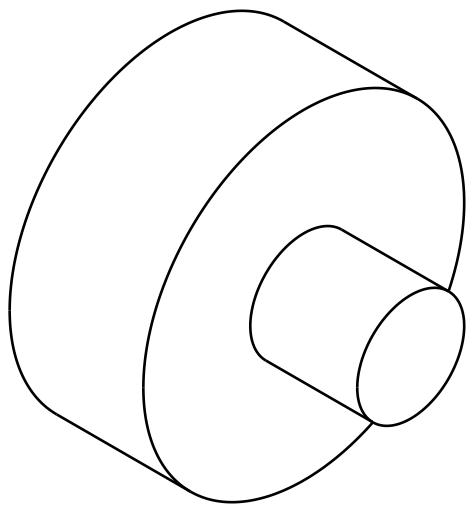
Stock Description: $\phi 65 \times \nabla 48$



Right view



Front view



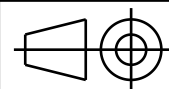
Isometric view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD STEP TURNING 1

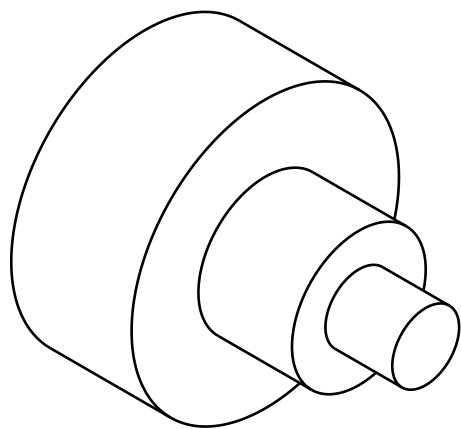
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SHEET
1 / 1

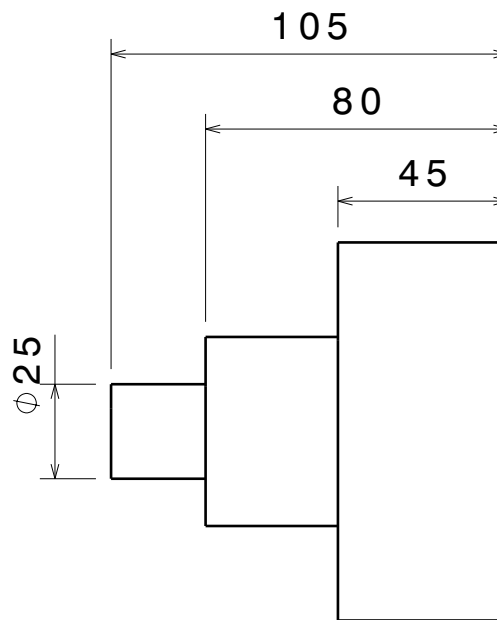
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
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A	-

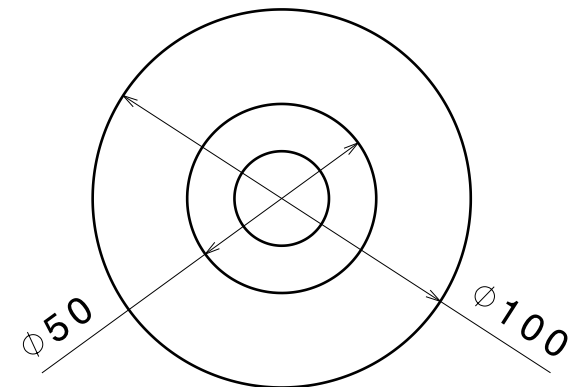
Stock Description: $\phi 105 \times \nabla 108$



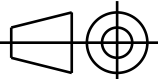
Isometric view



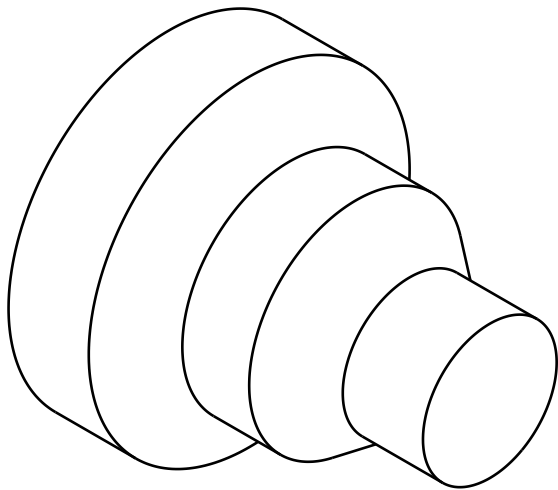
Right view



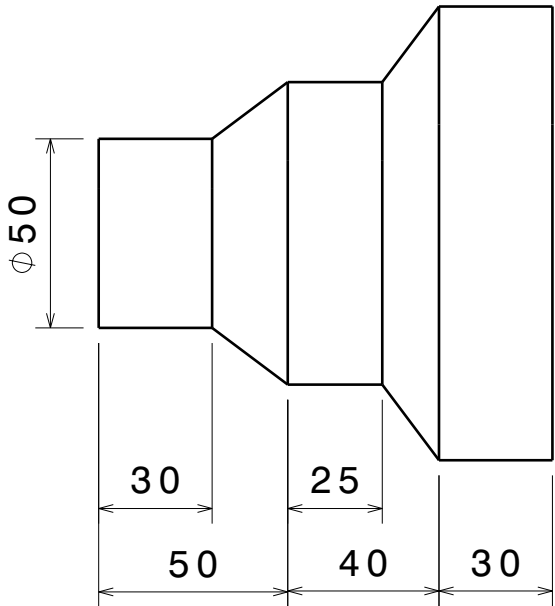
Front view

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

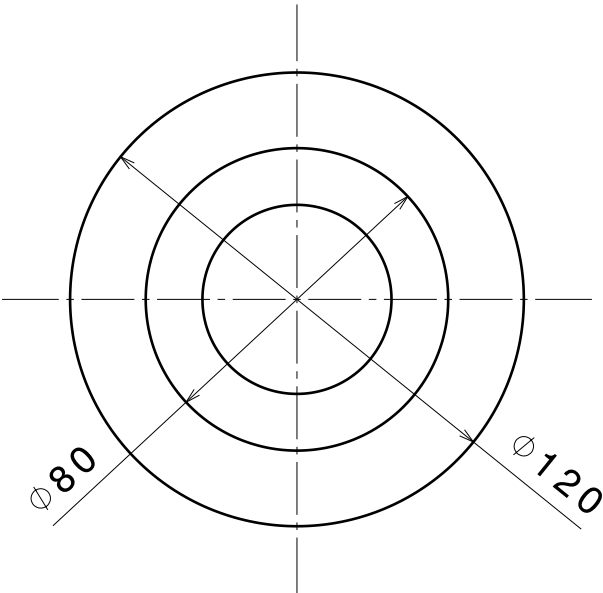
Stock Description: $\phi 125 \times \nabla 123$



Isometric view



Right view



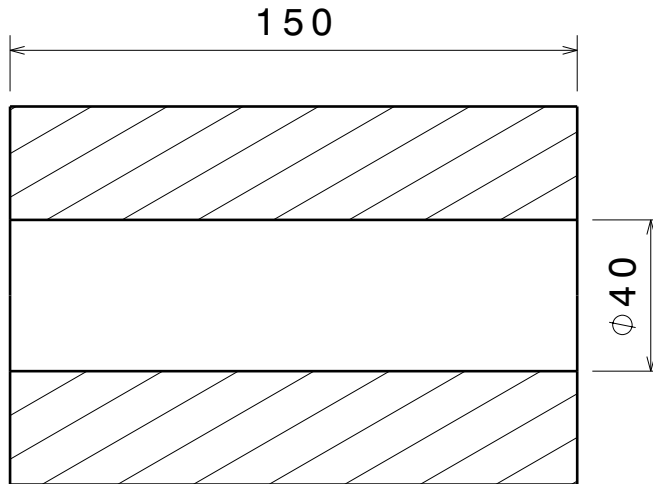
Front view

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

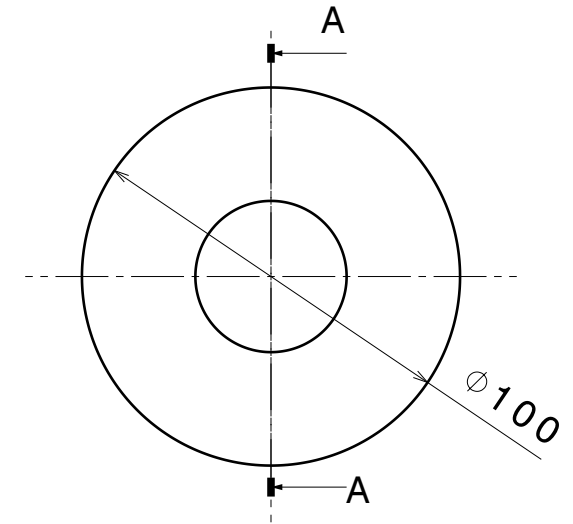
ENGINEERING CAD CAM CAE	
CAM TURNING EXERCISE - OD STEP TURNING 3	
engineeringcadcamcae2018@gmail.com	
1 / 1	

I	-
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C	-
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A	-

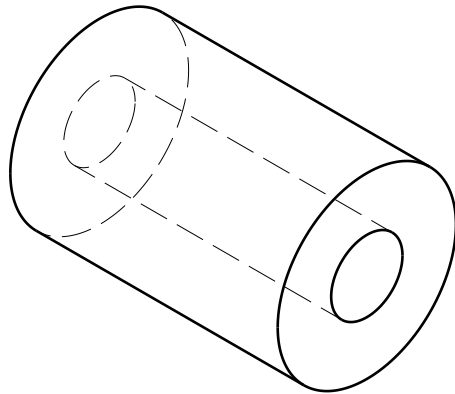
Stock Description: $\phi 105 \times \nabla 153$



Section view A-A



Front view



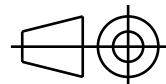
Isometric view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - DRILLING 01

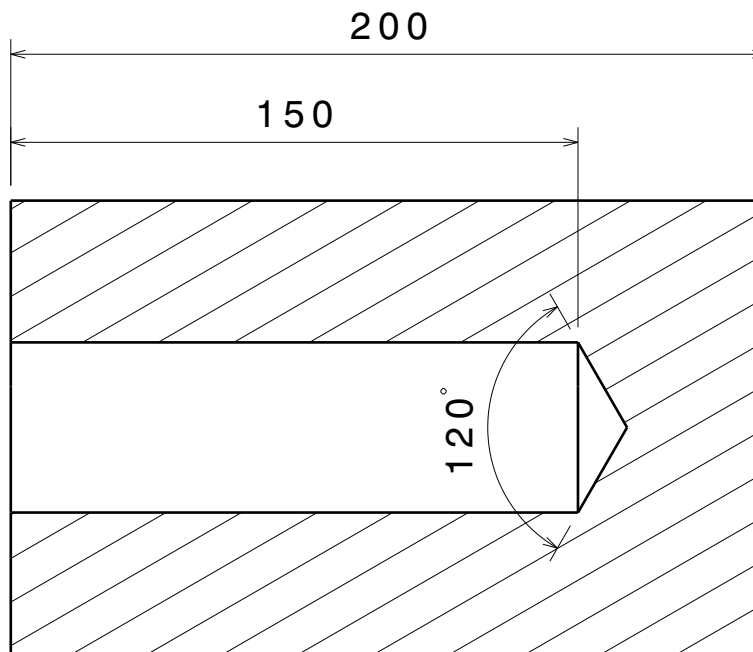
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

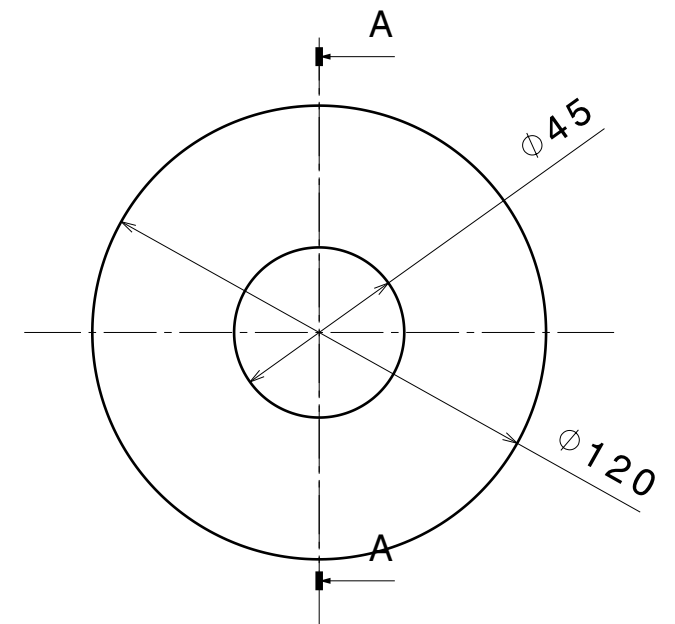
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I	-
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C	-
B	-
A	-

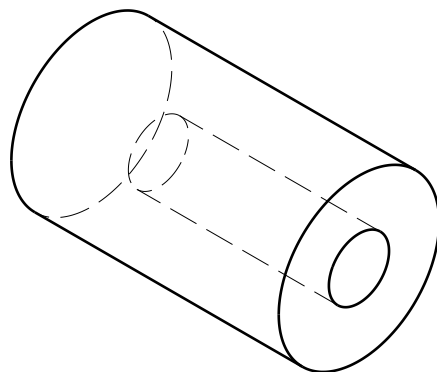
Stock Description:
Ø125x▽203



Section view A-A



Front view



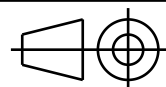
Isometric view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - DRILLING 02

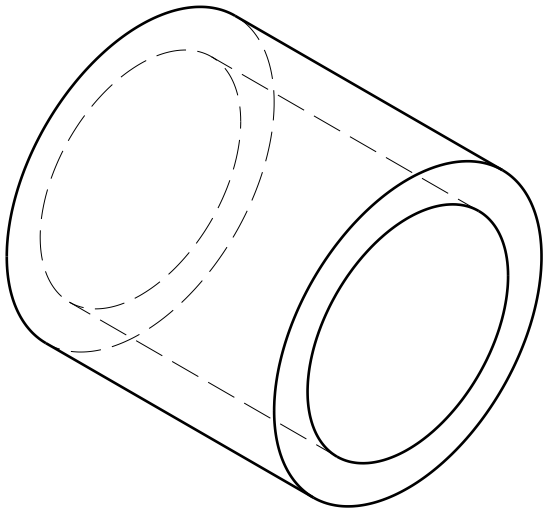
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

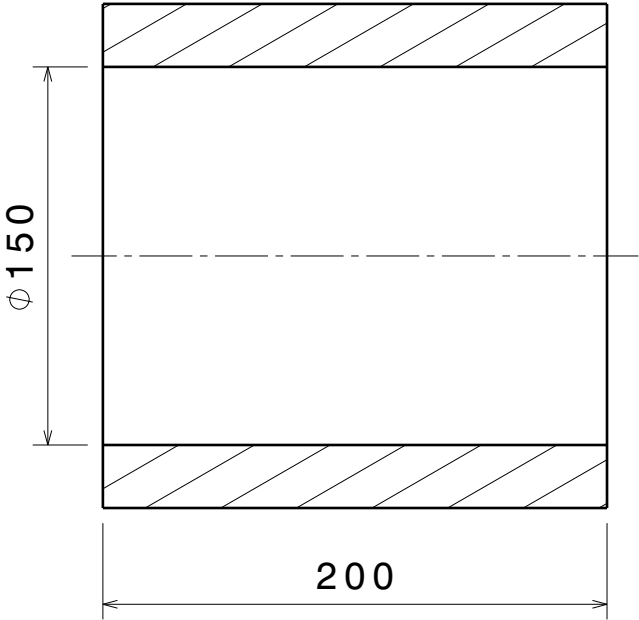
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
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C	-
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A	-

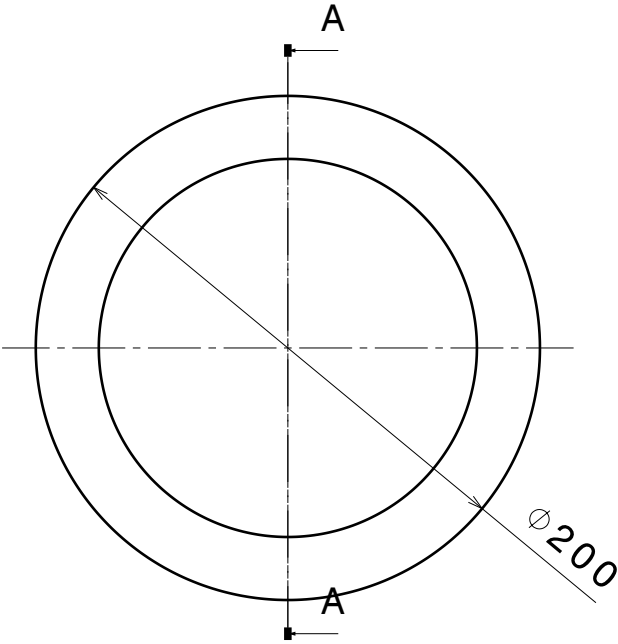
Stock Description:
Ø205x▽203



Isometric view



Section view A-A



Front view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

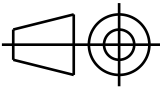
CHECKED BY:

DATE:

SIZE
A4

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - ID TURNING

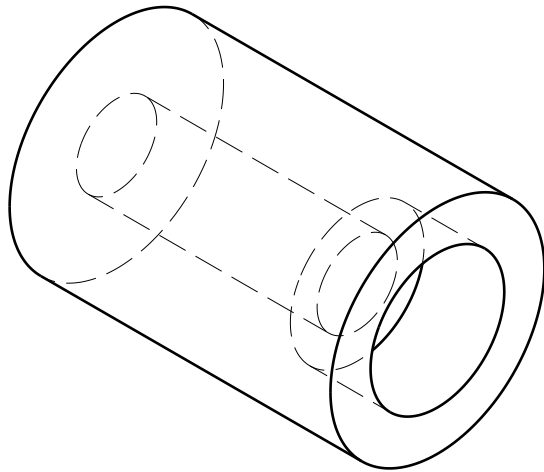
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

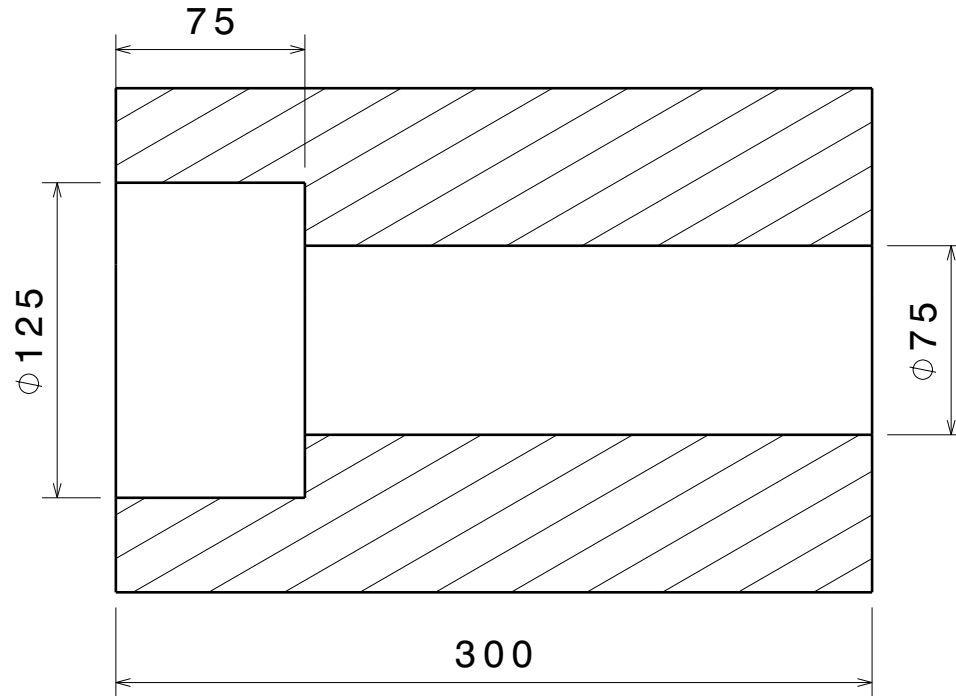
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
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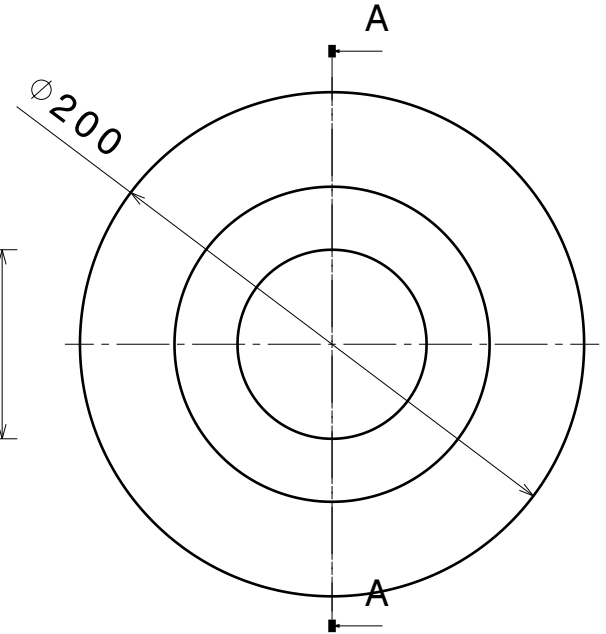
Stock
Description:
Ø205x▽303



Isometric view



Section view A-A



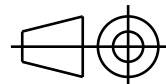
Front view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - ID STEP TURNING

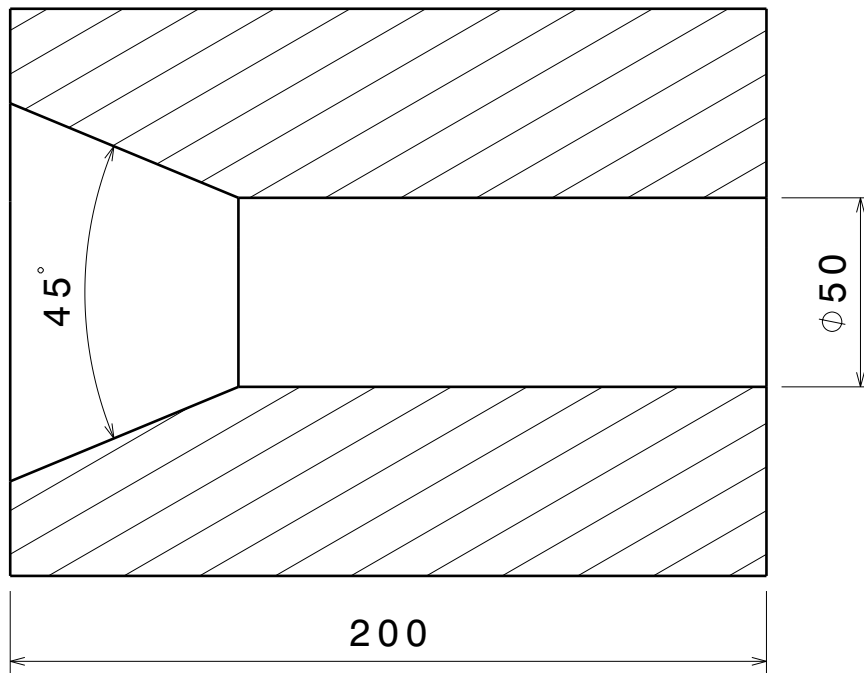
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

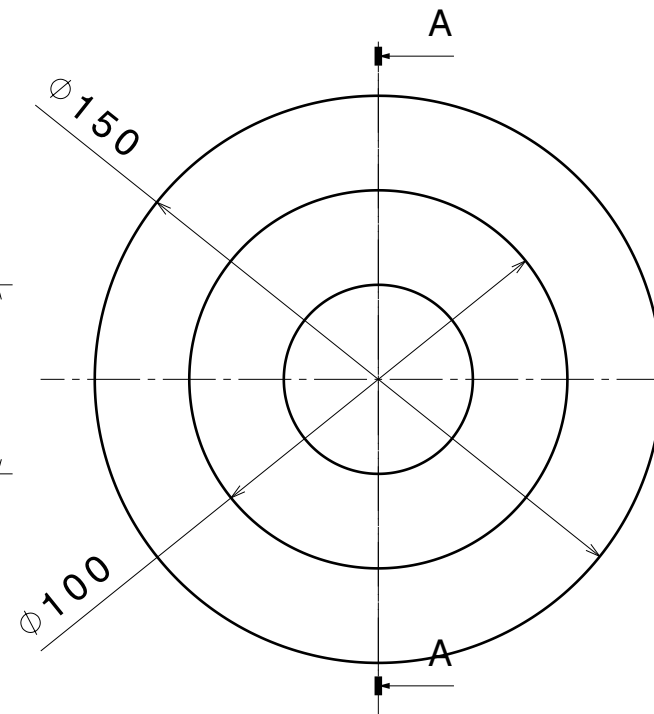
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

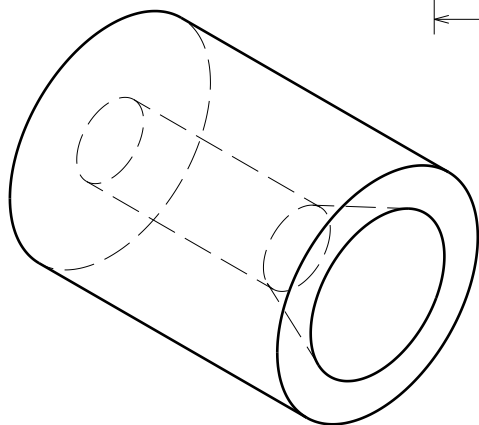
Stock
Description:
Ø155x▽203



Section view A-A



Front view



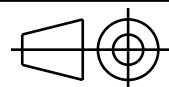
Isometric view

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

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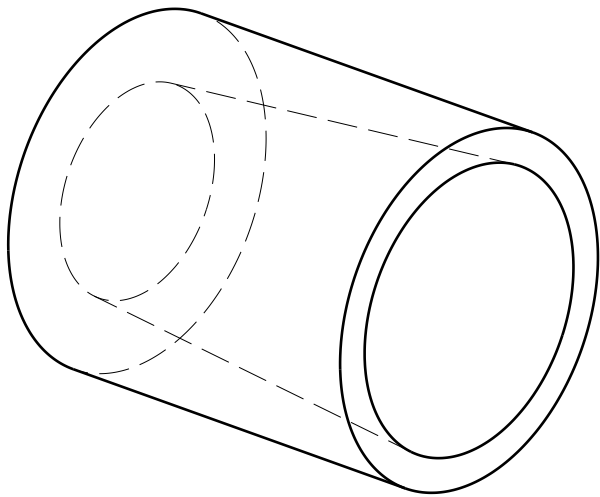
SHEET

1 / 1

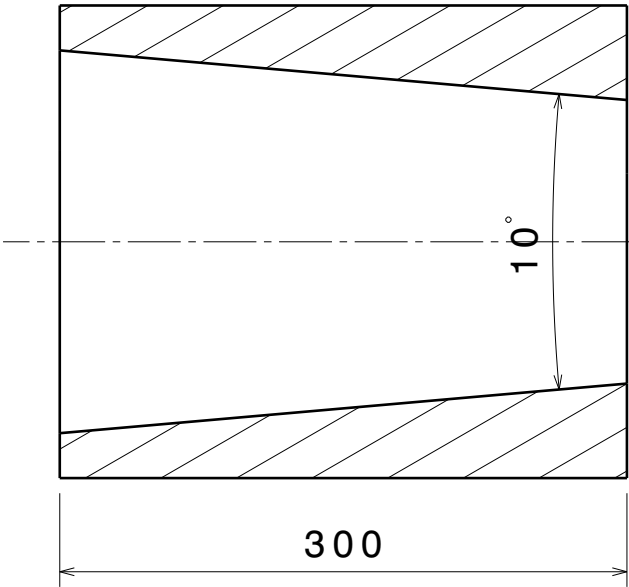
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

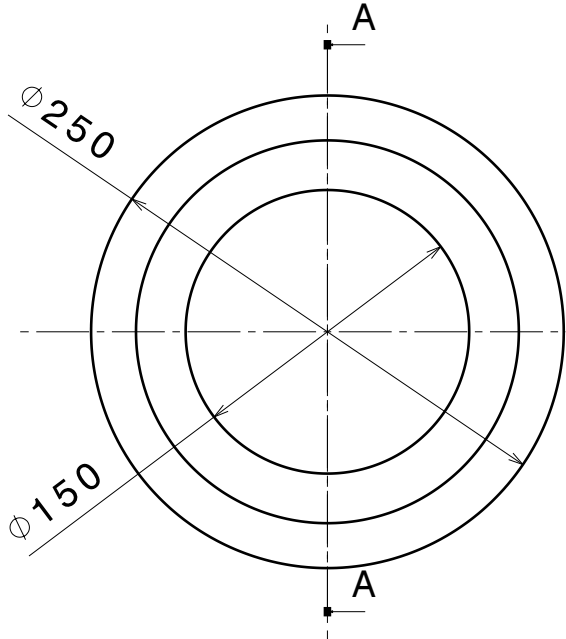
Stock Description: $\phi 255 \times \nabla 303$



Isometric view



Section view A-A



Front view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

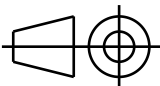
CHECKED BY:

DATE:

SIZE
A4

SCALE

WEIGHT (kg)



ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE- ID TAPER TURNING 2

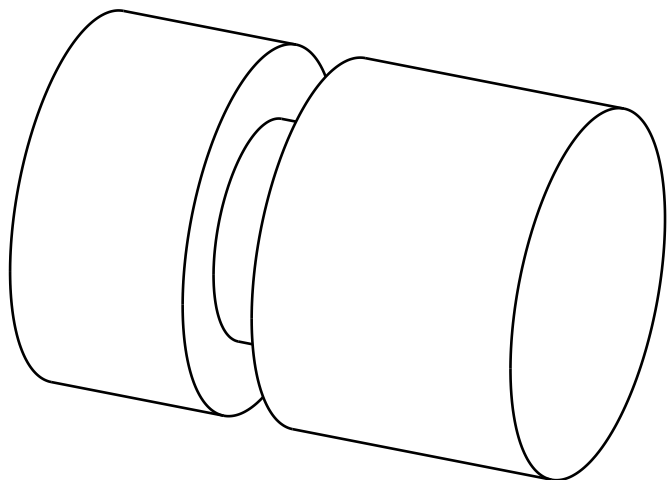
engineeringcadcamcae2018@gmail.com

1 / 1

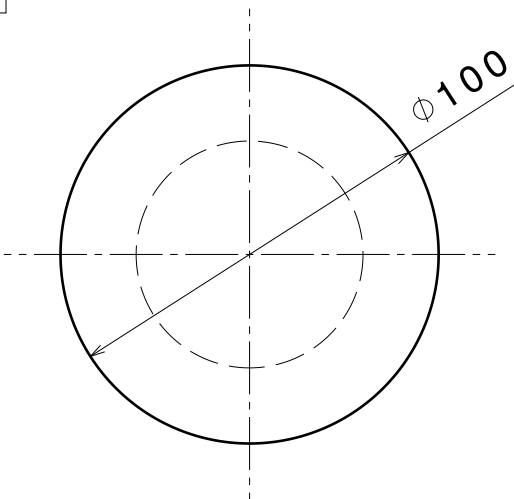
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

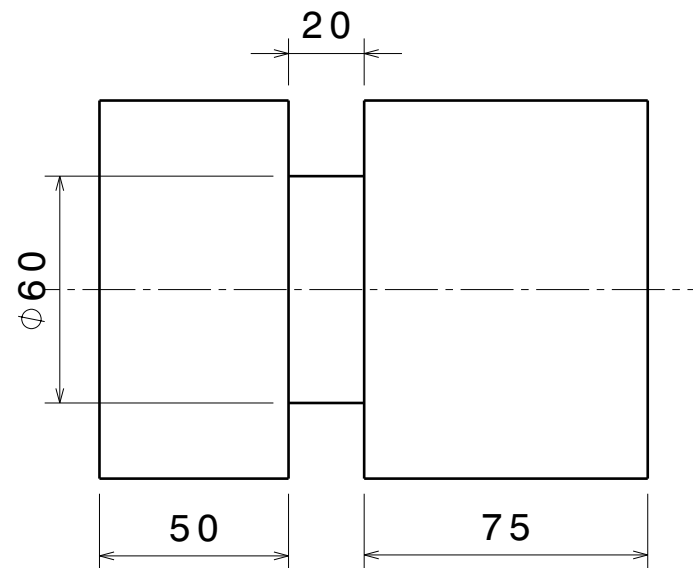
Stock Description: $\phi 105 \times \nabla 148$



Isometric view



Front view



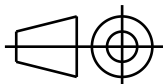
Left view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - OD GROOVE

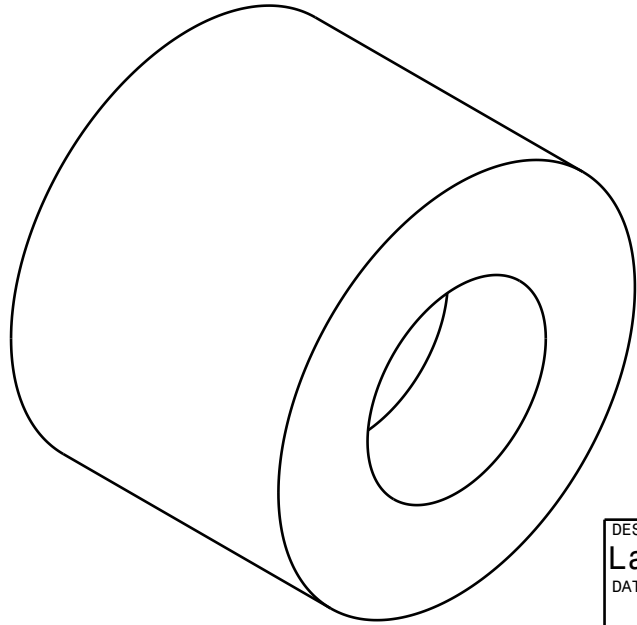
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

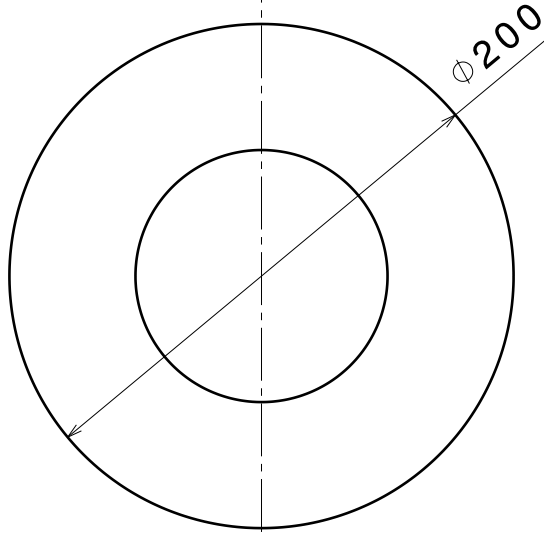
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
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A	-

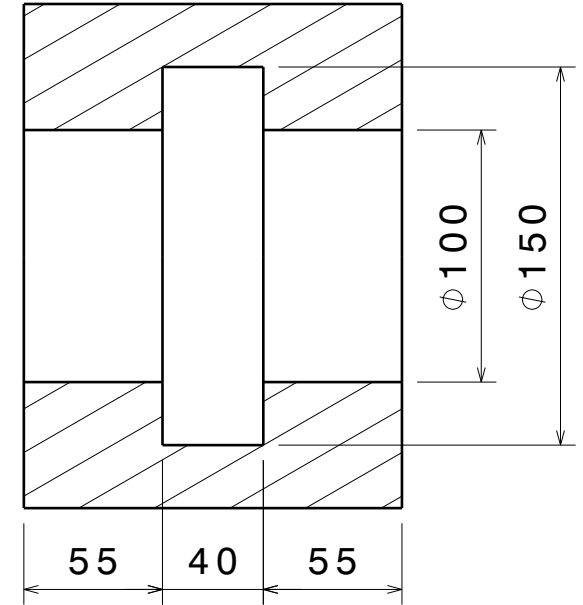
Stock Description: $\phi 205 \times 153$



Isometric view



Front view



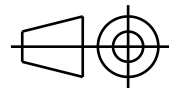
Section view A-A

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - ID GROOVE

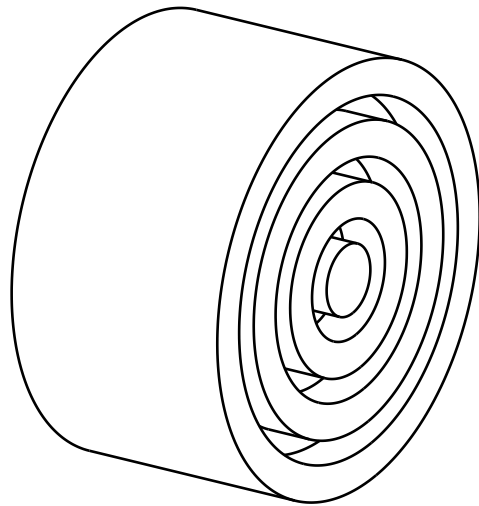
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

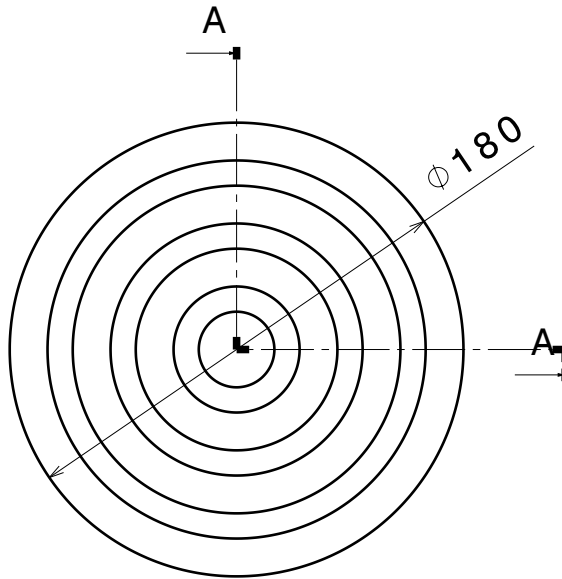
This drawing is our property; it can't be reproduced or communicated without our written agreement.

