

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

Prototipazione
Virtuale

DESIGNED BY:
Ludovica Ruggiero
DATE: 07/12/2023
CHECKED BY:
XXX
DATE: XXX

SHEET

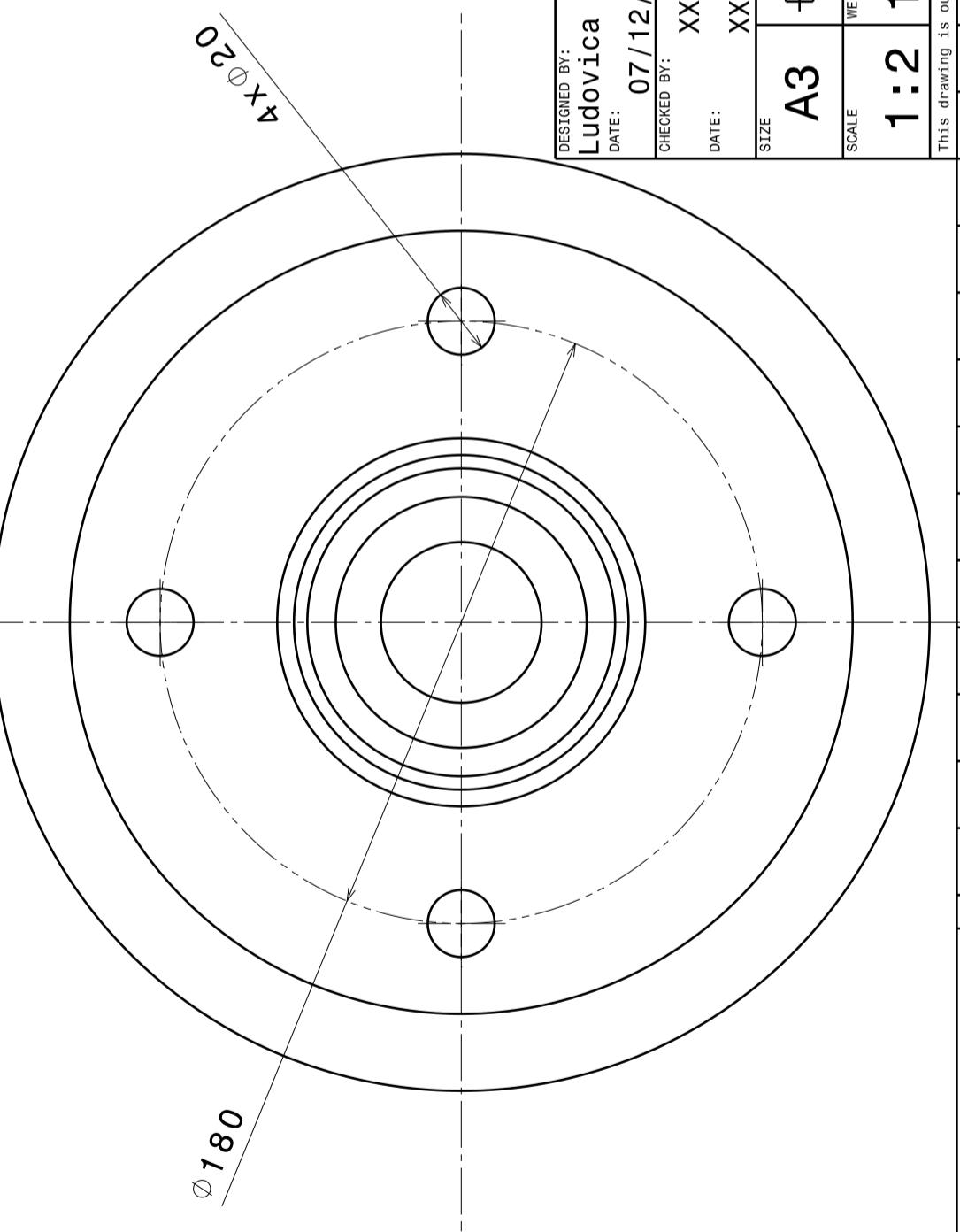
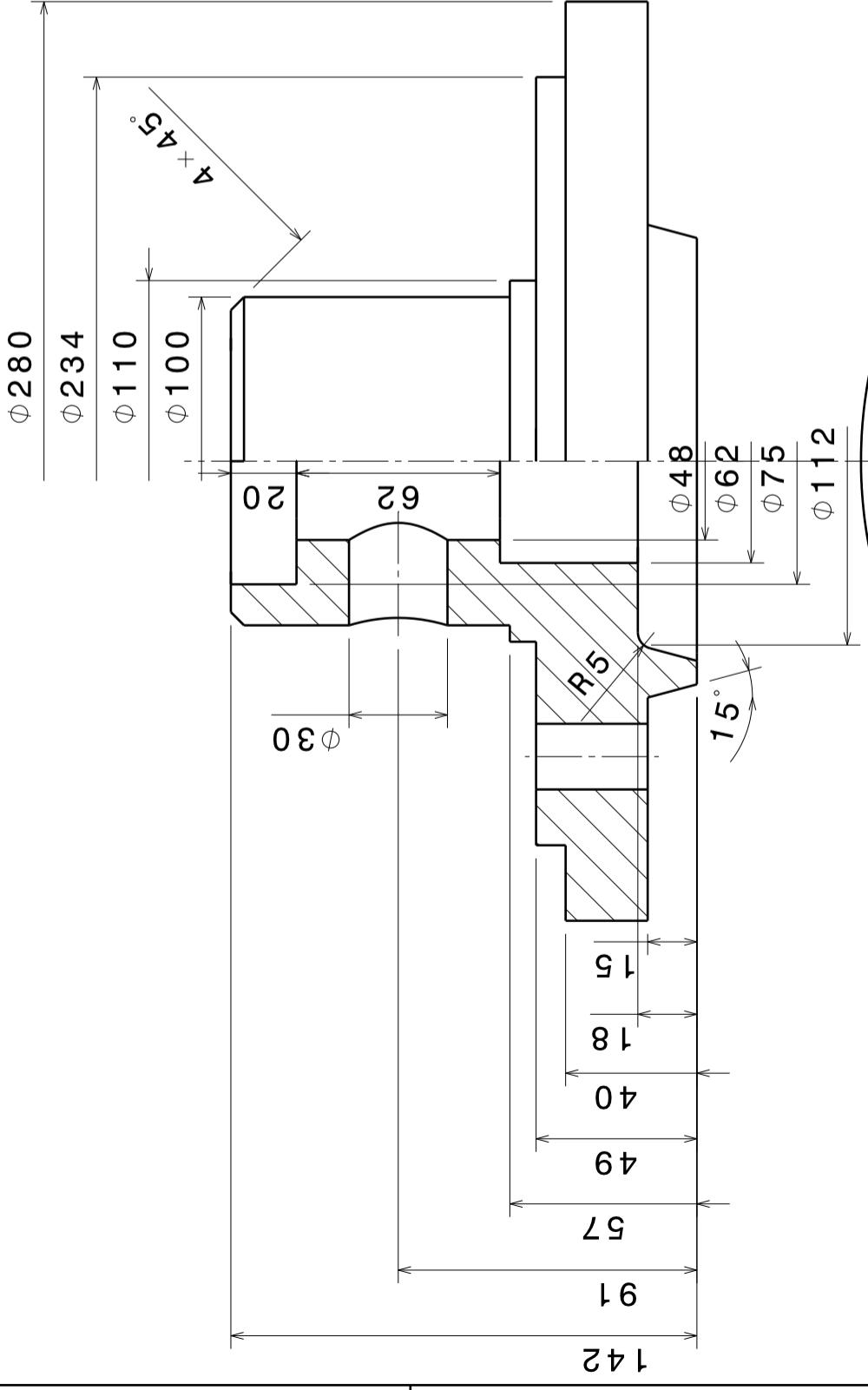
1 / 1

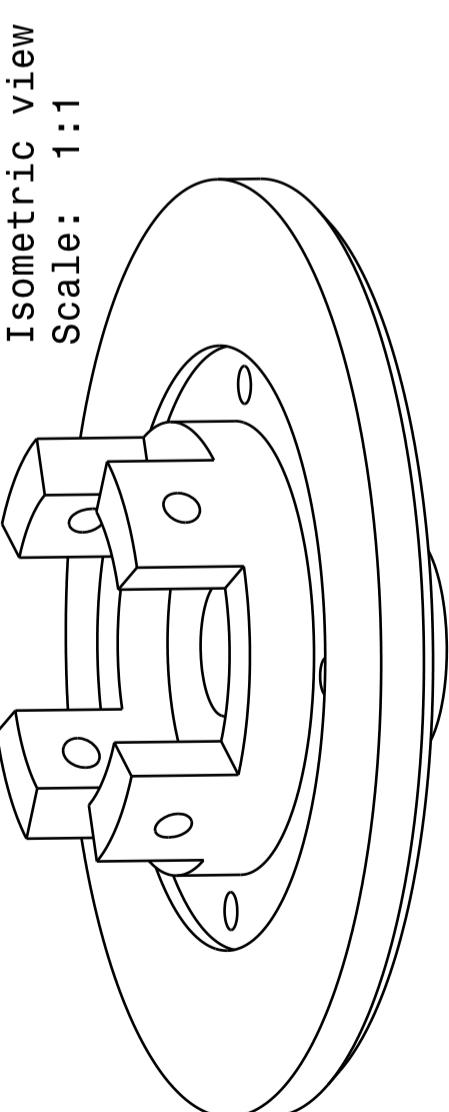
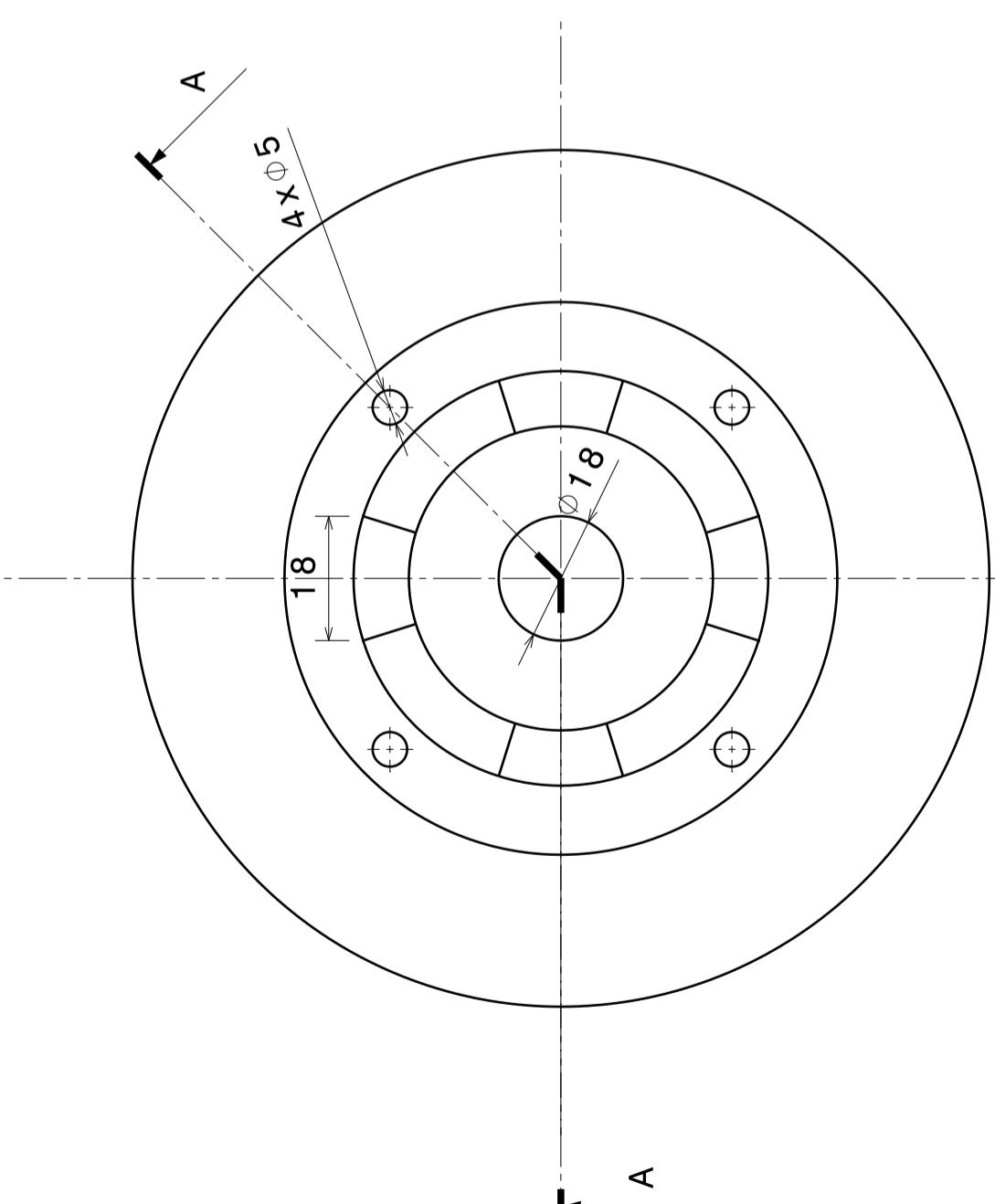
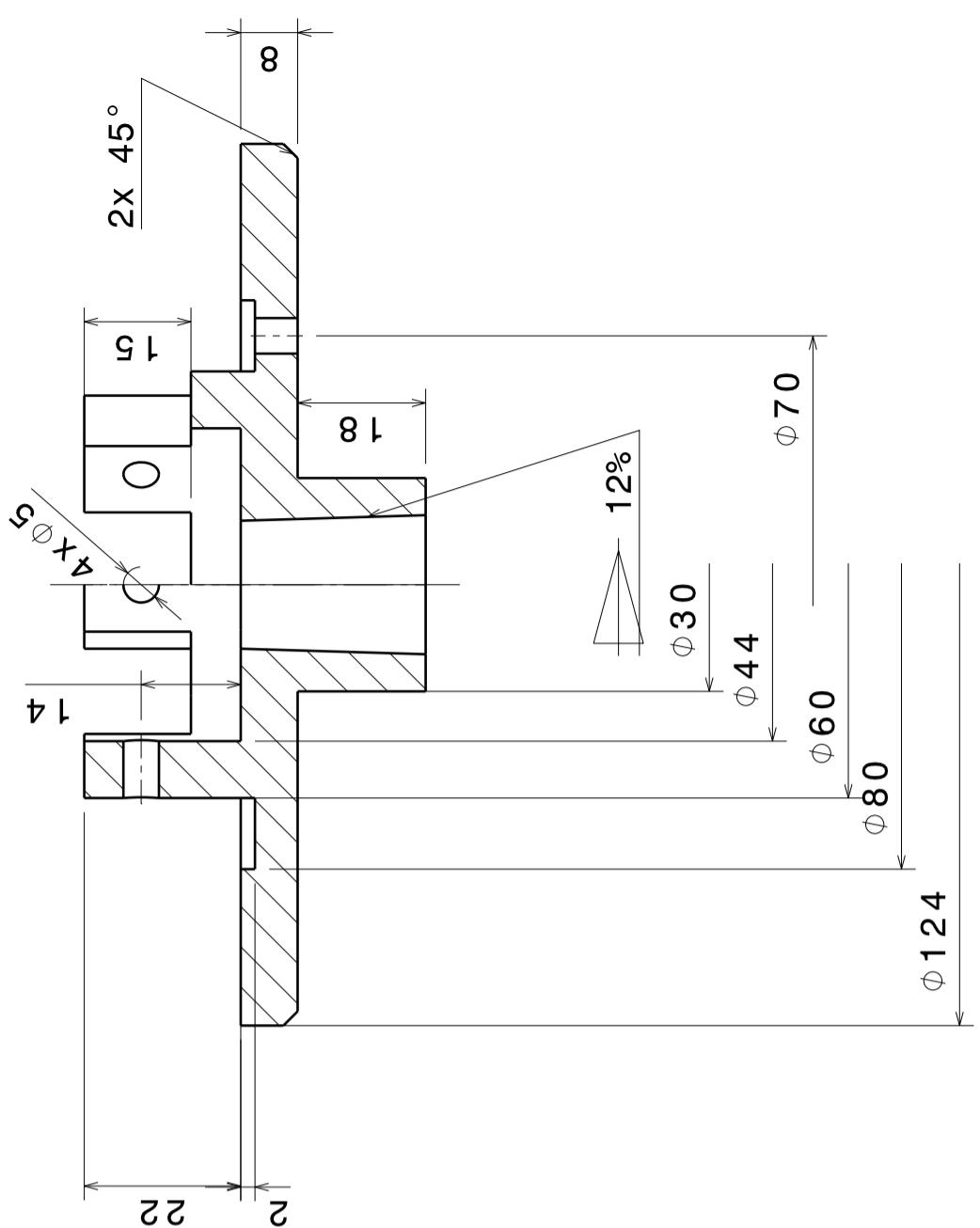
DRAWING NUMBER

