



2 WHEEL TRACTOR ATTACHED WHEAT METERING UNIT - DRAWING

AUGUST 2019

ACKNOWLEDGEMENT

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D

C

B

A

4

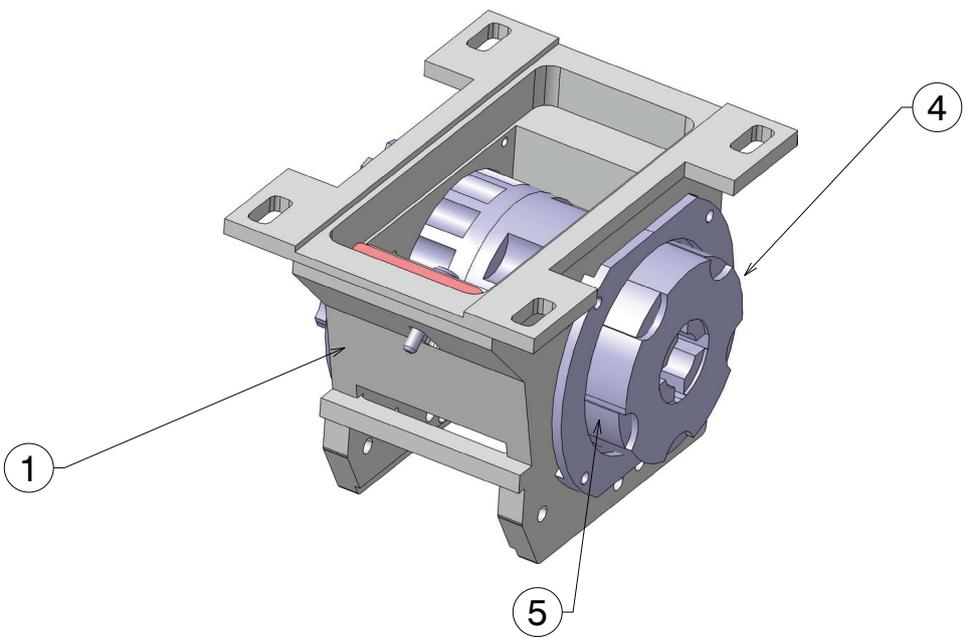
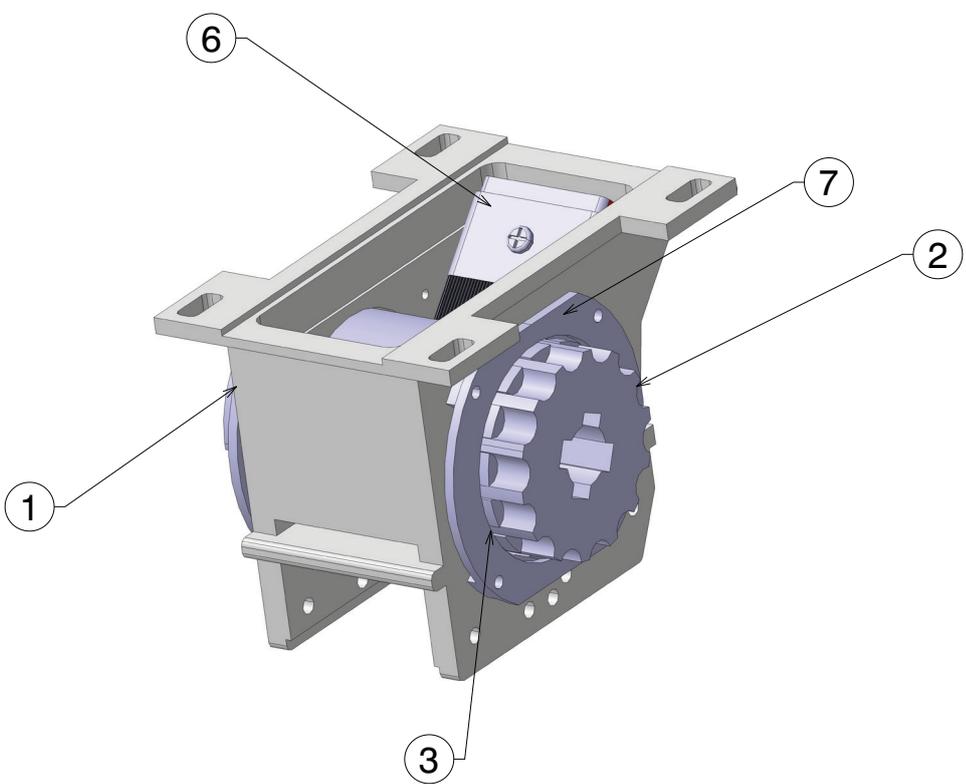
4