I	-
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C	-
B	-
A	-

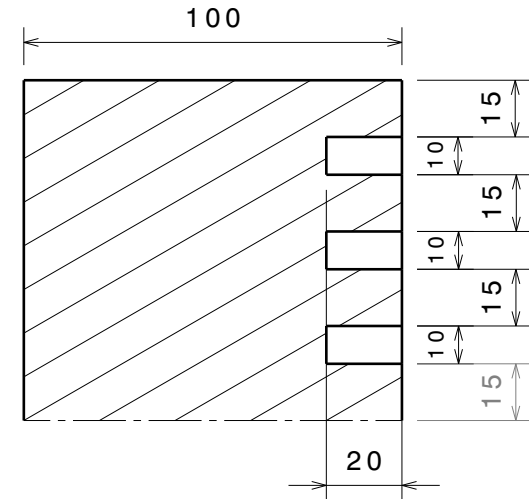
Stock Description: $\phi 185 \times \nabla 105$



Isometric view
Scale: 1:3



Front view
Scale: 1:3



Section view A-A
Scale: 1:2

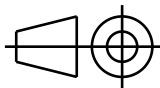
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE - FACE GROOVE

engineeringcadcamcae2018@gmail.com

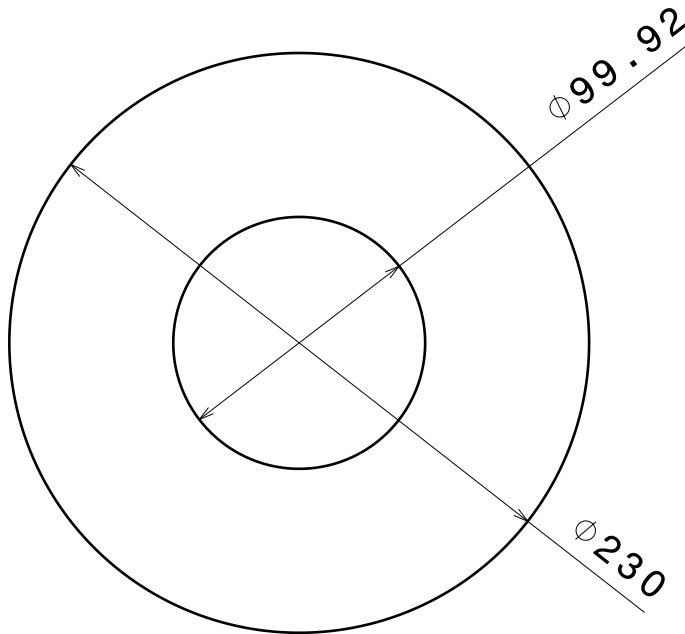
SHEET

1 / 1

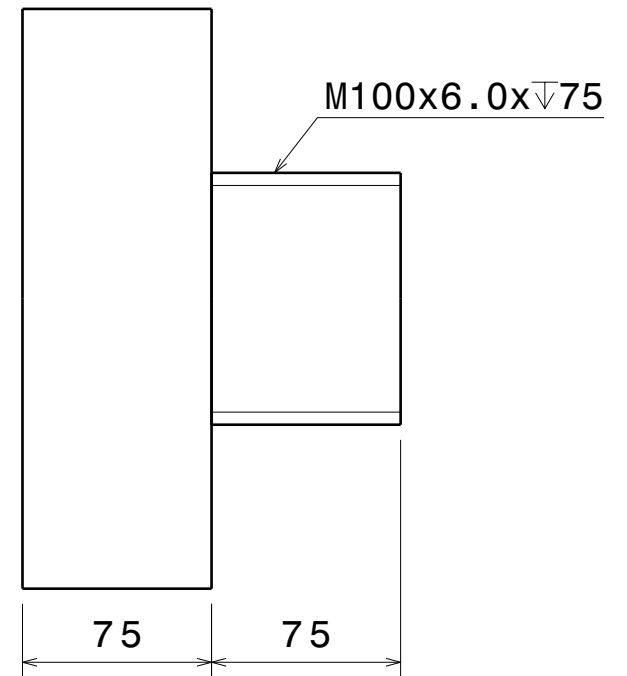
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

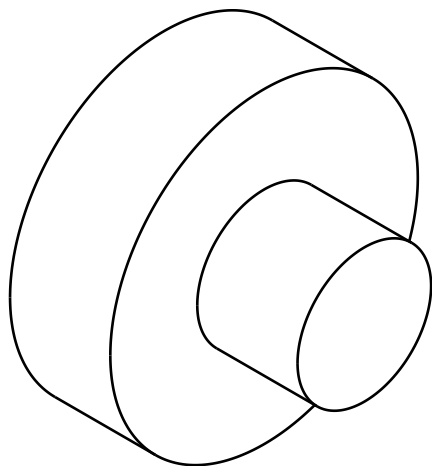
Stock Description: $\phi 235 \times \nabla 153$



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

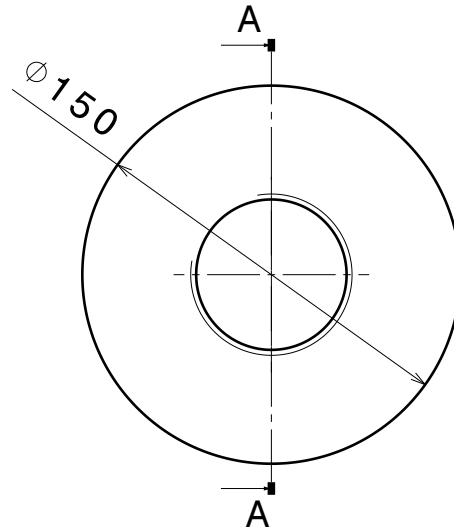
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

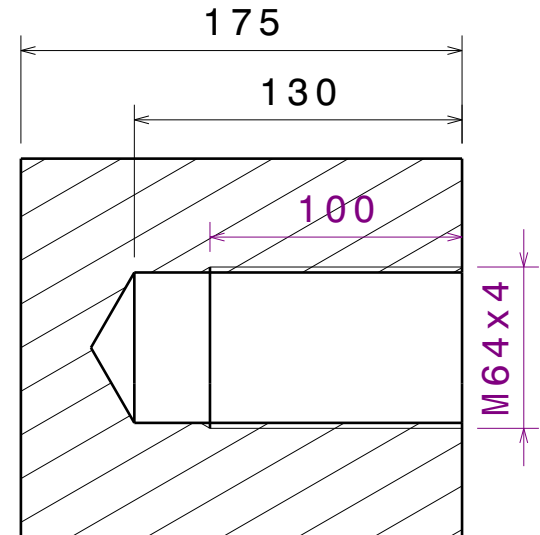
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

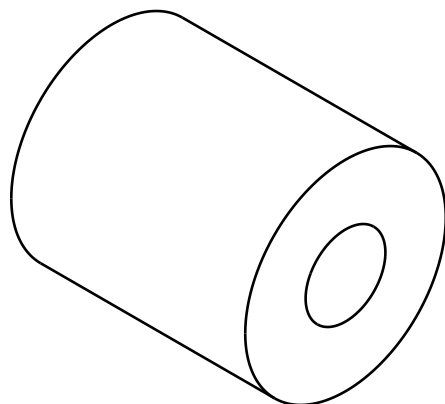
Stock Description: $\phi 152$ x $\nabla 178$



Front view



Section view A-A



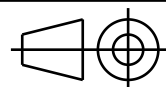
Isometric view

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

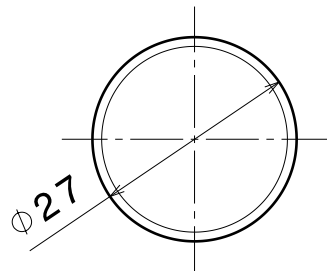
CAM TURNING EXERCISE - ID THREAD

engineeringcadcamcae2018@gmail.com

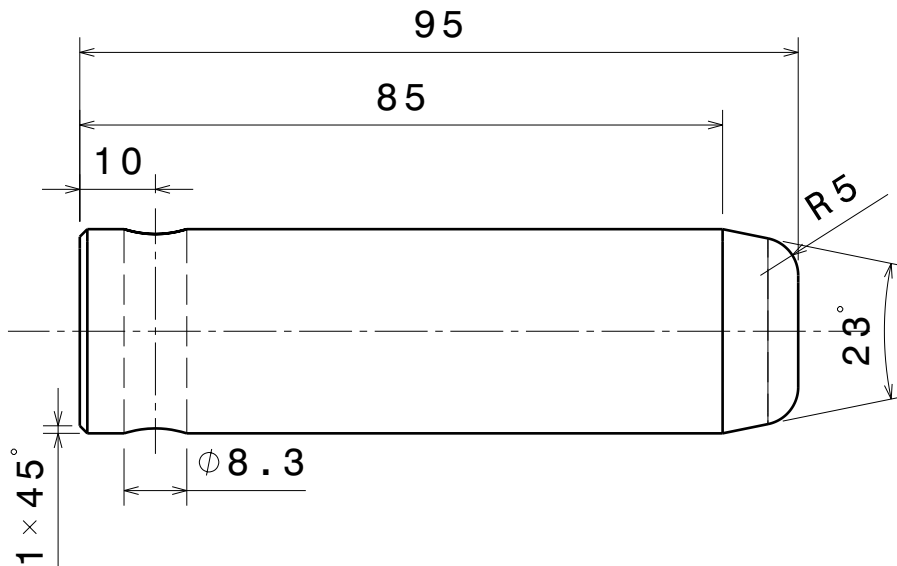
SHEET
1 / 1

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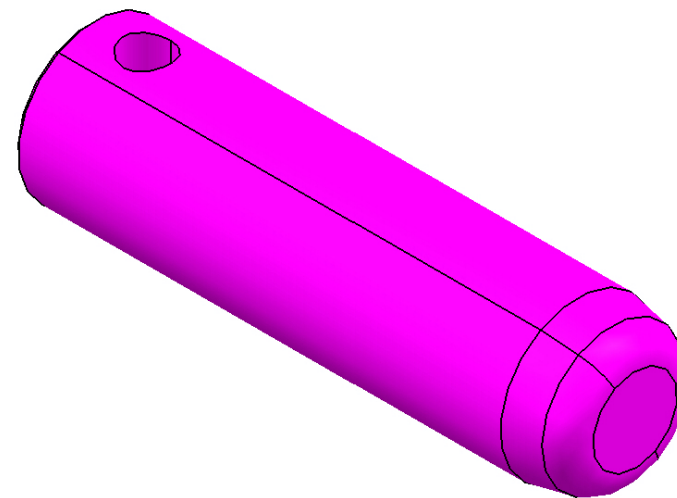
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Right view



Front view



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

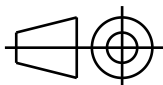
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 01

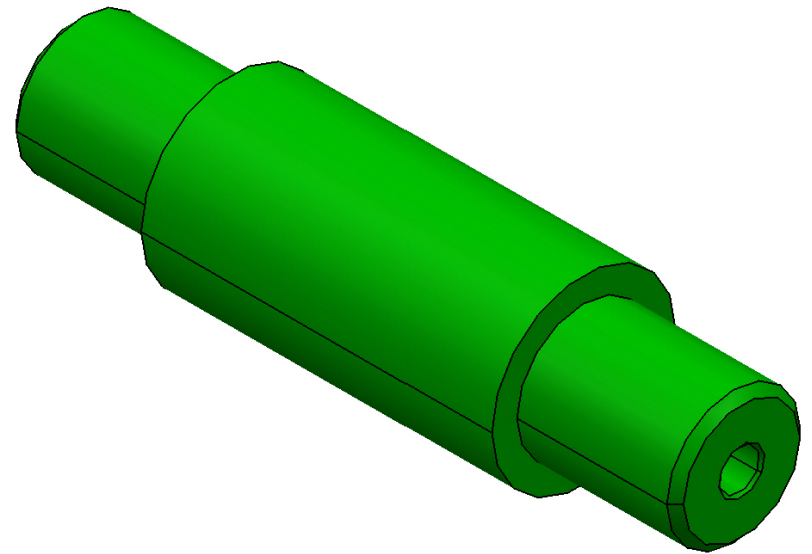
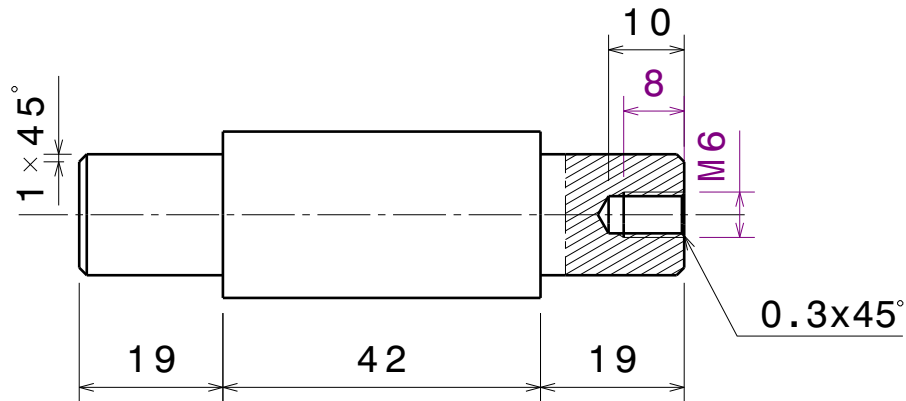
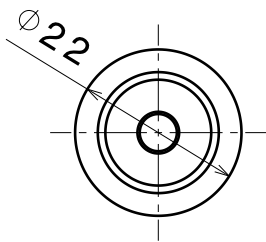
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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I	—
H	—
G	—
F	—
E	—
D	—
C	—
B	—
A	—

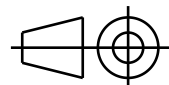


Stock Description: $\phi 25 \times \nabla 83$

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

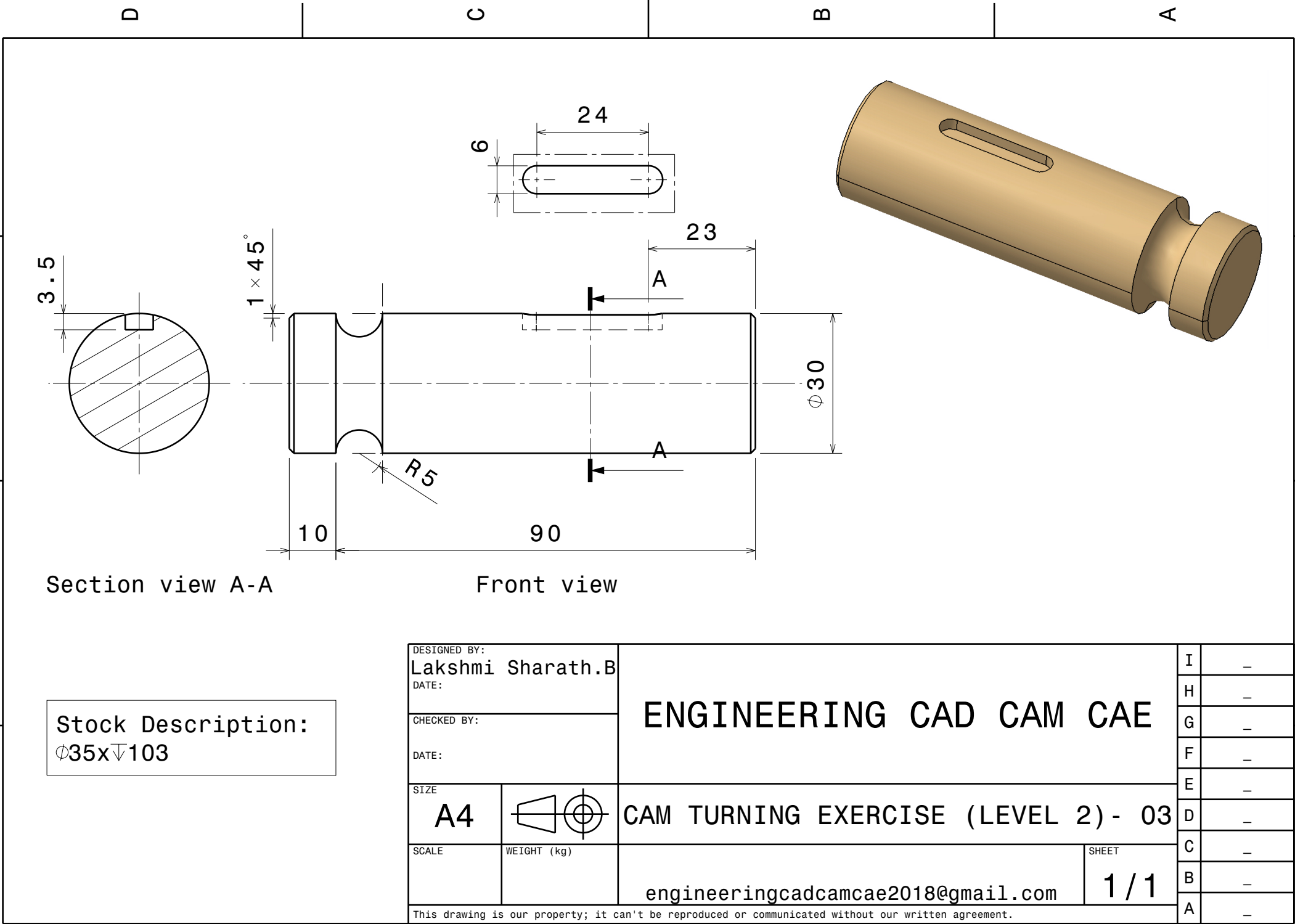
CAM TURNING EXERCISE (LEVEL 2) - 02

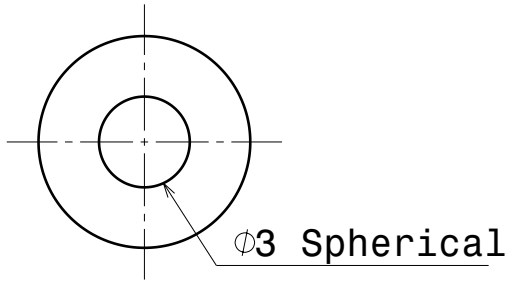
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

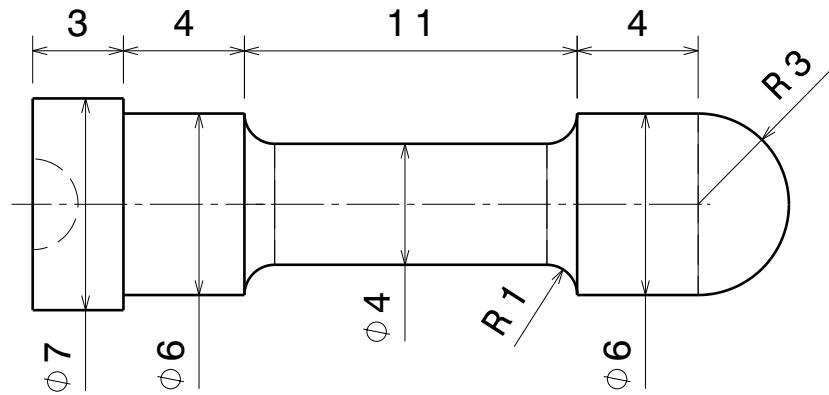
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

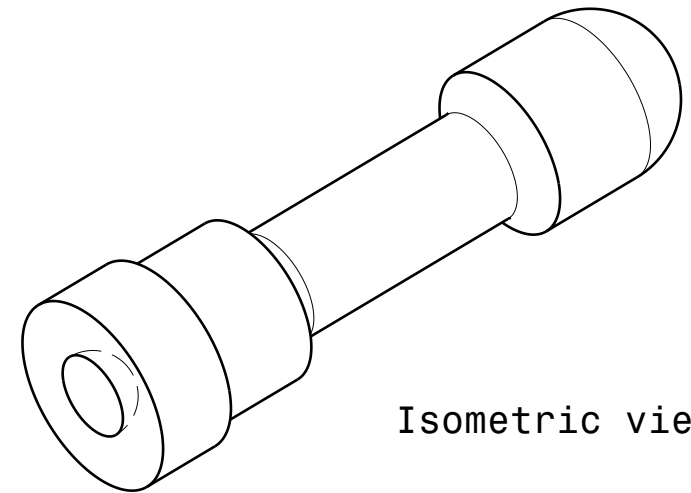




Right View



Front view



Isometric view

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

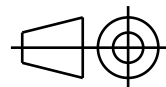
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 05

engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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

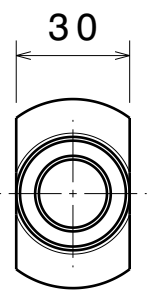
D

C

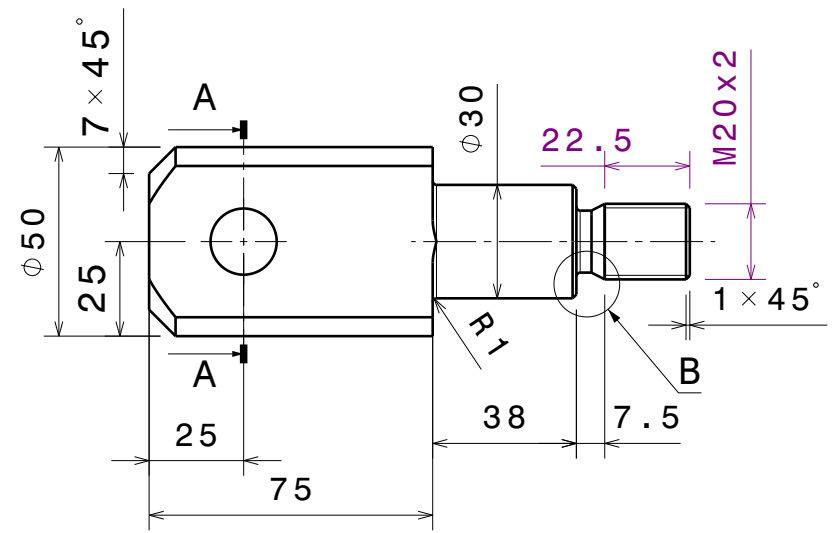
B

A

4

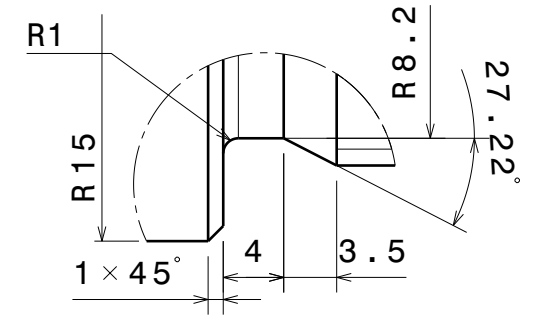
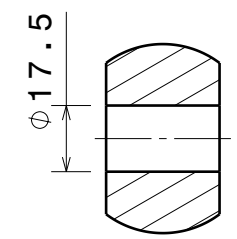


Right view



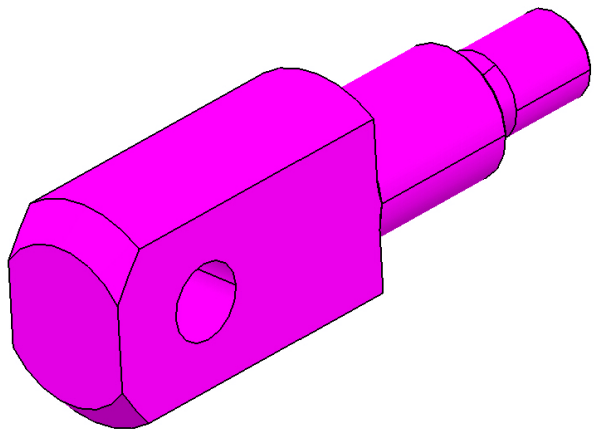
Front view

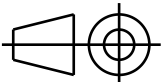
Section view A-A



Detail B (2:1)

Stock Description: $\phi 54 \times \nabla 146$



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

A

1

1

2

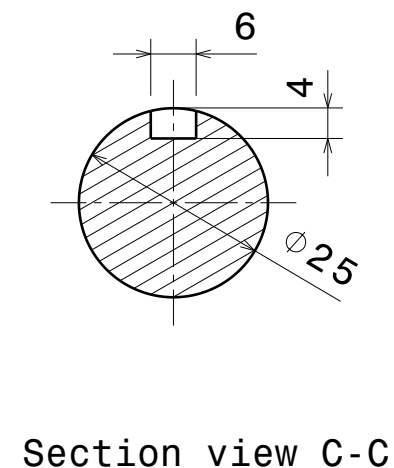
2

3

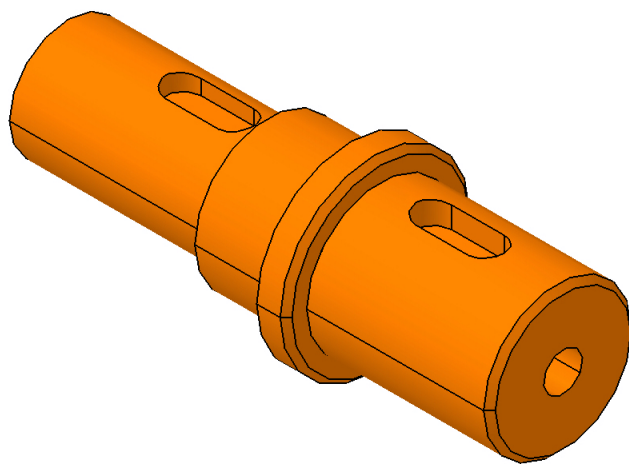
3

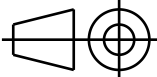
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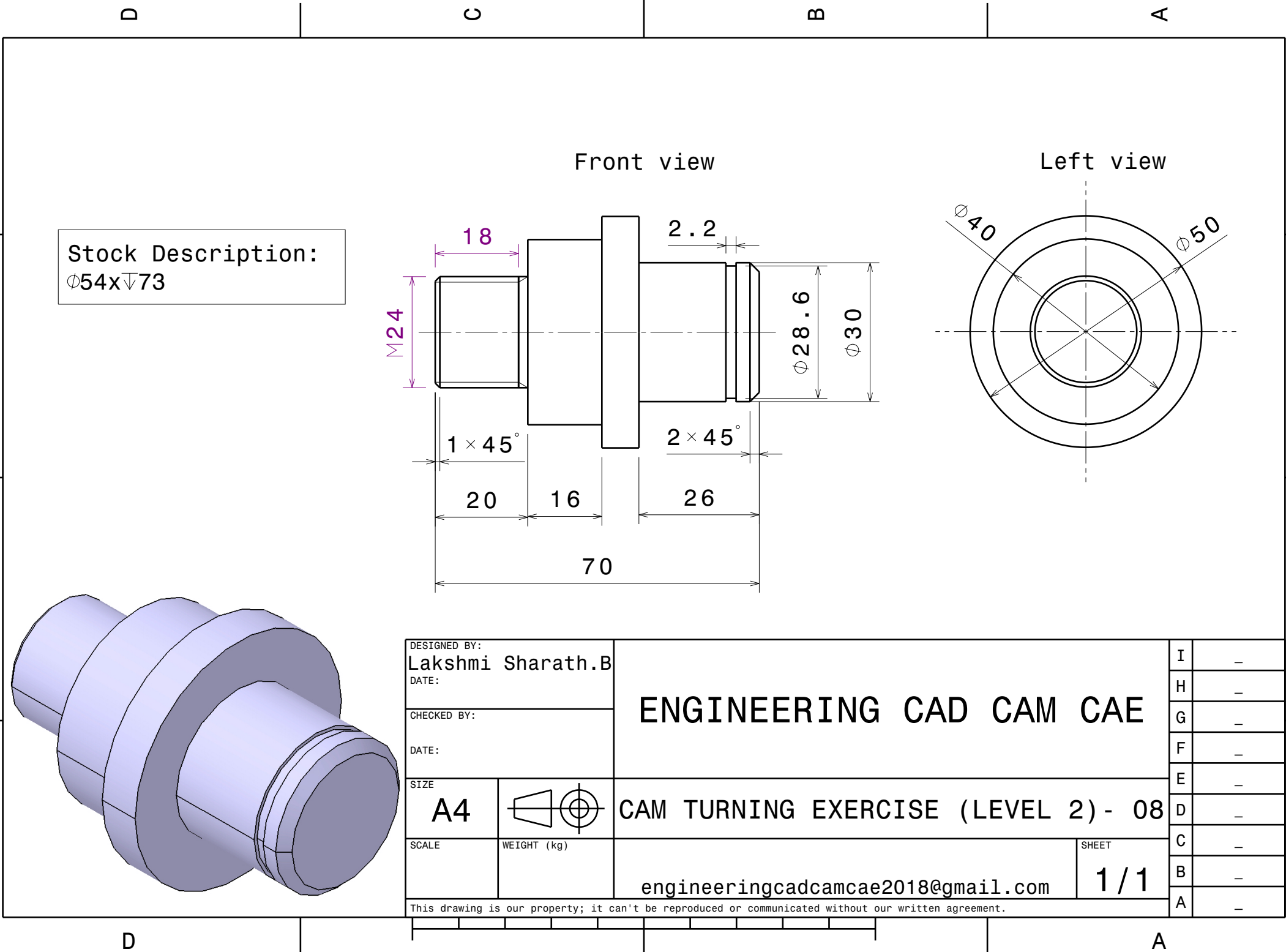
4