PV2324 ES0202

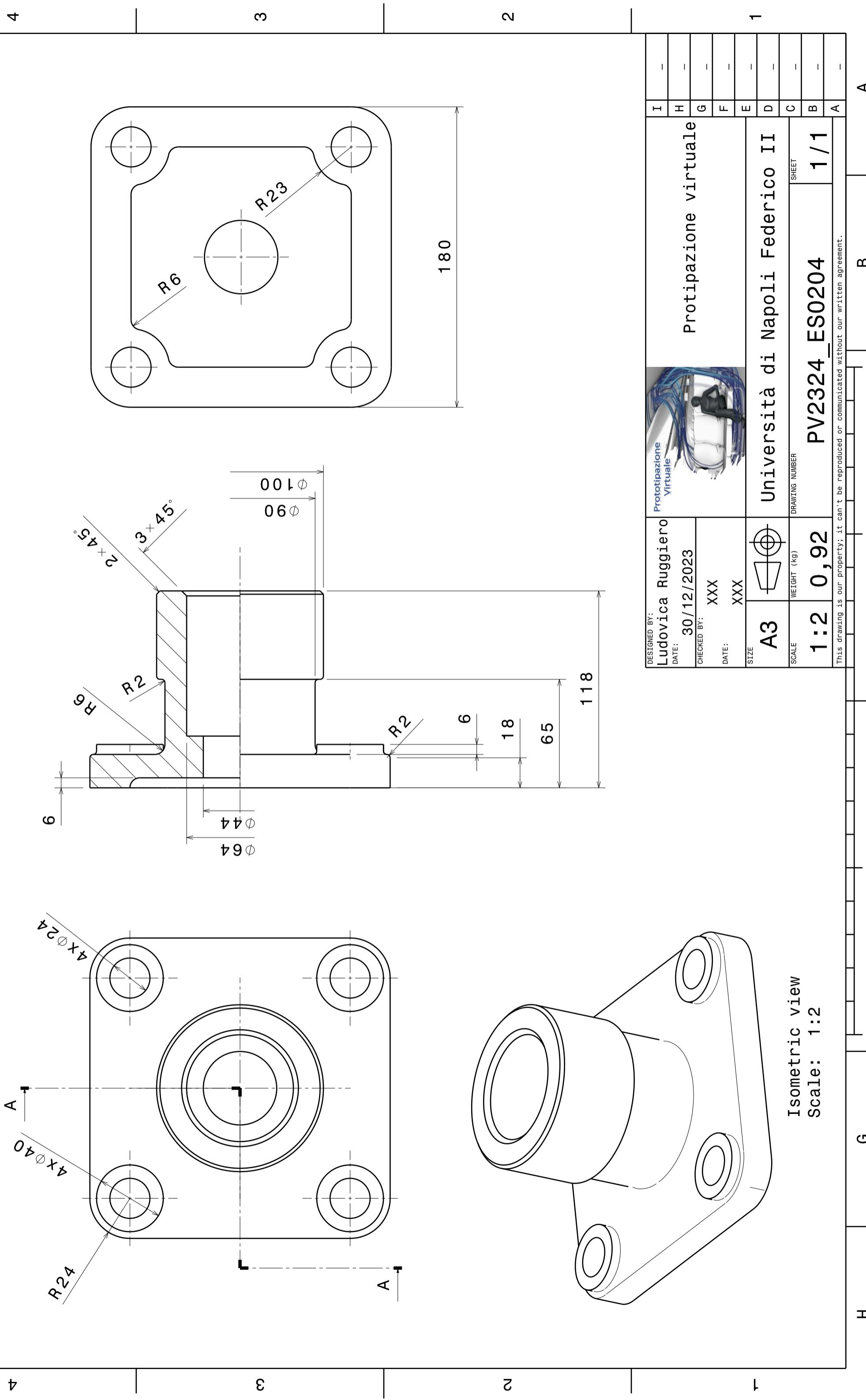
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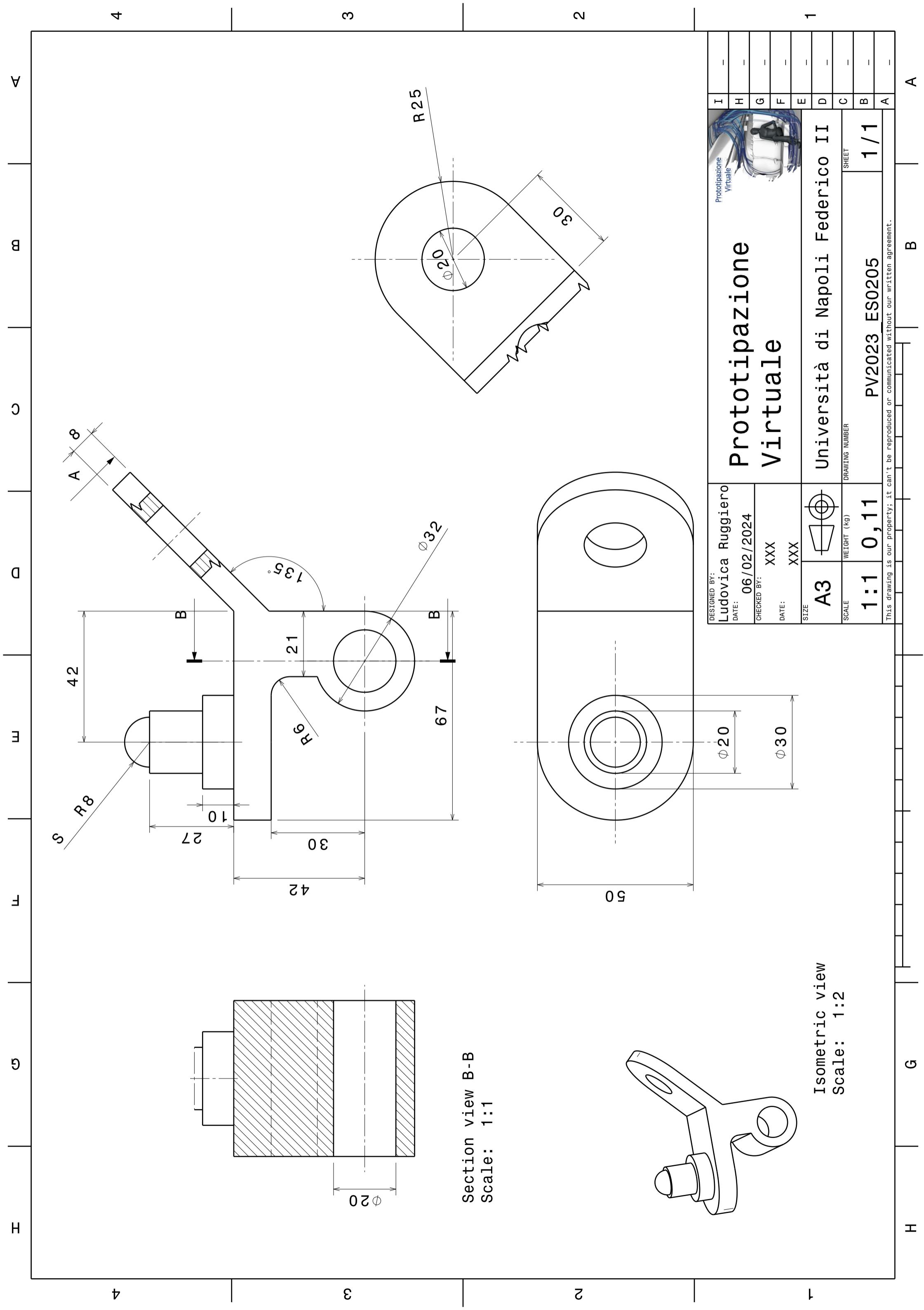
Isometric view
Scale: 1:2

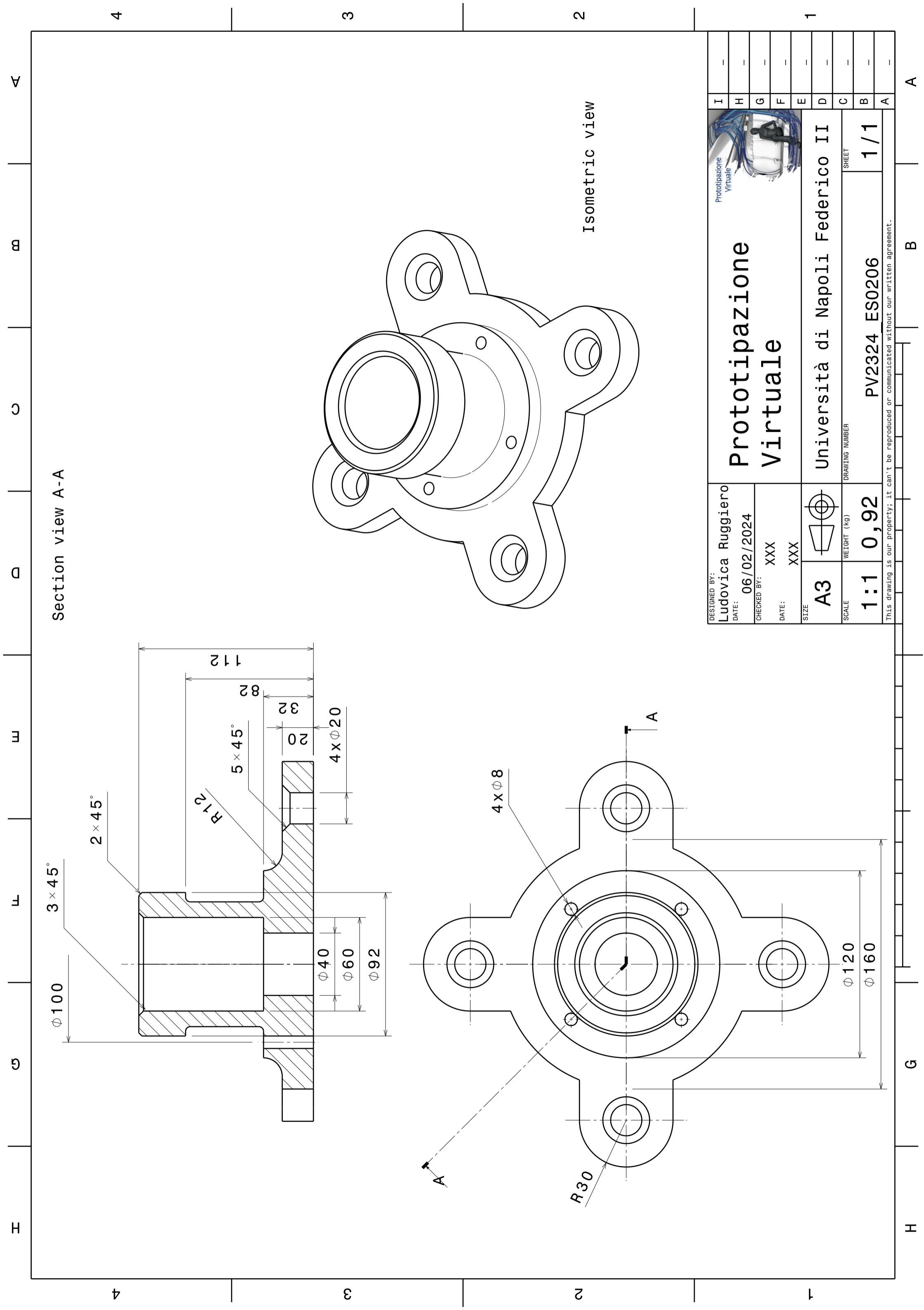


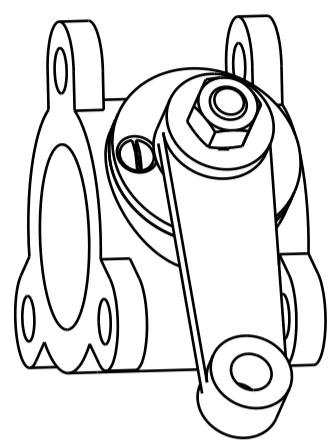
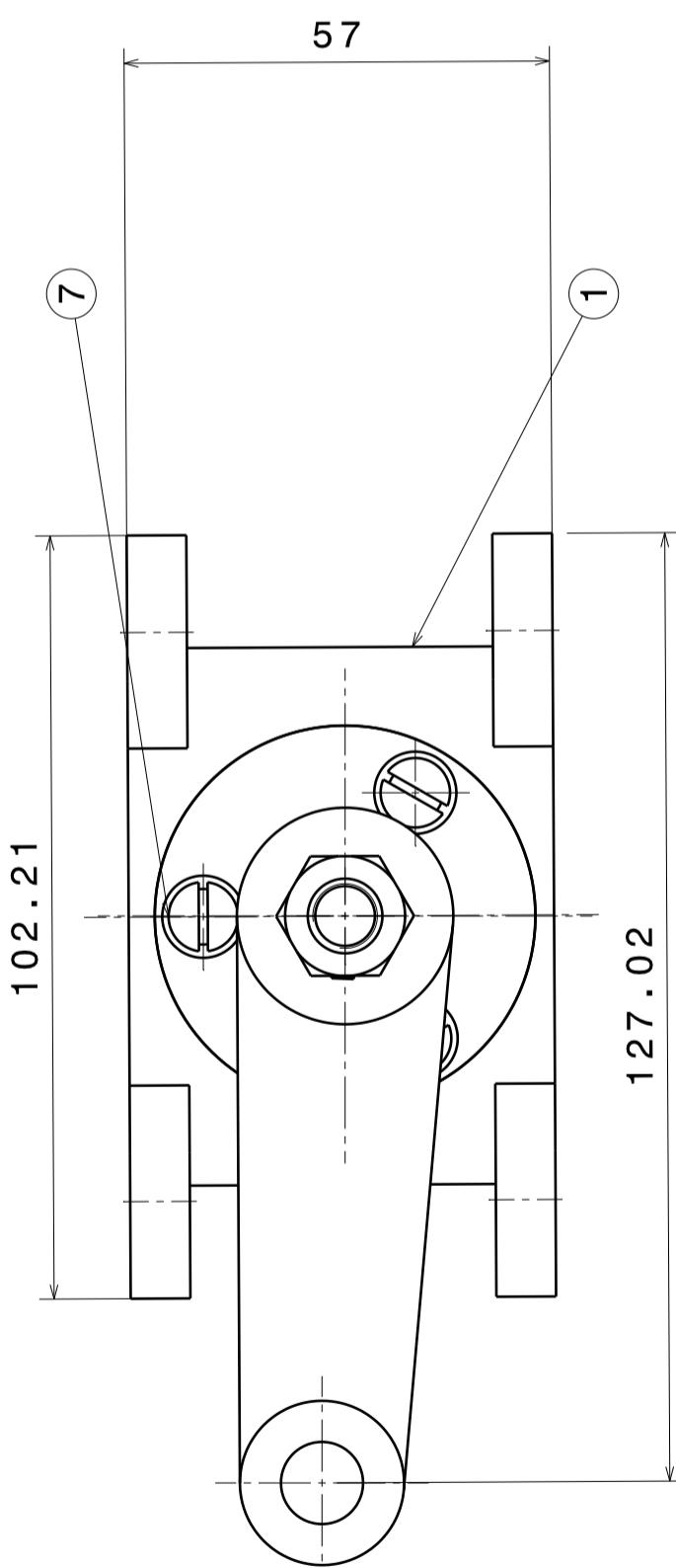


DESIGNED BY: Ludovica Ruggiero	DATE: 07/12/2023	Prototipazione Virtuale
CHECKED BY: XXX	DATE: XXX	
SHEET: C	DRAWING NUMBER: PV2324 ES0203	1 / 1
SIZE: A3	SCALE: 1 : 1	WEIGHT (kg) 0,85
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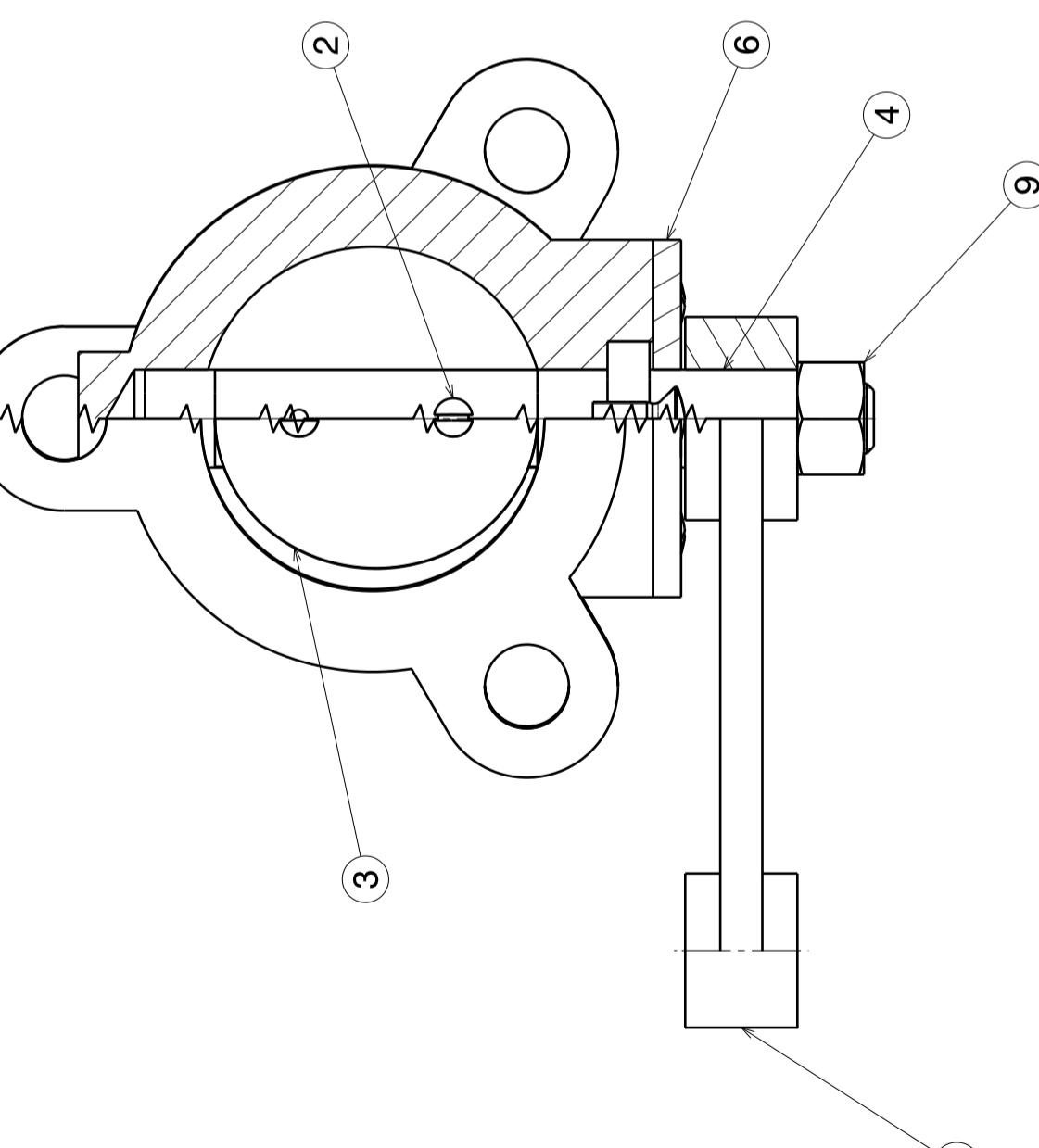