3

3

2

2



Material- TEFLON, Alumunium		Planter Metering Unit		
DRAWN BY Dereje Y.	DATE 17/10/2018	DRAWING TITLE Assembly Drawing		
CHECKED BY Bisrat G.	DATE 6/23/2018	SIZE A4	DRAWING NUMBER 3D	Dimension in mm
DESIGNED BY Ag. Eng. Research Directorate /AERD/ of EIAR		SCALE 1:1	WEIGHT (kg) 0.308	SHEET 1/7

1

1

D

A



D

C

B

A

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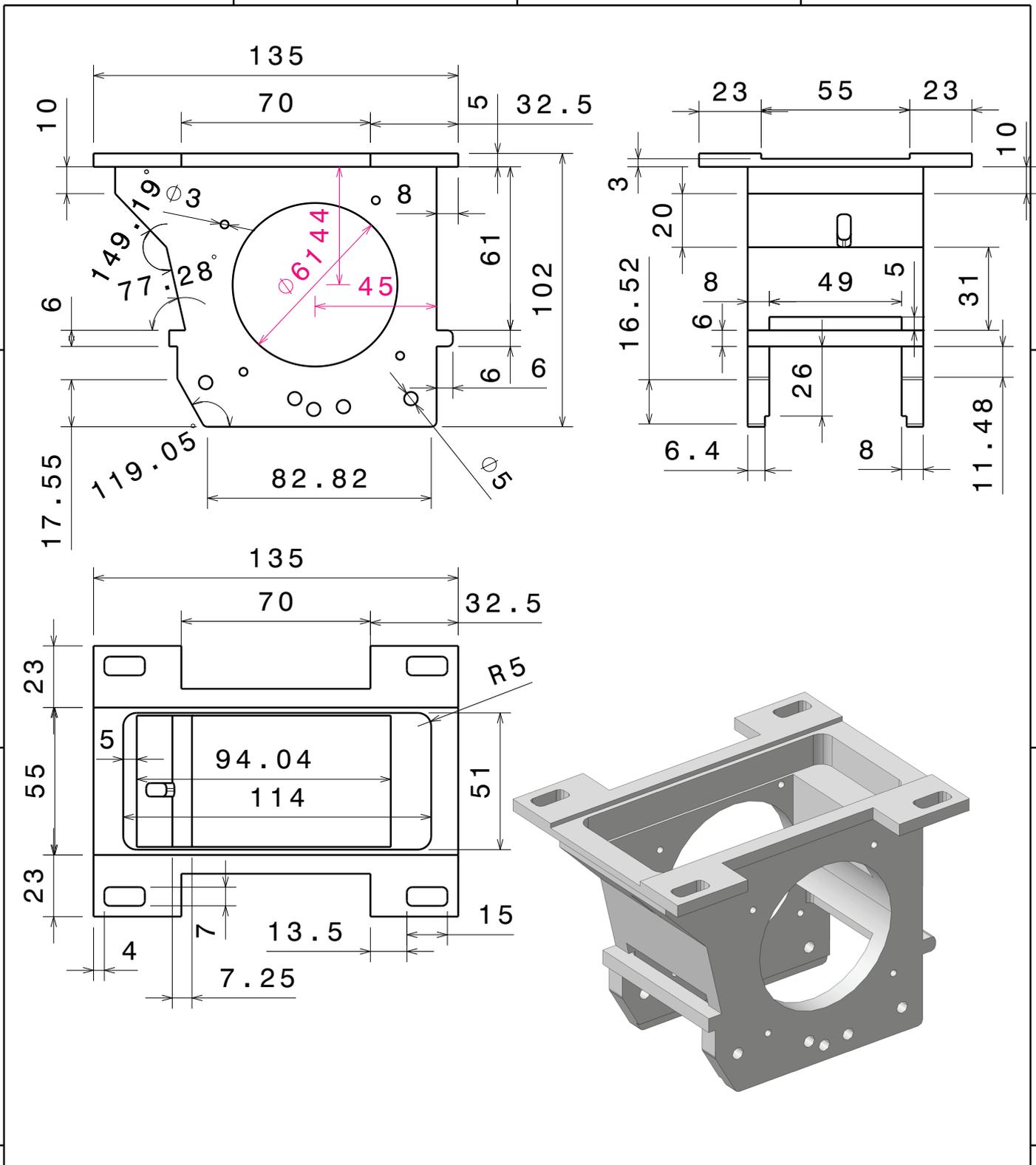
1