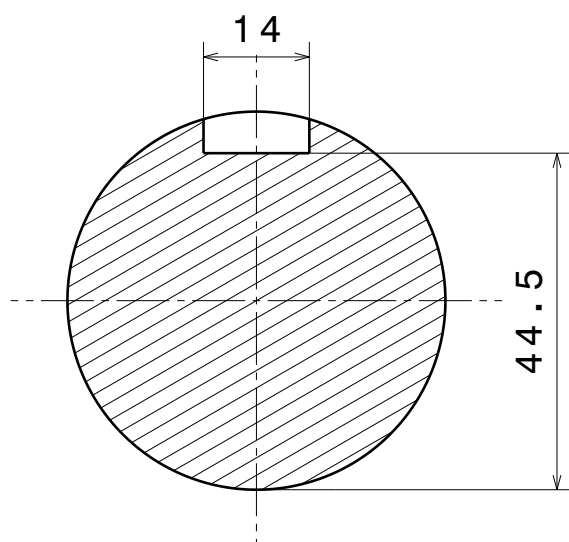


Stock Description: $\phi 34 \times \nabla 87$

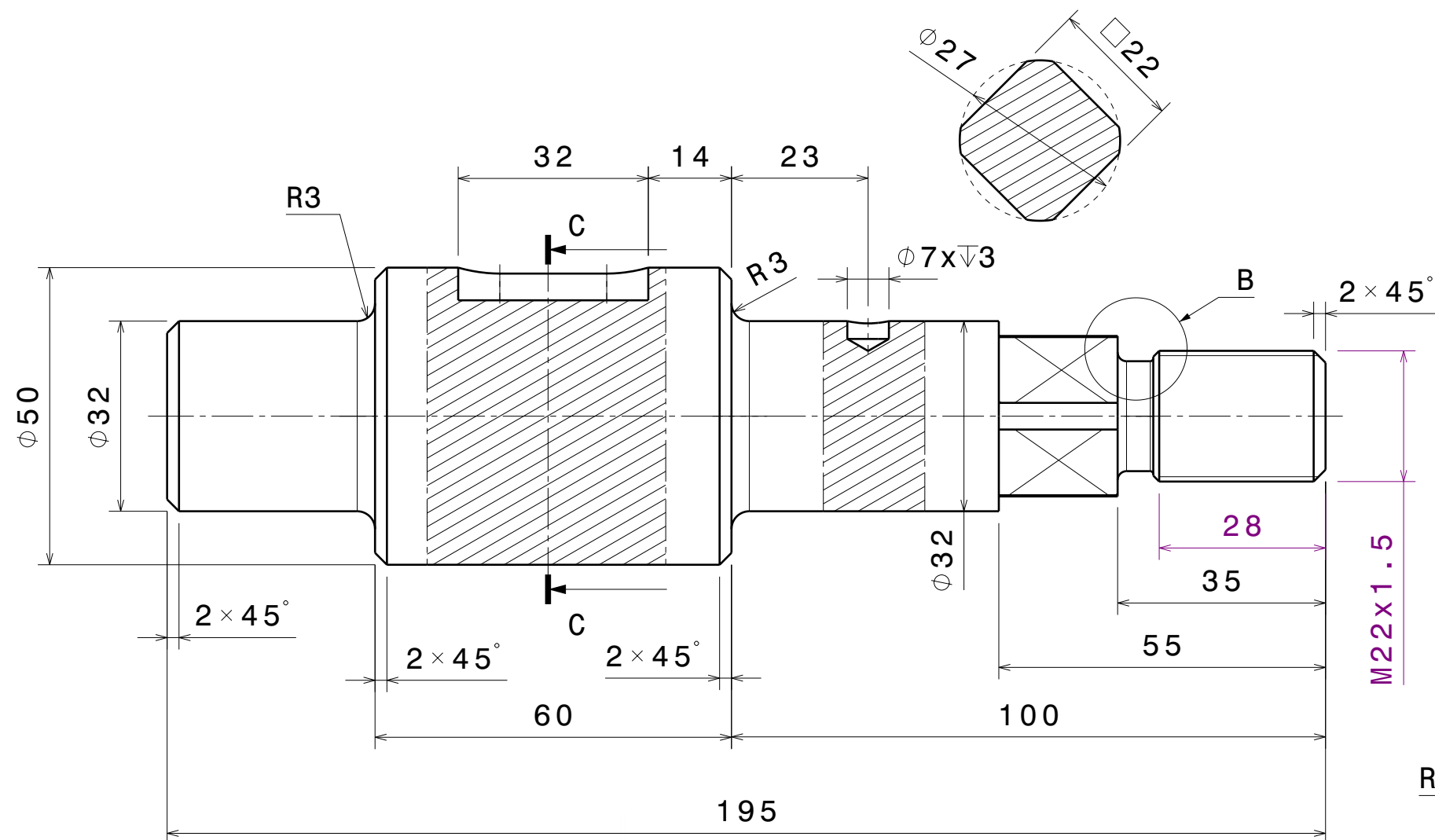


DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY: DATE:			H	—
			G	—
DATE:			F	—
SIZE A4		CAM TURNING EXERCISE (LEVEL 2) - 07	E	—
SCALE	WEIGHT (kg)		D	—
			C	—
		engineeringcadcamcae2018@gmail.com	B	—
			A	—
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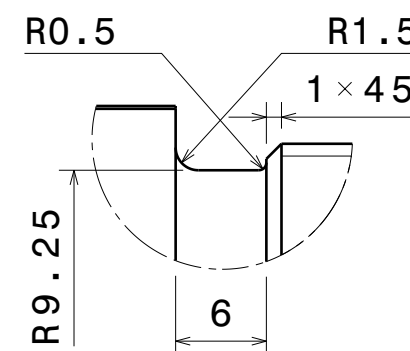




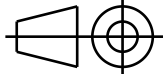
Section view C-C

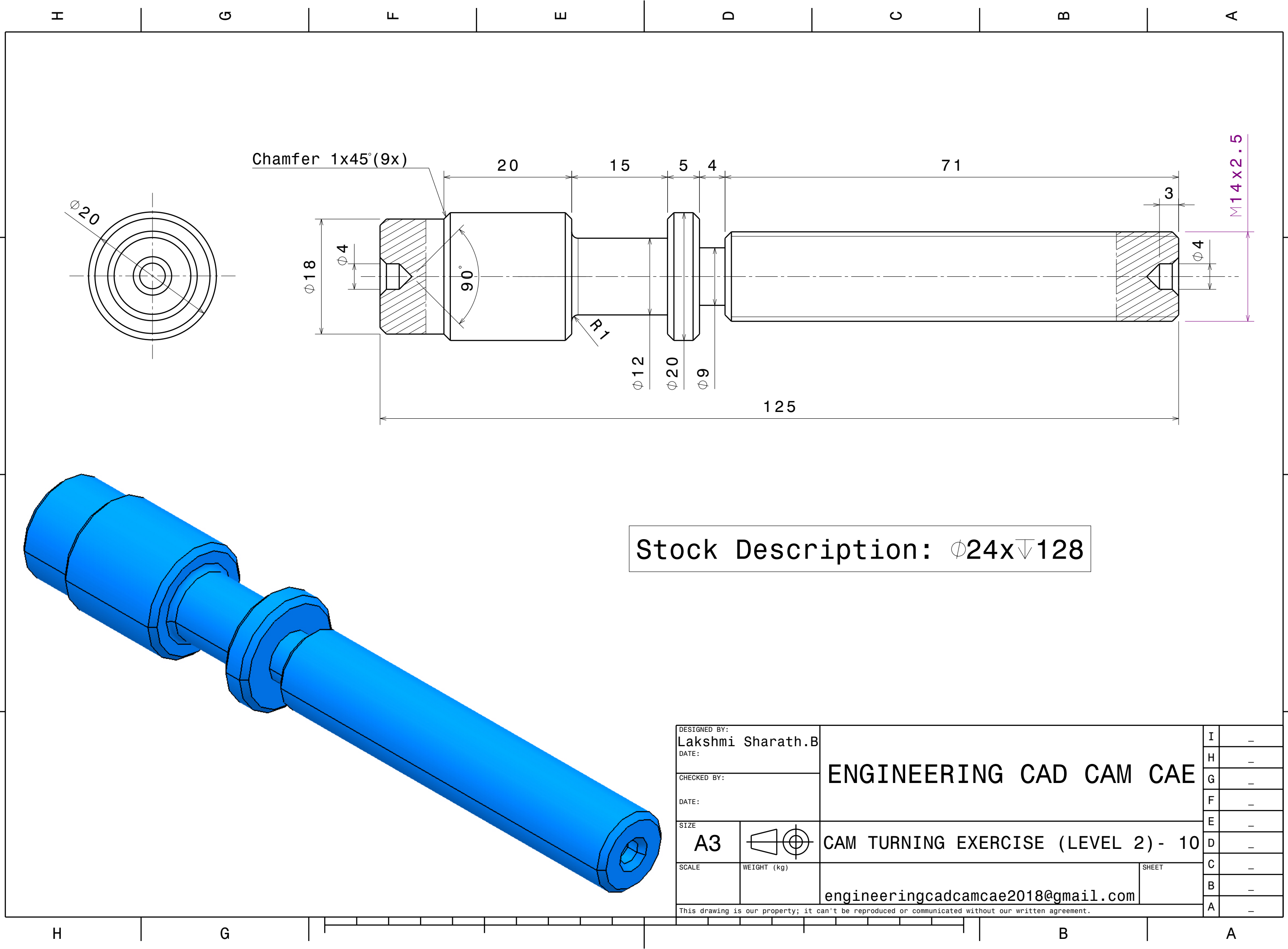


Stock Description: $\phi 54 \times \nabla 198$

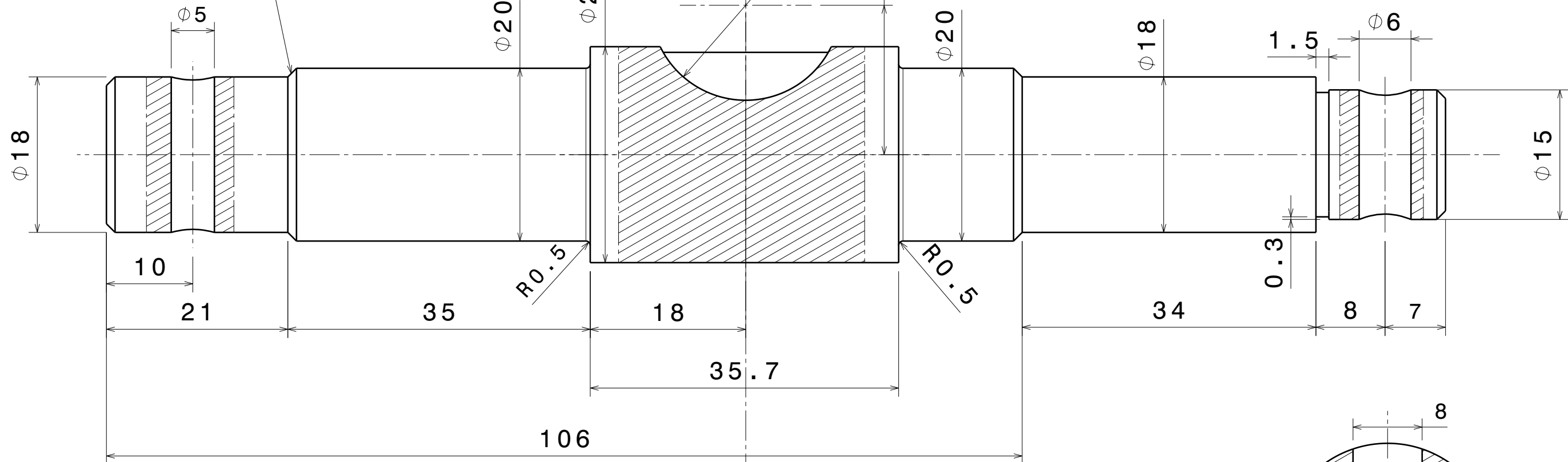


Detail B (2:1)

DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		CAM TURNING EXERCISE (LEVEL 2) - 09	E	—
SCALE	WEIGHT (kg)		D	—
			C	—
engineeringcadcamcae2018@gmail.com			B	—
			A	—
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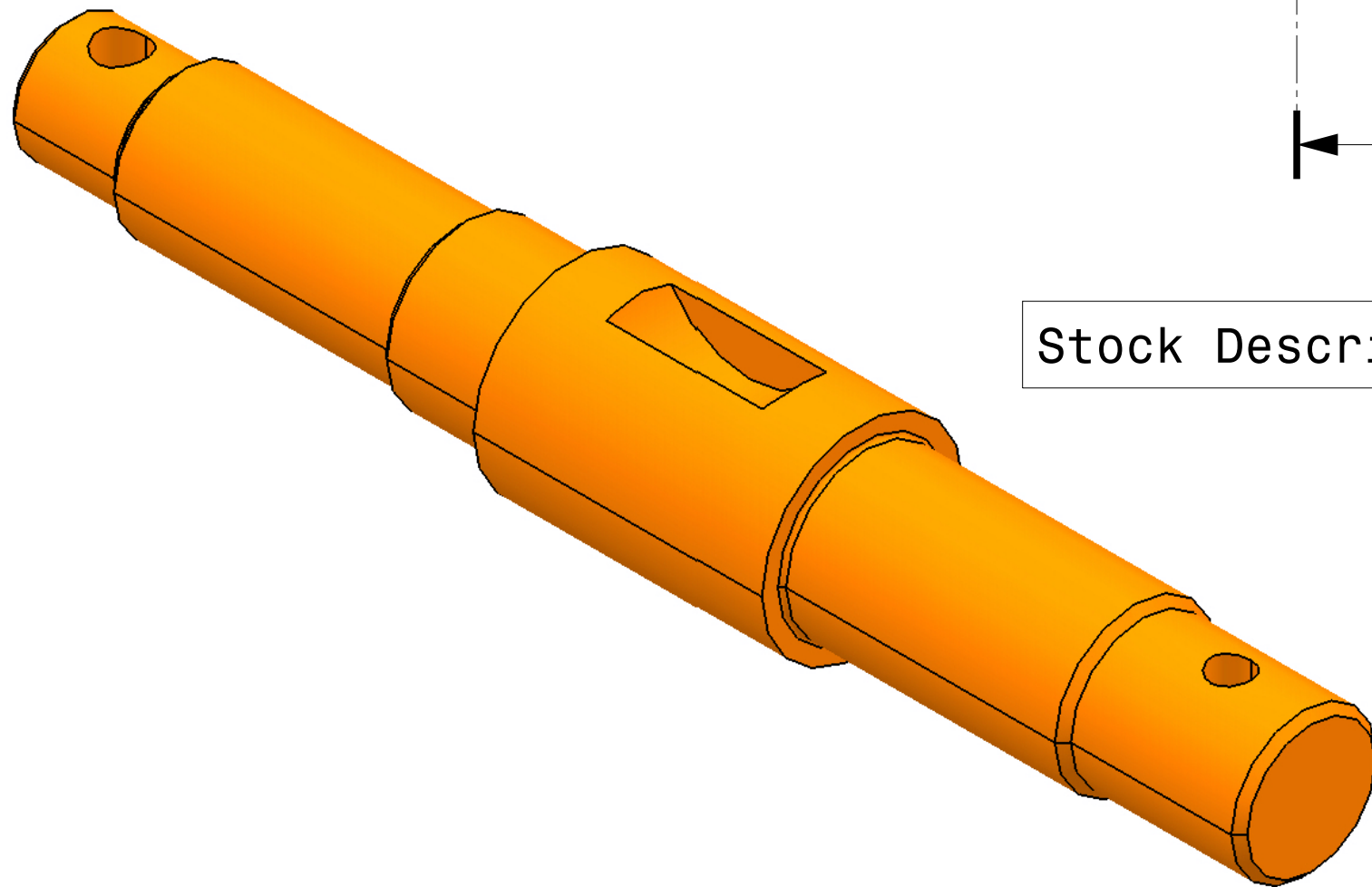


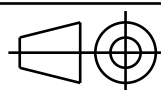
Chamfer 1x45° (4x)



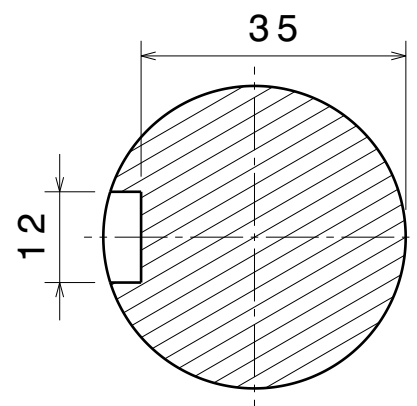
Stock Description: $\phi 29 \times \nabla 158$

Section view B-B

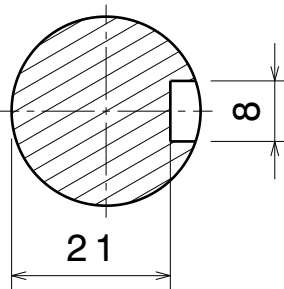
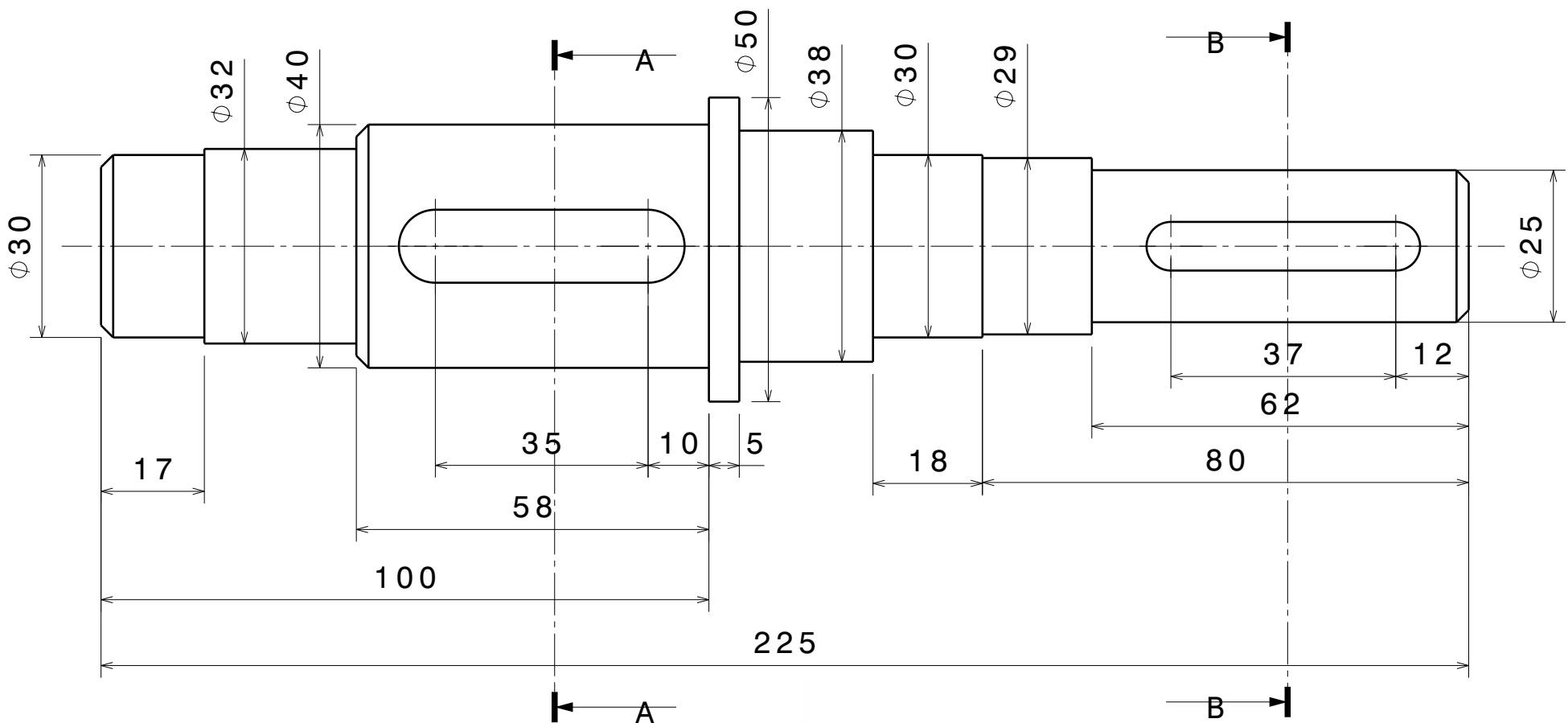


DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE		I	—
DATE:				H	—
CHECKED BY:				G	—
DATE:		CAM TURNING EXERCISE (LEVEL 2) - 11		F	—
SIZE A3				E	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		D	—
				C	—
				B	—
				A	—

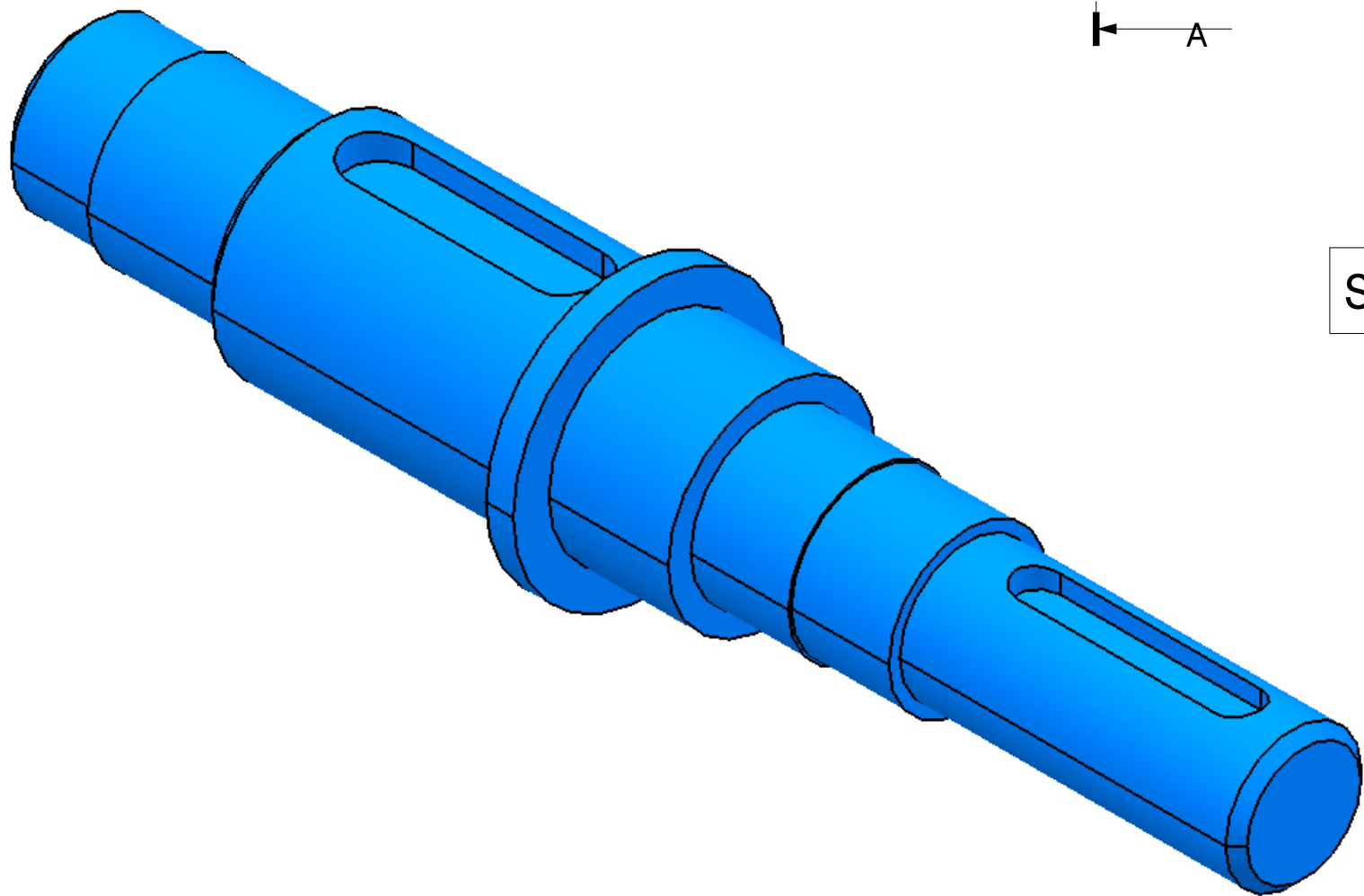
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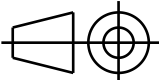
Section view A-A

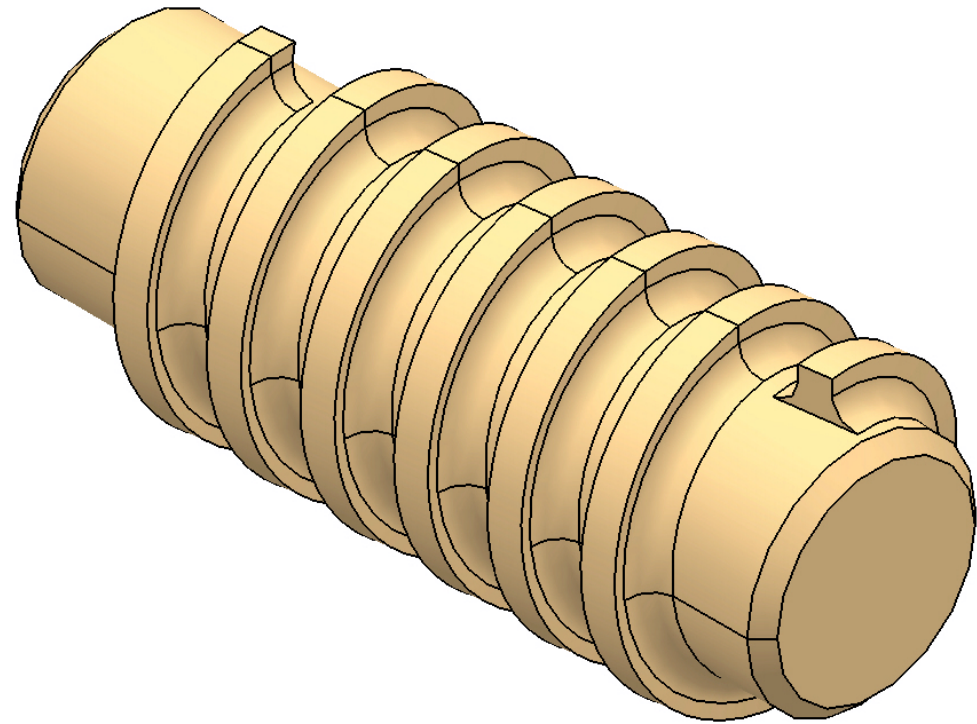


Section view B-B

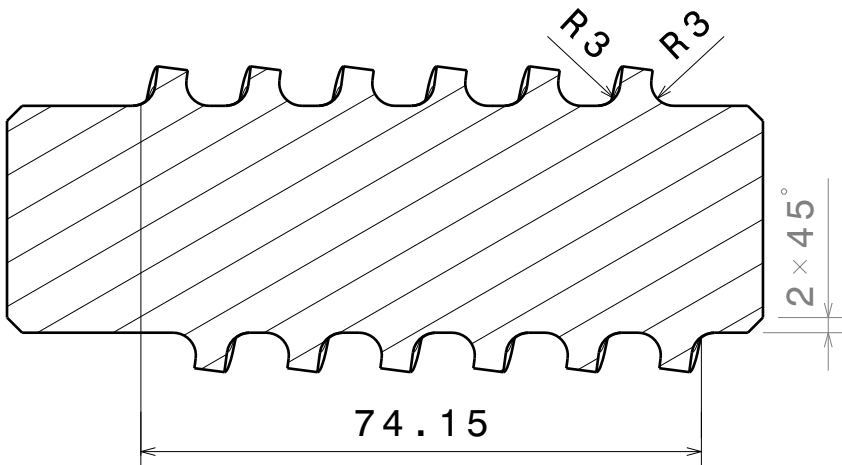
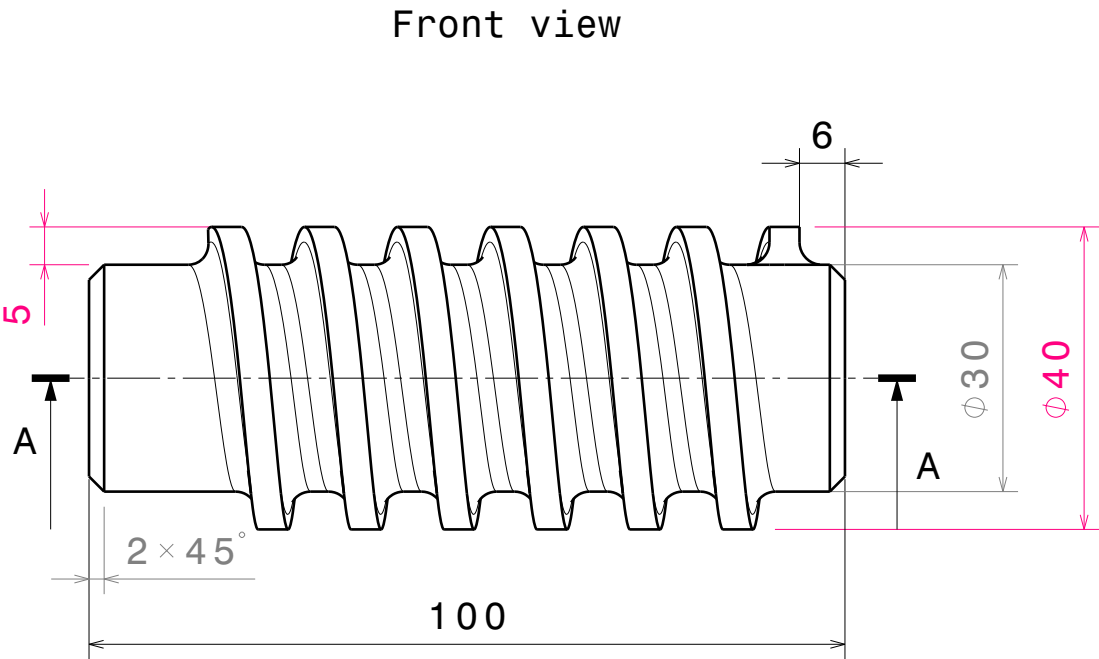


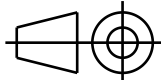
Stock Description: $\phi 54 \times \nabla 228$

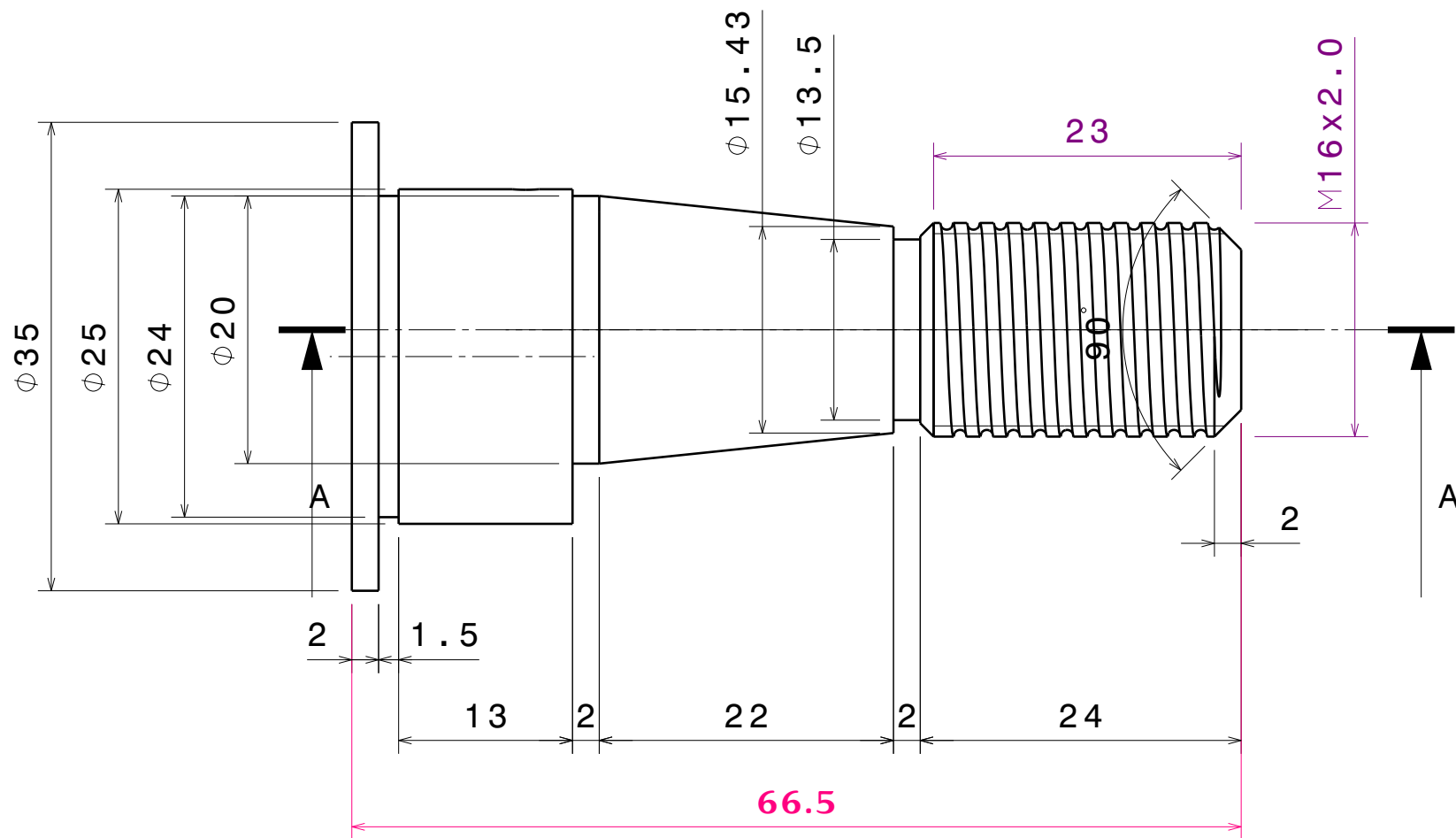
DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		CAM TURNING EXERCISE (LEVEL 2) - 12	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
			B	—
This drawing is our property; it can't be reproduced or communicated without our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



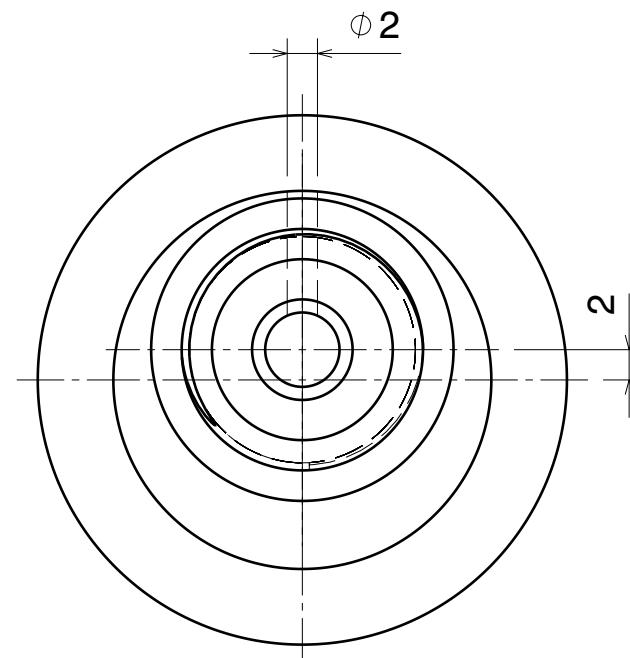
Stock Description: $\phi 44 \times \nabla 103$
(Take Pitch=12.30 mm)