Isometric view
Scale: 1:2

4 3 2 1 H G F E D C B A



Bill of Material: PV2324_ES0300

Quantity	Part Number	Nomenclature	Materiale
1	PV2324_ES0301	Corpo Valvola	Ferro
2	PV2324_ES0302	Vite UNI EN ISO 2010 M3x6	Acciaio
1	PV2324_ES0303	Piatto	Alluminio
1	PV2324_ES0304	Alberto	Acciaio
1	PV2324_ES0305	Linguetta ISO 3912 Acciaio 3x5	Acciaio
1	PV2324_ES0306	Disco	Acciaio
3	PV2324_ES0307	Vite UNI EN ISO 2010 M5x12	Acciaio
1	PV2324_ES0308	Manovella	Acciaio
1	PV2324_ES0309	Dado M10	Acciaio

4 3 2 1 H G F E D C B A

DESIGNED BY:	Ludovica Ruggiero
DATE:	22/12/2023
CHECKED BY:	XXX
DATE:	XXX
SIZE	A3
SCALE	1 : 1
WEIGHT (kg)	1,53
DRAWING NUMBER	PV2324_ES0300

Università di Napoli Federico II

Prototipazione
Virtuale

PV2324_ES0300

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Prototipazione Virtuale

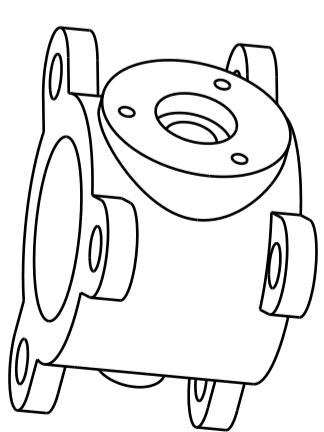
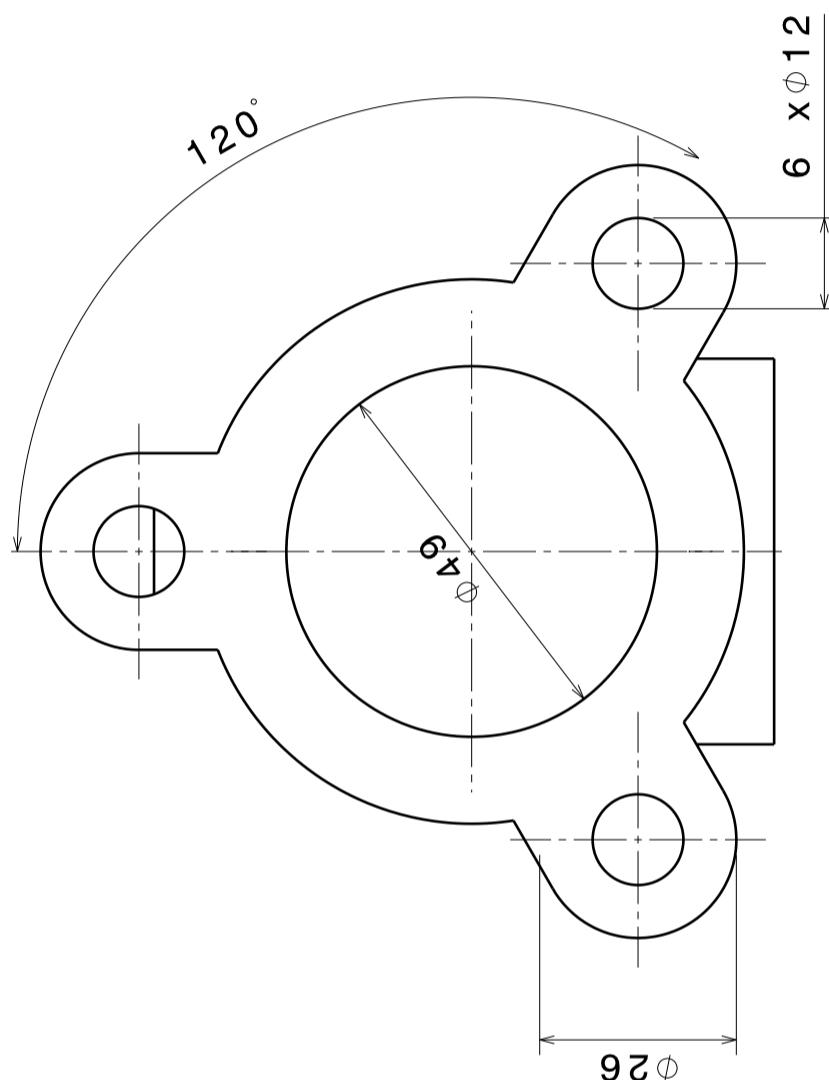
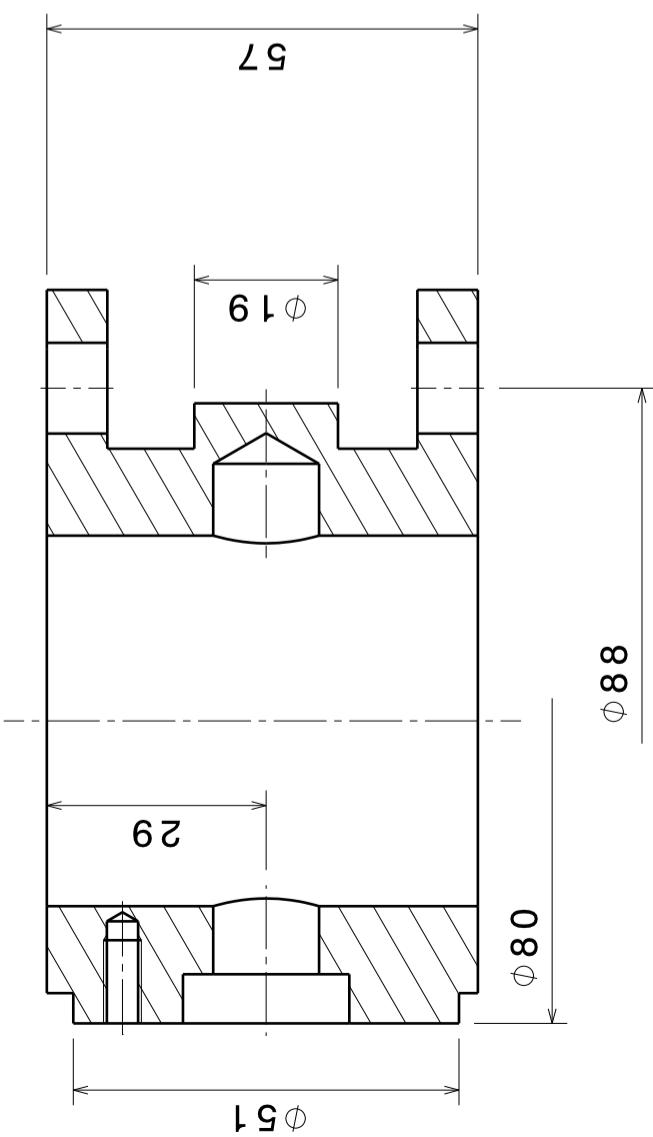
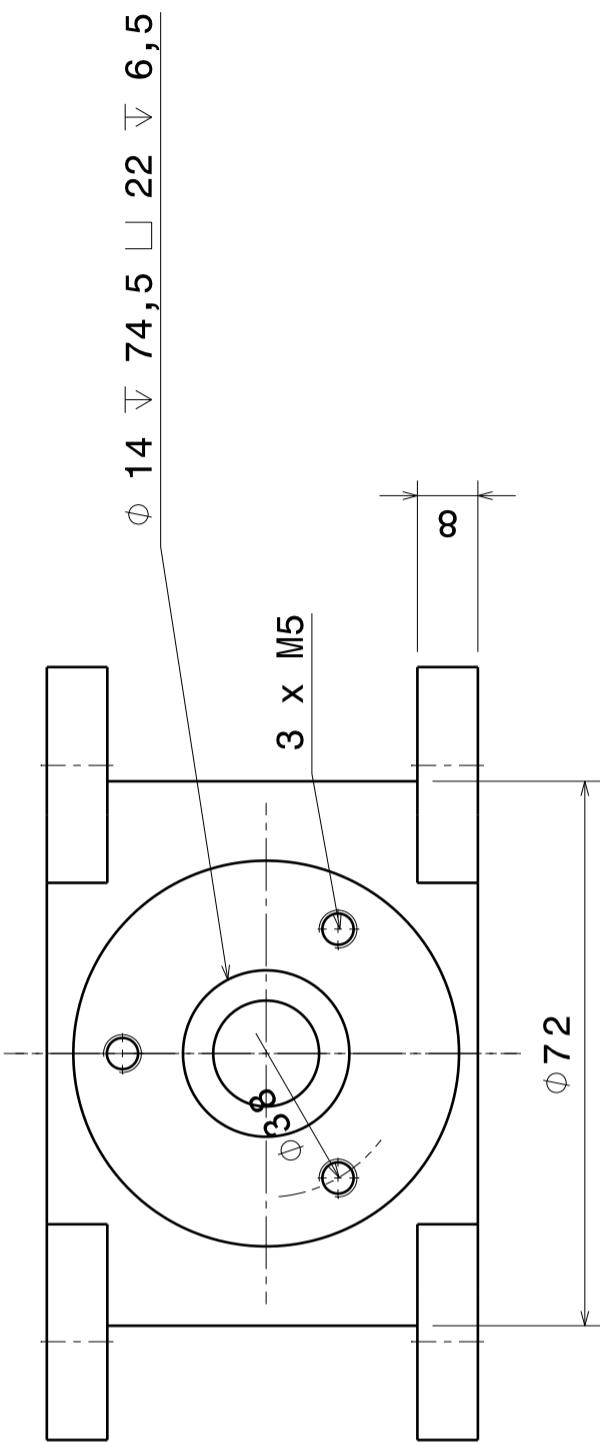
**Prototipazione
Virtuale**