4

3

2

1



Material- MS		Planter Metering Unit		
DRAWN BY Dereje Y.	DATE 6/05/2018	DRAWING TITLE Metering Housing		
CHECKED BY Bisrat G.	DATE 6/23/2018	SIZE A4	DRAWING NUMBER MH-3D	Dimension in mm
DESIGNED BY Ag. Eng. Research Directorate /AERD/		SCALE 1:1	WEIGHT(kg) 0.405	SHEET 2/7

D

A



D

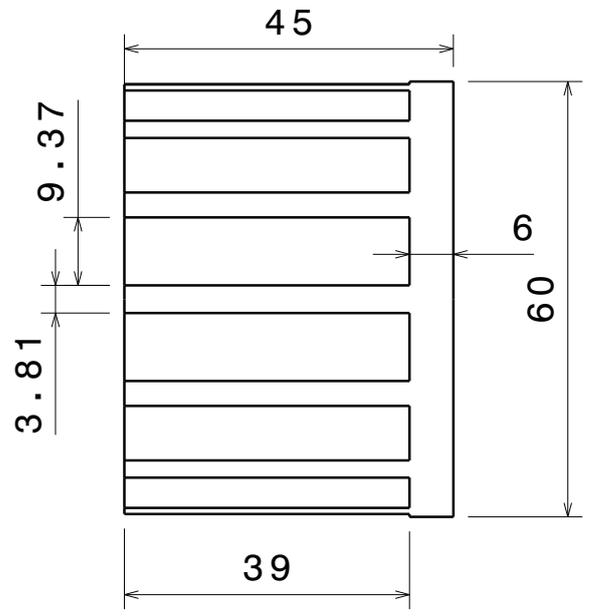
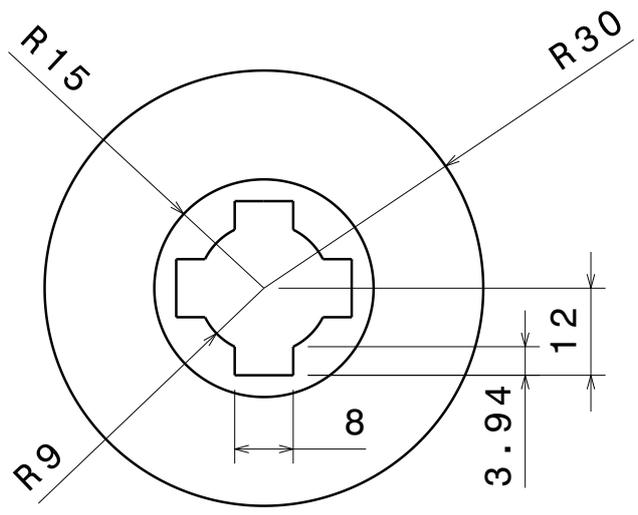
C