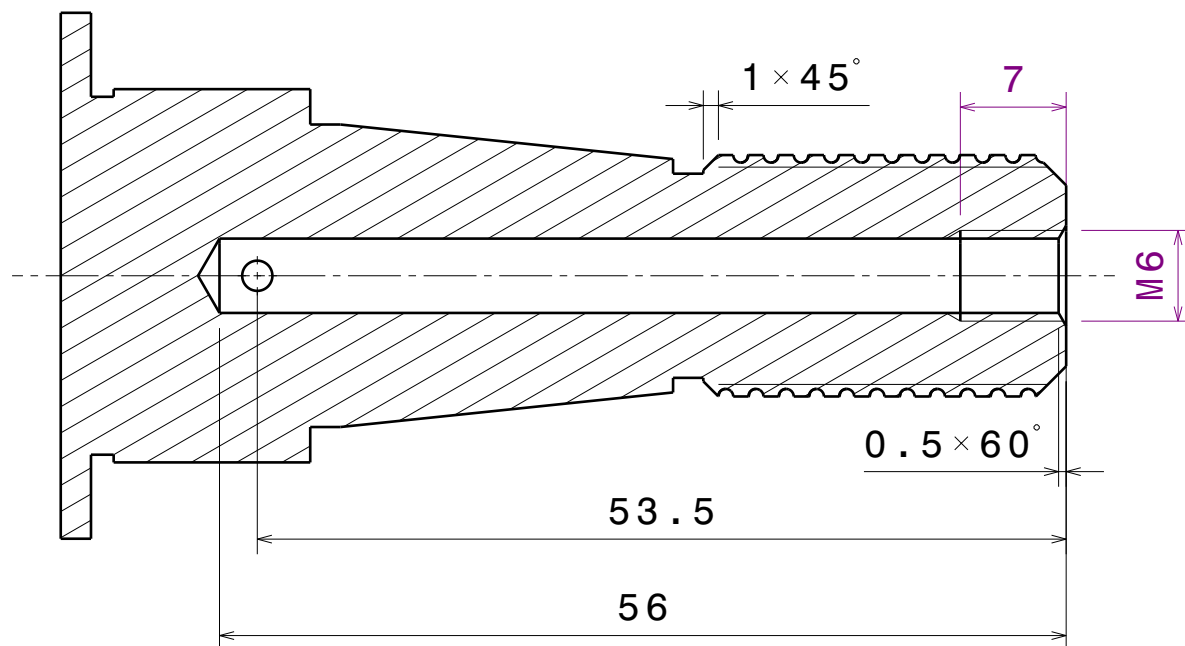
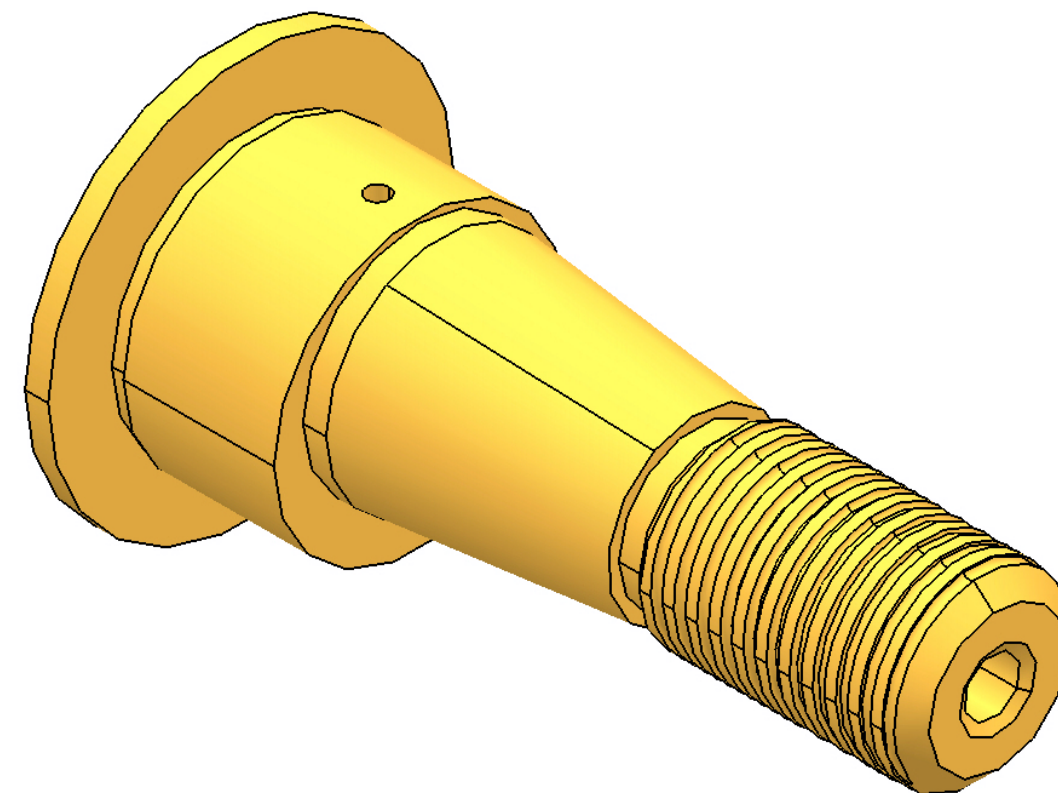
DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		CAM TURNING EXERCISE (LEVEL 2) - 13	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
			B	—
		A	—	
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Front view

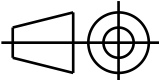


Right view

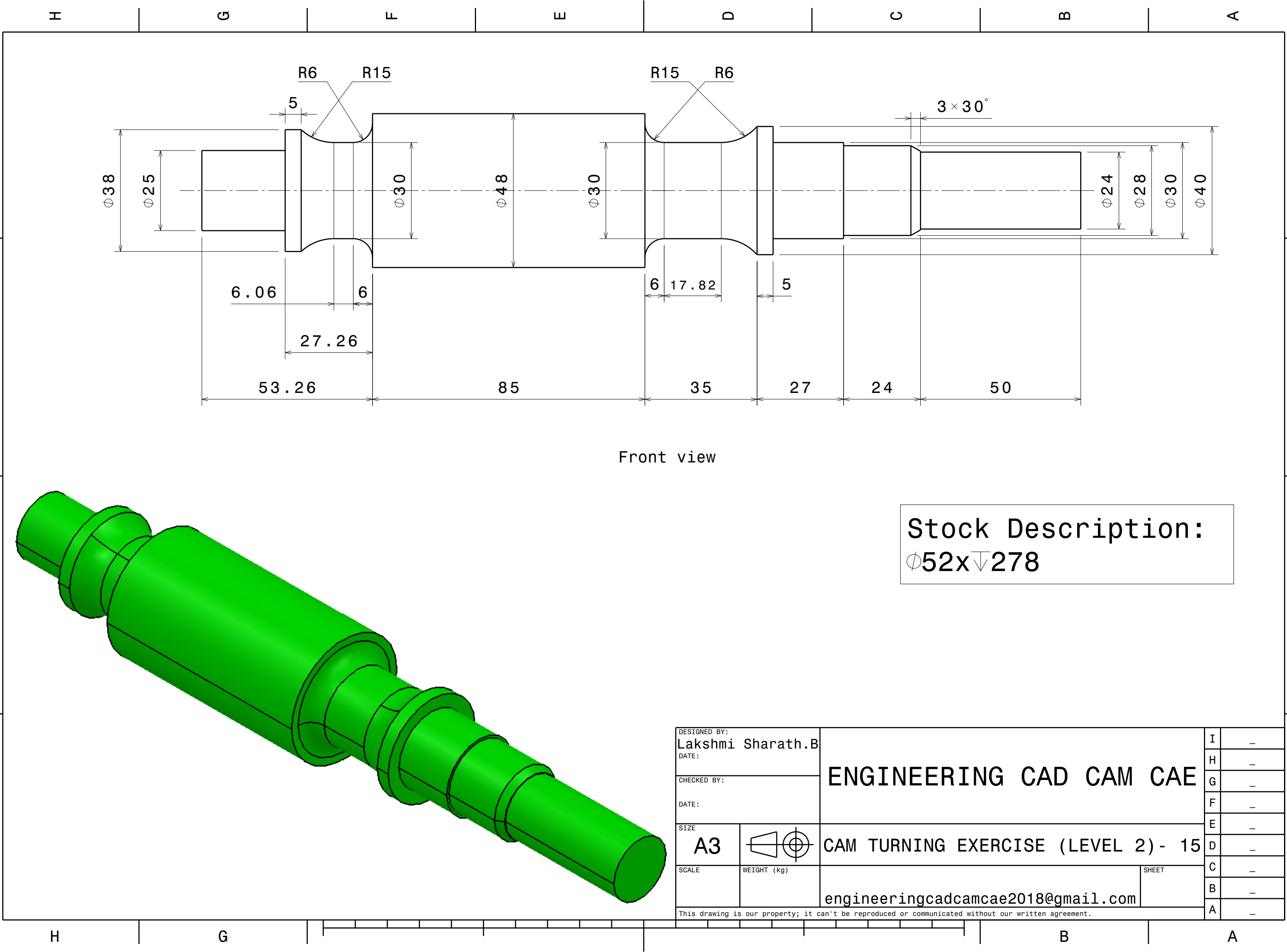


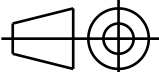
Section view A-A

Stock
Description:
 $\phi 39 \times \nabla 70$

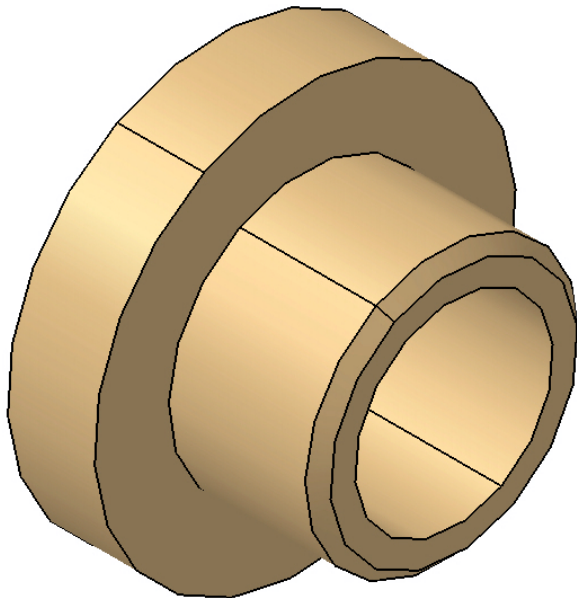
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY: DATE:				H	—
				G	—
SIZE A3			F	—	
SCALE			E	—	
WEIGHT (kg)		CAM TURNING EXERCISE (LEVEL 2) - 14 engineeringcadcamcae2018@gmail.com	D	—	
			C	—	
			B	—	
			A	—	
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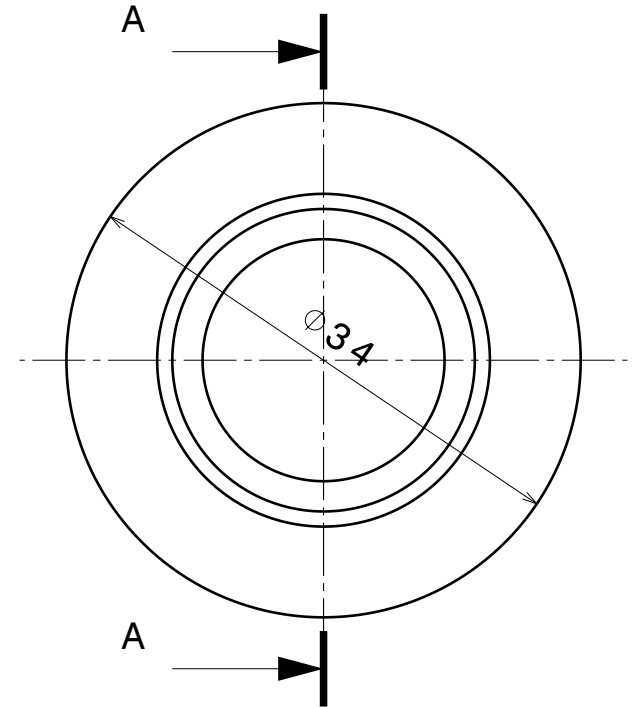
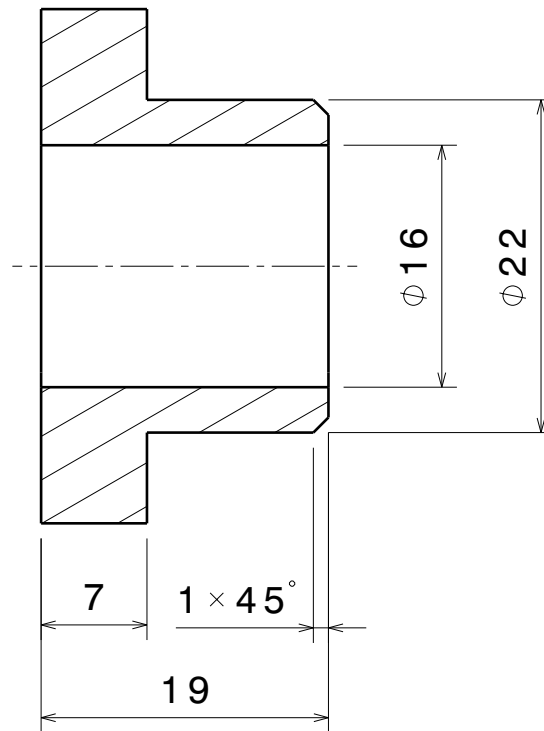


DESIGNED BY: Lakshmi Sharath.B		ENGINEERING CAD CAM CAE	I	—
DATE:			H	—
CHECKED BY:			G	—
DATE:			F	—
SIZE A3		CAM TURNING EXERCISE (LEVEL 2) - 15	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
			B	—
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Stock
Description:
Ø38x▽22



Section view A-A



Front view

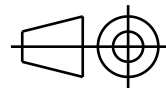
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 16

engineeringcadcamcae2018@gmail.com

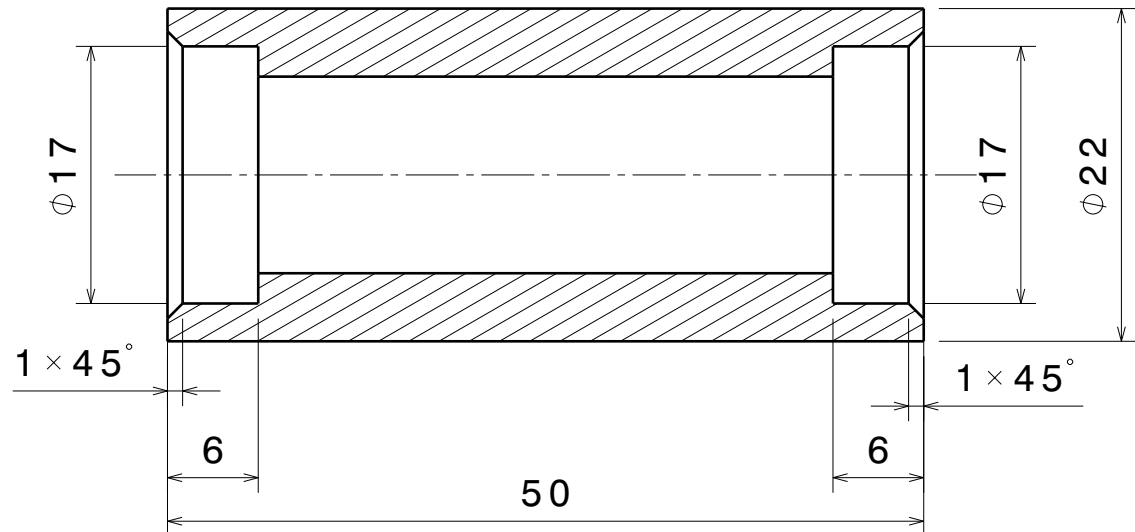
SHEET

1 / 1

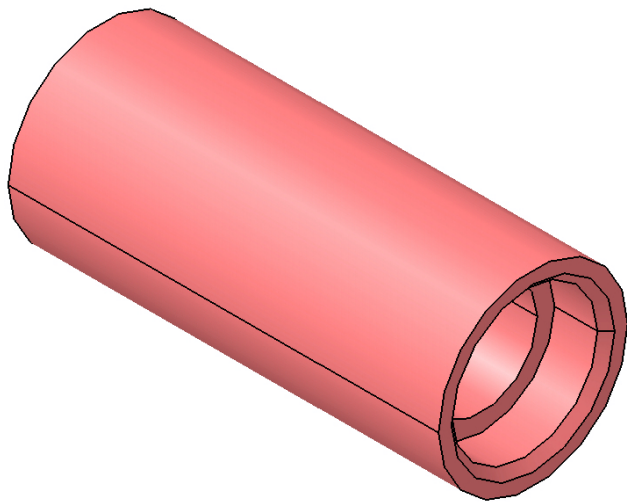
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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

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



Section view A-A



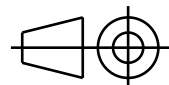
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 17

engineeringcadcamcae2018@gmail.com

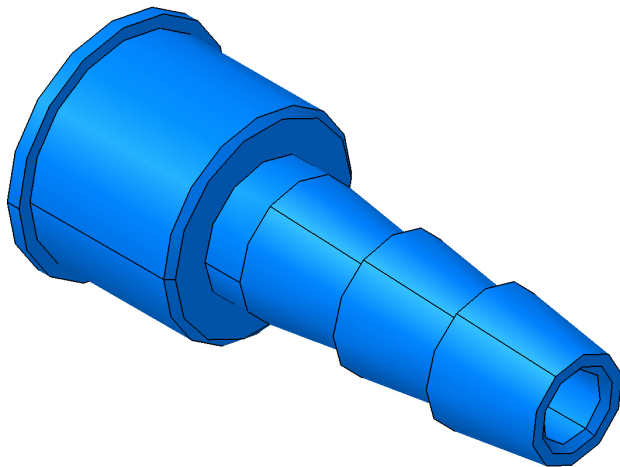
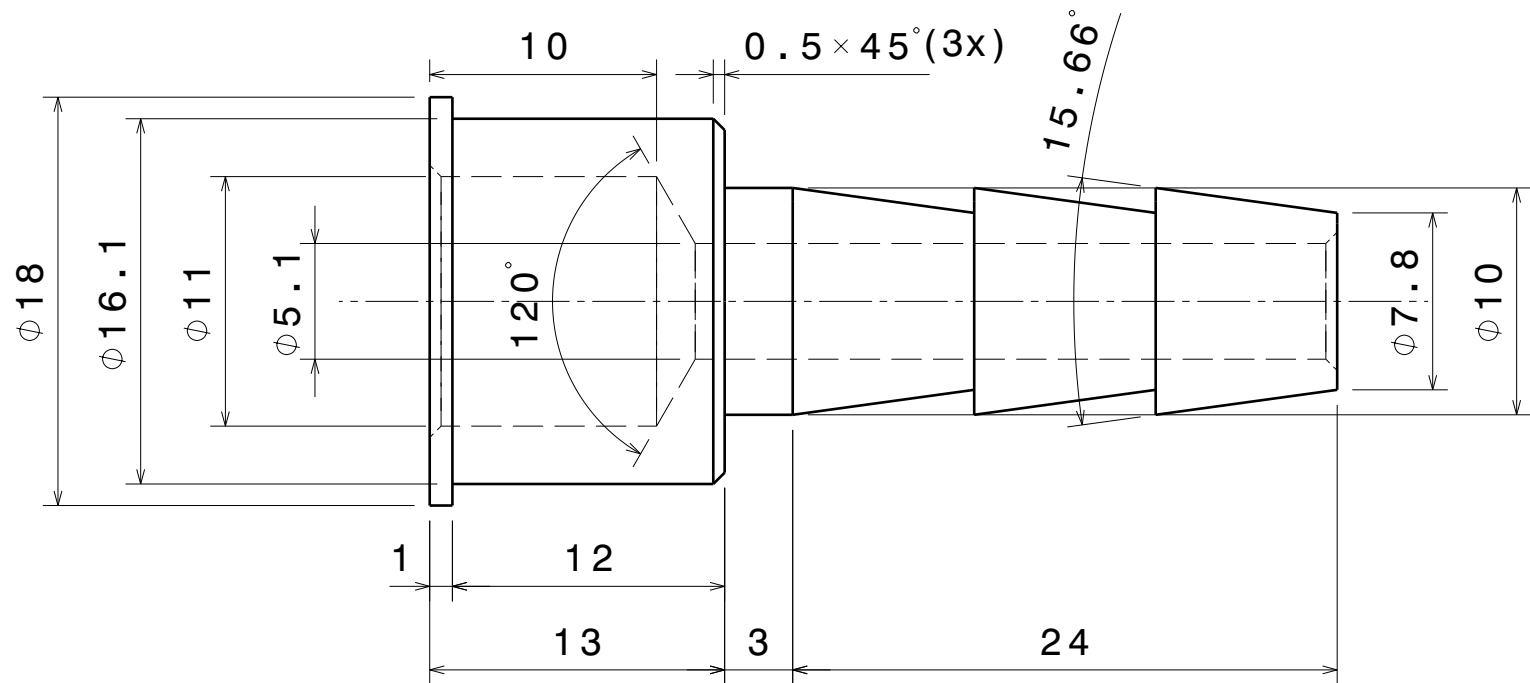
SHEET

1 / 1

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

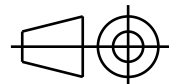
Stock Description:
Ø22x▽43



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

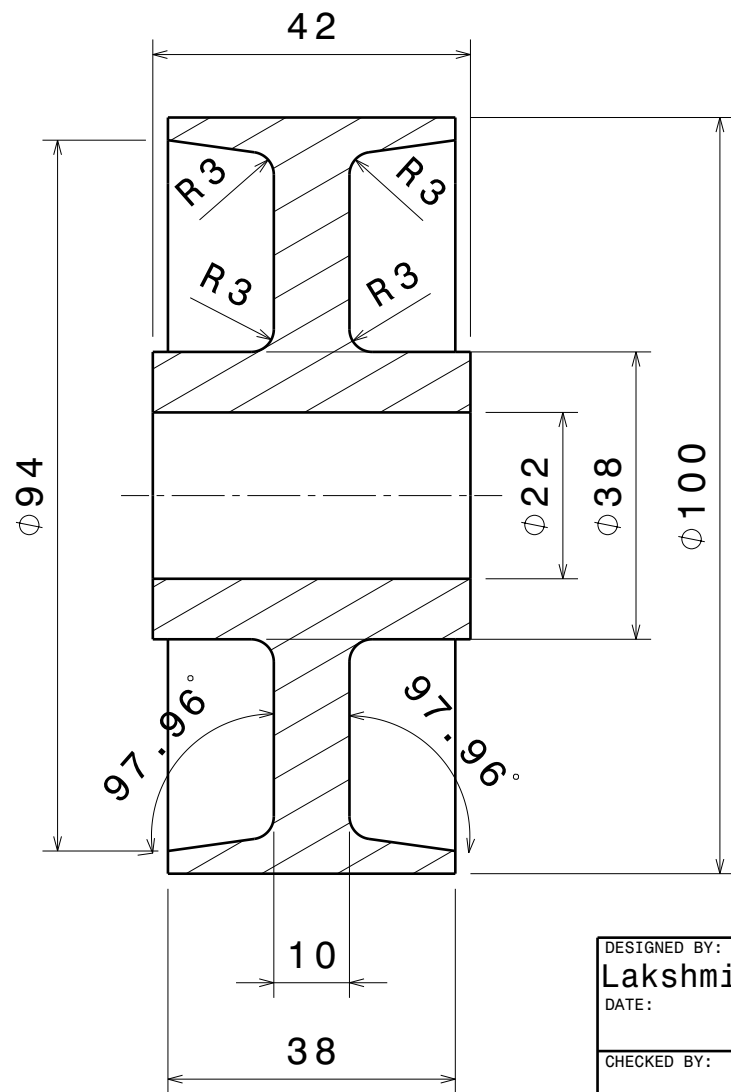
CAM TURNING EXERCISE (LEVEL 2) - 18

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

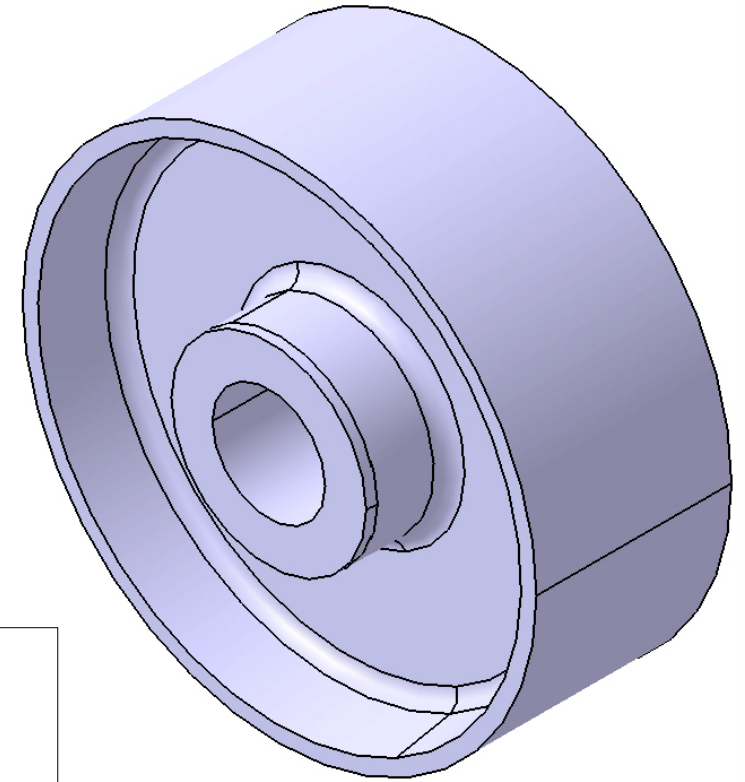
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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-



Section view A-A

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



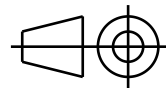
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 19

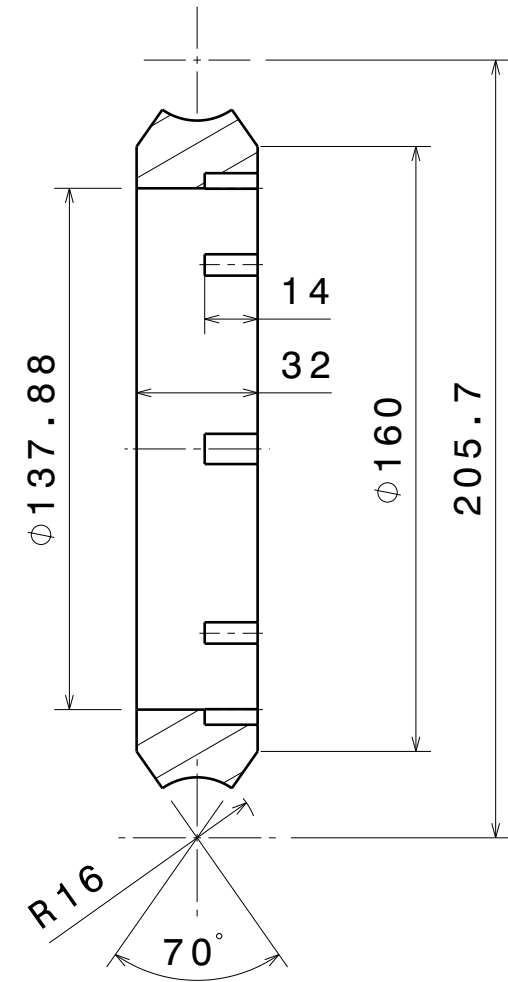
engineeringcadcamcae2018@gmail.com

SHEET

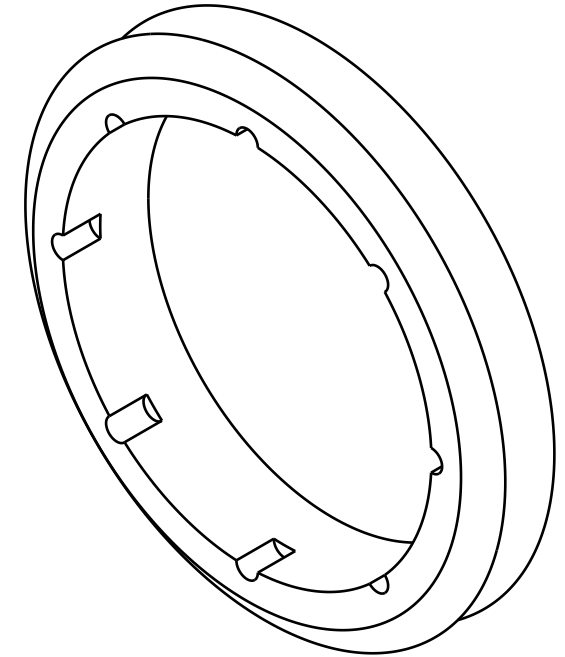
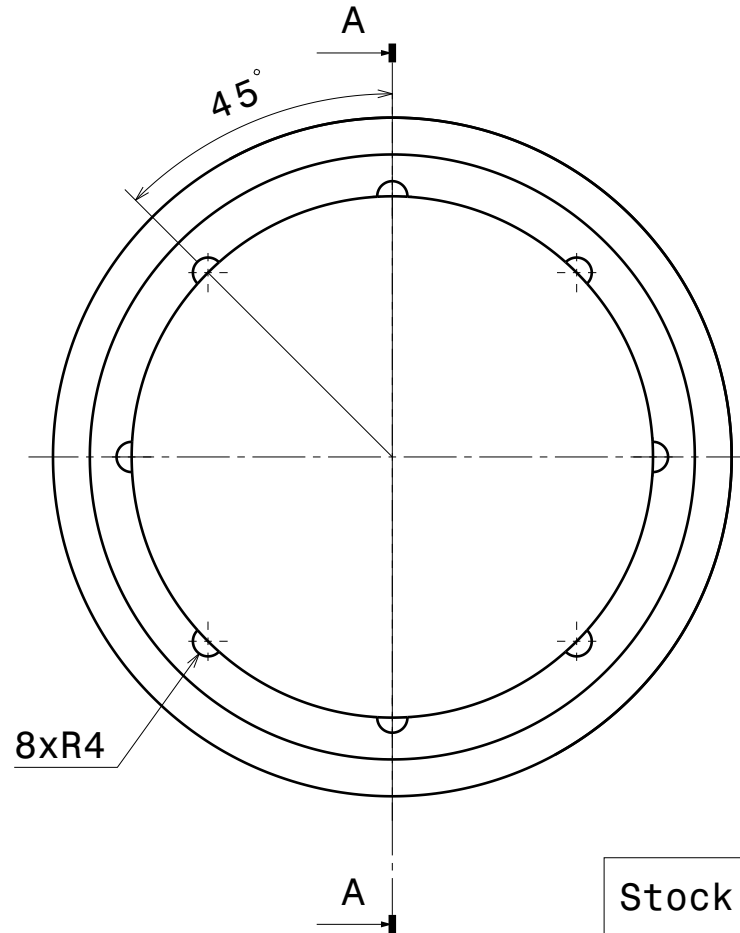
1 / 1

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



Section view A-A



Isometric view

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

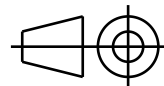
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM TURNING EXERCISE (LEVEL 2) - 20

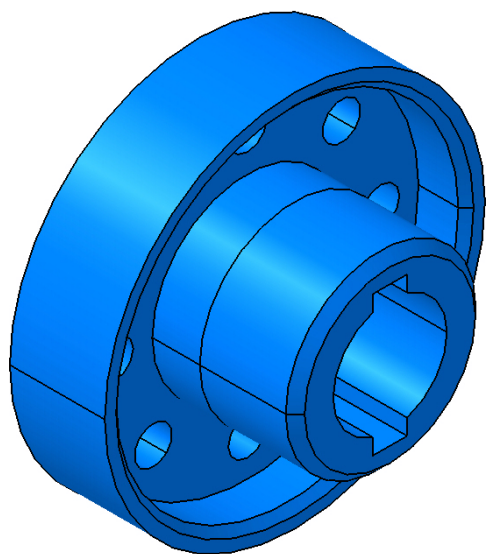
engineeringcadcamcae2018@gmail.com

SHEET

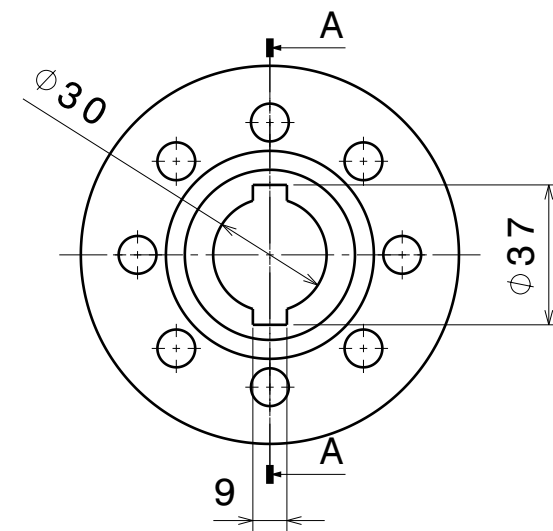
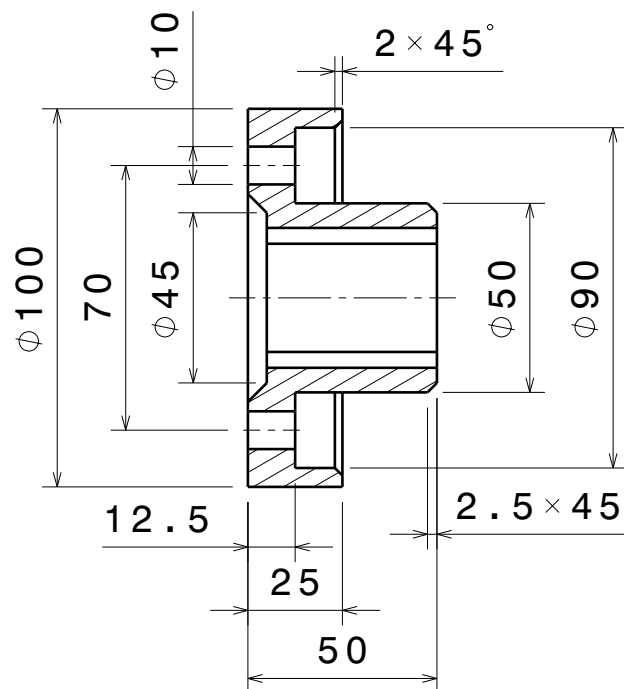
1 / 1