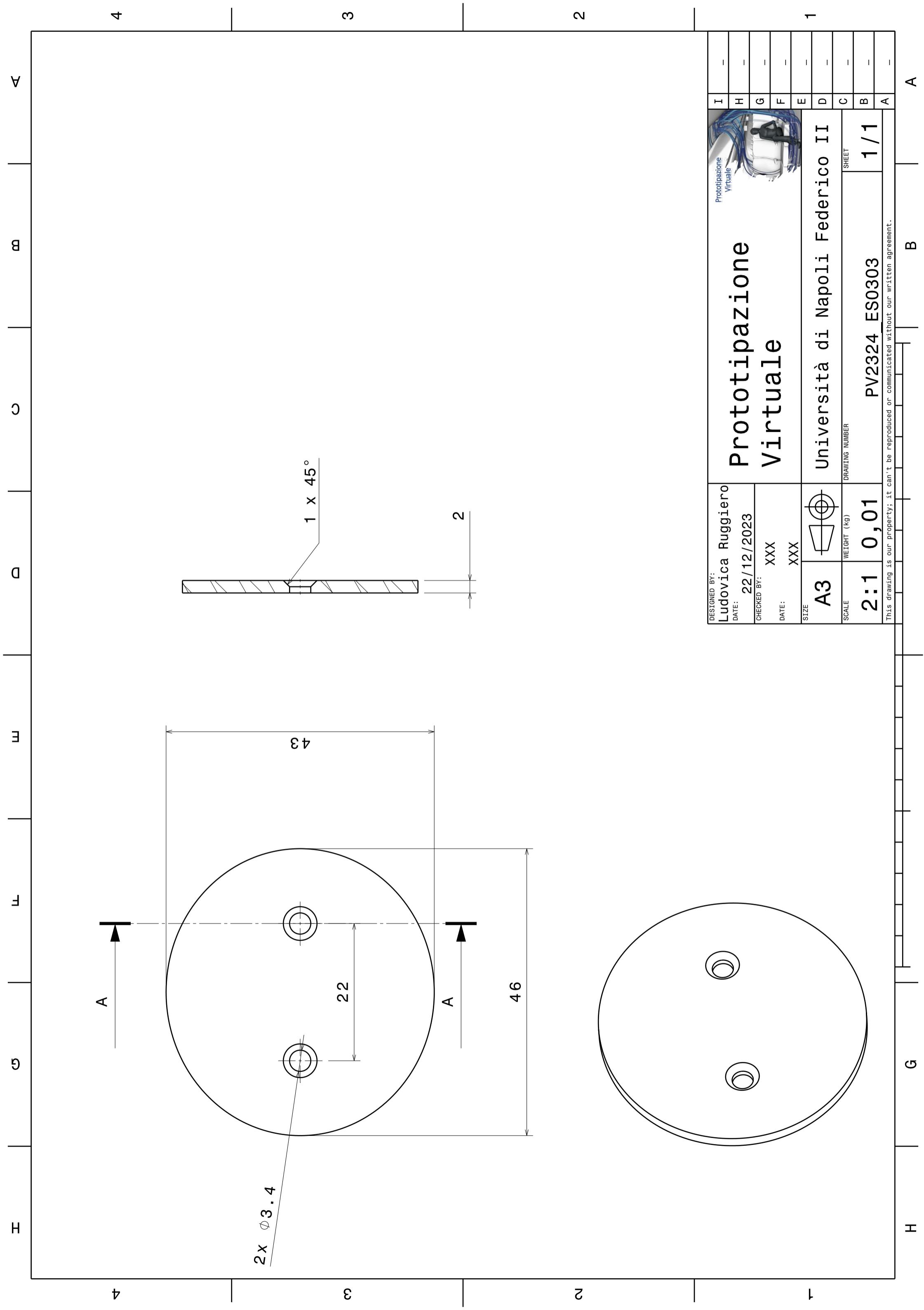
Università di Napoli Federico II

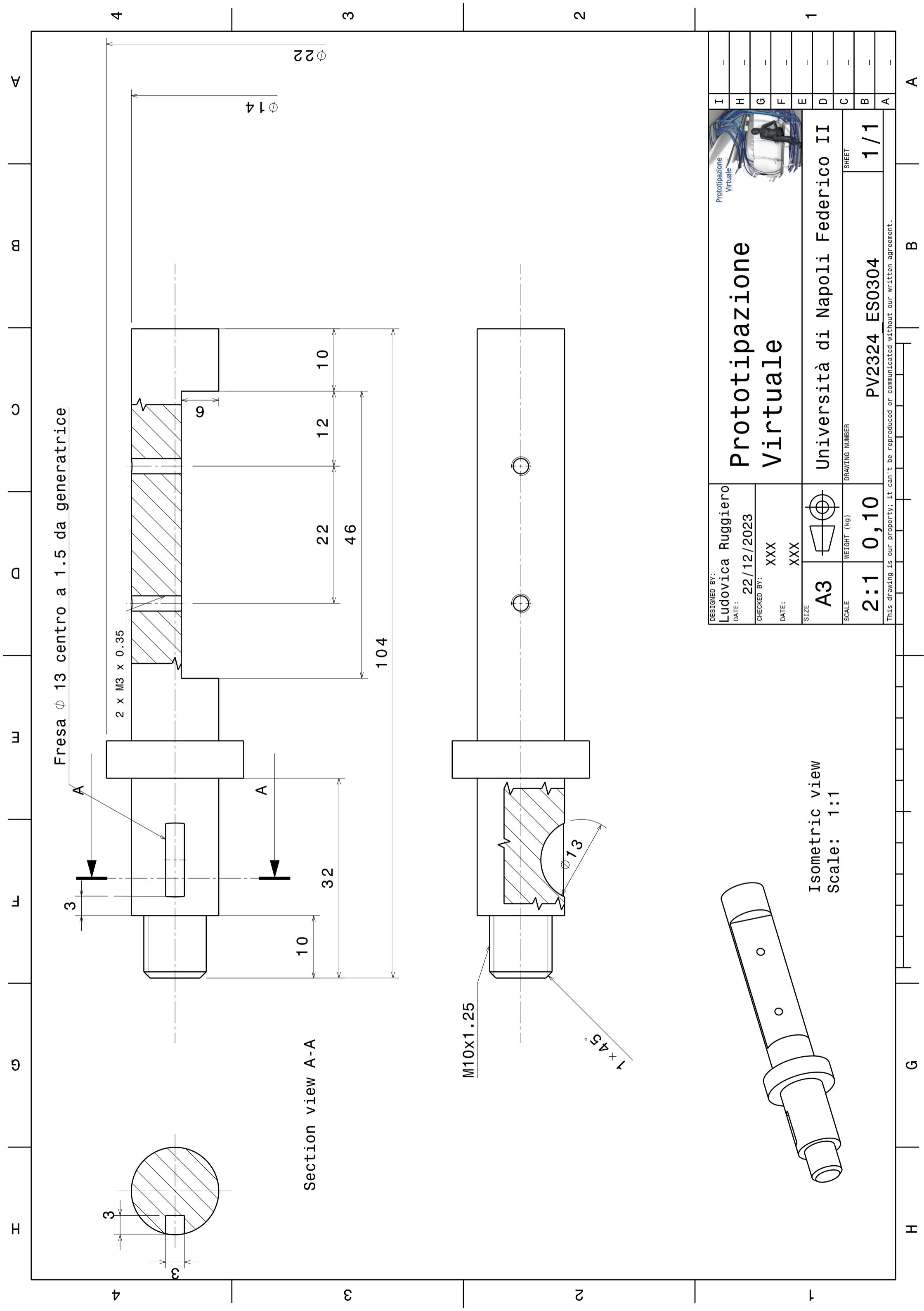
PV2324 ES0301

1 / 1

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Prototipazione Virtuale

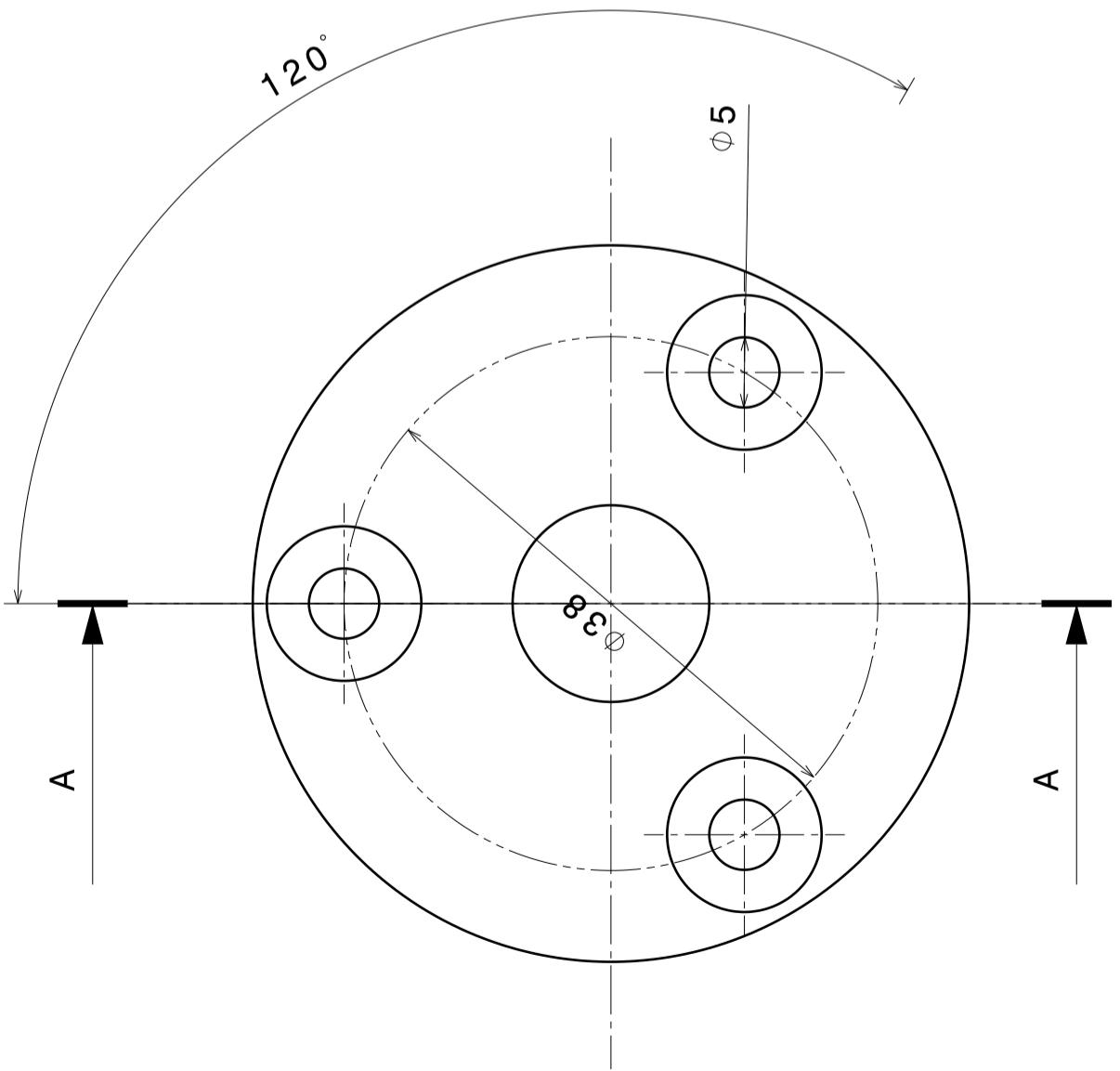
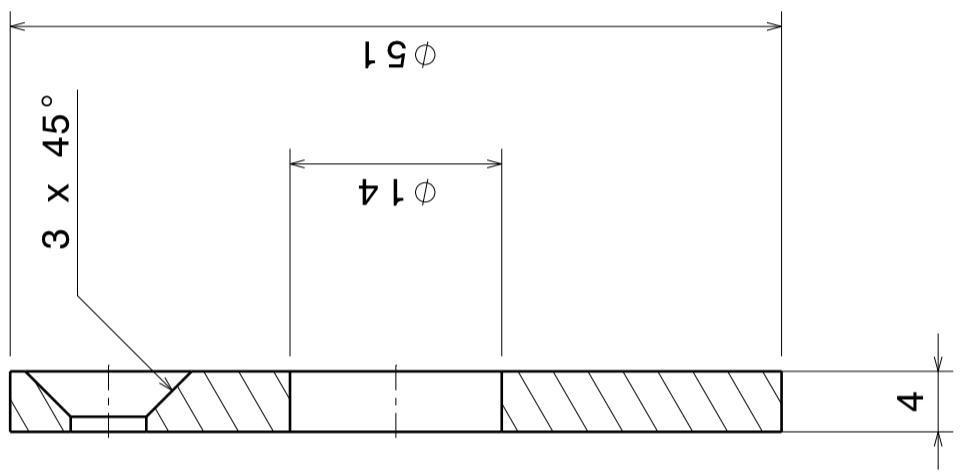
Ludovica Ruggiero
22/12/2023
XXX
XXX

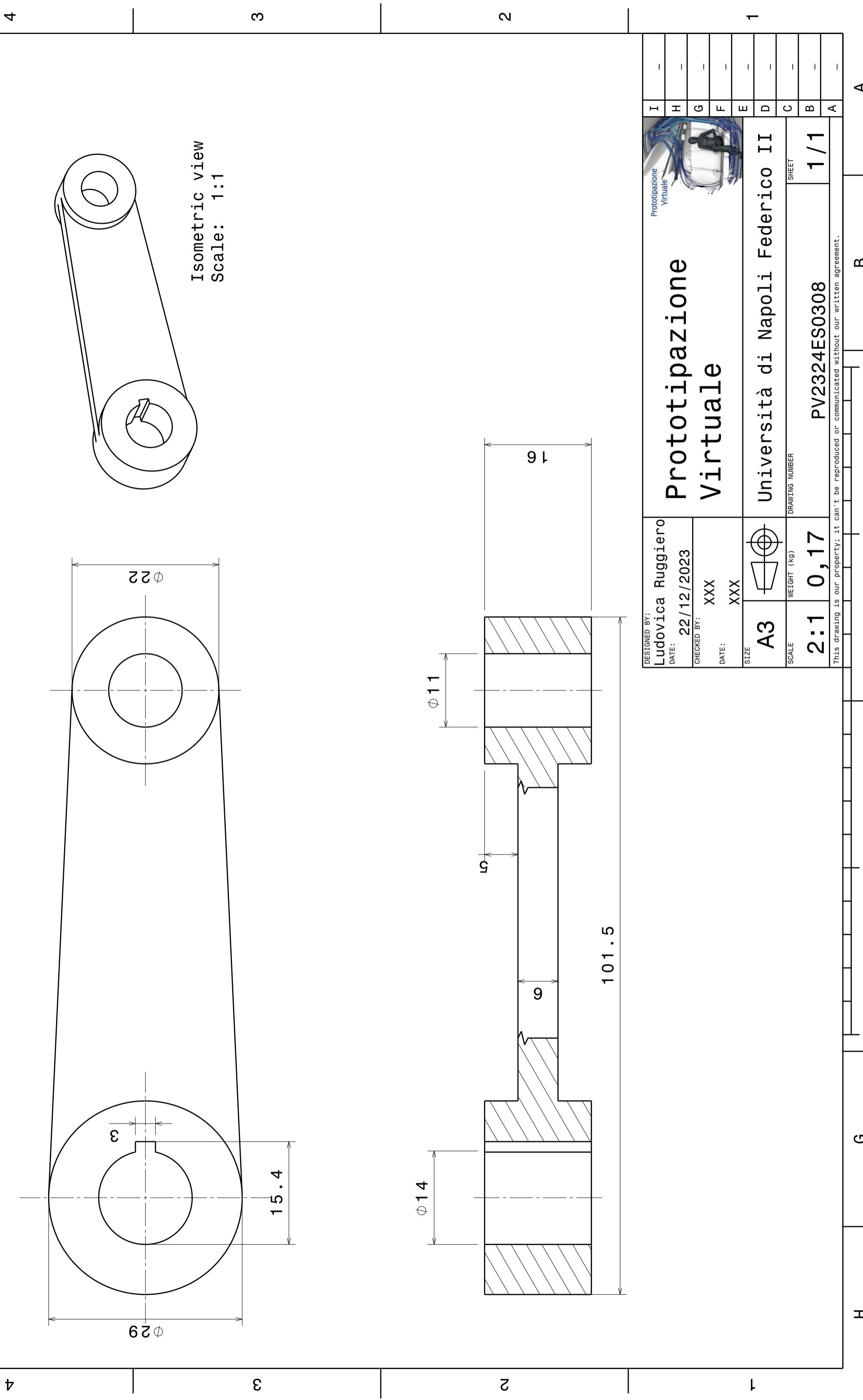
A3 | | Università di Napoli Federico II

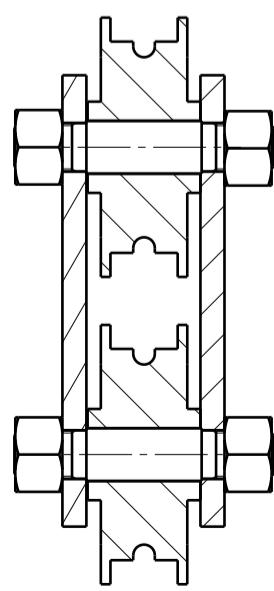
2:1 | 0,06 | PV2324ES0306

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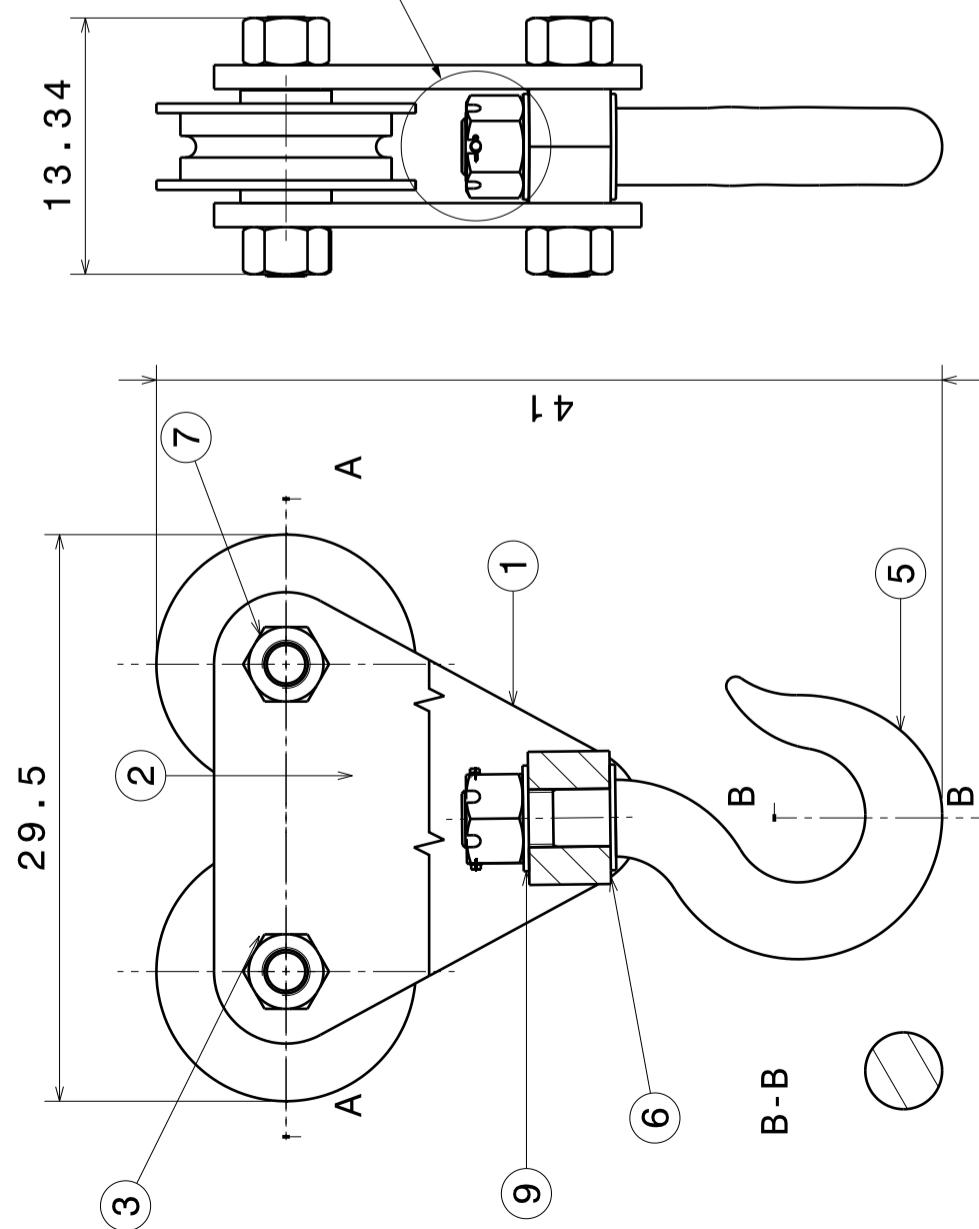
Isometric view
Scale: 1:1