B

A

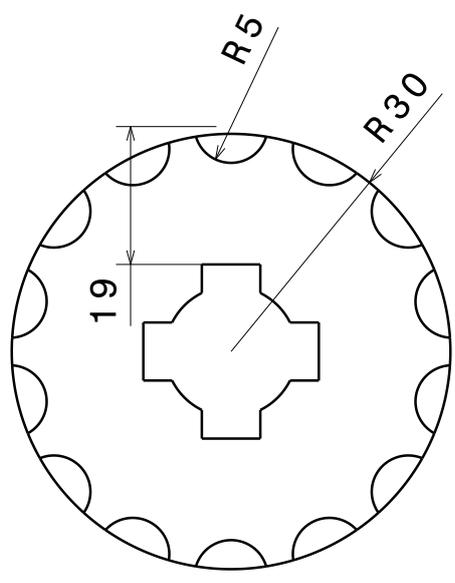
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4

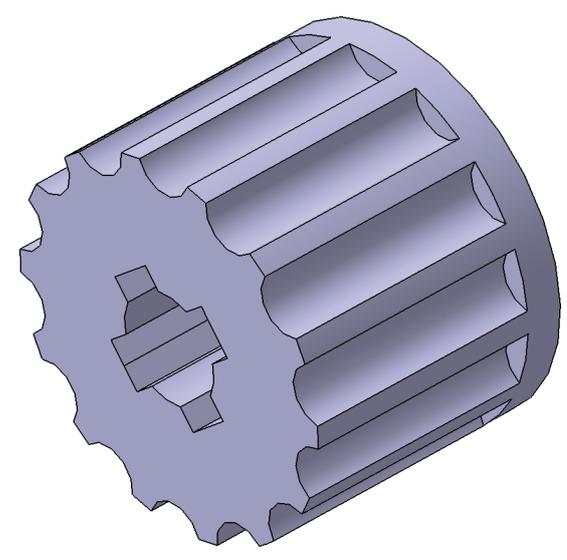


3

3



No. teeth = 14



2

2

Material-
TEFLON

Planter Metering Unit

DRAWN BY

DATE

DRAWING TITLE

Dereje Y.

17/10/2018

Left side Fluted Roller for small grains

CHECKED BY

DATE

SIZE

DRAWING NUMBER

Bisrat G.

6/23/2018

A4

FRSG

Dimension
in mm

DESIGNED BY
Ag. Eng. Research Directorate
/AERD/ of EIAR

SCALE

1:1

WEIGHT(kg)

0.106

SHEET

3/7

D

A



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1

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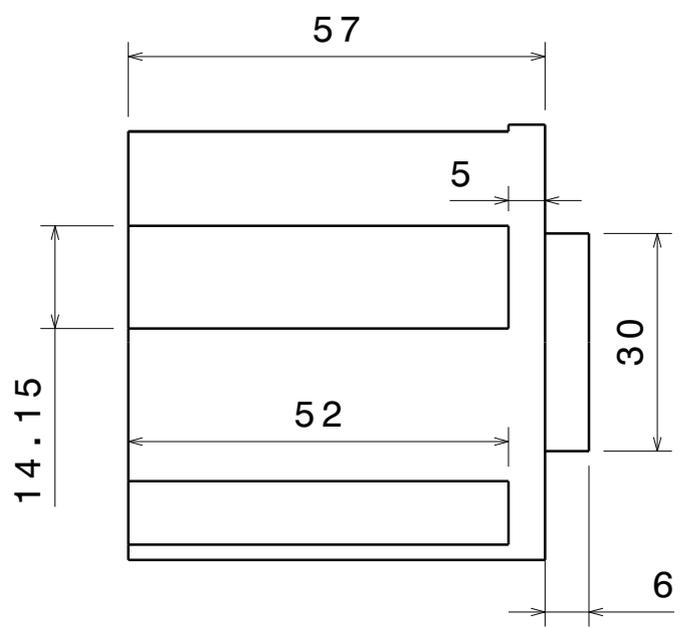
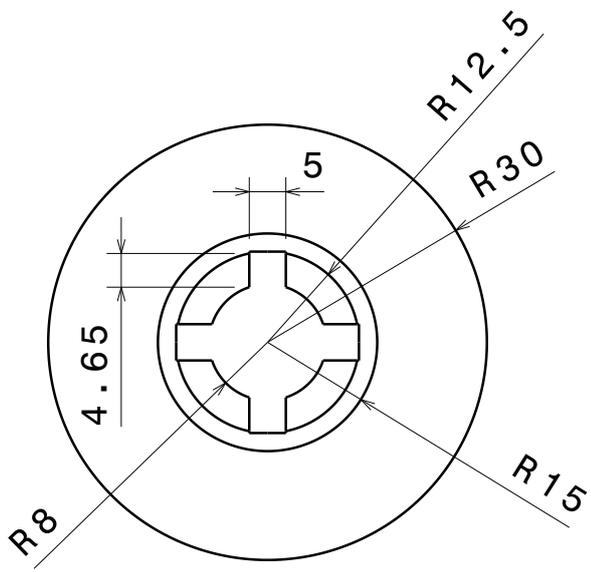
C