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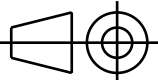
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

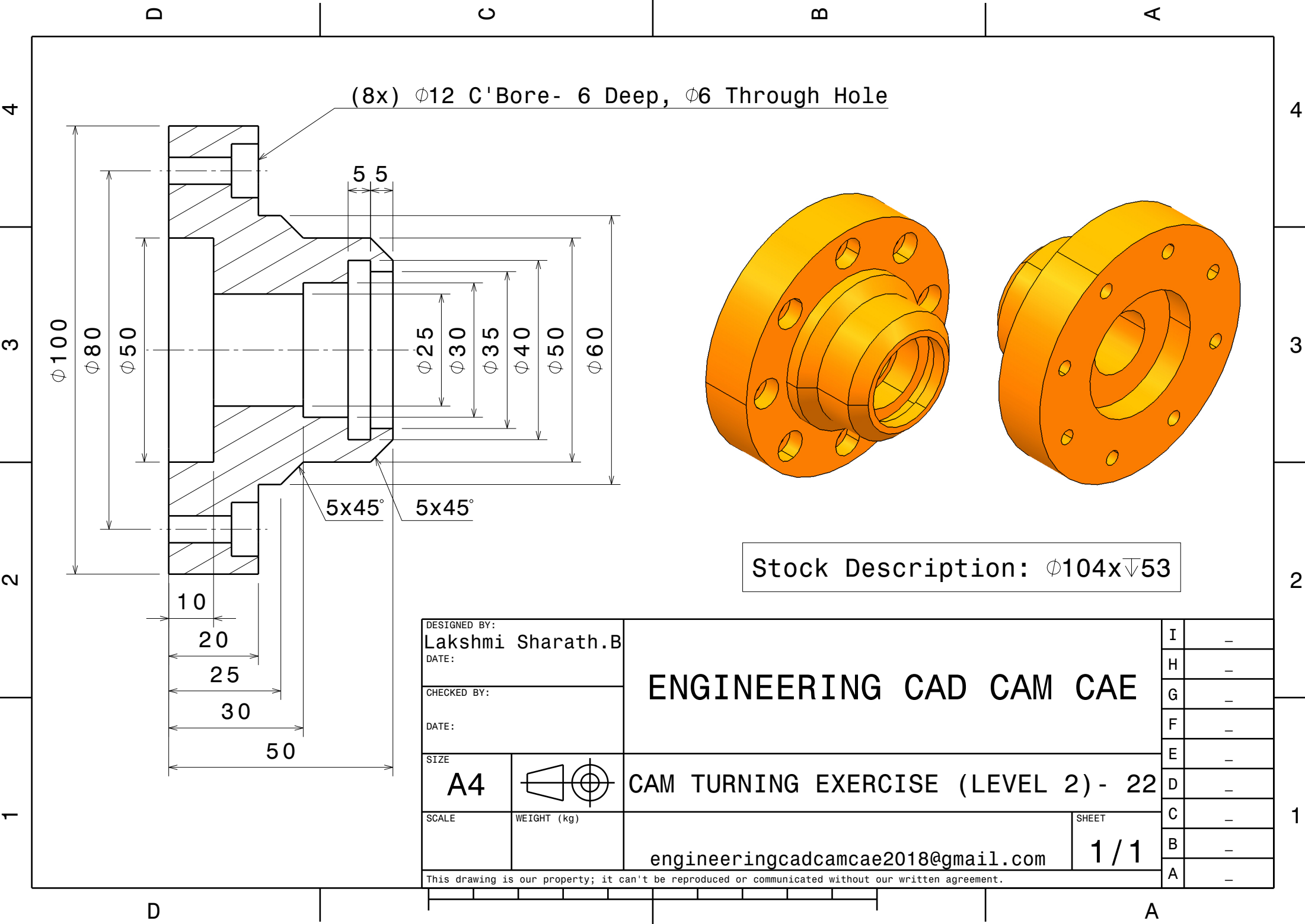


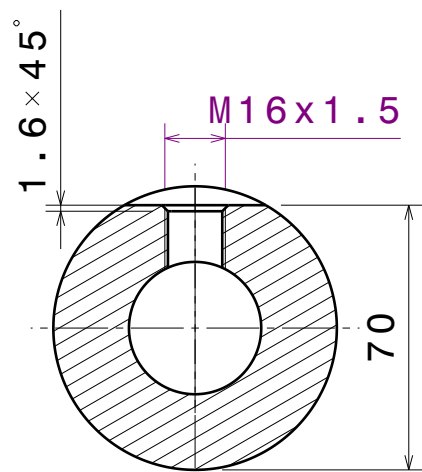
Front view



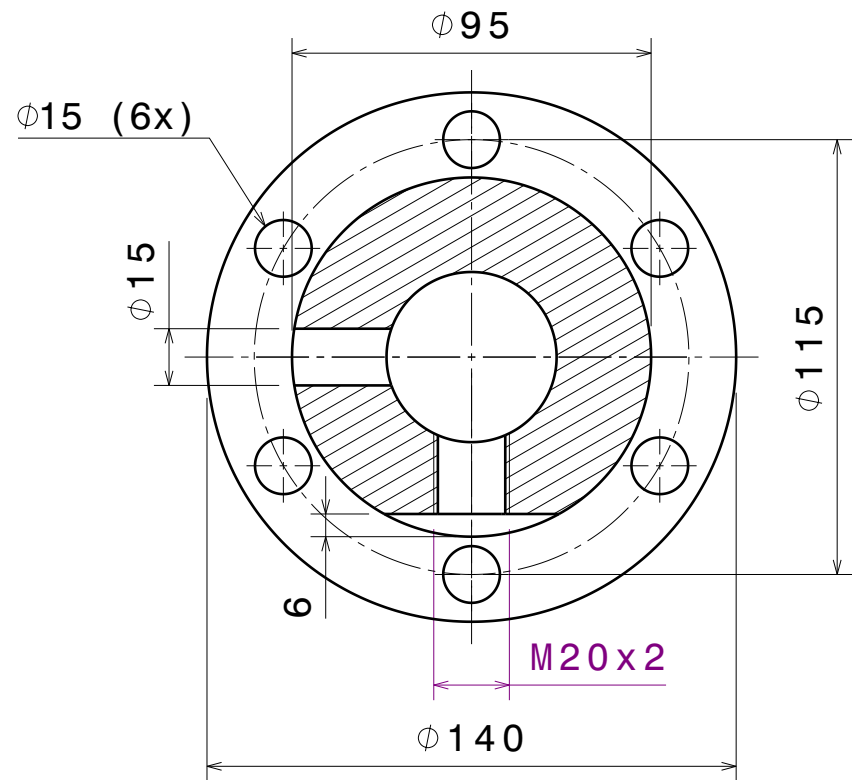
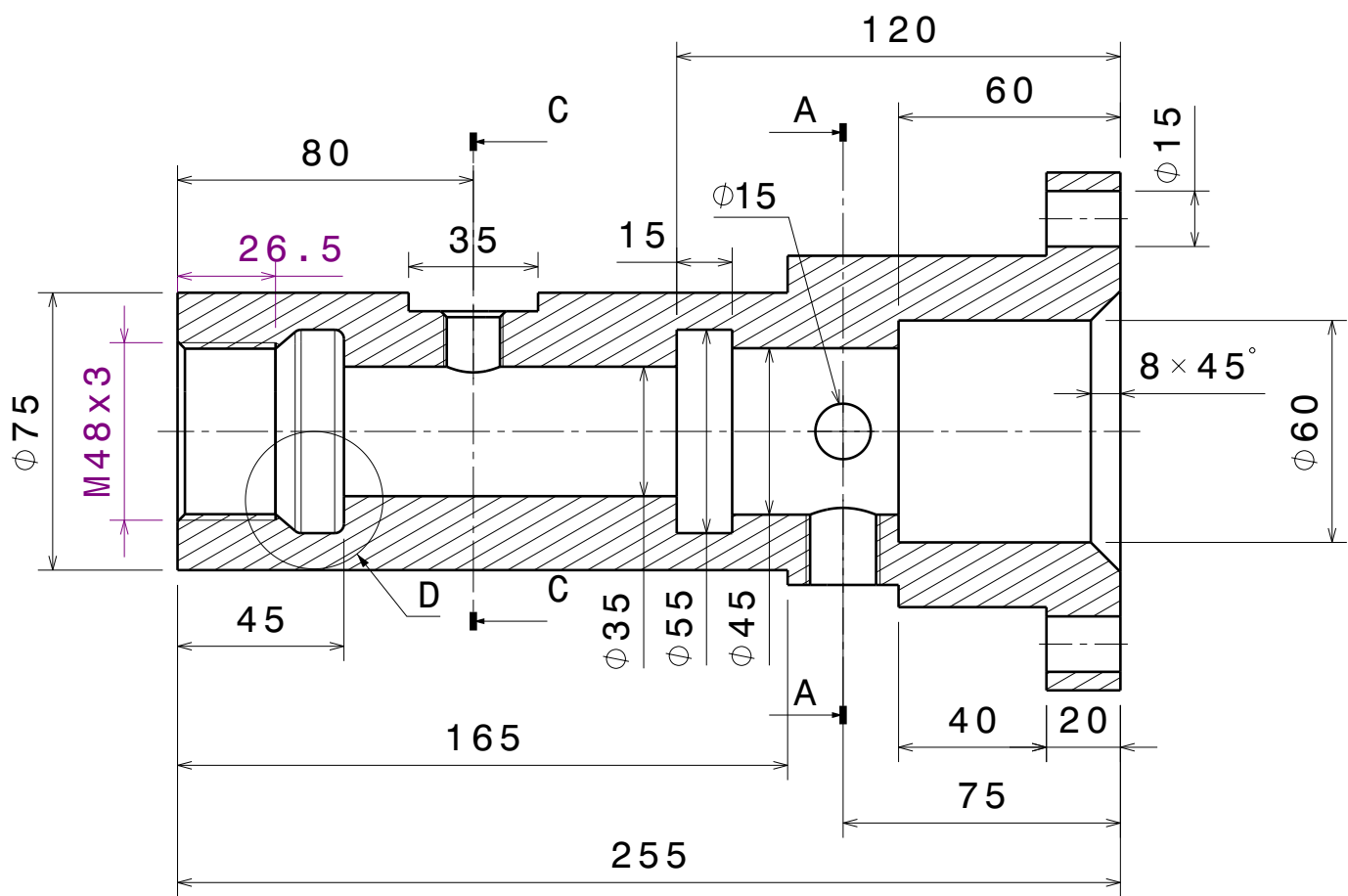
Stock Description: $\phi 104 \times \nabla 53$

DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY:				H	—
DATE:				G	—
SIZE A4		CAM TURNING EXERCISE (LEVEL 2) - 21		F	—
SCALE	WEIGHT (kg)			E	—
		engineeringcadcamcae2018@gmail.com		D	—
				C	—
		1 / 1		B	—
				A	—
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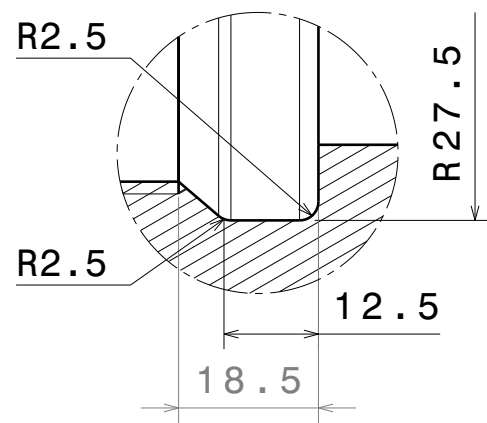




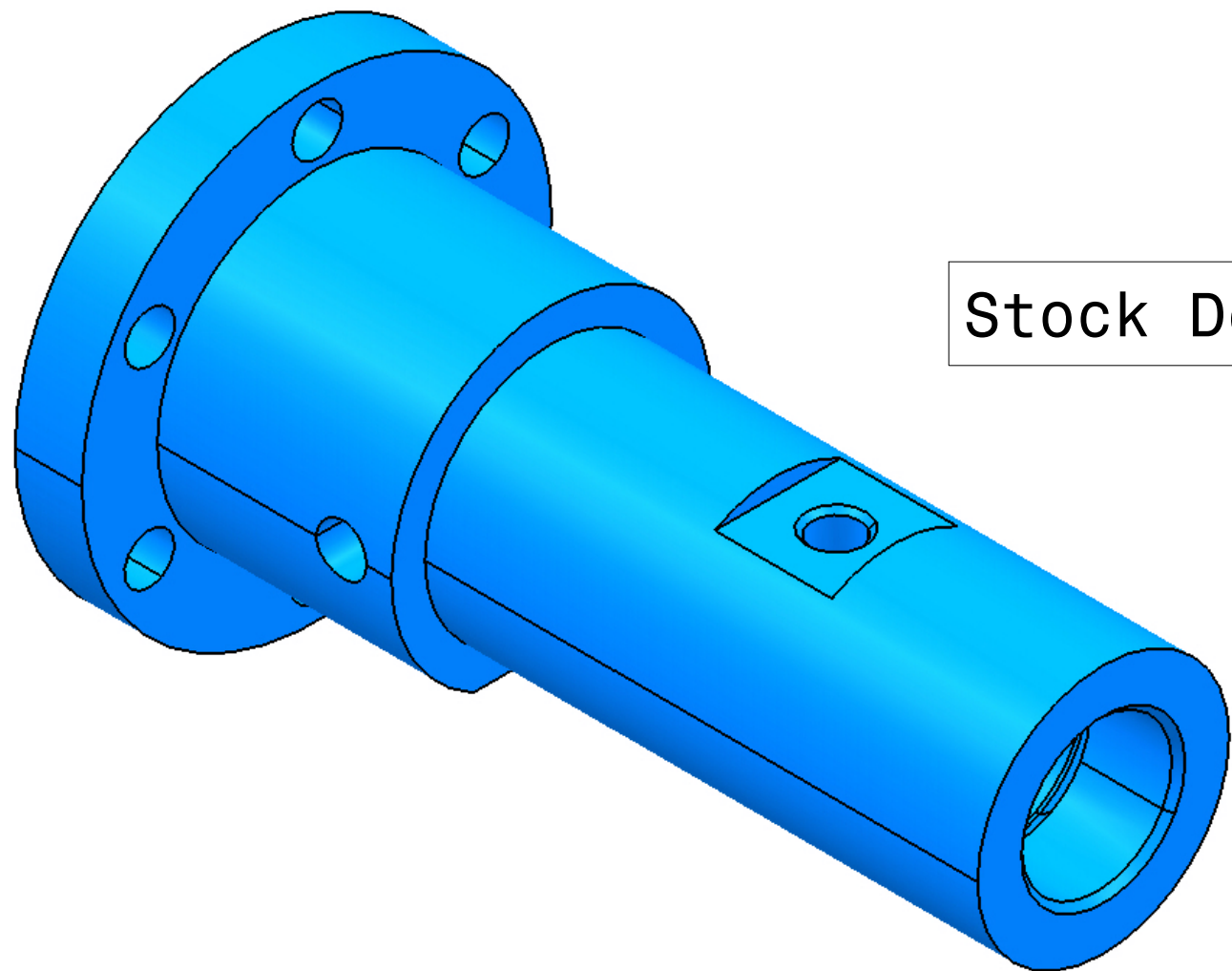
Section view C-C



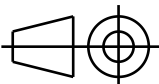
Section view A-A



Detail D (1:1)



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

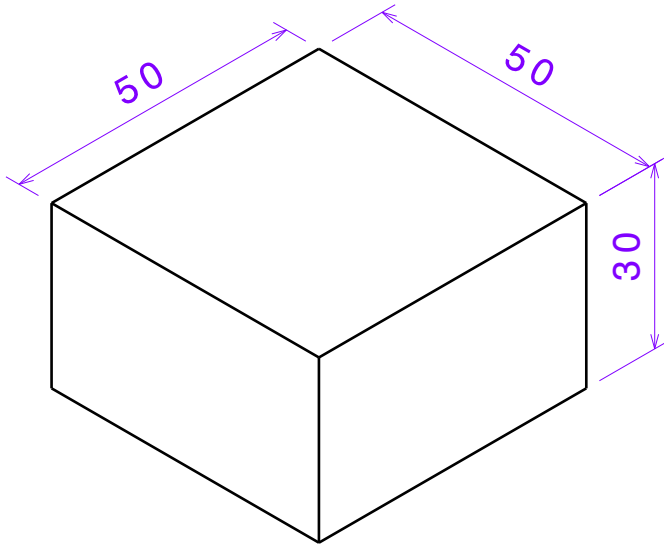
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A3		CAM TURNING EXERCISE (LEVEL 2) - 23	E	—
SCALE	WEIGHT (kg)		D	—
			C	—
			B	—
		engineeringcadcamcae2018@gmail.com	A	—
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ENGINEERING CAD CAM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

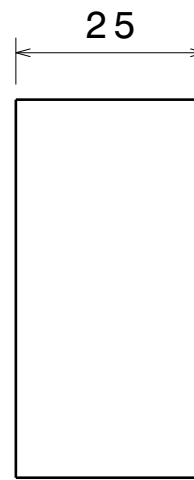
(A Professional Training Institute)

CAM – Milling Practice Drawings

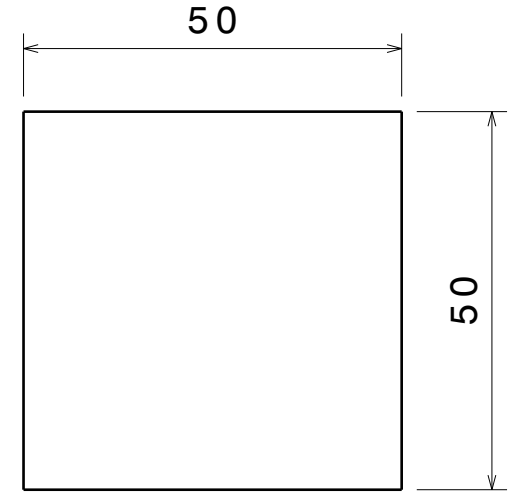
Stock Description: 50x50x30



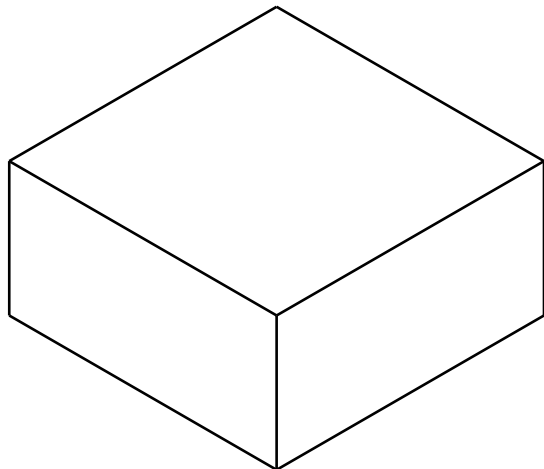
Stock Isometric View



Right view



Front view



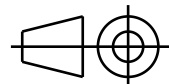
Part Isometric View

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - FACEMILLING

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

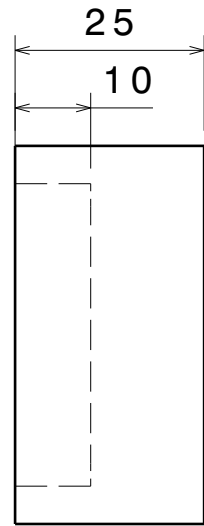
2

2

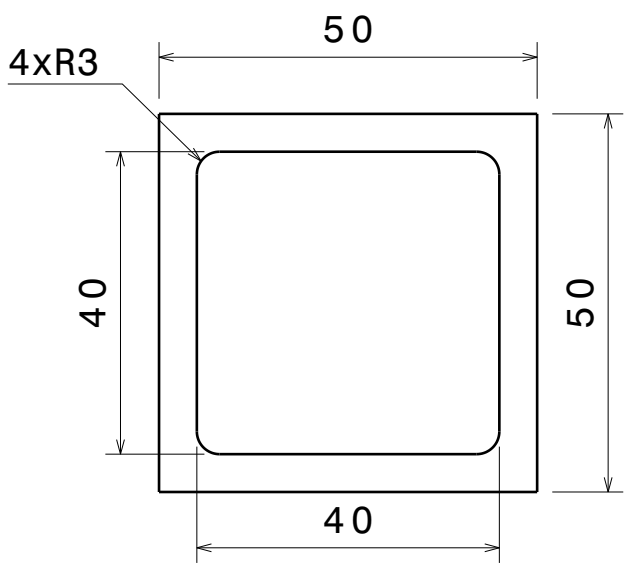
1

1

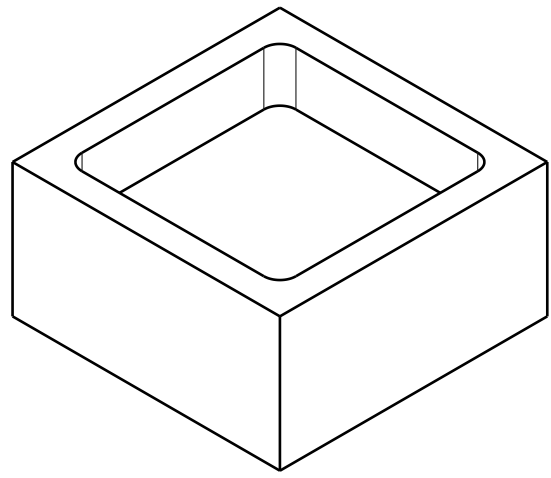
Stock Description: 50x50x30



Right view



Front view



Isometric view

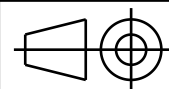
DESIGNED BY:
Lakshmi Sharath.B

DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - POCKET MILLING

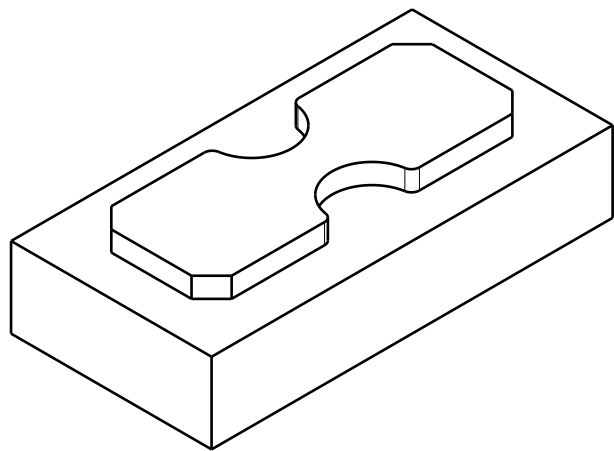
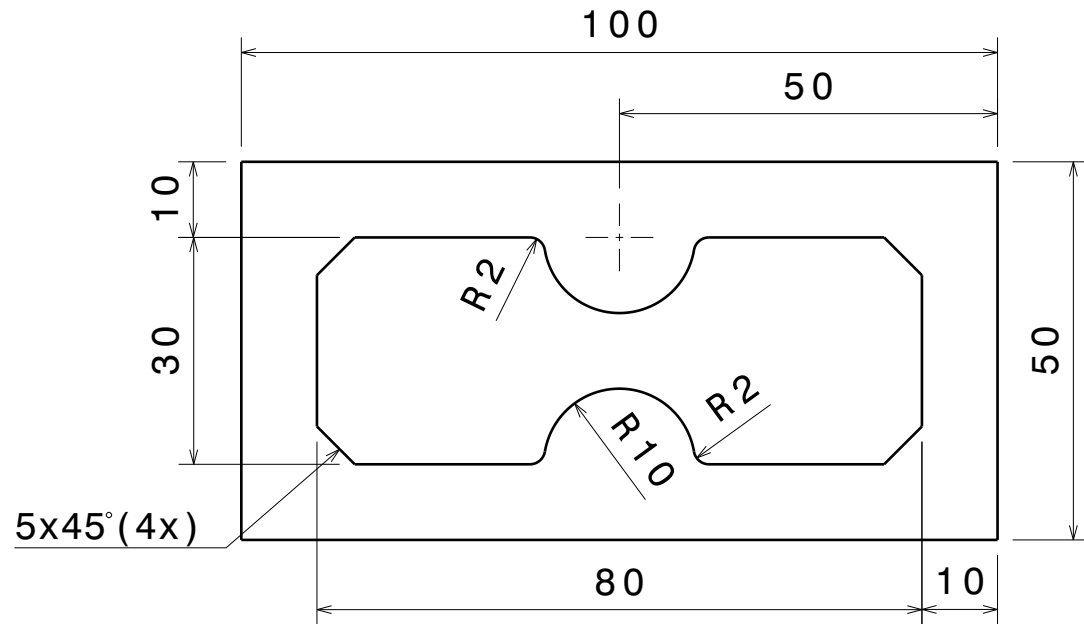
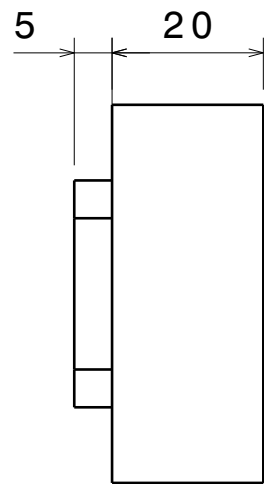
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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

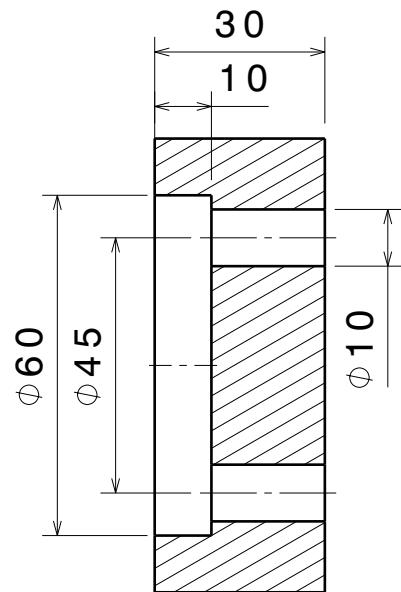
Stock Description:
100x50x30



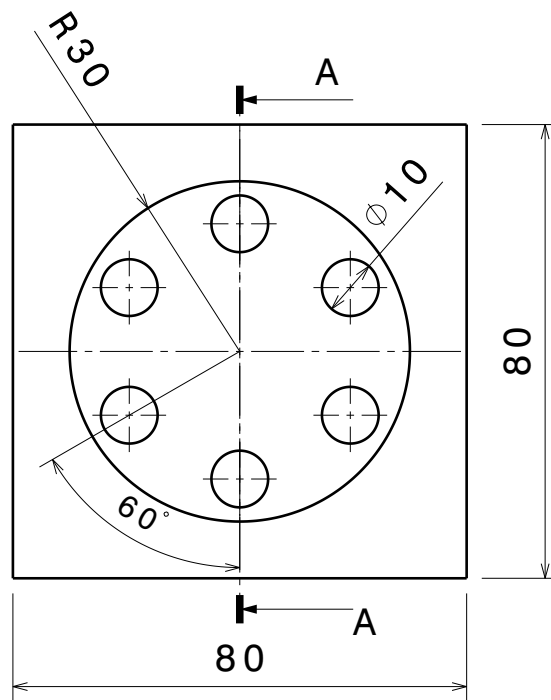
DESIGNED BY: Lakshmi Sharath.B	
DATE:	
CHECKED BY:	
DATE:	
SIZE A4	
SCALE	WEIGHT (kg)

ENGINEERING CAD CAM CAE		
		CAM MILLING EXERCISE- PROFILE MILLING
engineeringcadcamcae2018@gmail.com		SHEET 1 / 1

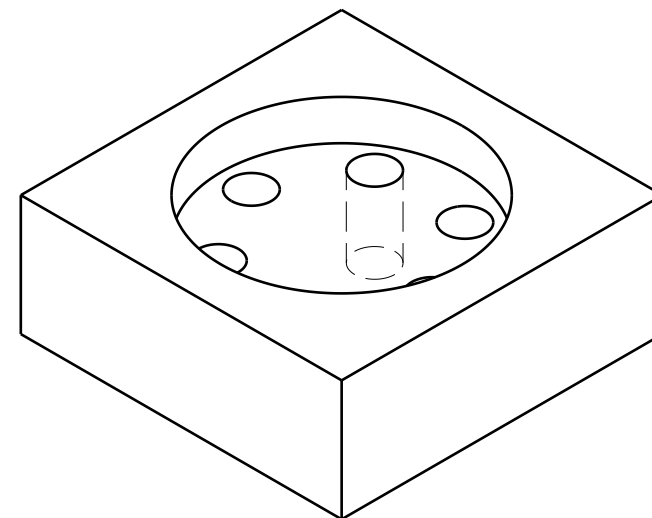
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Section view A-A

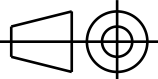


Front view

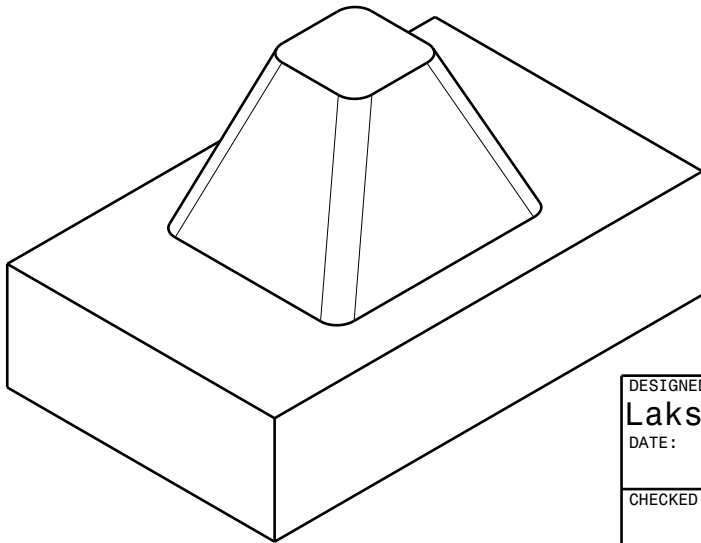
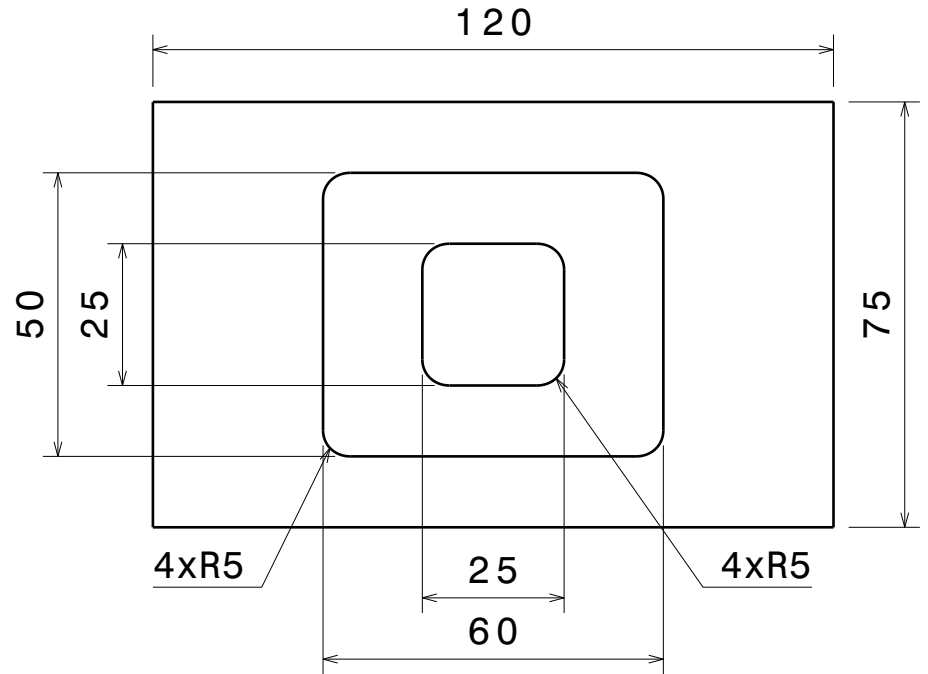
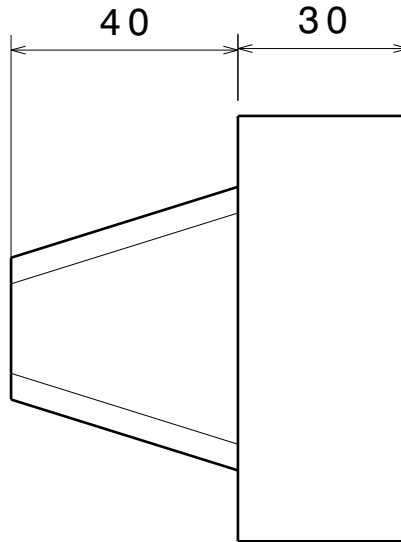


Isometric view

Stock Description:80x80x32

DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A4		CAM MILLING EXERCISE - DRILLING	E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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Stock Description:
120x75x72

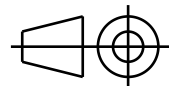


DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - CONTOUR MILLING

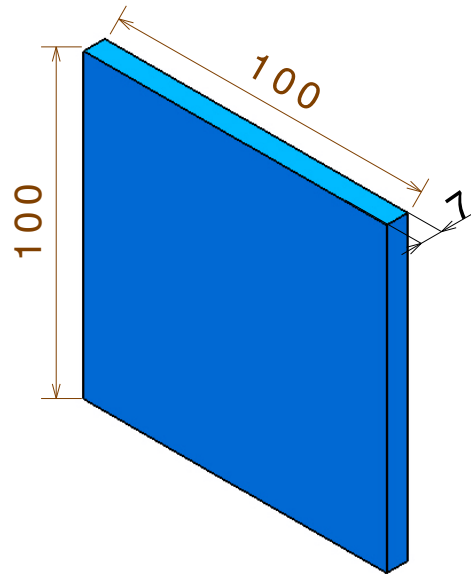
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