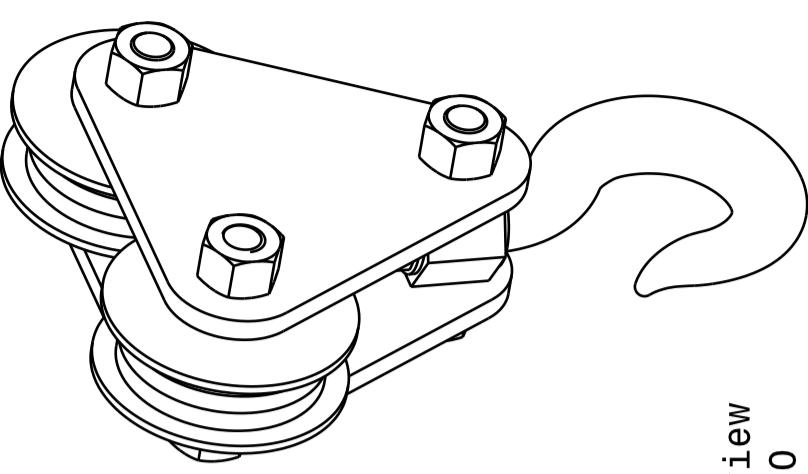
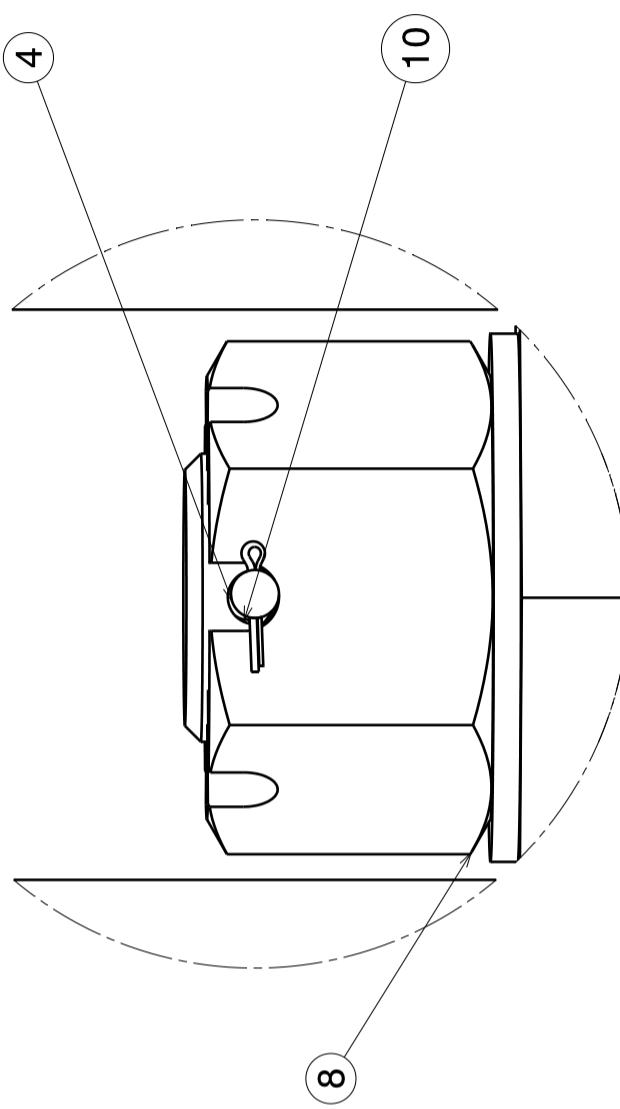




Section view A-A



Detail C
Scale: 1:2

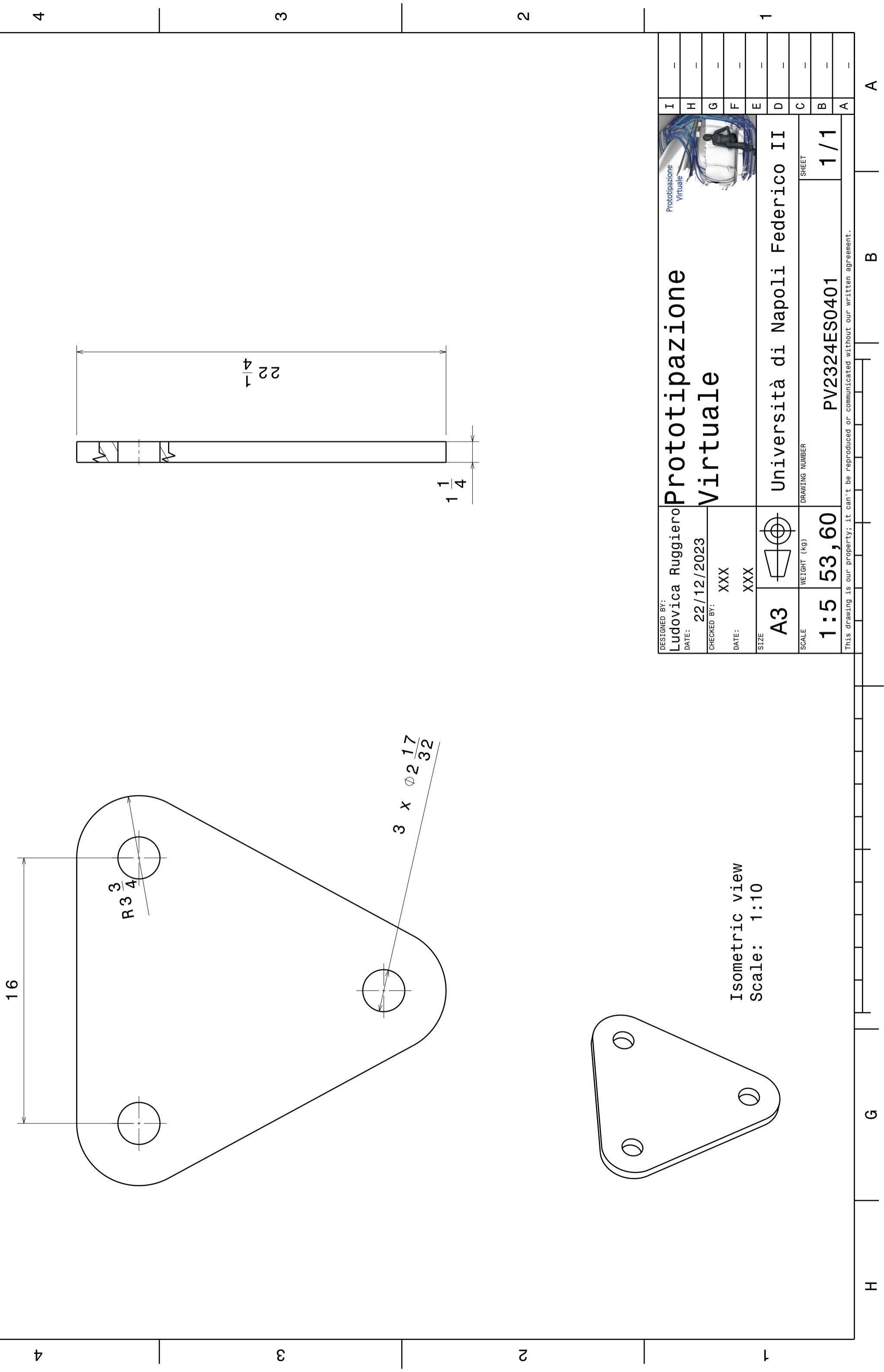


Isometric view
Scale: 1:10

DESIGNED BY: Ludovica Ruggiero	DATE: 16/11/2023
CHECKED BY: XXX	DATE: XXX
SIZE: A3	SIZE: A
SCALE: 1:10	SCALE: 1
WEIGHT (kg) XXX	DRAWING NUMBER 1 / 1

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Bill of Material: PV2324ES00		Nomenclature
Quantity	Part Number	
2	PV2324ES0401	Side Plate
2	PV2324ES0402	Pulley
2	PV2324ES0403	Pulley pin
1	PV2324ES0404	Nut lock pin
1	PV2324ES0405	crane hook
1	PV2324ES0406	Hook turnion
6	ASME B18.2.2 NUT 2 1/2 UNC STEEL HEAVY HEXAGON	STEEL HEAVY HEXAGON
1	ASME B18.2.2 NUT 3 UNC STEEL HEAVY HEX SLOTTED	STEEL HEAVY HEX SLOTTED
2	ANSI B18.22.1 WASHER 3 (1)	WASHER
2	ASME B18.8.1 PIN 1/8 x 1 STEEL EXTENDED	COTTER PIN
2	PRONG COTTER	



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

Prototipazione Virtuale

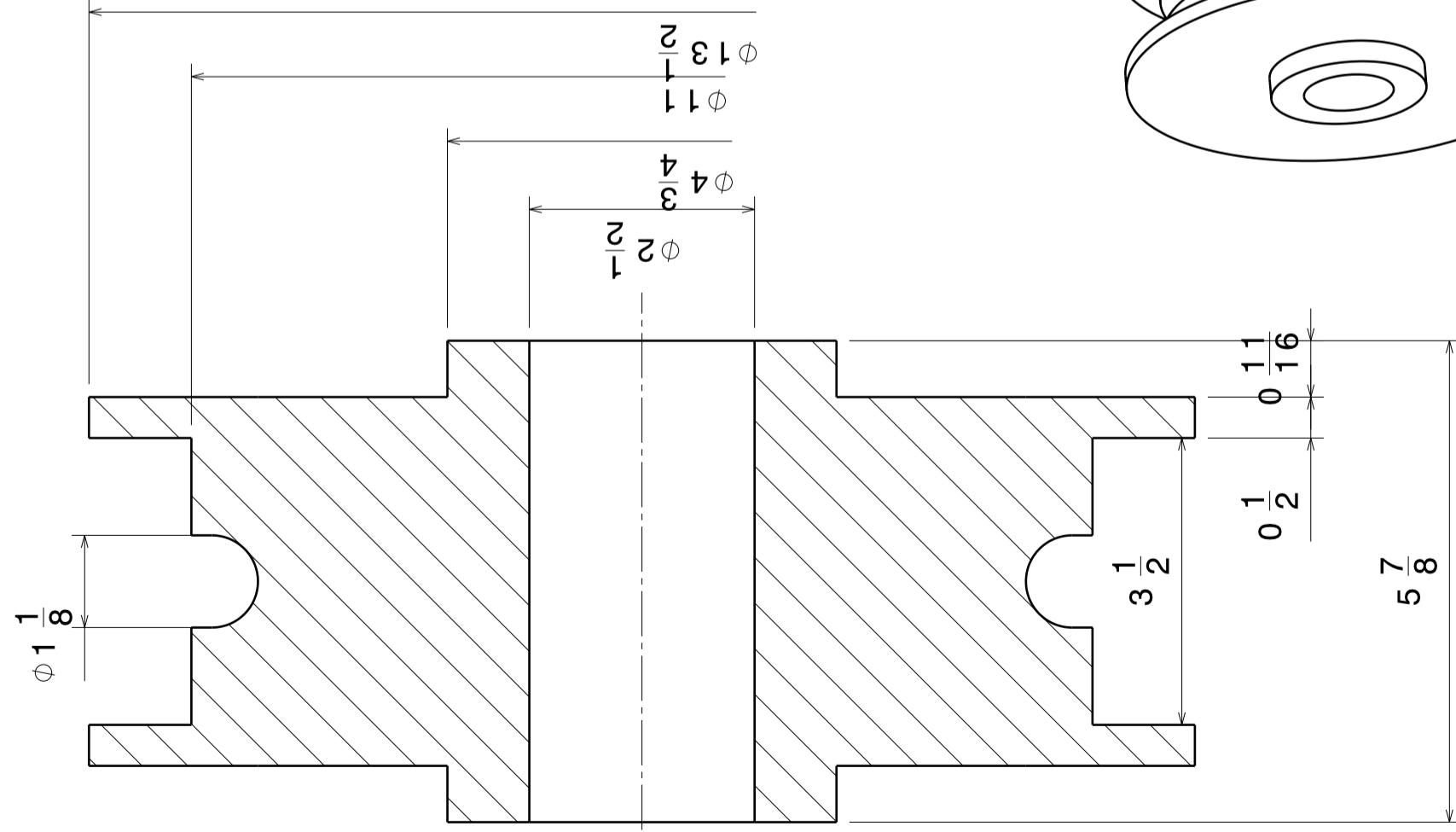
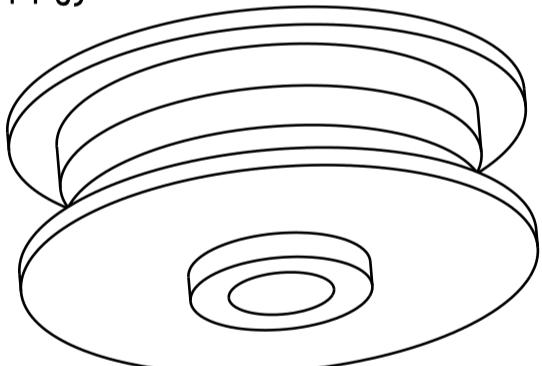
Prototipazione Virtuale

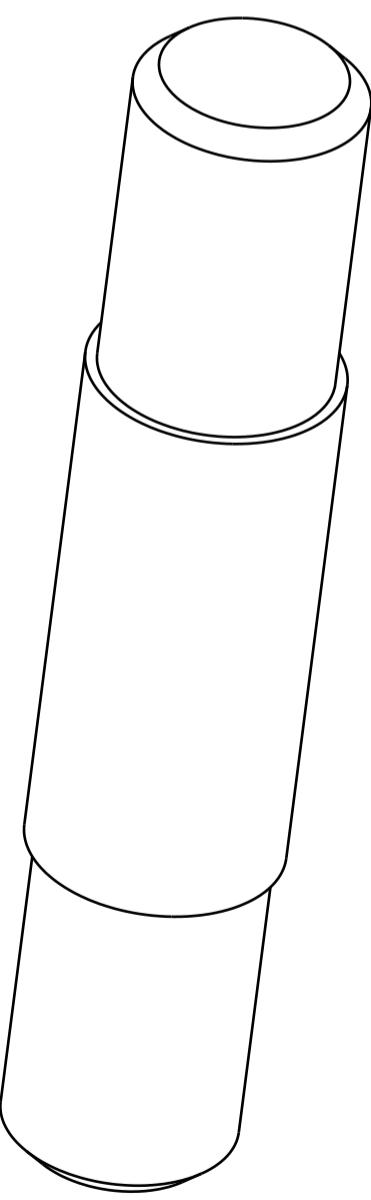
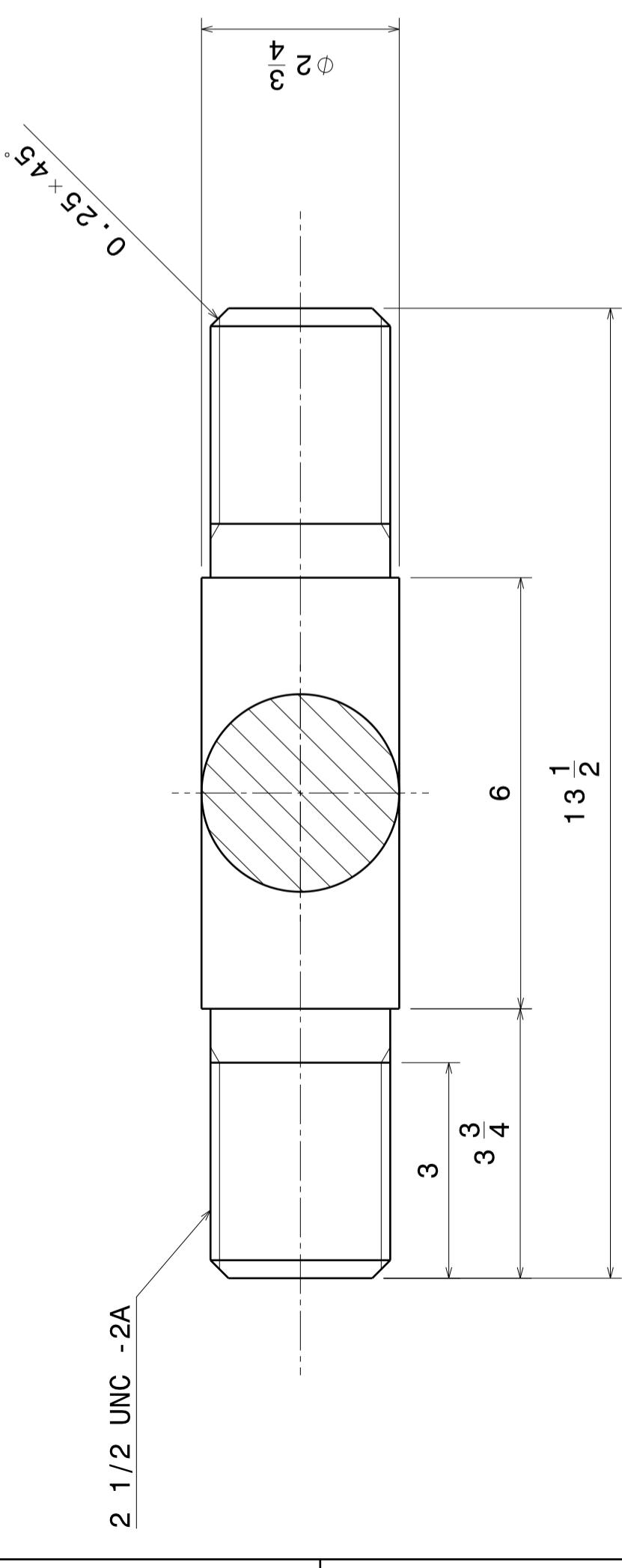
Università di Napoli Federico II

1 / 1

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Isometric view
Scale: 1:5





Isometric view

Prototipazione
Virtuale

**Prototipazione
Virtuale**

DESIGNED BY:	Ludovica Ruggiero
DATE:	22/12/2023
CHECKED BY:	XXX
DATE:	XXX
SIZE	A3
SCALE	1 : 2
WEIGHT (kg)	9,27
DRAWING NUMBER	PV2324ES0403
SHEET	1 / 1