B

A

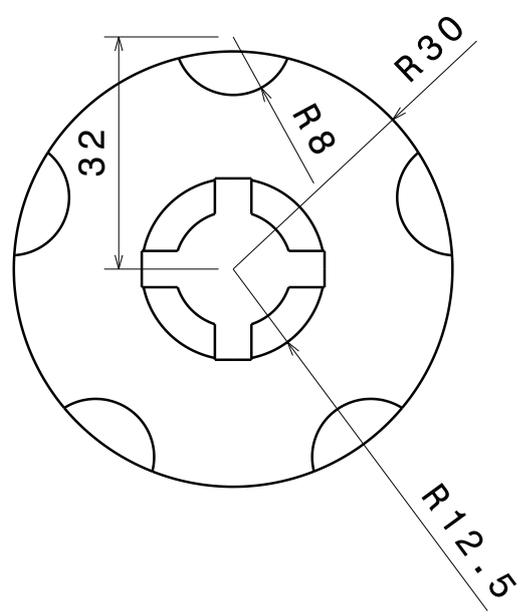
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4



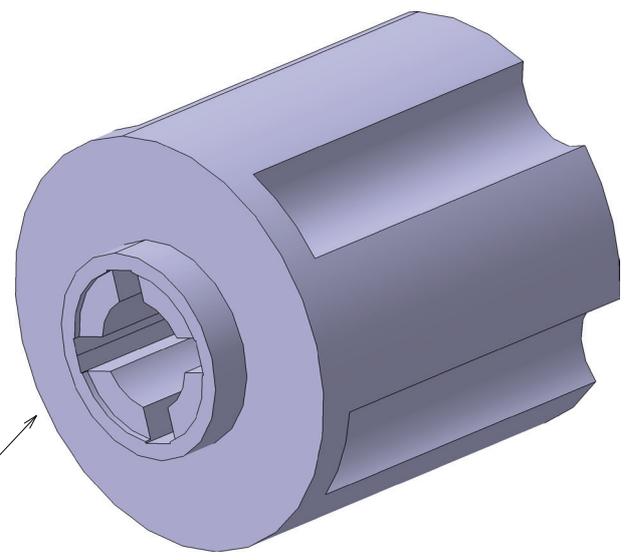
3

3



No. Teeth = 5

4



2

2

Material-
TEFLON

Planter Metering Unit

DRAWN BY

DATE

DRAWING TITLE

Dereje Y.

17/10/2018

Right side Fluted Roller for larger grains

CHECKED BY

DATE

SIZE

DRAWING NUMBER

Bisrat G.

6/23/2018

A4

FRLG

Dimension
in mm

DESIGNED BY
Ag. Eng. Research Directorate
/AERD/

SCALE

1:1

WEIGHT (kg)