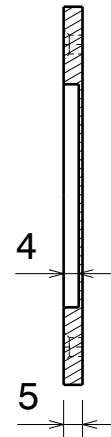
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

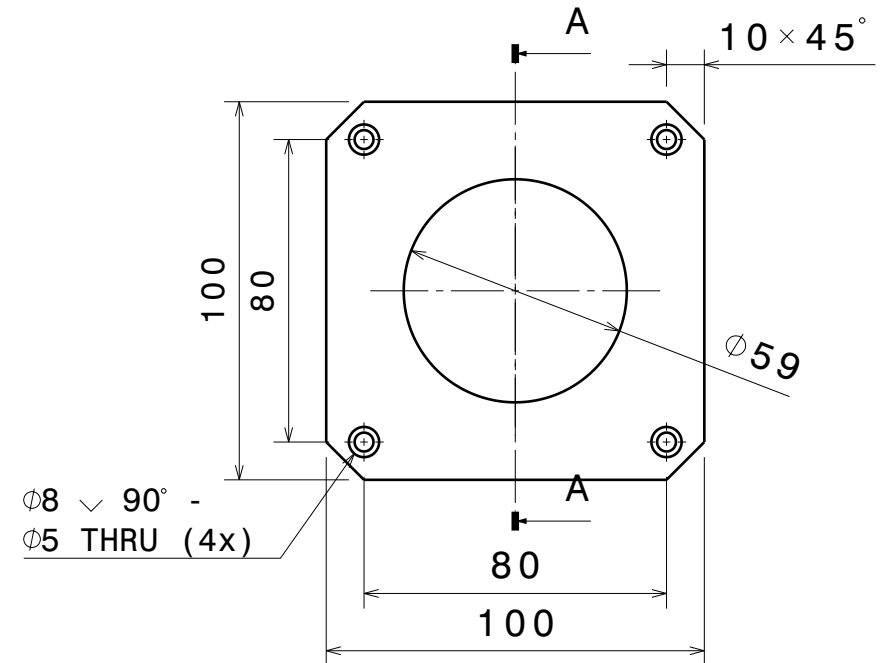
Stock Description: 100x100x7



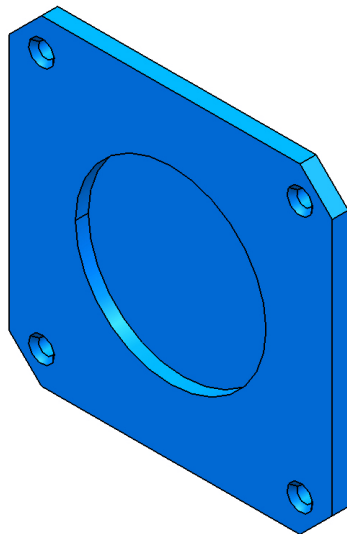
Stock Isometric View



Section view A-A



Front view



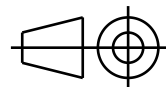
Part Isometric View

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 01

engineeringcadcamcae2018@gmail.com

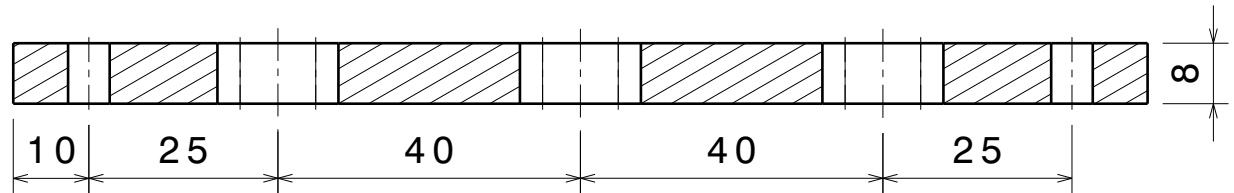
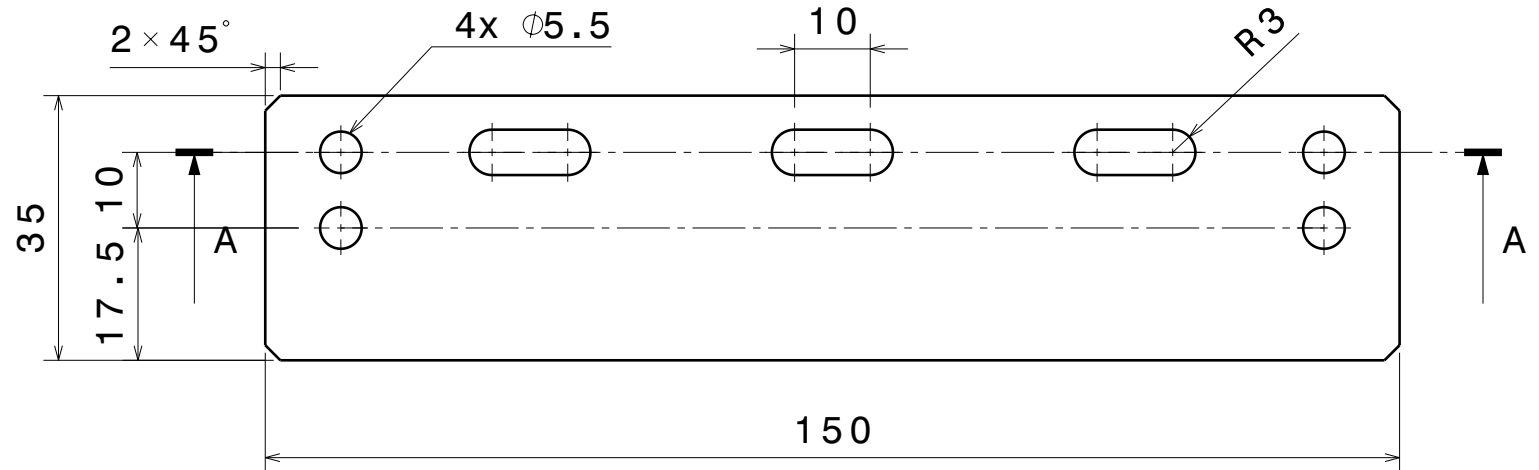
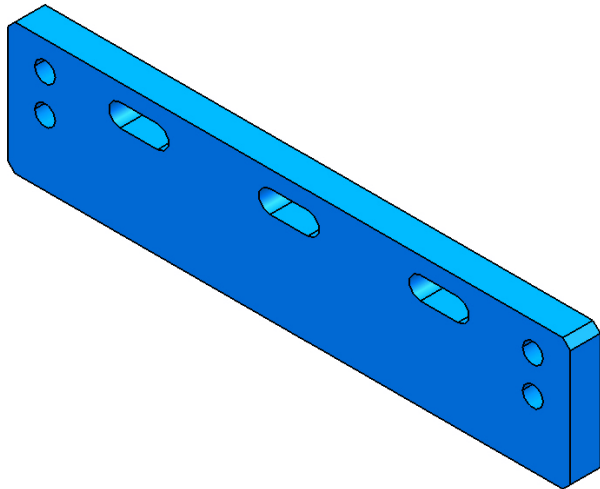
SHEET

1 / 1

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

Stock
Description:
150x35x10



Section view A-A

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4

SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 02

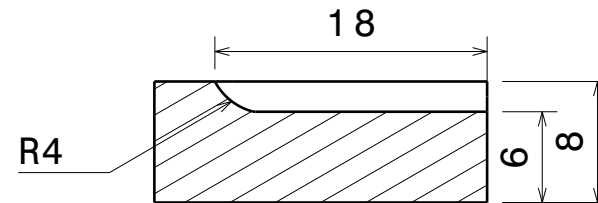
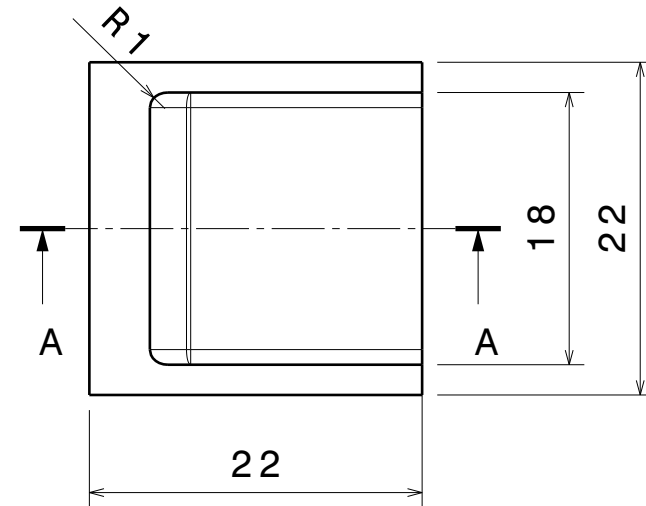
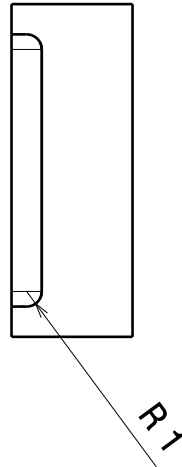
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

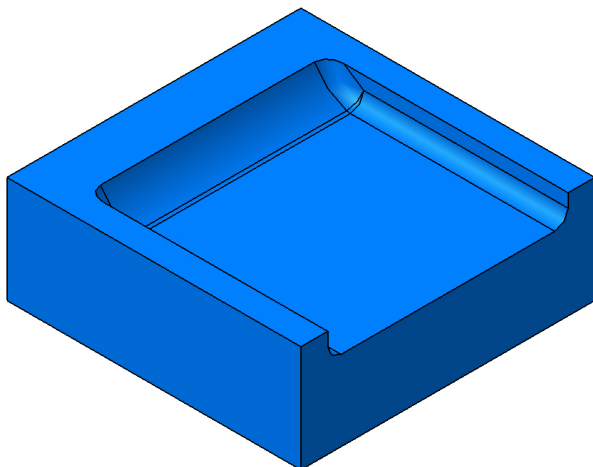
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

Stock Description:
22x22x10



Section view A-A

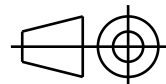


DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

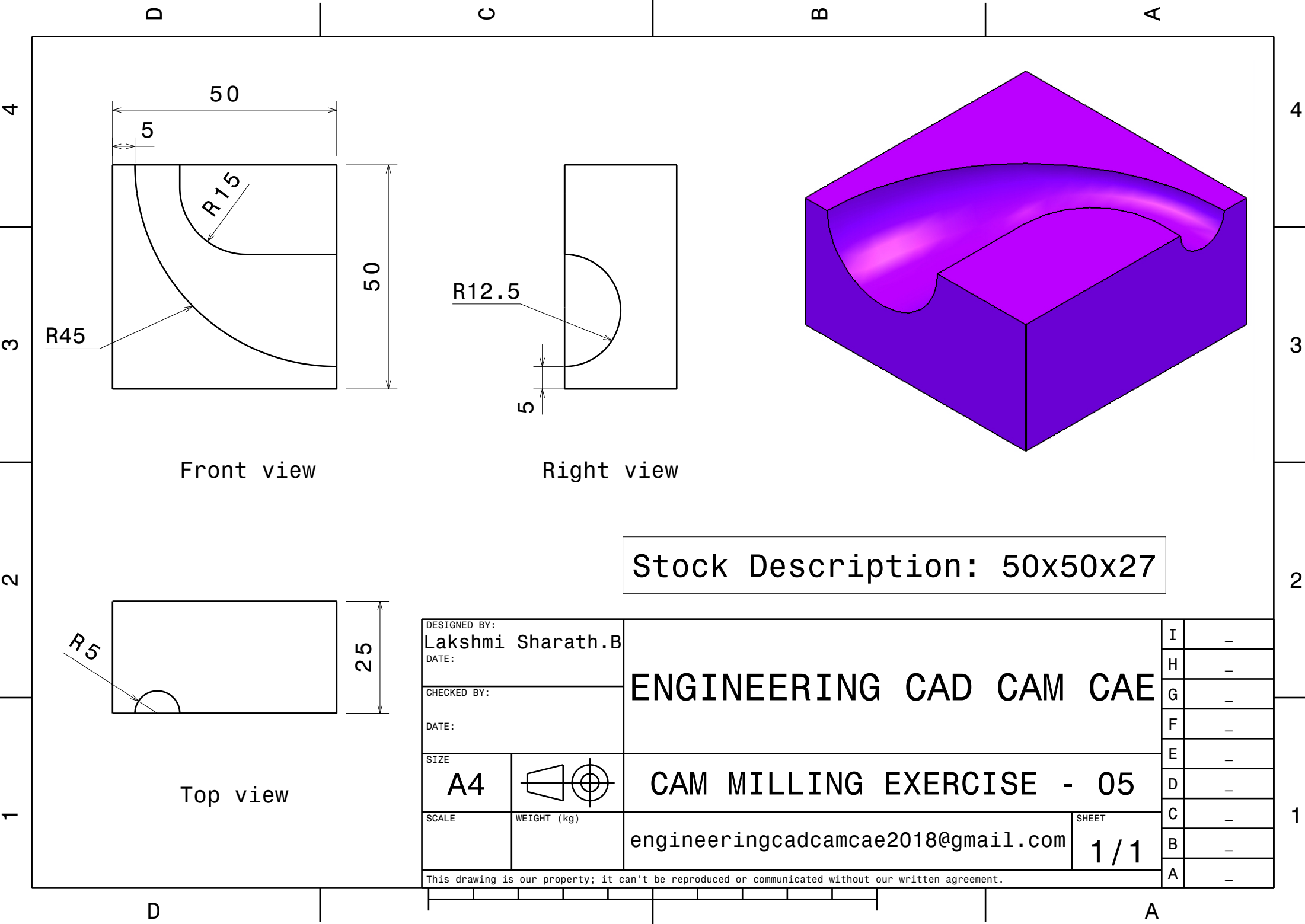
CAM MILLING EXERCISE - 03

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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

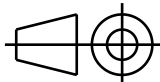


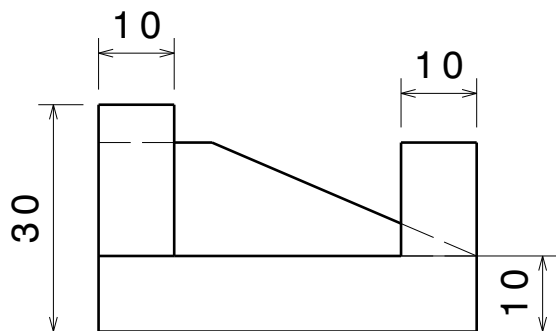
Front view

Right view

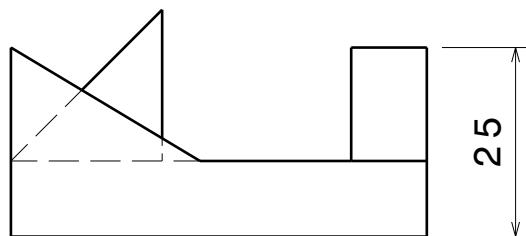
Top view

Stock Description: 50x50x27

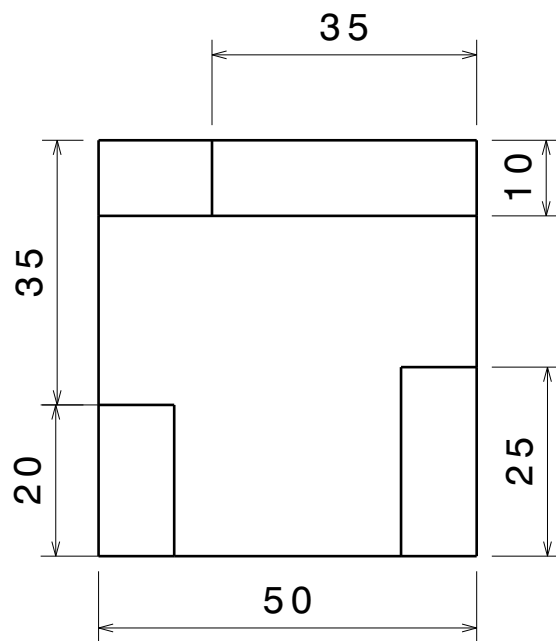
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE		I	—
CHECKED BY: DATE:				H	—
				G	—
				F	—
SIZE A4		CAM MILLING EXERCISE - 05		E	—
				D	—
SCALE	WEIGHT (kg)	engineeringcadcamcae2018@gmail.com		C	—
				B	—
		SHEET 1 / 1		A	—
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Front view

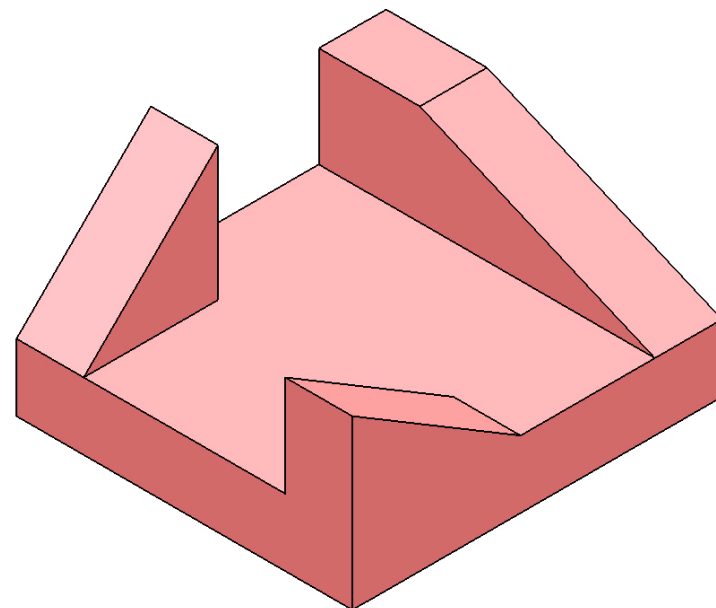


Right view



Top view

Stock
Description:
50x55x32



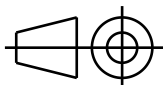
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 06

engineeringcadcamcae2018@gmail.com

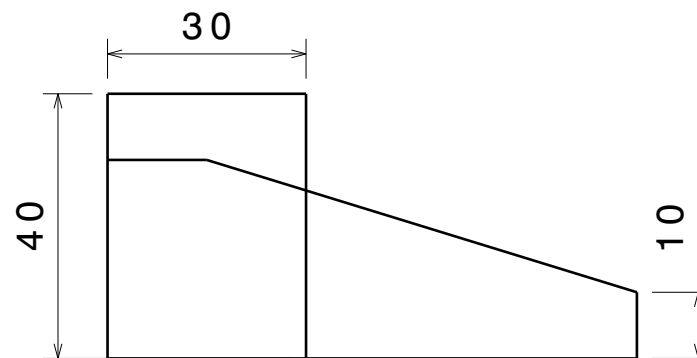
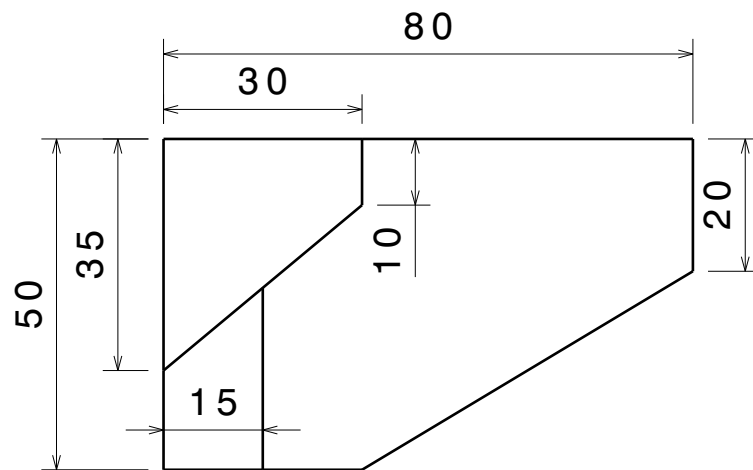
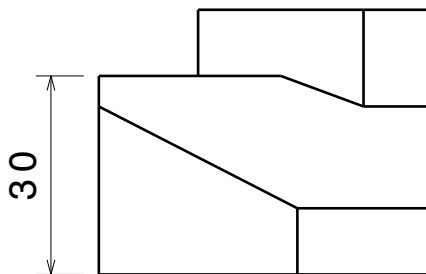
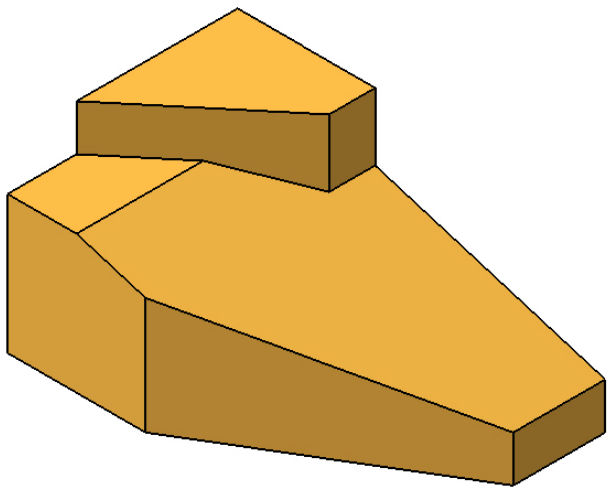
SHEET

1 / 1

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

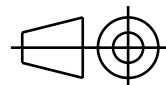
Stock Description:
80x50x42



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 07

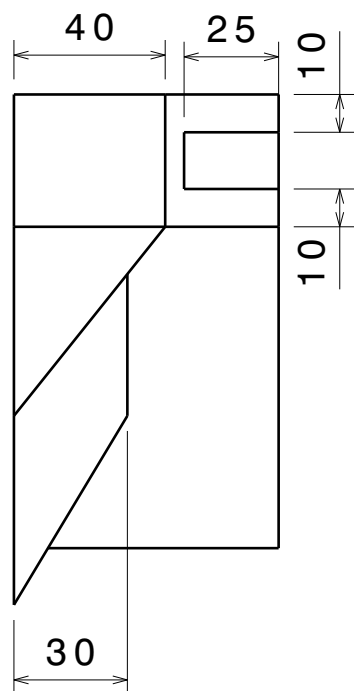
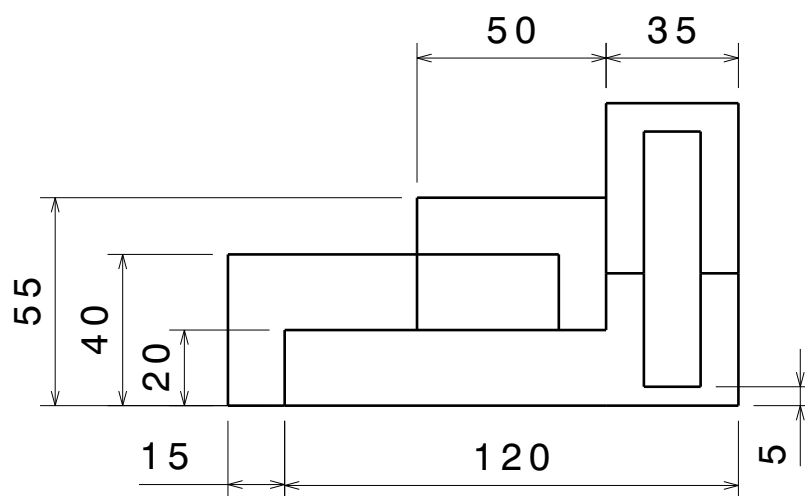
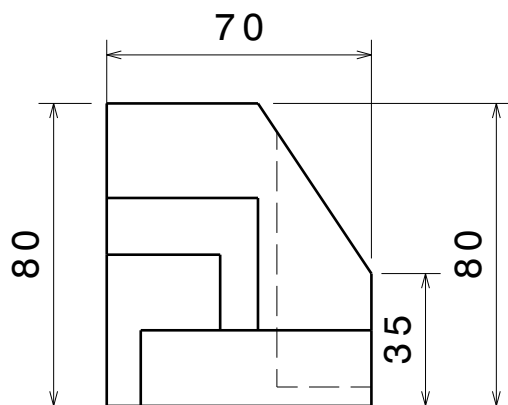
engineeringcadcamcae2018@gmail.com

SHEET

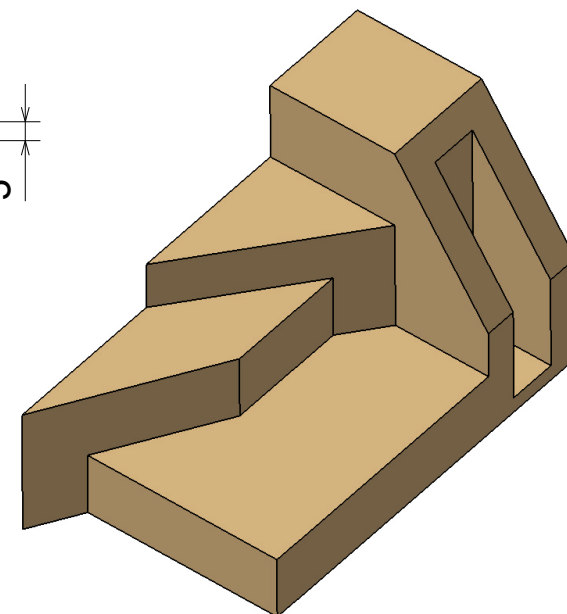
1 / 1

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



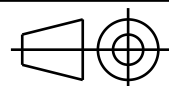
Stock Description:
135x70x82



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 08

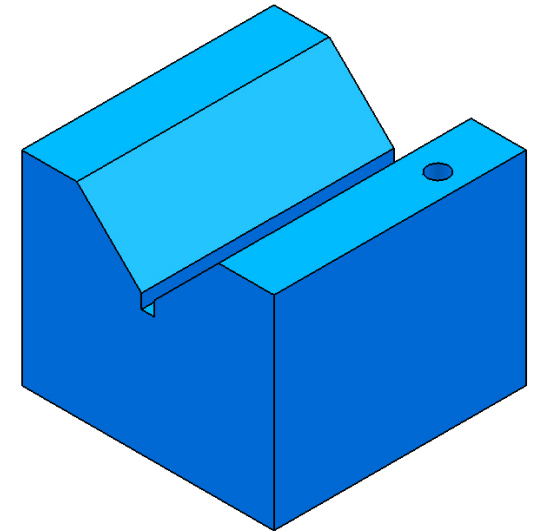
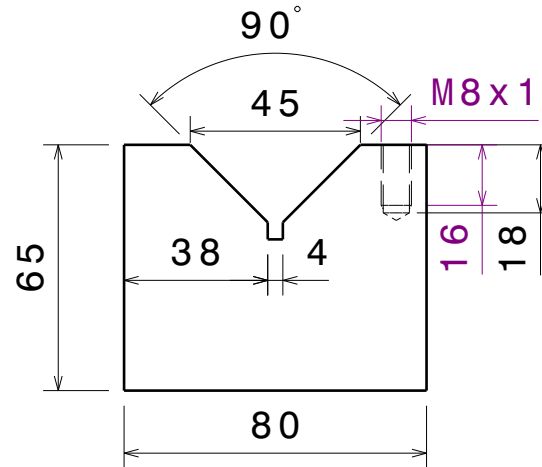
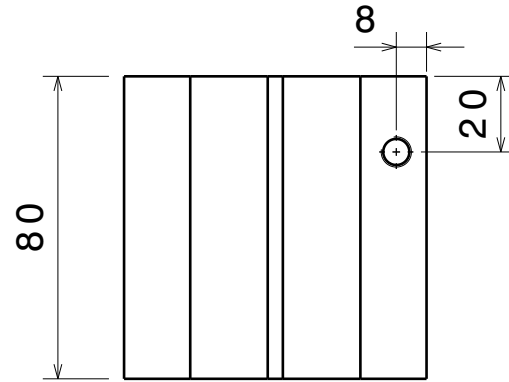
engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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

Stock
Description:
80x80x67



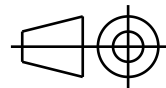
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 09

engineeringcadcamcae2018@gmail.com

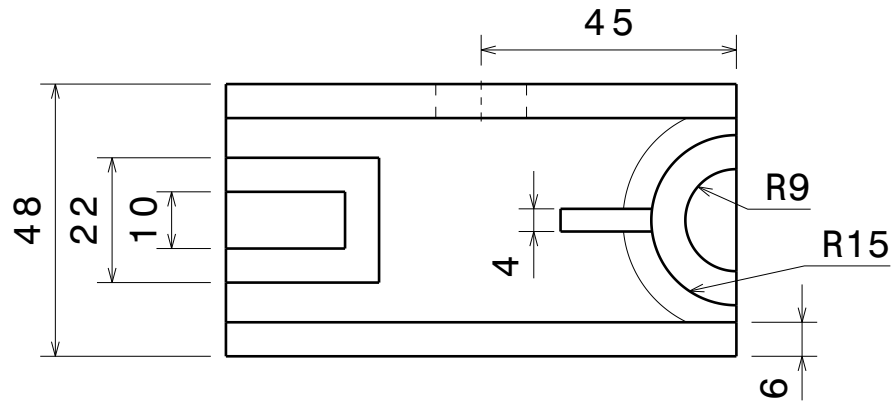
SHEET

1 / 1

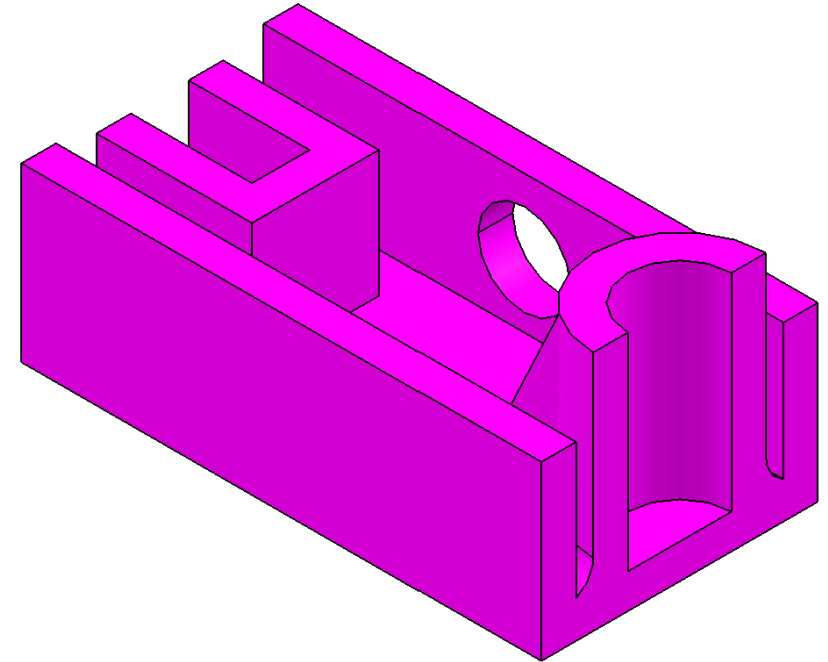
This drawing is our property; it can't be reproduced or communicated without our written agreement.