Università di Napoli Federico II

1 / 1

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B

H

G

A

4

3

2

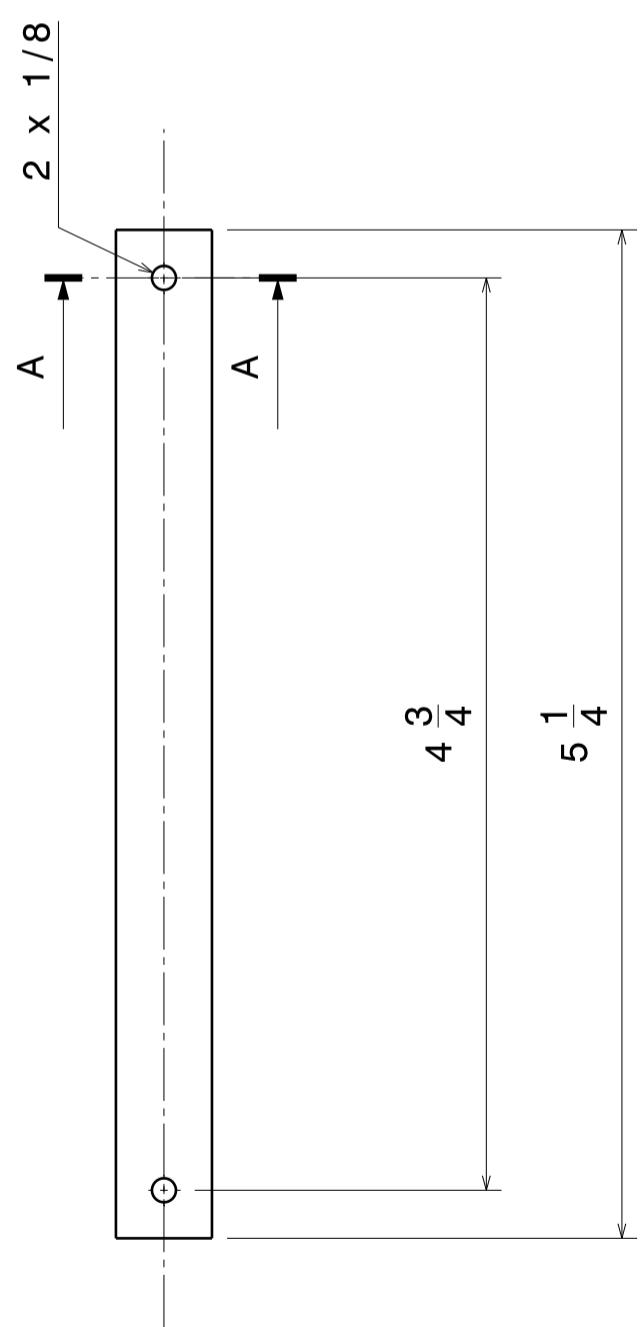
1

4

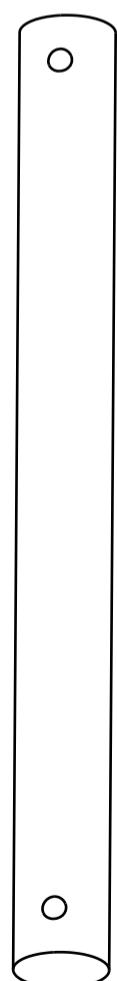
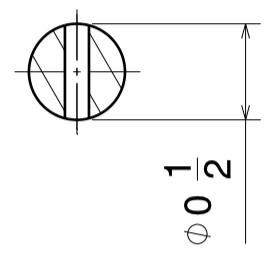
3

2

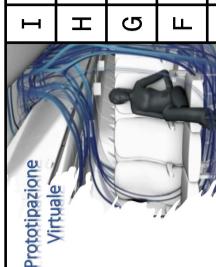
1



Section view A-A



DESIGNED BY: Ludovica Ruggiero		Prototipazione Virtuale	
DATE: 22/12/2023			
CHECKED BY: XXX			
DATE: XXX			
SIZE A3		Università di Napoli Federico II	
SCALE 1:1		DRAWING NUMBER PV2324ES04004	
WEIGHT (kg)		1 / 1	
SHEET C		This drawing is our property; it can't be reproduced or communicated without our written agreement.	
B			
A			



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H

G

A

Isometric view

4

3

2

1

A

B

C

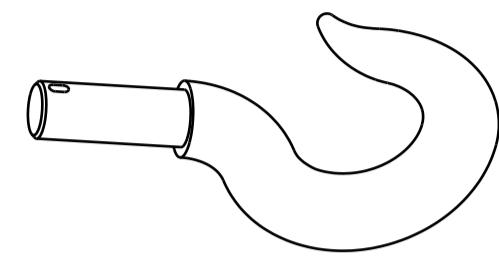
D

E

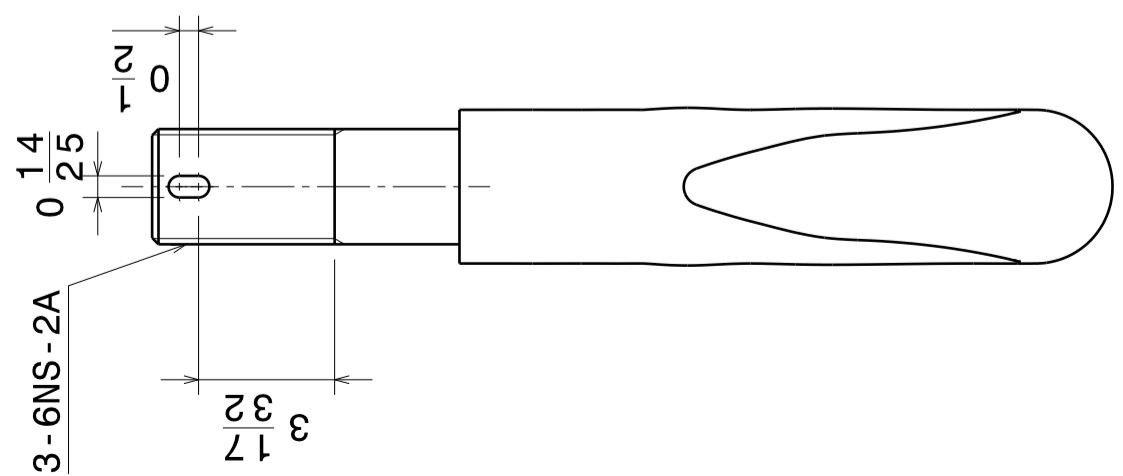
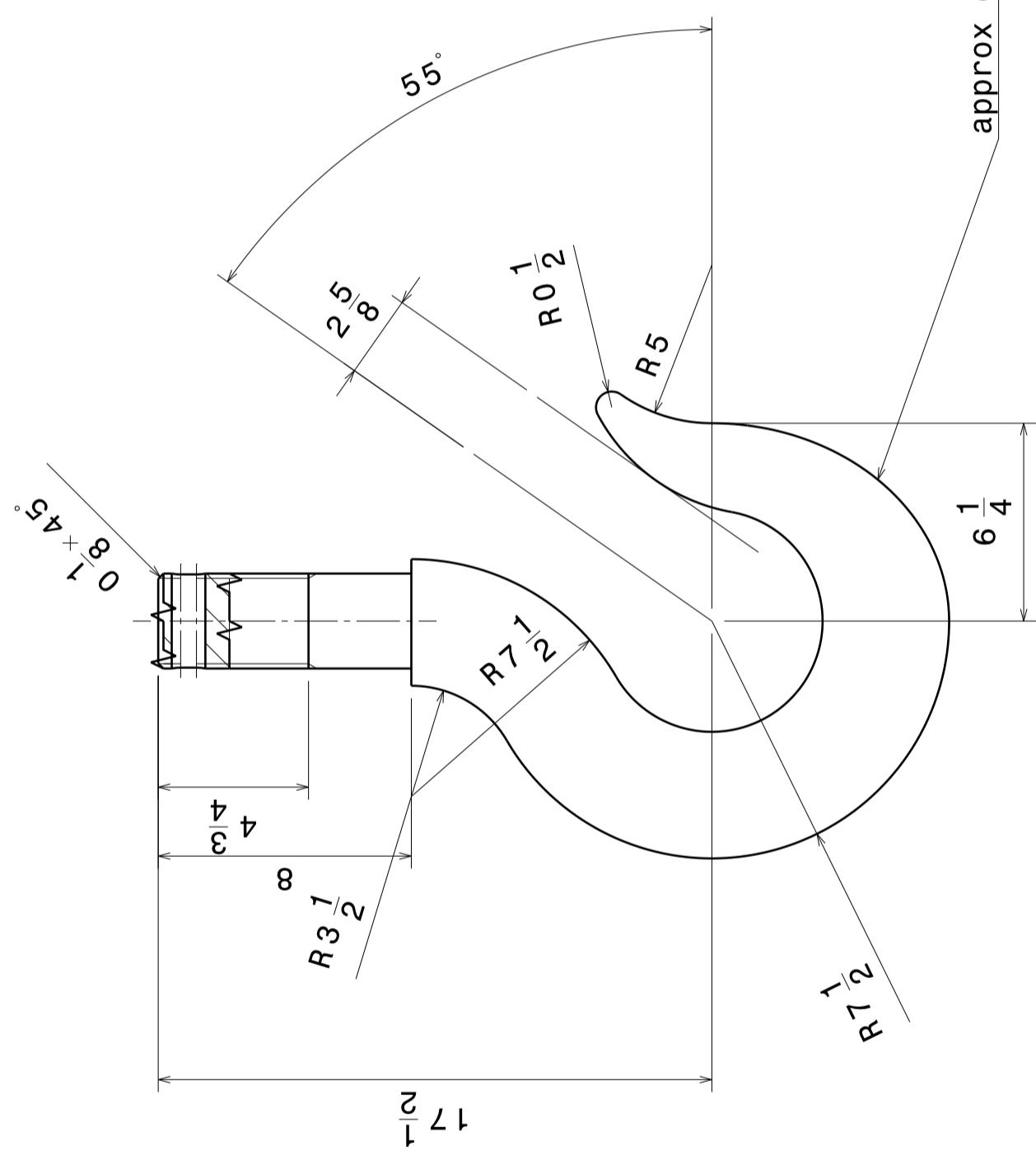
F

G

H



Isometric view
Scale: 1:10



Prototipazione
Virtuale

Prototipazione Virtuale

DESIGNED BY:	Ludovica Ruggiero
DATE:	22/12/2023
CHECKED BY:	XXX
DATE:	XXX
SIZE	A3

SIZE	WEIGHT (kg)	DRAWING NUMBER
A3	1 : 5	PV2324ES0405

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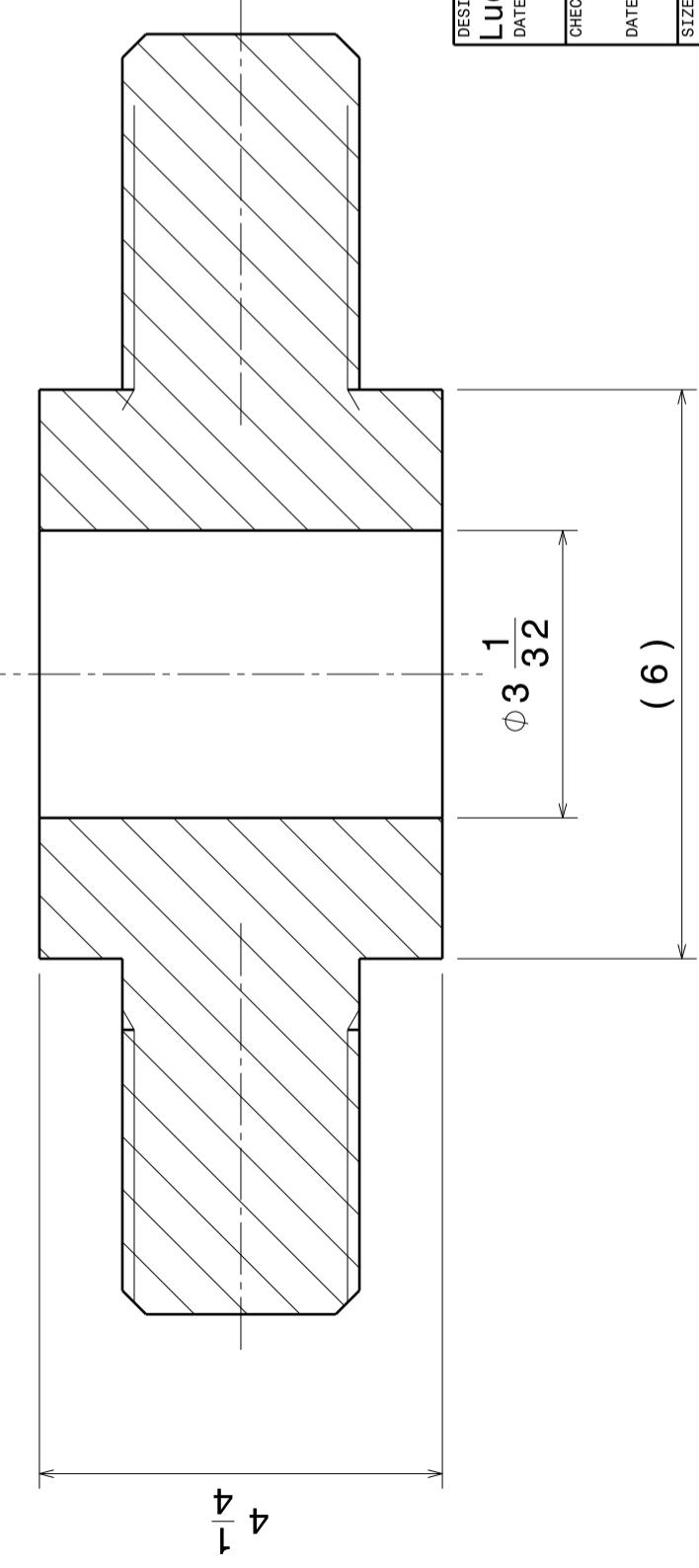
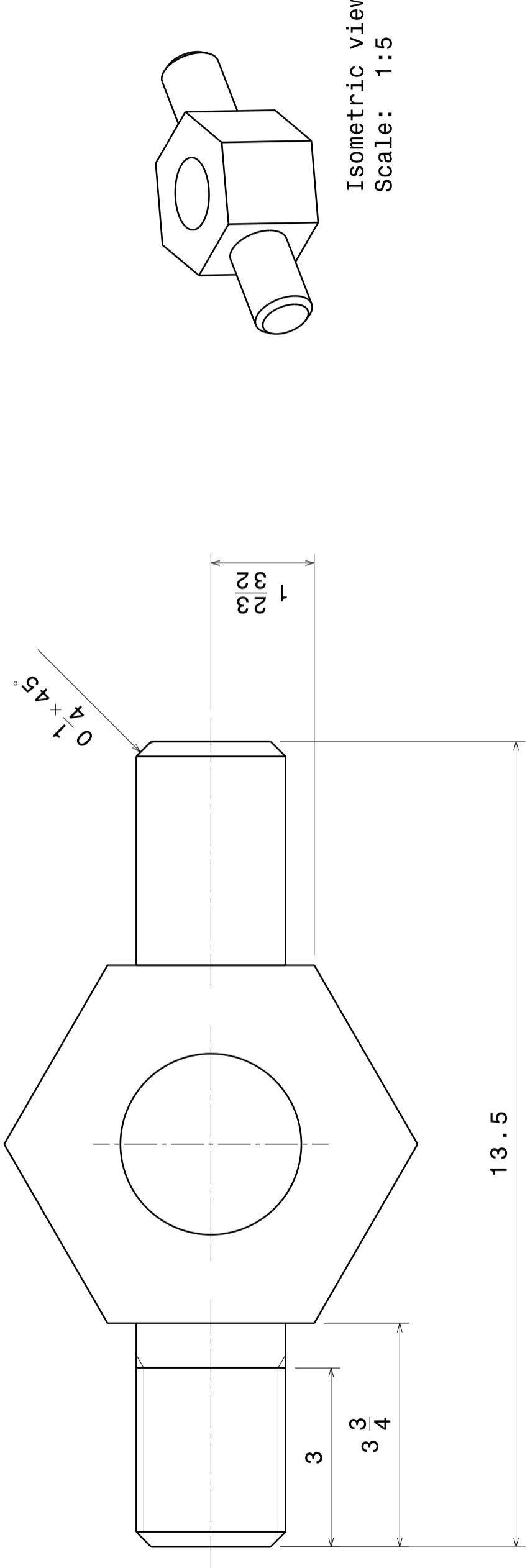
Sheet 1 / 1

A

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

Prototipazione Virtuale	1 / 1
DESIGNED BY: Ludovica Ruggiero	Prototipazione Virtuale
DATE: 22/12/2023	
CHECKED BY: XXX	
DATE: XXX	
SIZE A3	Università di Napoli Federico II
SCALE 1 : 2	D -
WEIGHT (kg)	DRAWING NUMBER
2,26	PV2324ES0406