0.156

SHEET

4/7

D

A



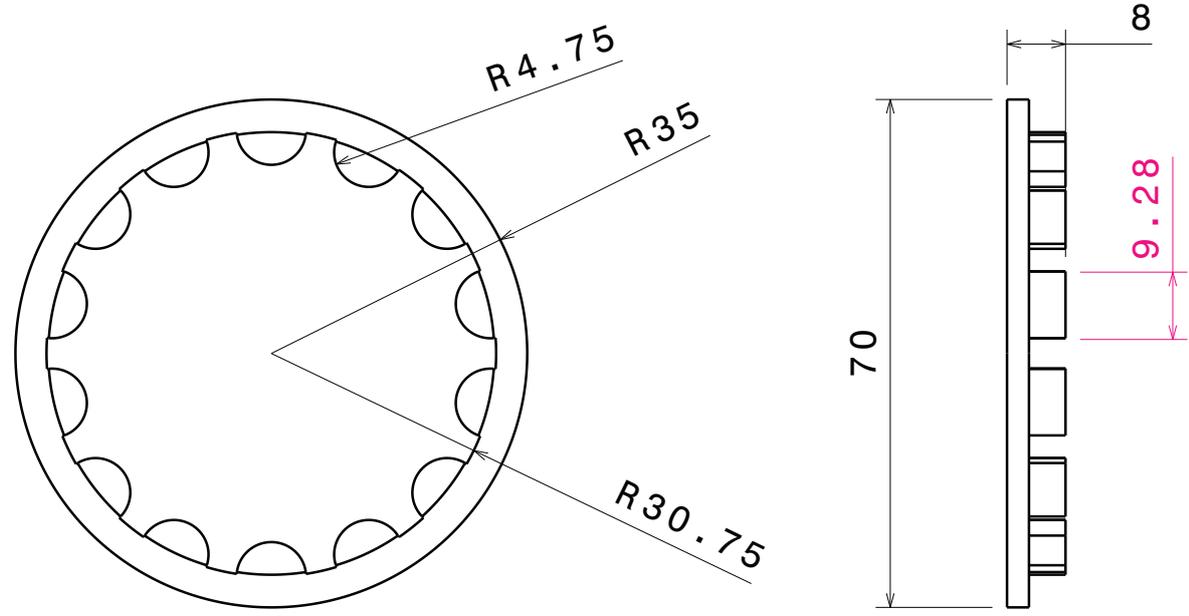
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1

D C B A

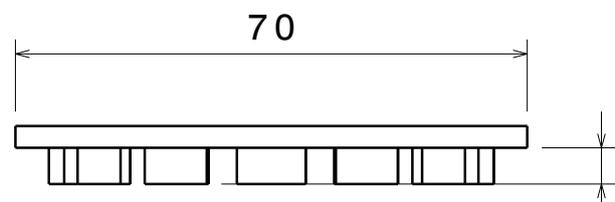
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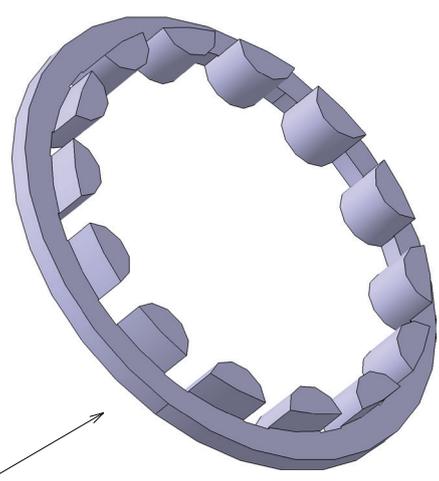


2

2

No. Teeth = 14

3



Material- TEFLON		Planter Metering Unit		
DRAWN BY Dereje Y.	DATE 17/10/2018	DRAWING TITLE Refracting Plate for left side Fluted Roller		
CHECKED BY Bisrat G.	DATE 6/23/2018	SIZE A4	DRAWING NUMBER RPLS	Dimension in mm
DESIGNED BY Ag. Eng. Research Directorate /AERD/ of EIAR		SCALE 1:1	WEIGHT(kg) 0.008	SHEET 5/7