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

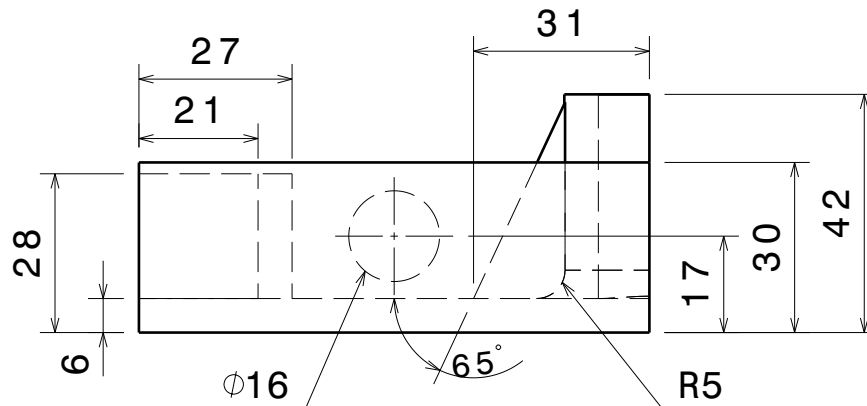
Top view



Stock Description: 90x48x44



Front view



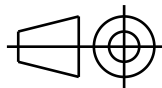
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 10

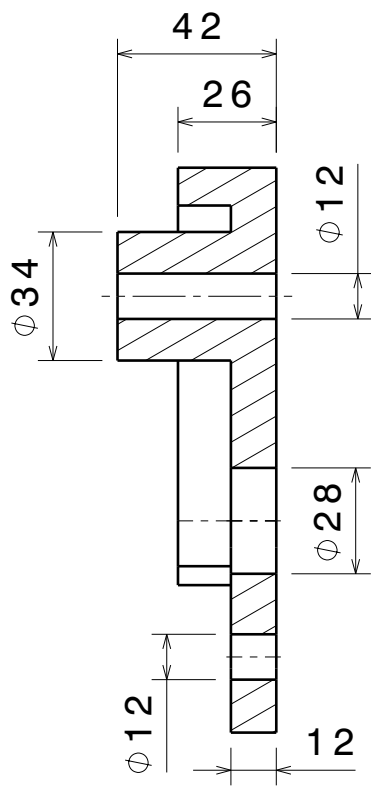
engineeringcadcamcae2018@gmail.com

SHEET

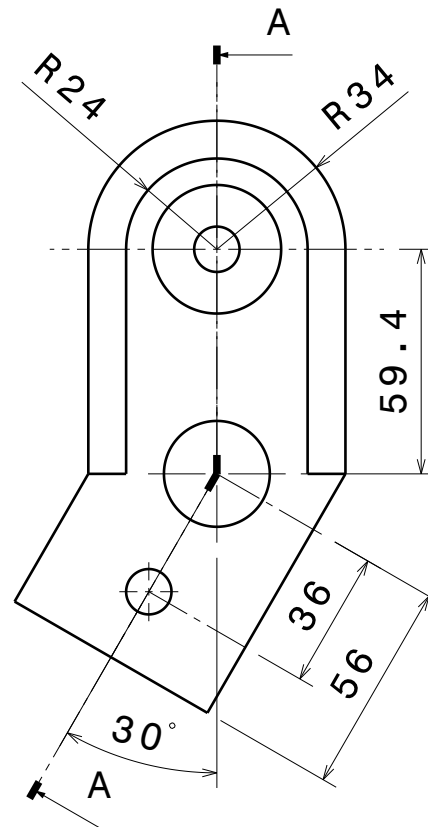
1 / 1

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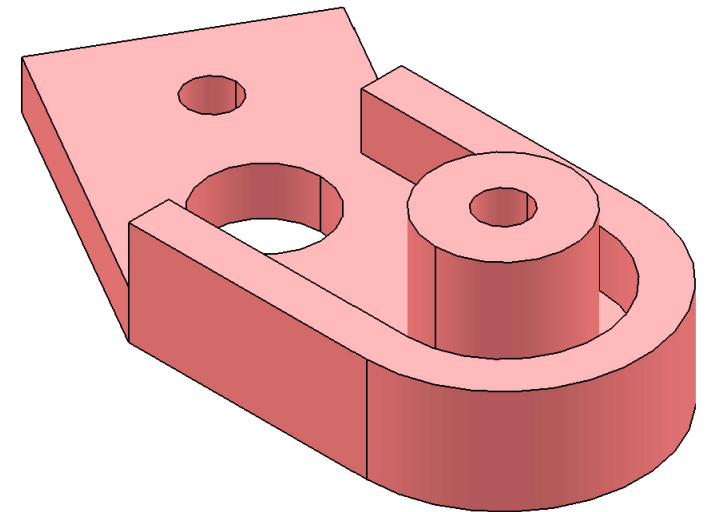
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

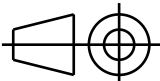


Section view A-A



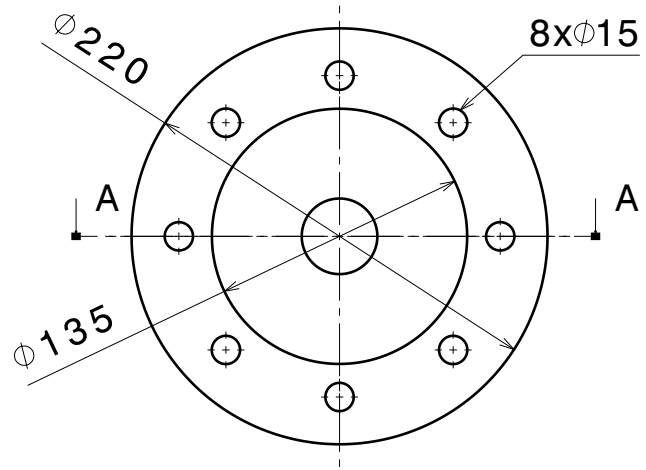
Stock Description:
89x159x44



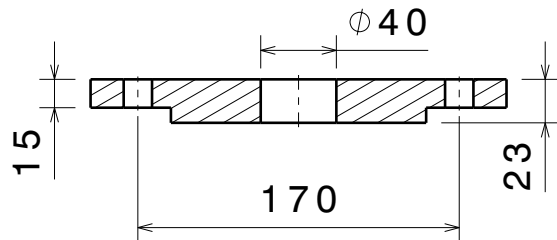
DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A4		CAM MILLING EXERCISE - 11	E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—

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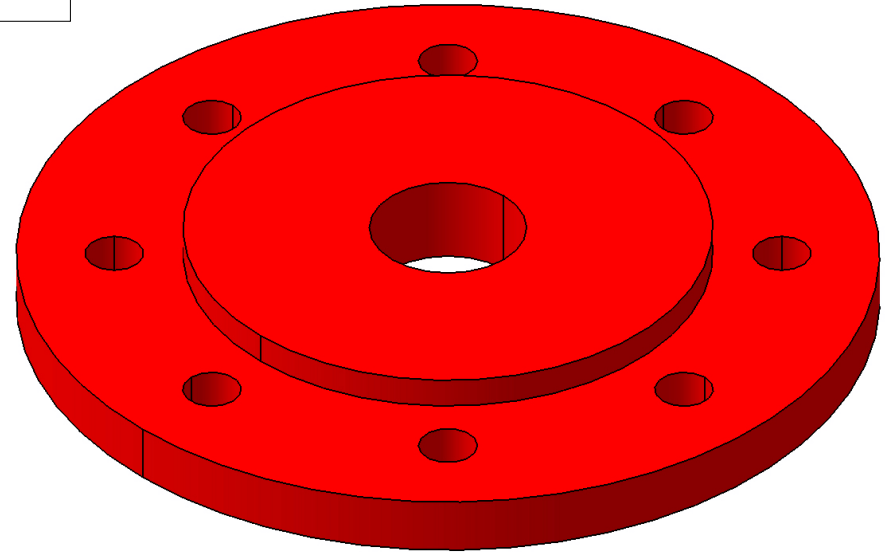
This drawing is our property; it can't be reproduced or communicated without our written agreement.

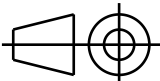


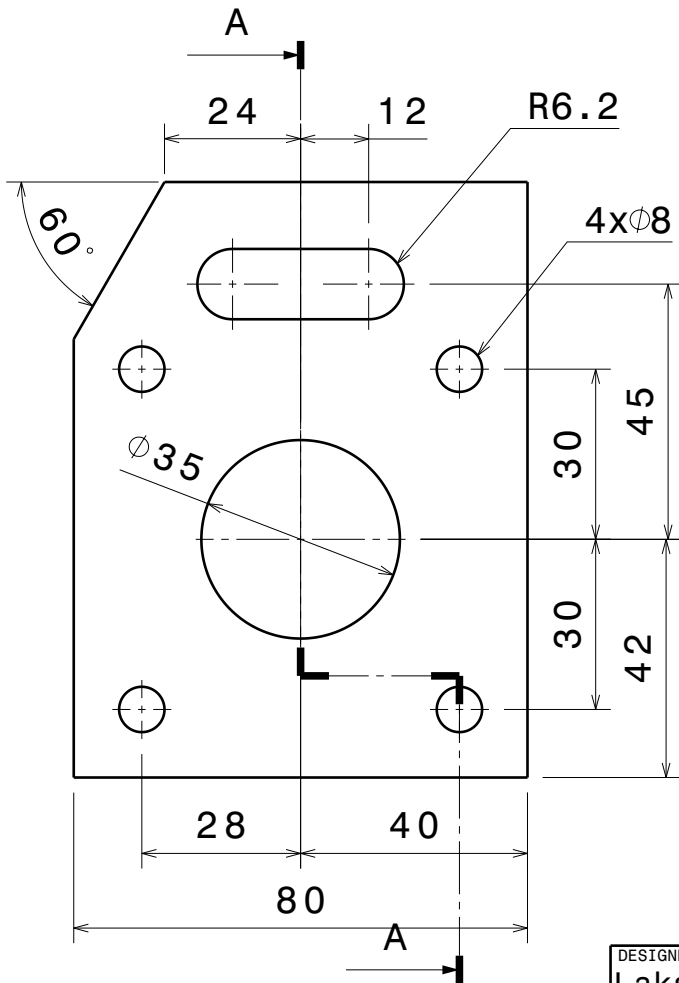
Stock
Description:
 $\phi 220 \times \nabla 25$



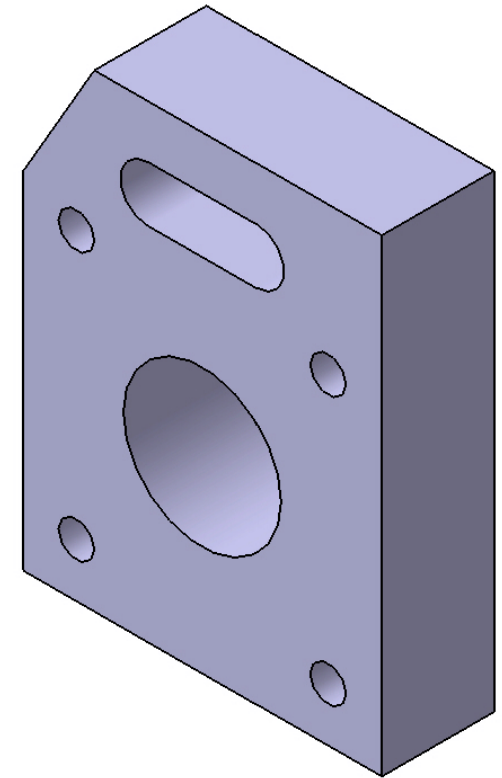
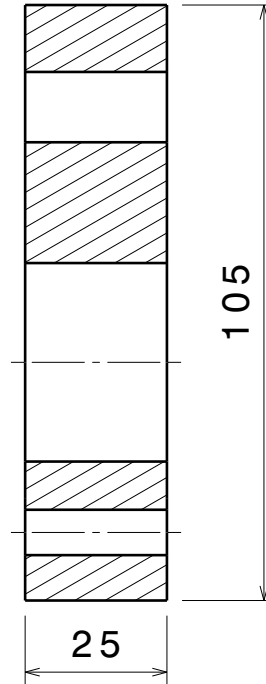
Section view A-A



DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
			F	—
SIZE A4		CAM MILLING EXERCISE - 12	E	—
SCALE	WEIGHT (kg)		D	—
		engineeringcadcamcae2018@gmail.com	C	—
			B	—
			A	—
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Section view A-A

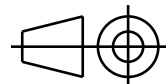


Stock Description:
80x105x27

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 13

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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

D

C

B

A

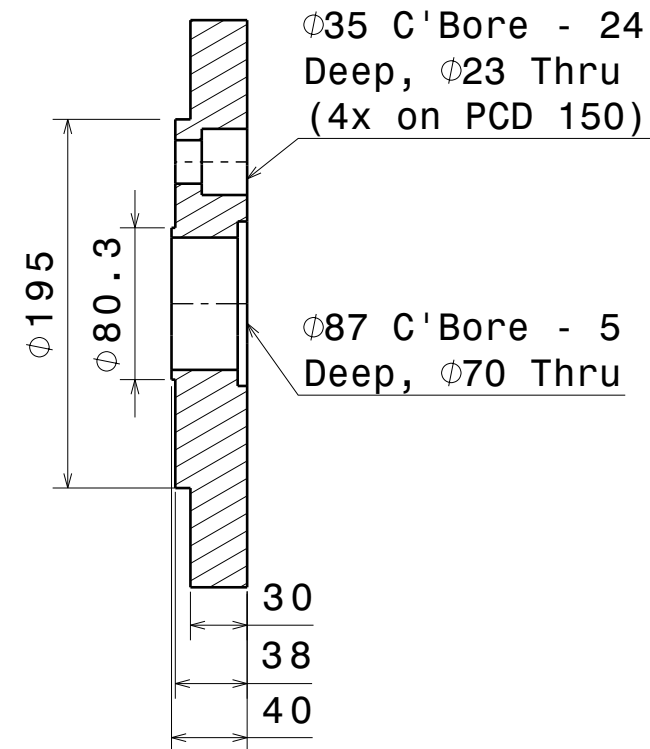
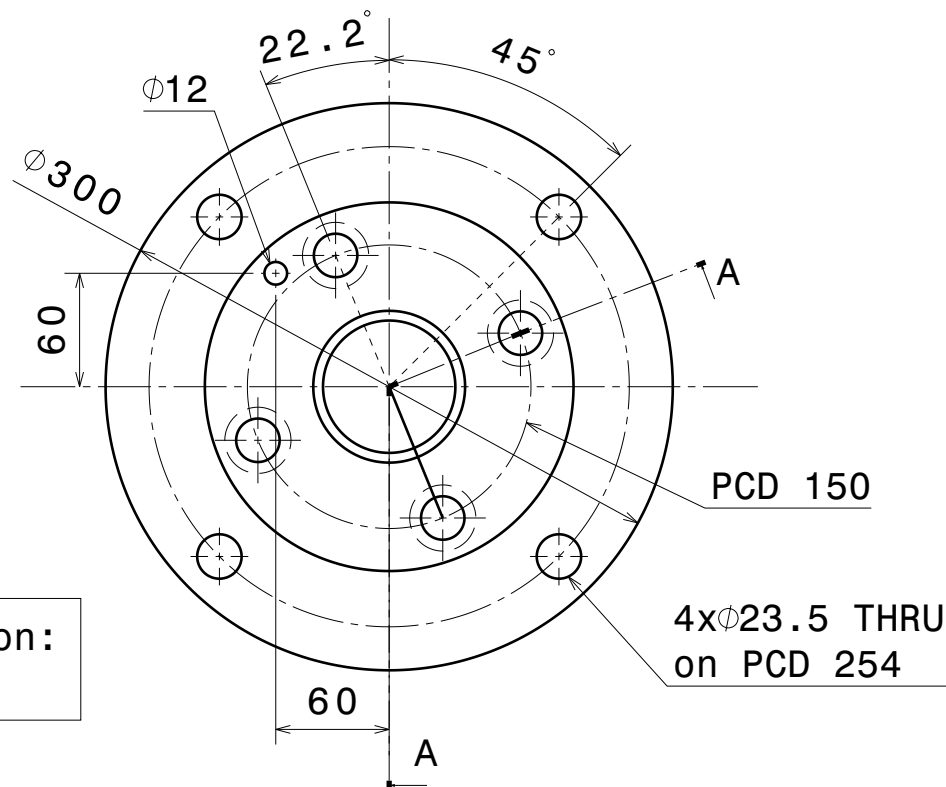
4

3

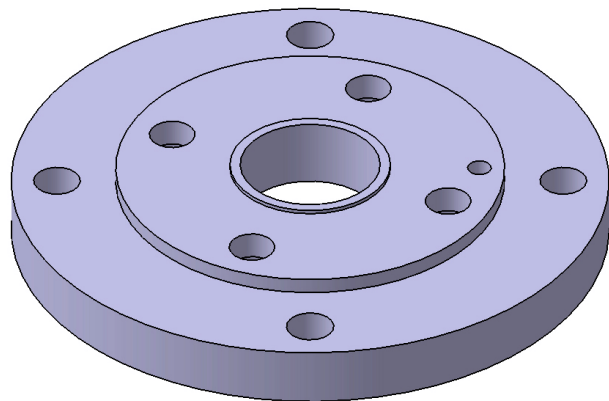
2

1

Section view A-A



Stock Description:
 $\phi 300 \times \nabla 42$



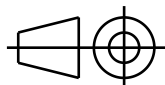
DESIGNED BY:
 Lakshmi Sharath.B
 DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 14

engineeringcadcamcae2018@gmail.com

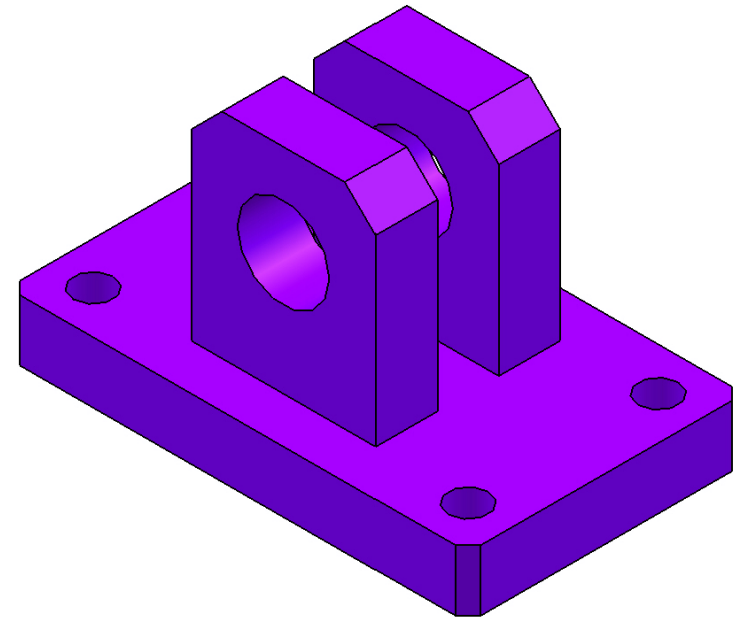
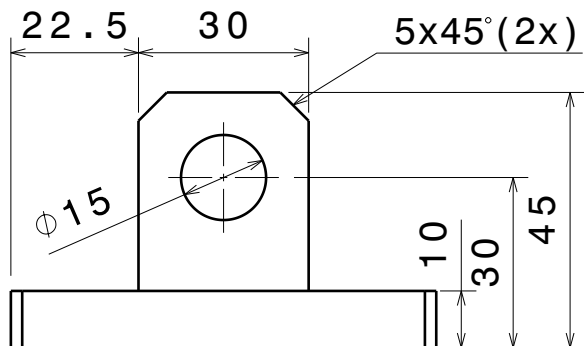
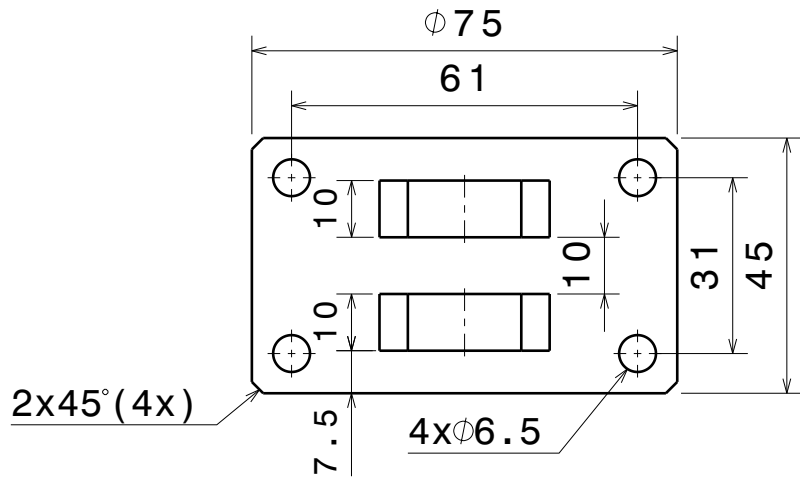
SHEET

1 / 1

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D

A



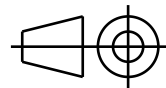
Stock Description: 75x45x47

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 15

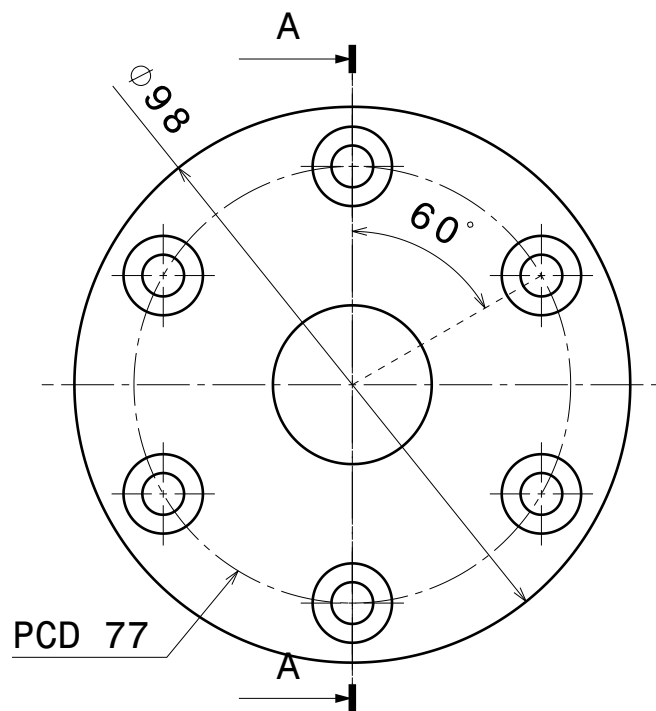
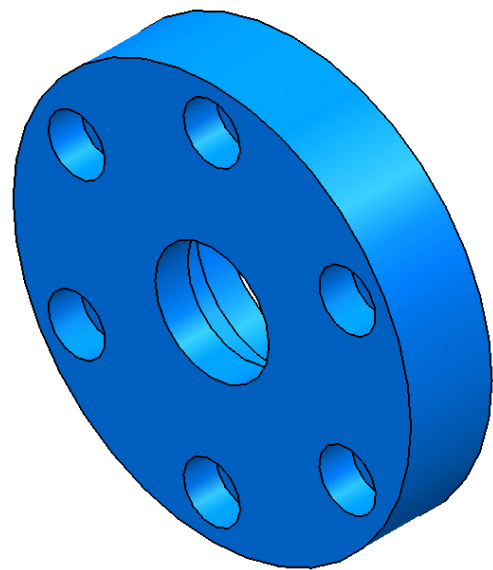
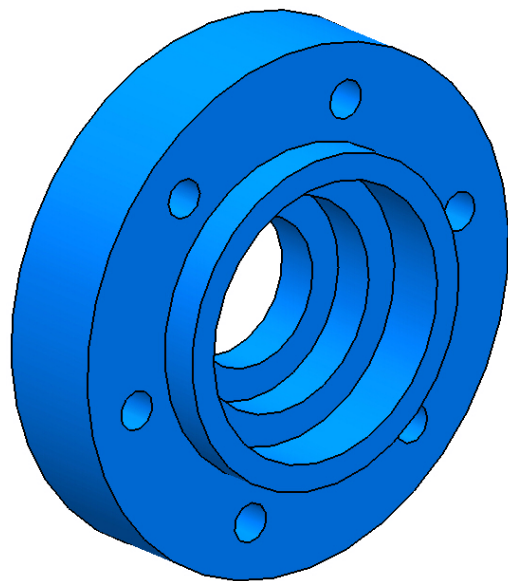
engineeringcadcamcae2018@gmail.com

SHEET

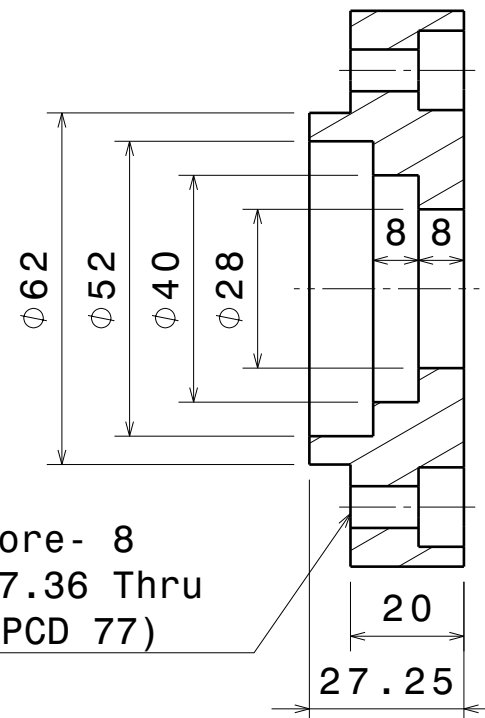
1 / 1

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



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



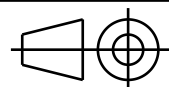
Section view A-A

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 16

engineeringcadcamcae2018@gmail.com

SHEET
1 / 1

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

D

C

B

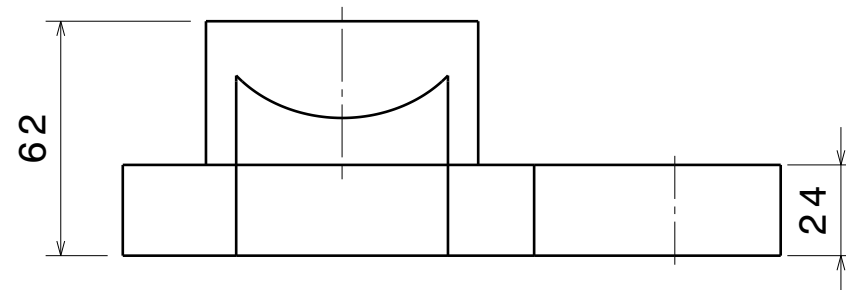
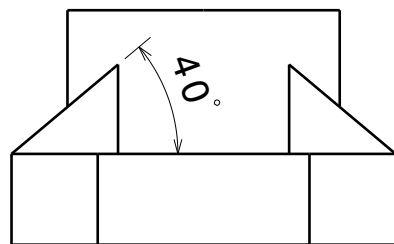
A

4

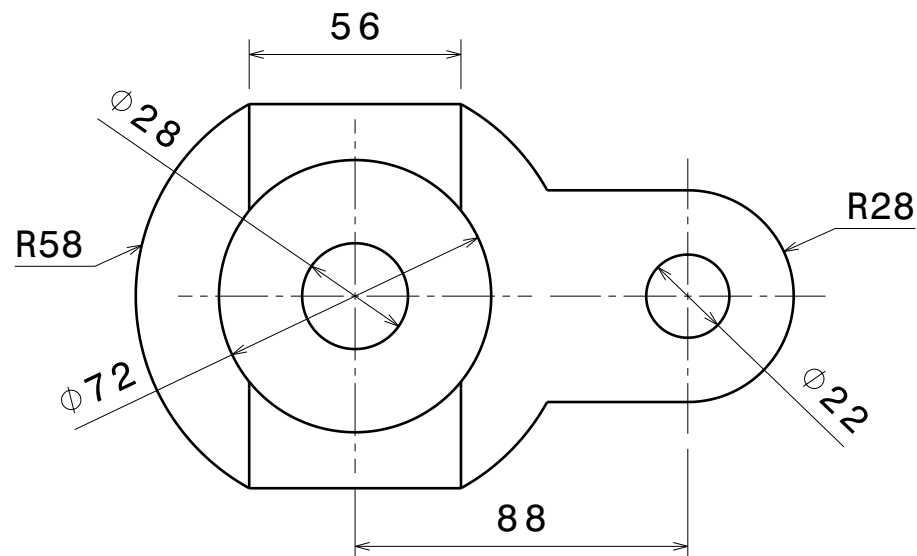
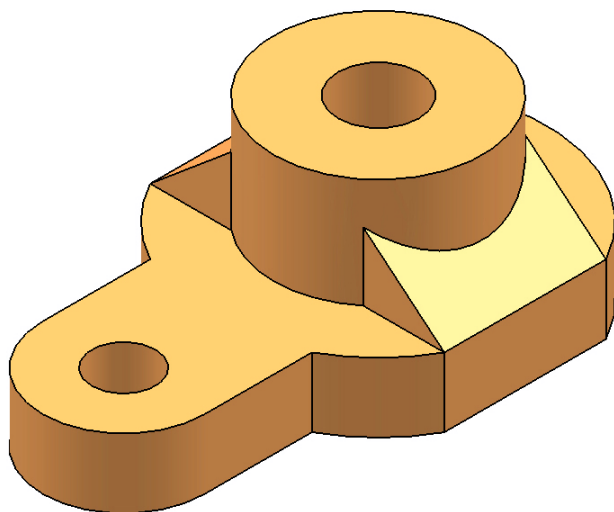
3

2

1



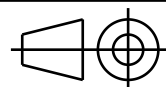
Stock Description: 175x103x64



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 17

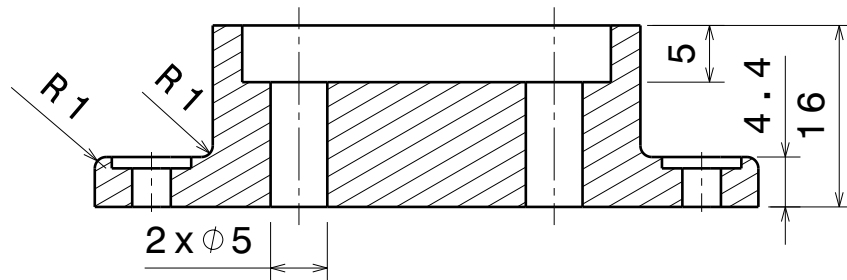
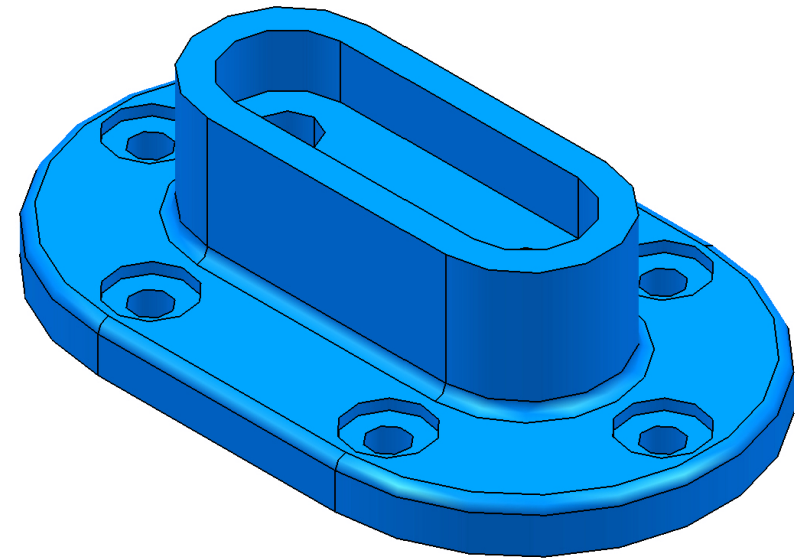
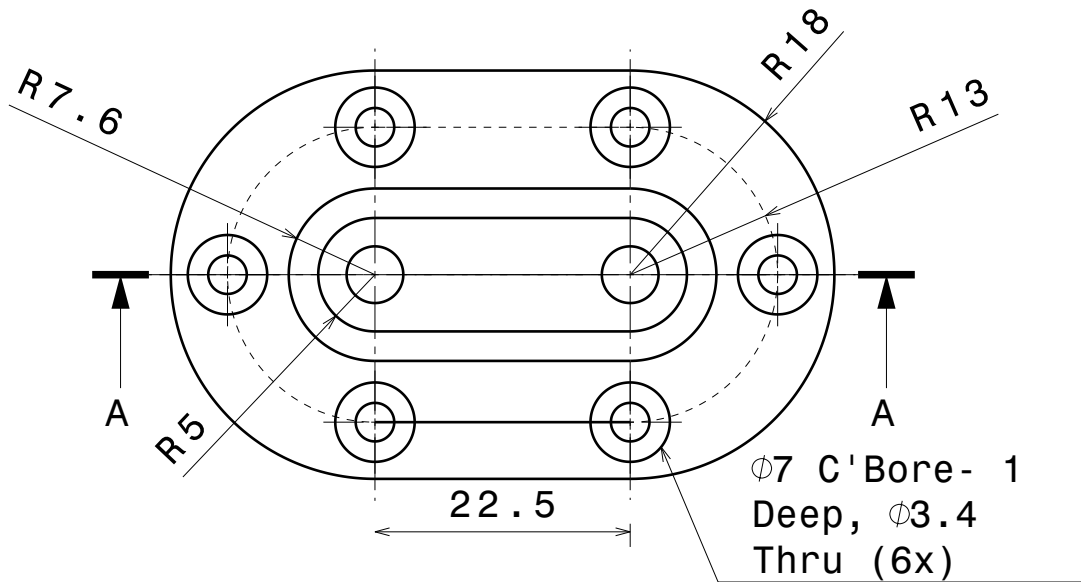
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

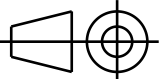
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I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

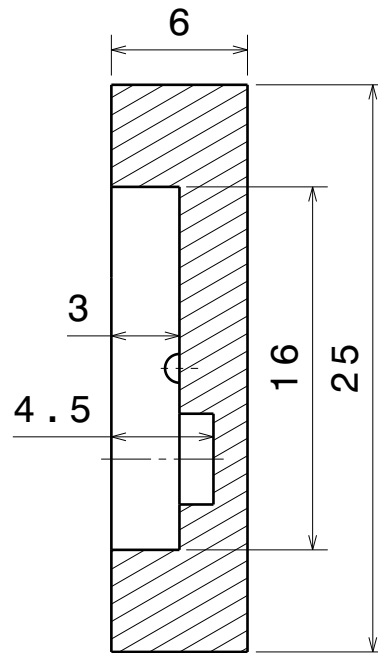
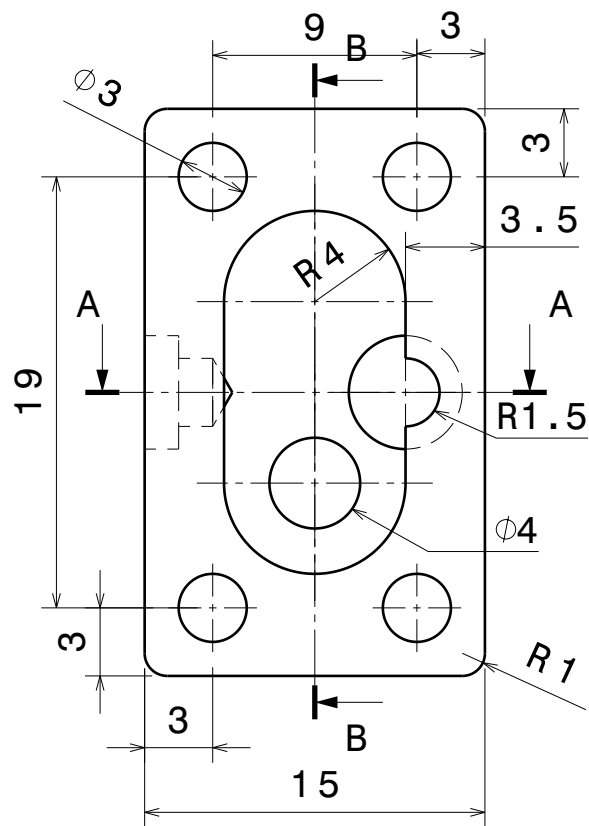


Stock Description: 60x37x18

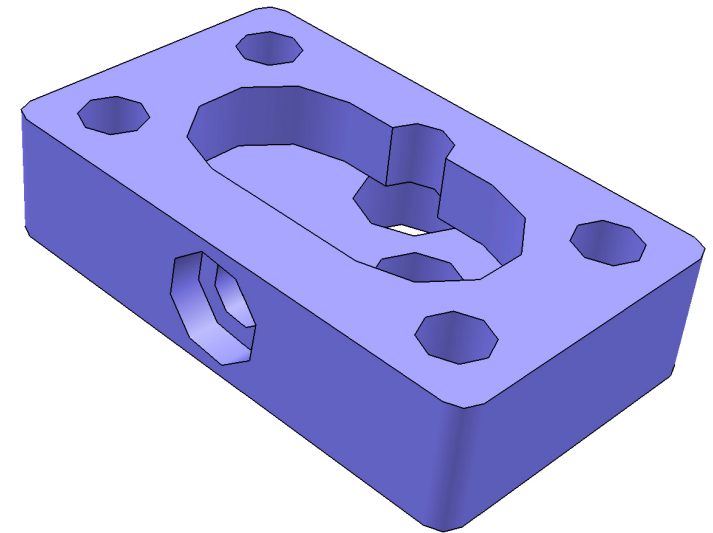
Section view A-A

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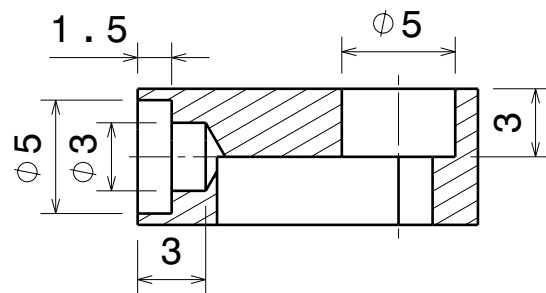
This drawing is our property; it can't be reproduced or communicated without our written agreement.