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4

3

2

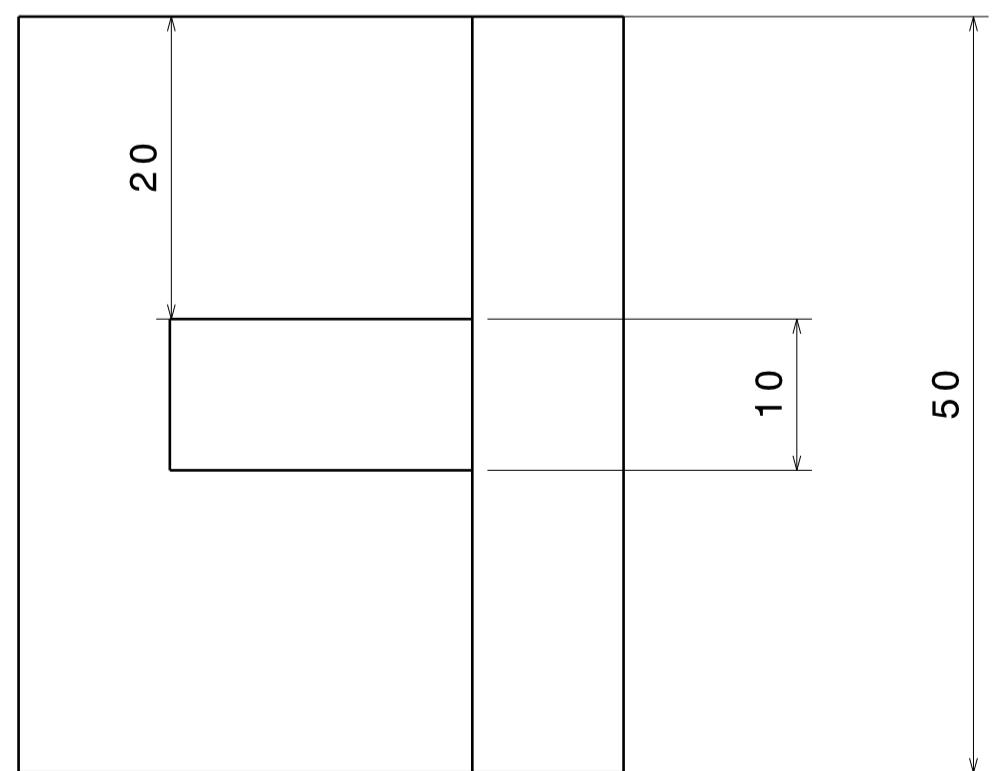
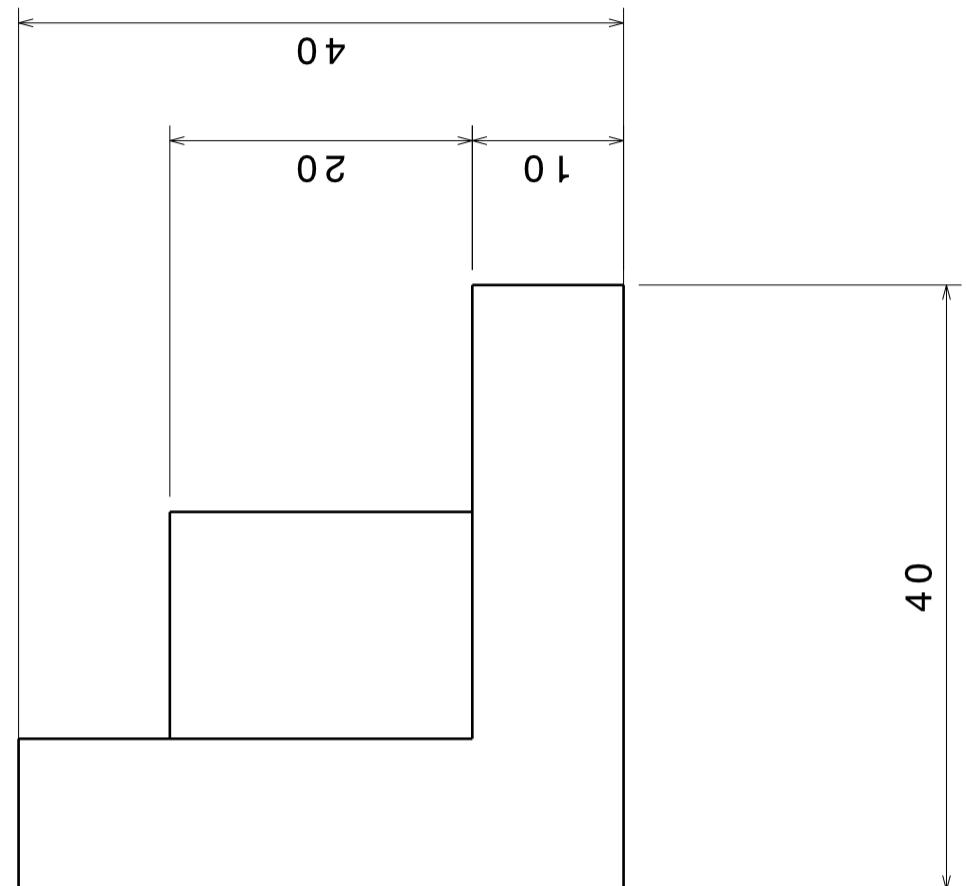
1

4

3

2

1



Prototipazione Virtuale

DESIGNED BY:
Ludovica Ruggiero
DATE:
10/12/2023
CHECKED BY:
XXX
DATE:
XXX

SIZE
A3
SCALE
2:1

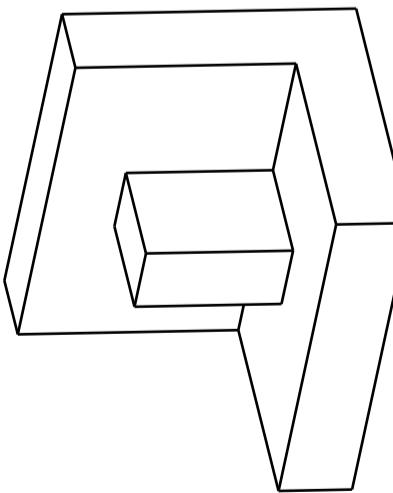
WEIGHT (kg)
XXX

DRAWING NUMBER
PV2324 ES0601

SHEET
1 / 1

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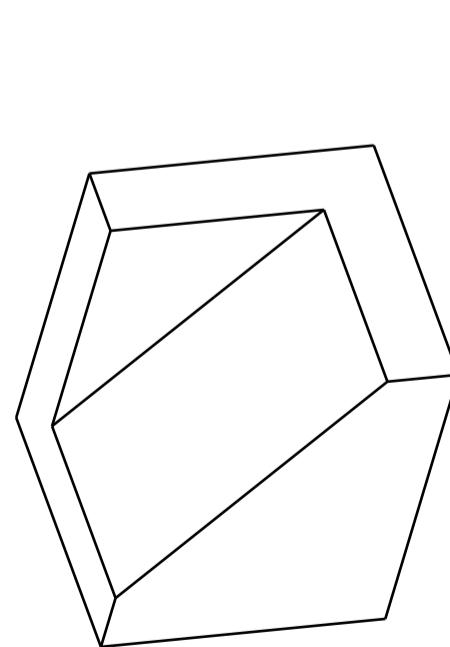
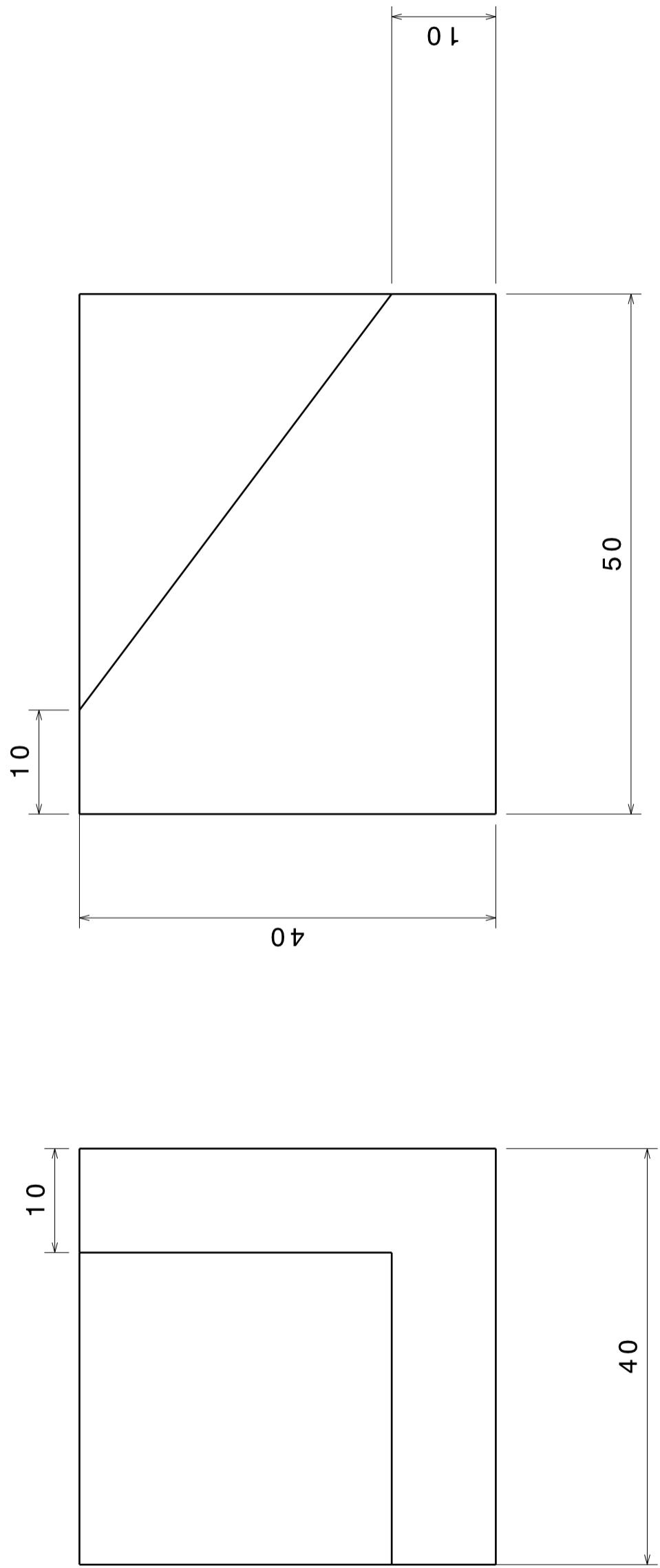
Isometric view
Scale: 1:1



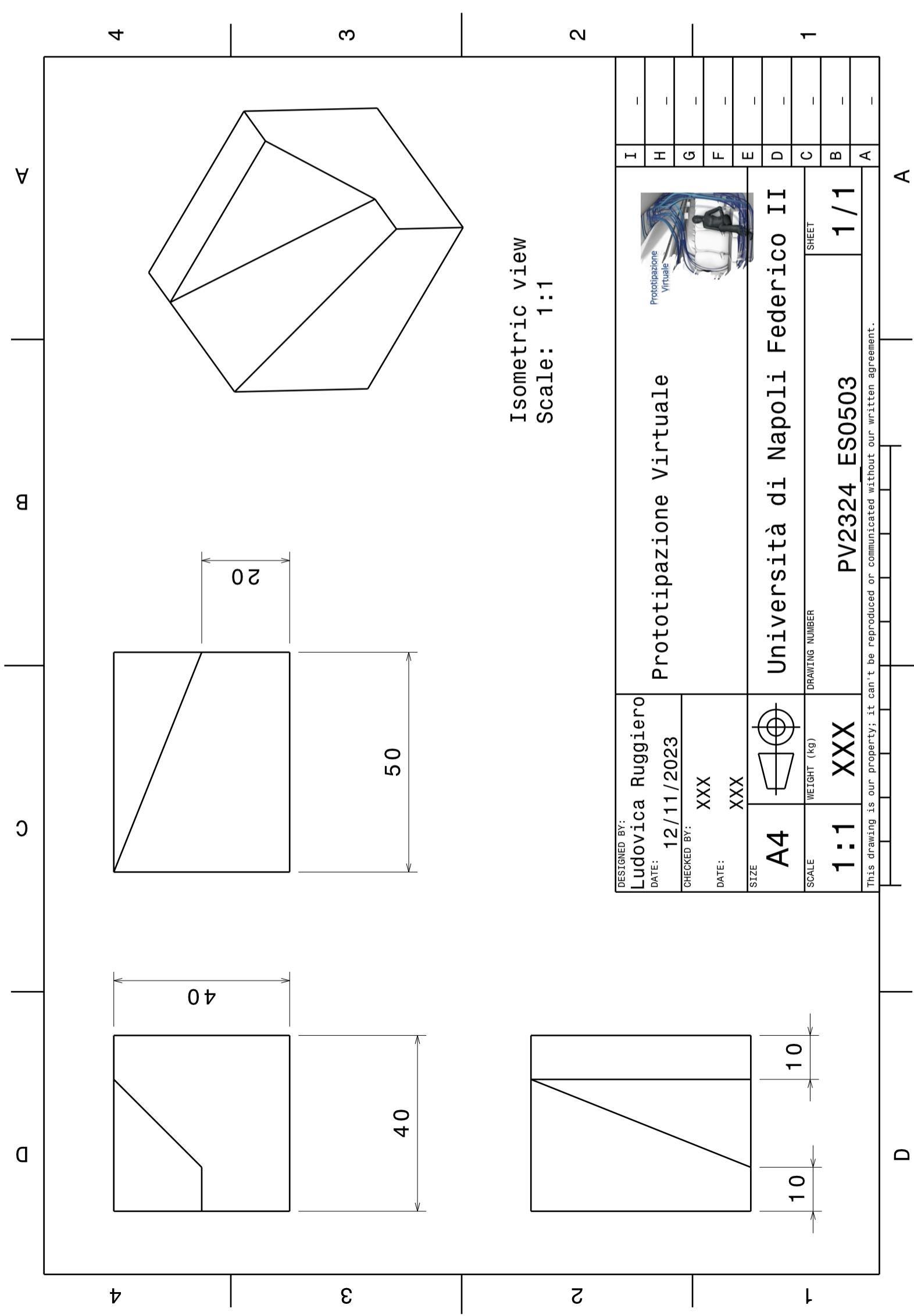
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

Prototipazione Virtuale	
DESIGNED BY: Ludovica Ruggiero	Prototipazione Virtuale
DATE: 10/12/2023	
CHECKED BY: XXX	
DATE: XXX	
SIZE A3	Università di Napoli Federico II
SCALE 2:1	DRAWING NUMBER PV2324 ES0502
	1 / 1

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Isometric view
Scale: 1:1



I	-	Prototipazione Virtuale
H	-	
G	-	
F	-	
E	-	
D	-	Università di Napoli Federico II
C	-	
B	-	
A	-	

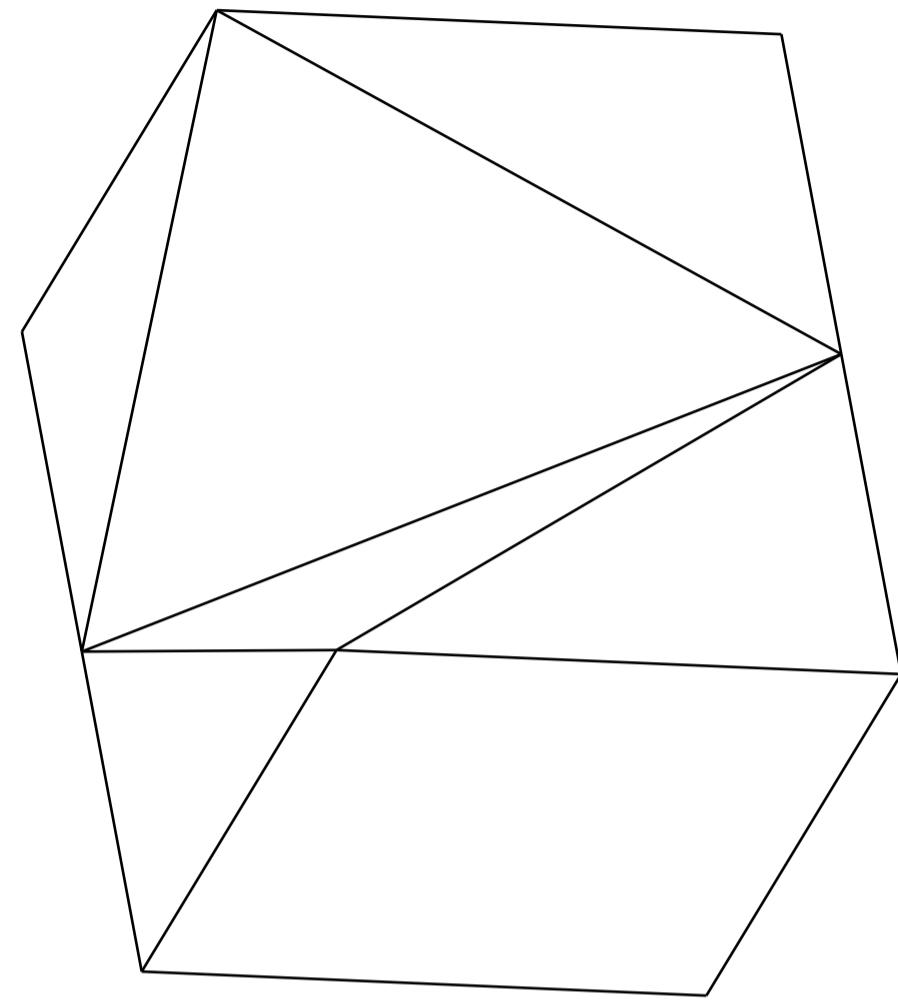
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Prototipazione Virtuale