1

1

D A



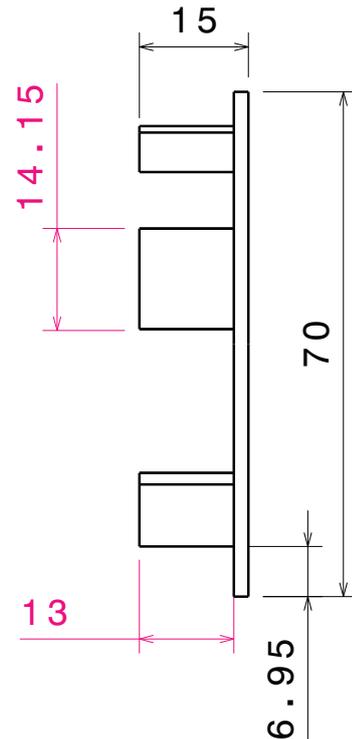
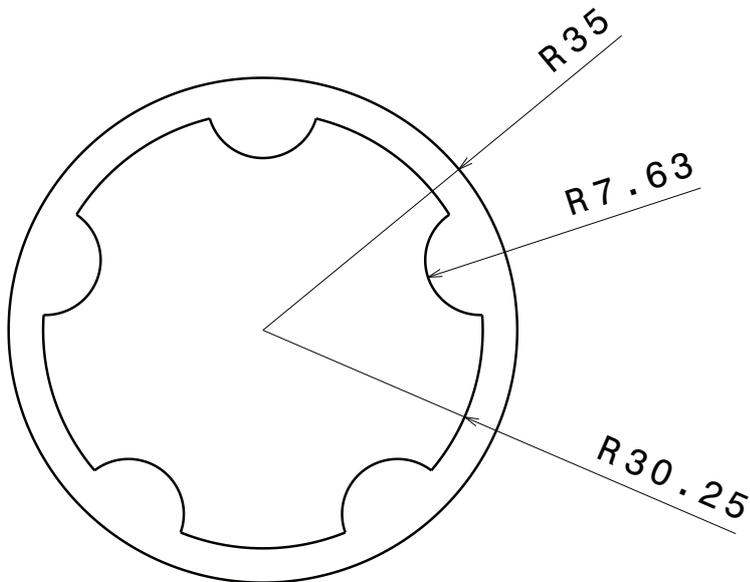
D

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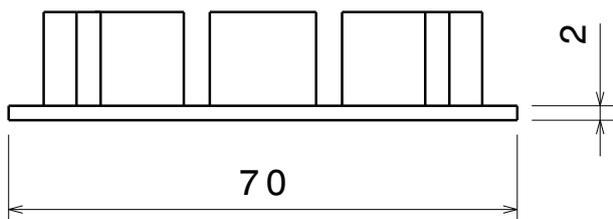
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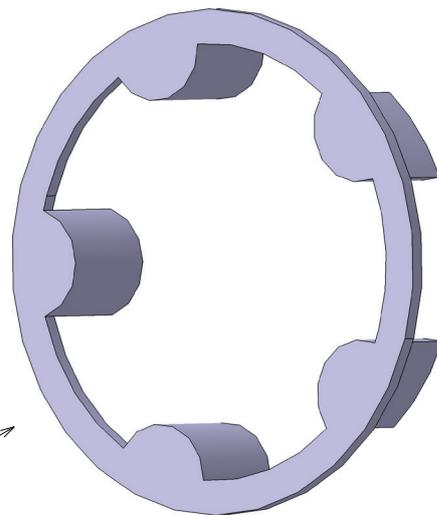


No. of Teeth = 5

2

2

5



Material-
TEFLON

Planter Metering Unit

DRAWN BY

Dereje Y.

DATE

17/10/2018

DRAWING TITLE

Refracting Plate for Right side Fluted Roller

CHECKED BY

Bisrat G.

DATE

6/23/2018

SIZE

A4

DRAWING NUMBER

RPRS

Dimension
in mm

DESIGNED BY

Ag. Eng. Research Directorate
/AERD/ of EIAR

SCALE

1:1

WEIGHT(kg)