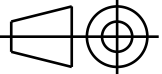
Section view B-B

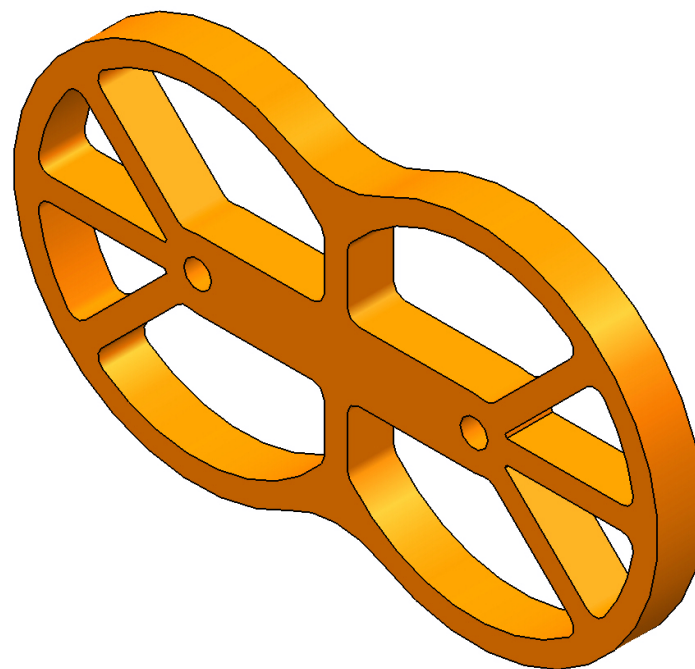
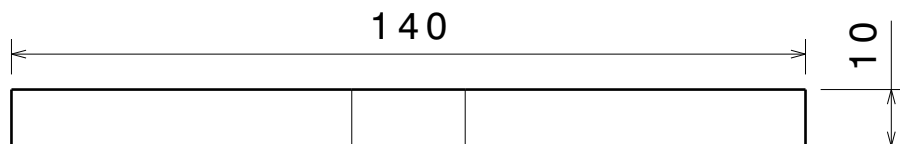
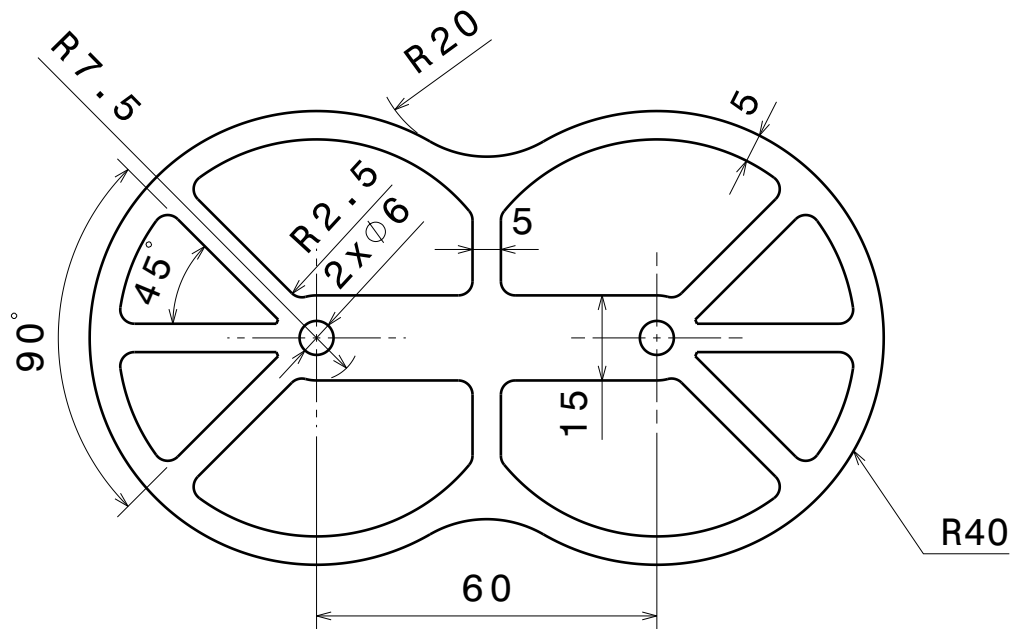


Stock Description: 25x15x8



Section view A-A

DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A4			F	—
		CAM MILLING EXERCISE - 19	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
SHEET 1 / 1			B	—
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Stock Description:
142x82x12

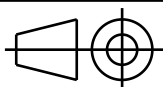
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 20

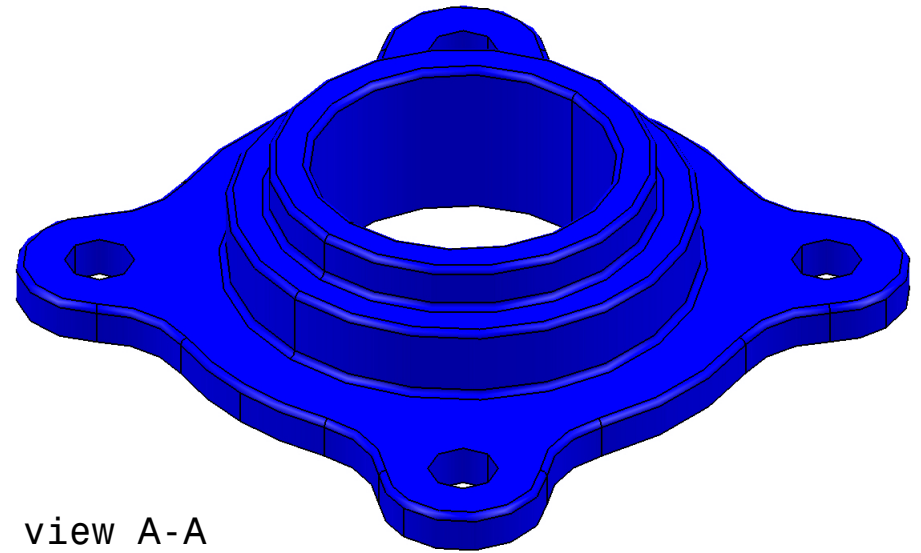
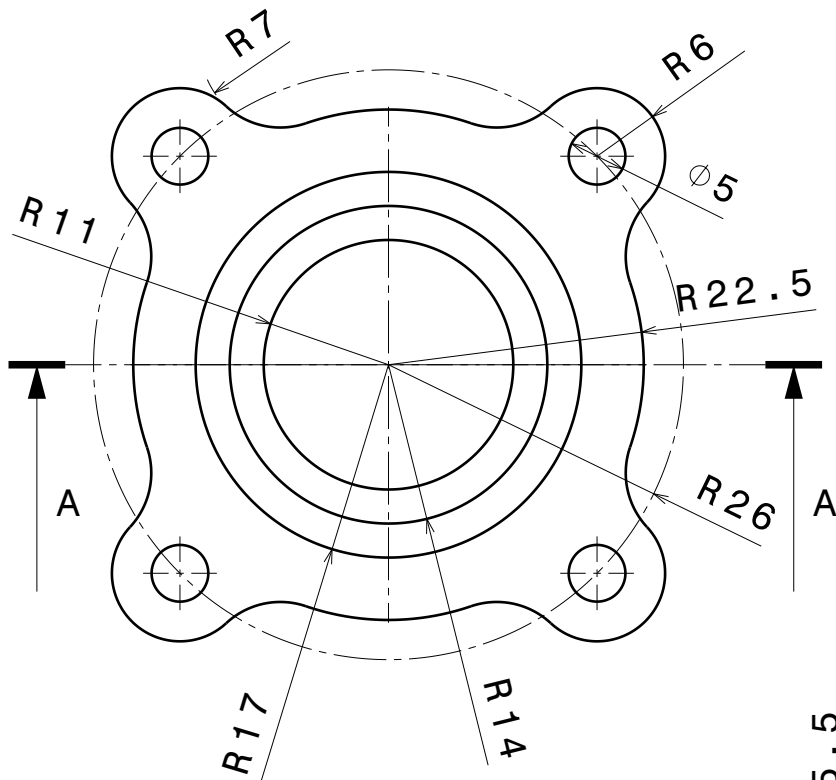
engineeringcadcamcae2018@gmail.com

SHEET

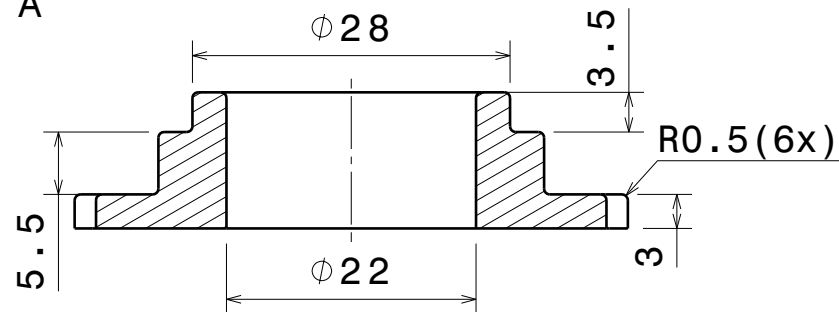
1 / 1

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



Section view A-A



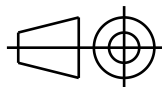
Stock
Description:
 $\phi 65 \times 14$

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 21

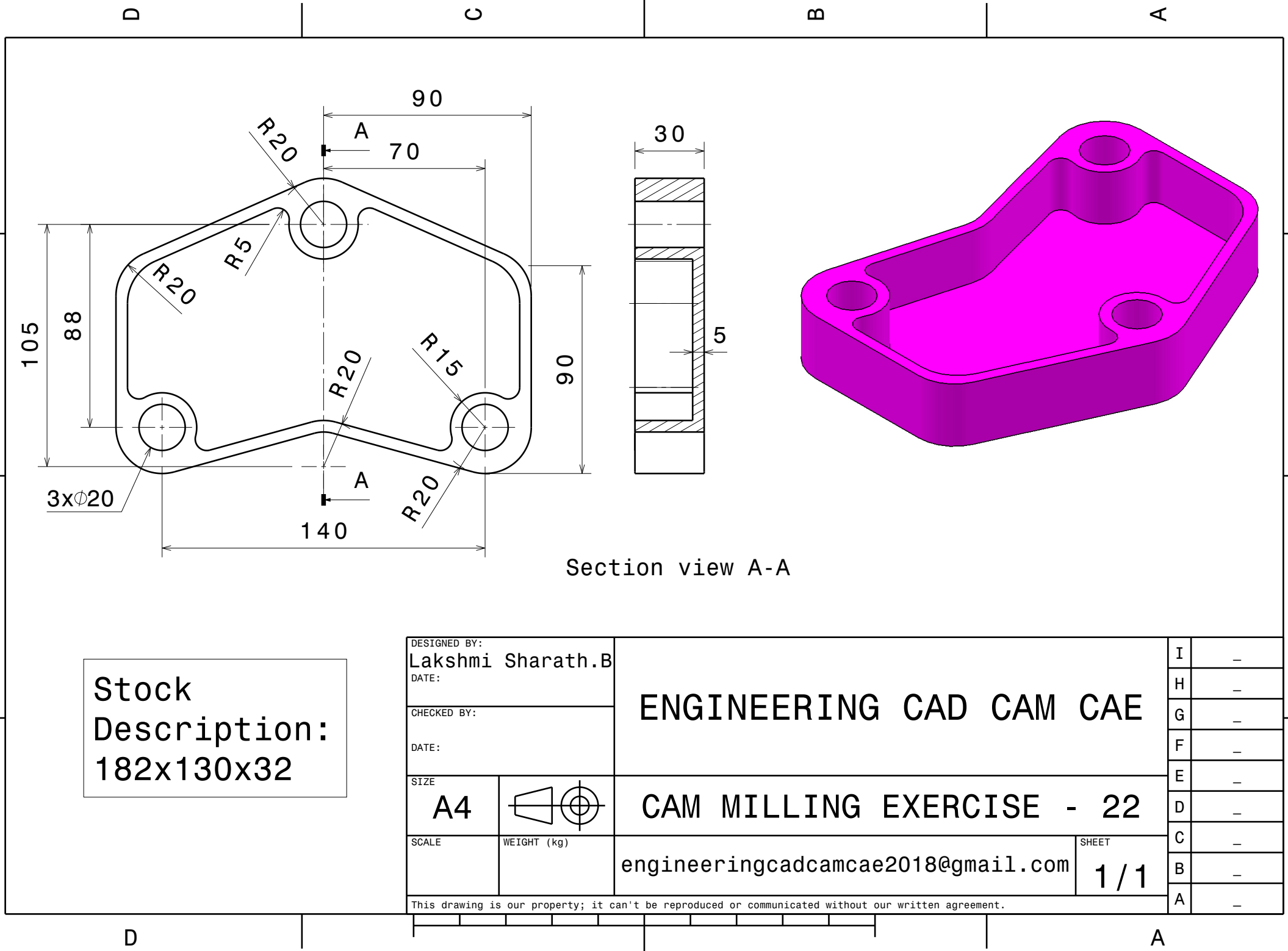
engineeringcadcamcae2018@gmail.com

SHEET

1 / 1

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



Stock
Description:
182x130x32

DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4

SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

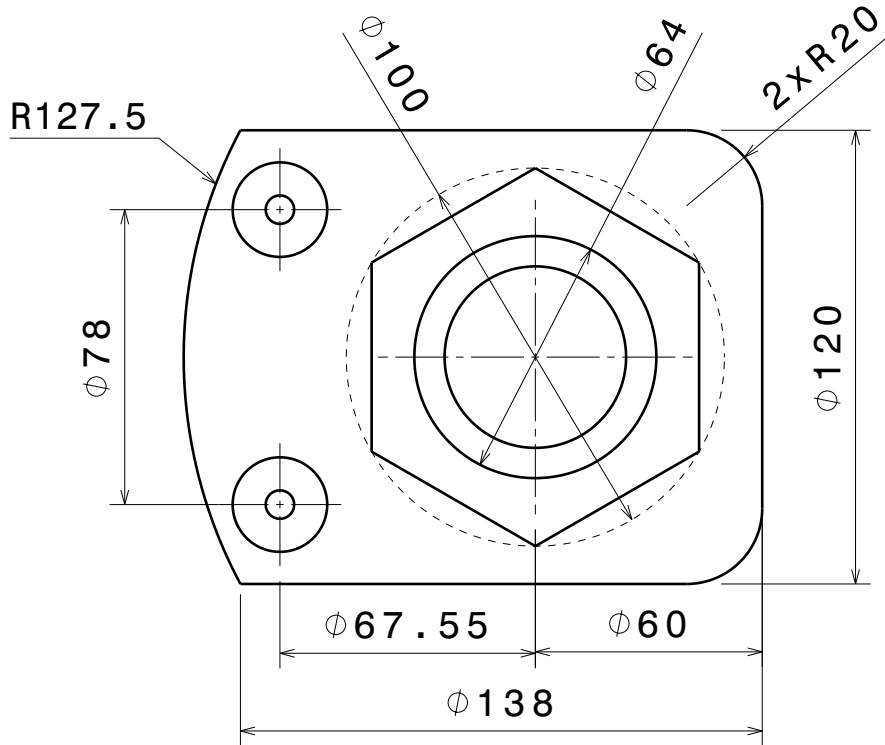
CAM MILLING EXERCISE - 22

engineeringcadcamcae2018@gmail.com

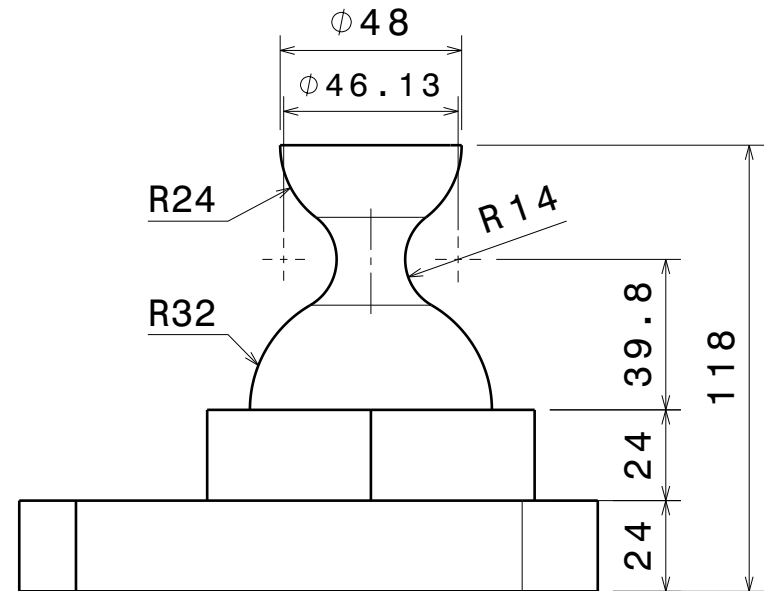
SHEET
1 / 1

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

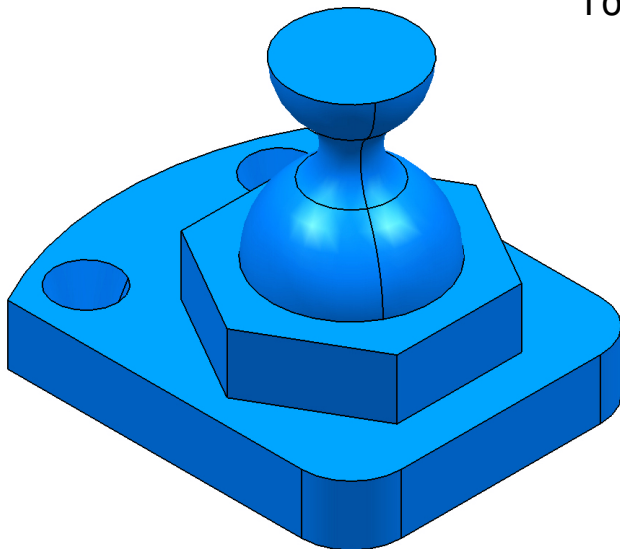


Top view



Front view

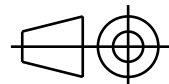
Stock Description: 155x122x120



DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:
DATE:

SIZE
A4



SCALE
WEIGHT (kg)

ENGINEERING CAD CAM CAE

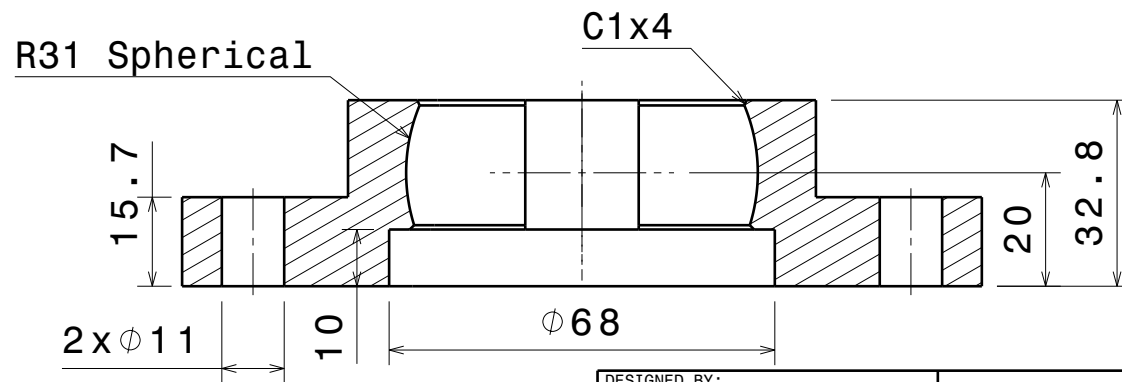
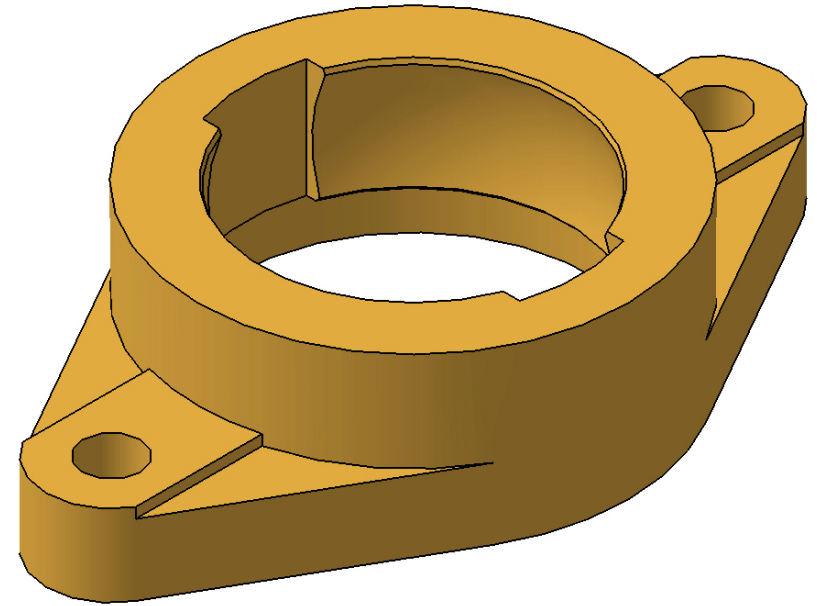
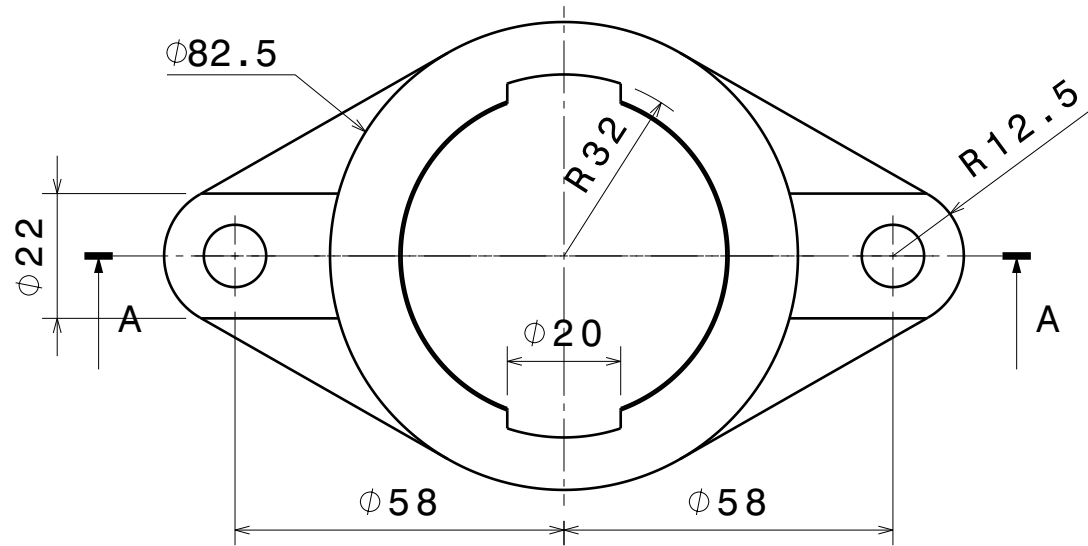
CAM MILLING EXERCISE - 23

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SHEET
1 / 1

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



Stock Description:
143x85x35

Section view A-A

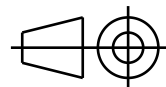
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 24

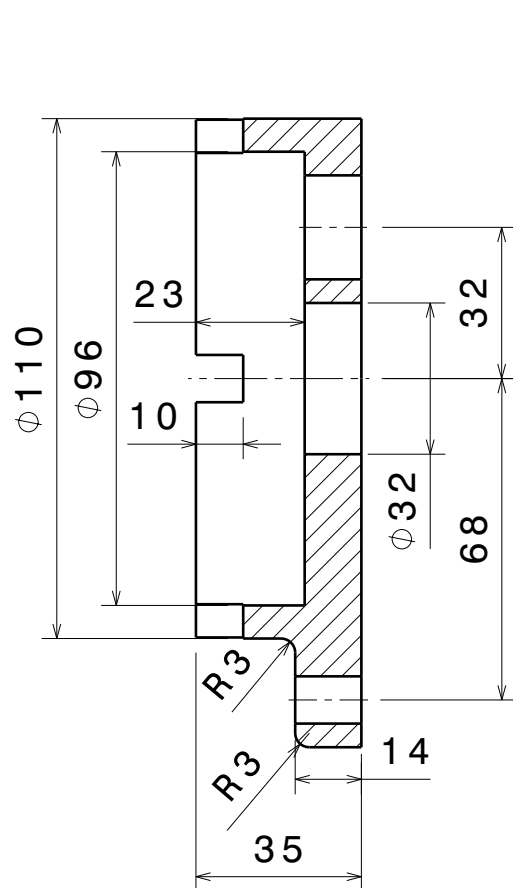
engineeringcadcamcae2018@gmail.com

SHEET

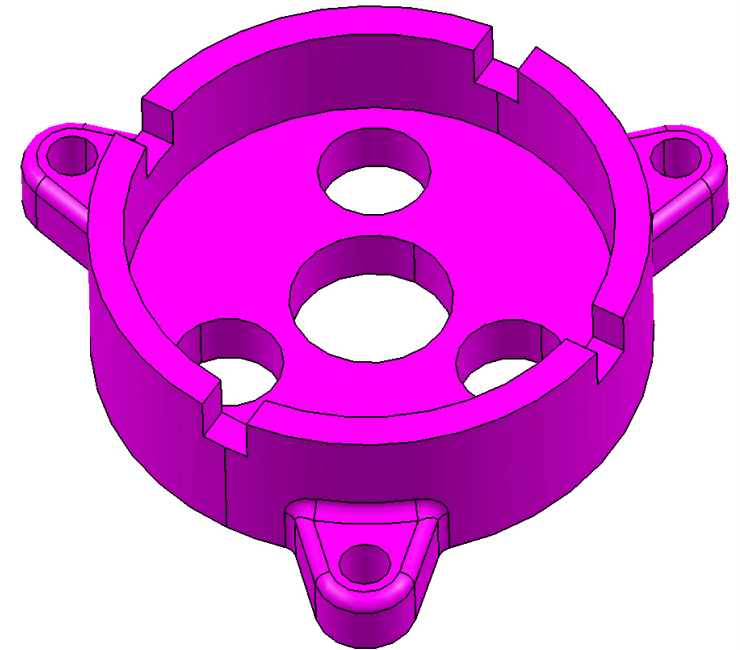
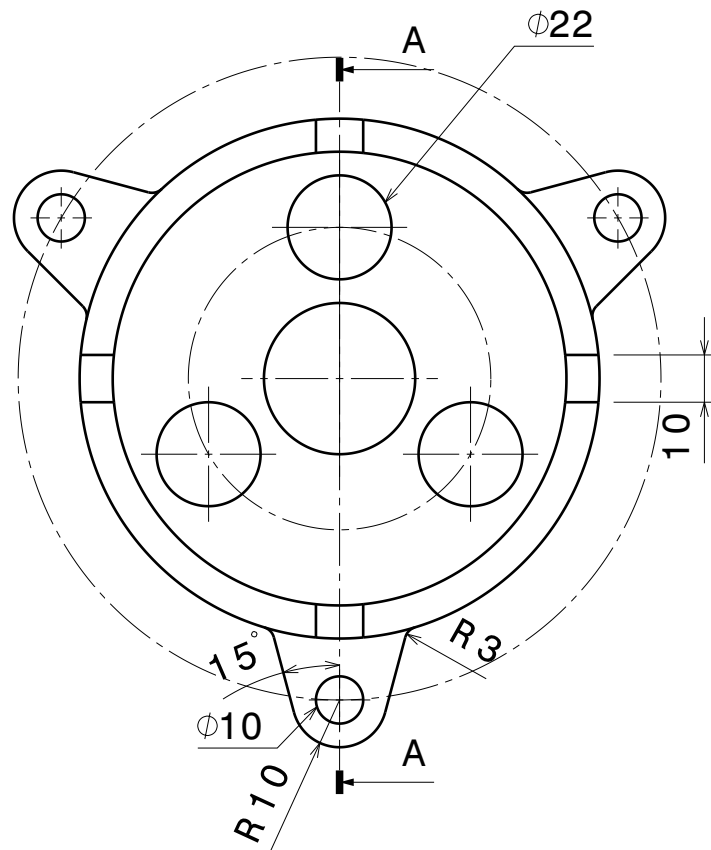
1 / 1

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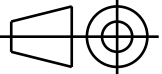
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E	-
D	-
C	-
B	-
A	-



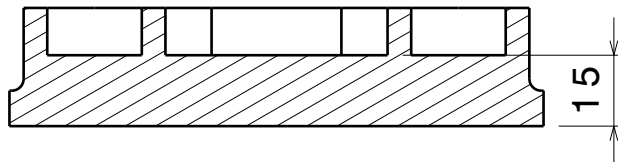
Section view A-A



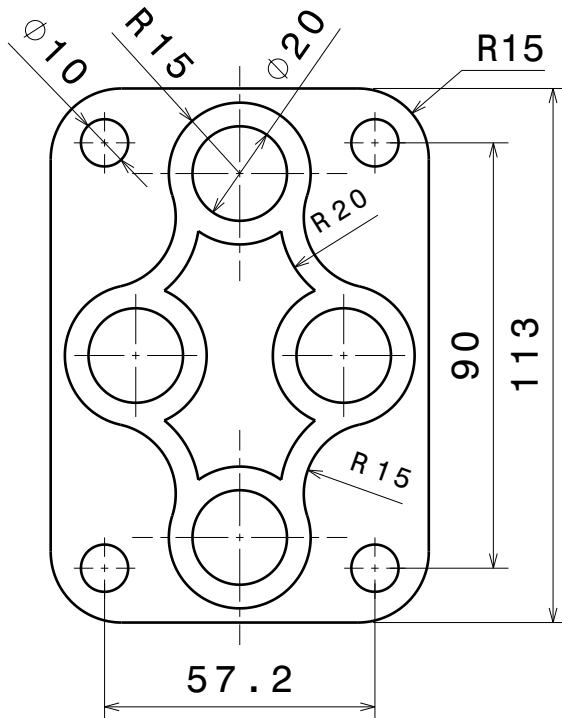
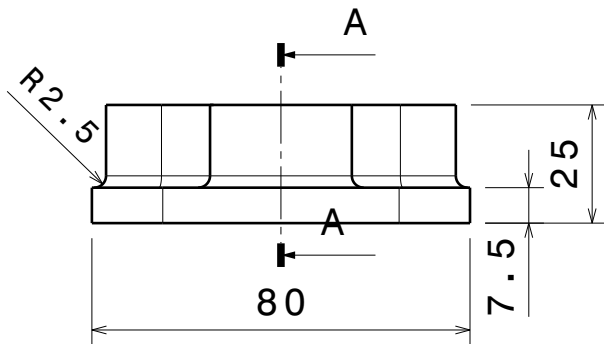
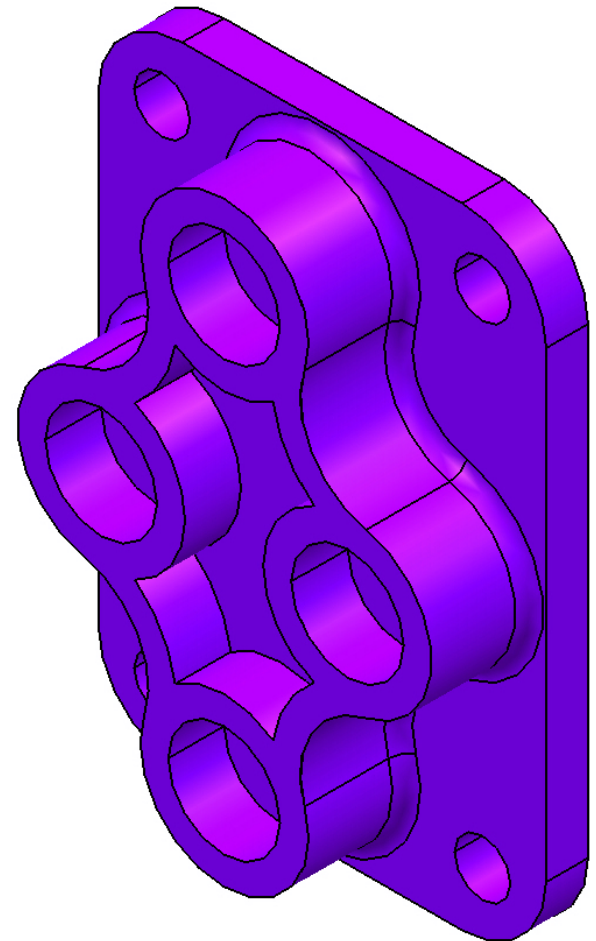
Stock Description:
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DESIGNED BY: Lakshmi Sharath.B DATE:		ENGINEERING CAD CAM CAE	I	—
CHECKED BY:			H	—
DATE:			G	—
SIZE A4			F	—
		CAM MILLING EXERCISE - 25	E	—
SCALE	WEIGHT (kg)		D	—
engineeringcadcamcae2018@gmail.com			C	—
SHEET 1 / 1			B	—
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Section view A-A



Stock Description:
82x112x27



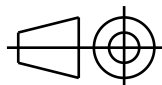
DESIGNED BY:
Lakshmi Sharath.B
DATE:

CHECKED BY:

DATE:

SIZE

A4



SCALE

WEIGHT (kg)

ENGINEERING CAD CAM CAE

CAM MILLING EXERCISE - 26

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SHEET

1 / 1

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E	-
D	-
C	-
B	-
A	-