0.008

SHEET

6/7

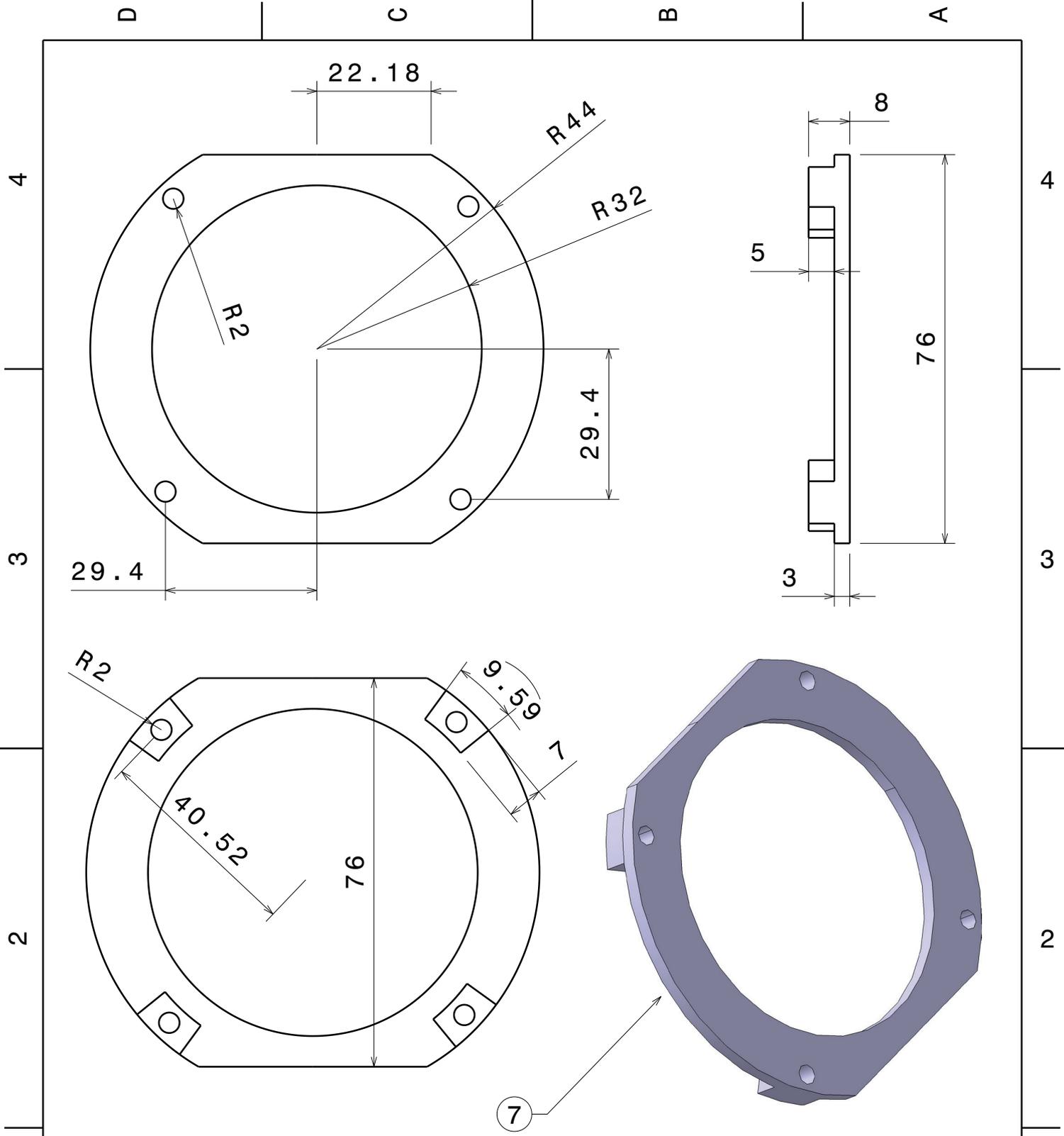
1

1

D

A





Material- TEFLON		Planter Metering Unit		
DRAWN BY Dereje Y.	DATE 17/10/2018	DRAWING TITLE Holding Cap		
CHECKED BY Bisrat G.	DATE 6/23/2018	SIZE A4	DRAWING NUMBER HC	Dimension in mm
DESIGNED BY Ag. Eng. Research Directorate /AERD/ of EIAR		SCALE 1:1	WEIGHT(kg) 0.01	SHEET 7/7



**THESE DRAWINGS ARE AN OUTPUT OF THE FARM MECHANIZATION
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International Agricultural Research

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JOINTLY IMPLEMENTED BY



CIMMYT^{MR}
International Maize and Wheat Improvement Center