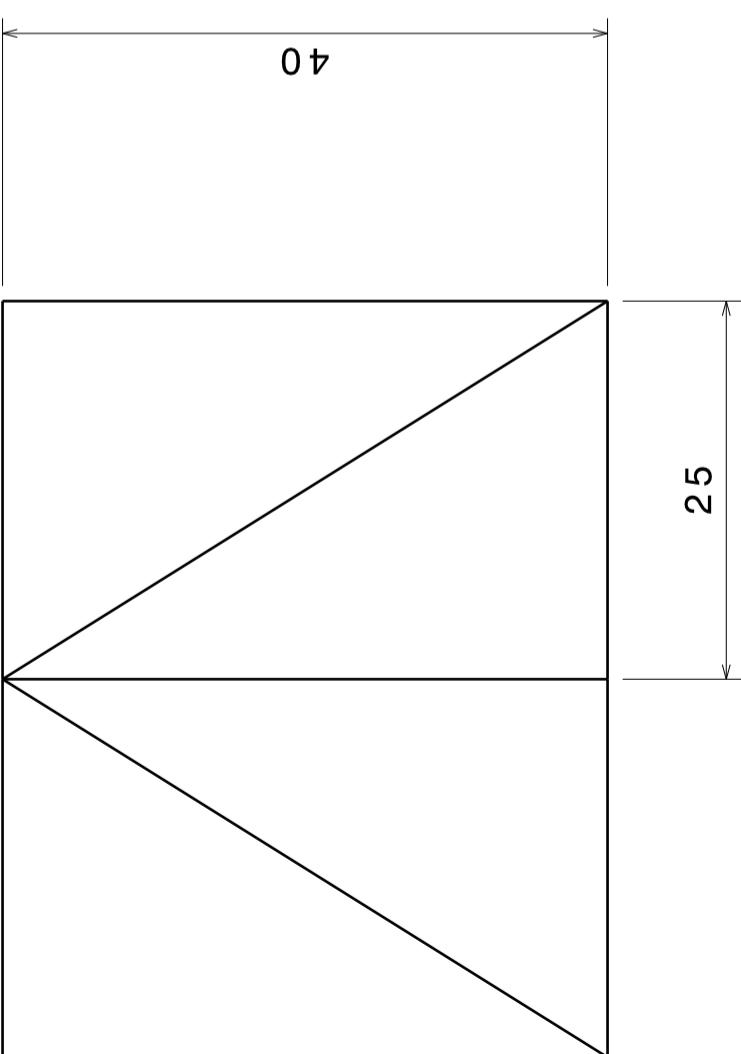
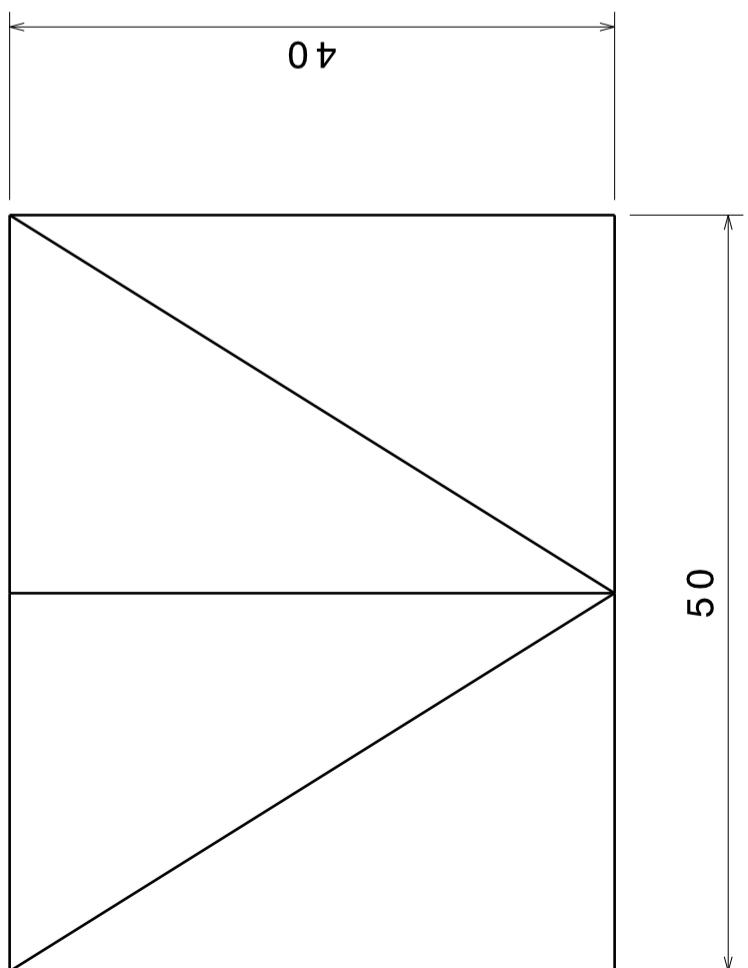
1 / 1
PV2324 ES0504

DESIGNED BY:
Ludovica Ruggiero
DATE: 10/12/2023
CHECKED BY: XXX
DATE: XXX
SIZE: A3

WEIGHT (kg)
XXX
DRAWING NUMBER
1 / 1
SHEET
1



Isometric view
Scale: 2:1

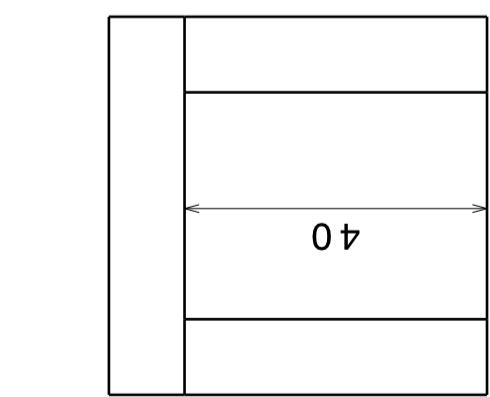
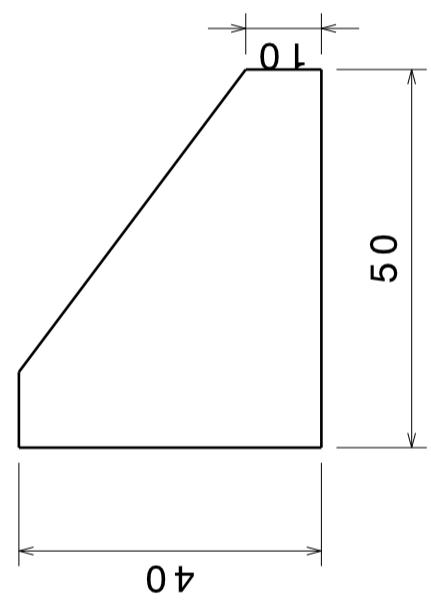
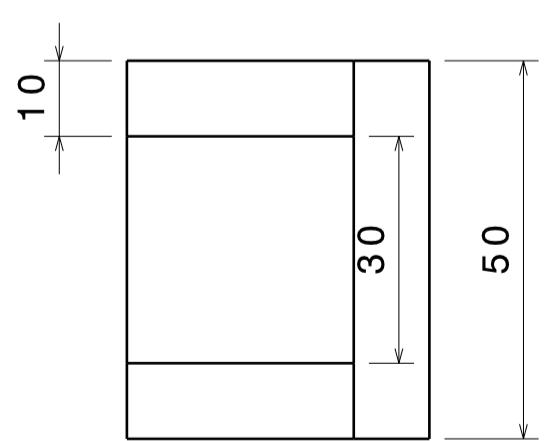


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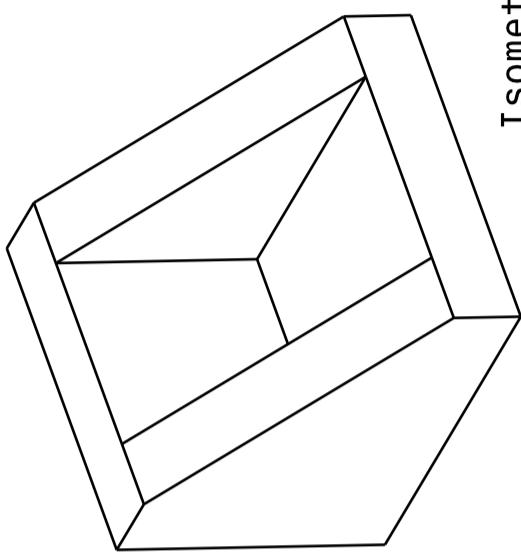
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2

1



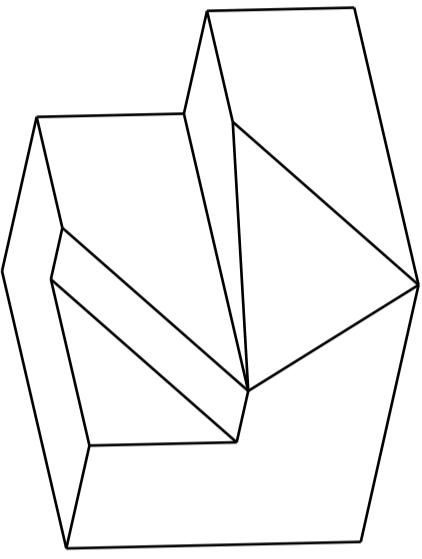
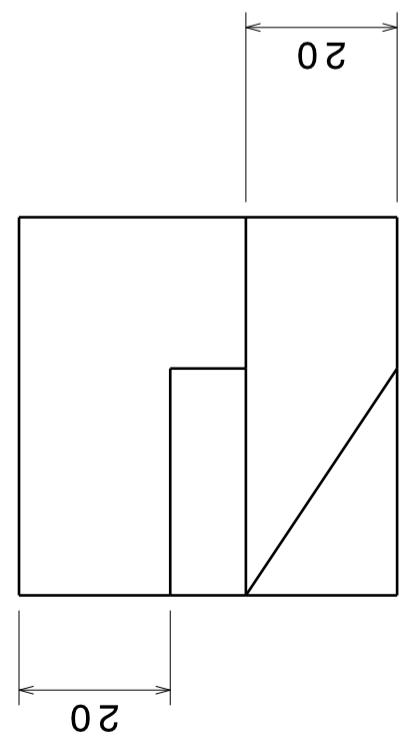
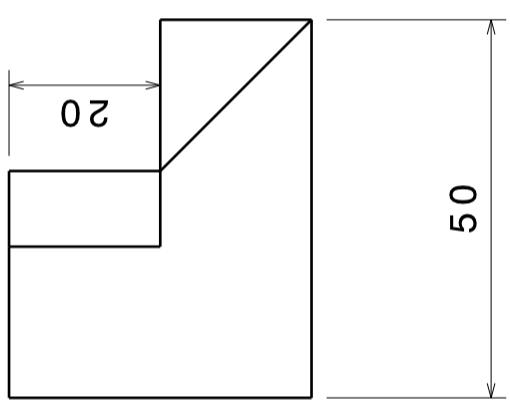
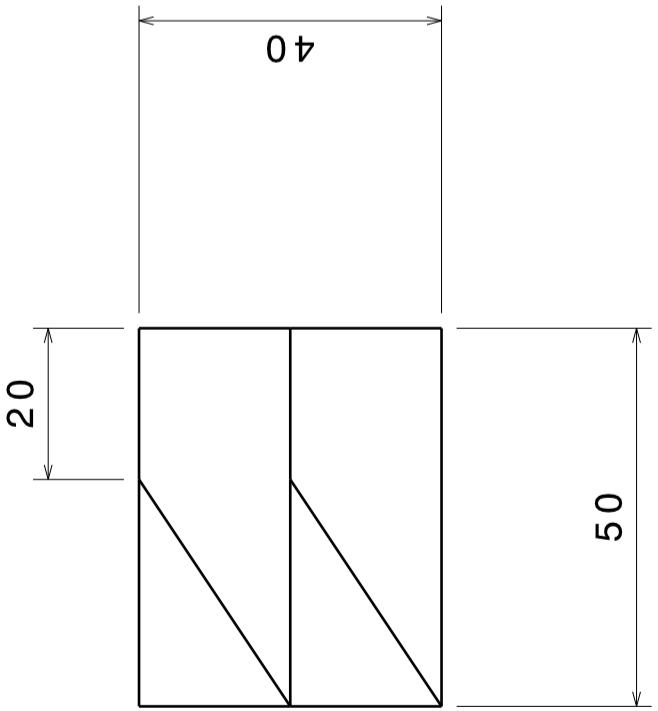
Isometric view
Scale: 1:1



DESIGNED BY: Ludovica Ruggiero	Prototipazione Virtuale
DATE: 10/12/2023	
CHECKED BY: XXX	
DATE: XXX	
SIZE A3	Università di Napoli Federico II
SCALE 1 : 1	DRAWING NUMBER PV2324 ES0505
WEIGHT (kg)	0,06

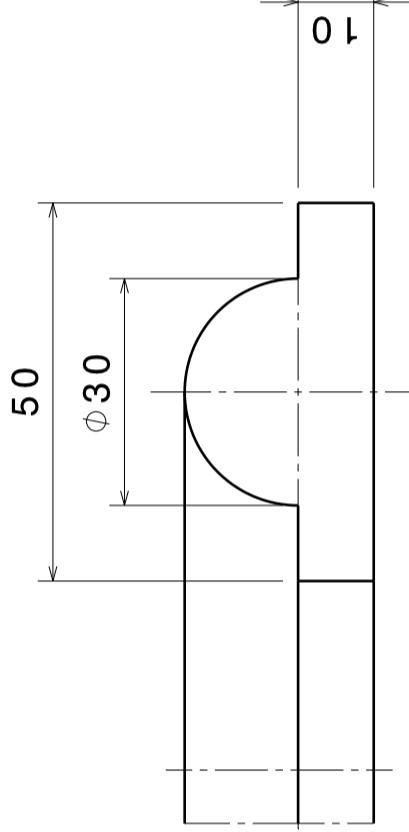
I	-
H	-
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E	-
C	-
B	-
A	-

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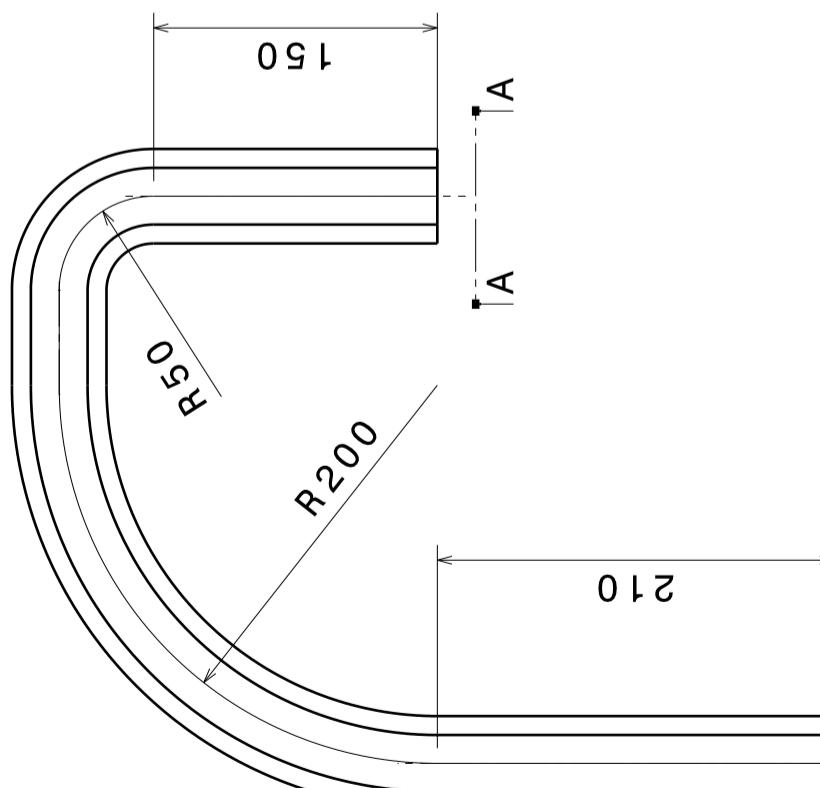
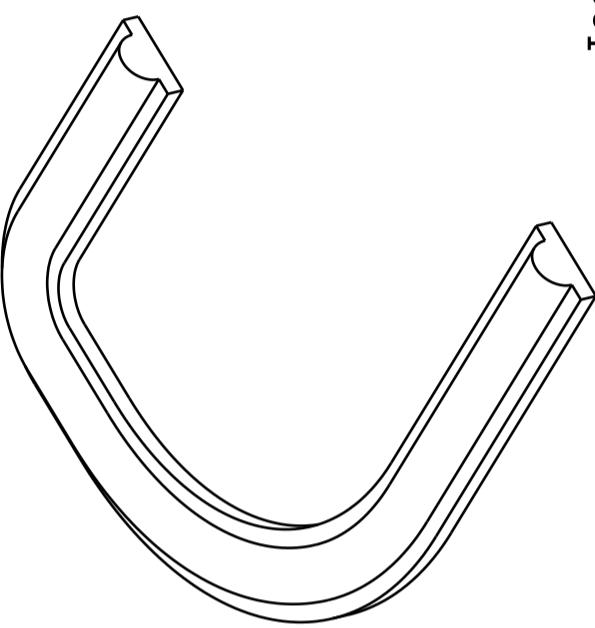


Isometric view
Scale: 1:1

I	-	
H	-	
G	-	
F	-	
E	-	
D	-	
C	-	
B	-	
A	-	
Prototipazione Virtuale		
Prototipazione Virtuale		
DESIGNED BY: Ludovica Ruggiero	DATE: 10/12/2023	
CHECKED BY: XXX	DATE: XXX	
SIZE A3	WEIGHT (kg) XXX	UNIVERSITÀ DI NAPOLI FEDERICO II
SCALE 1 : 1	DRAWING NUMBER	PV2324 ES0506
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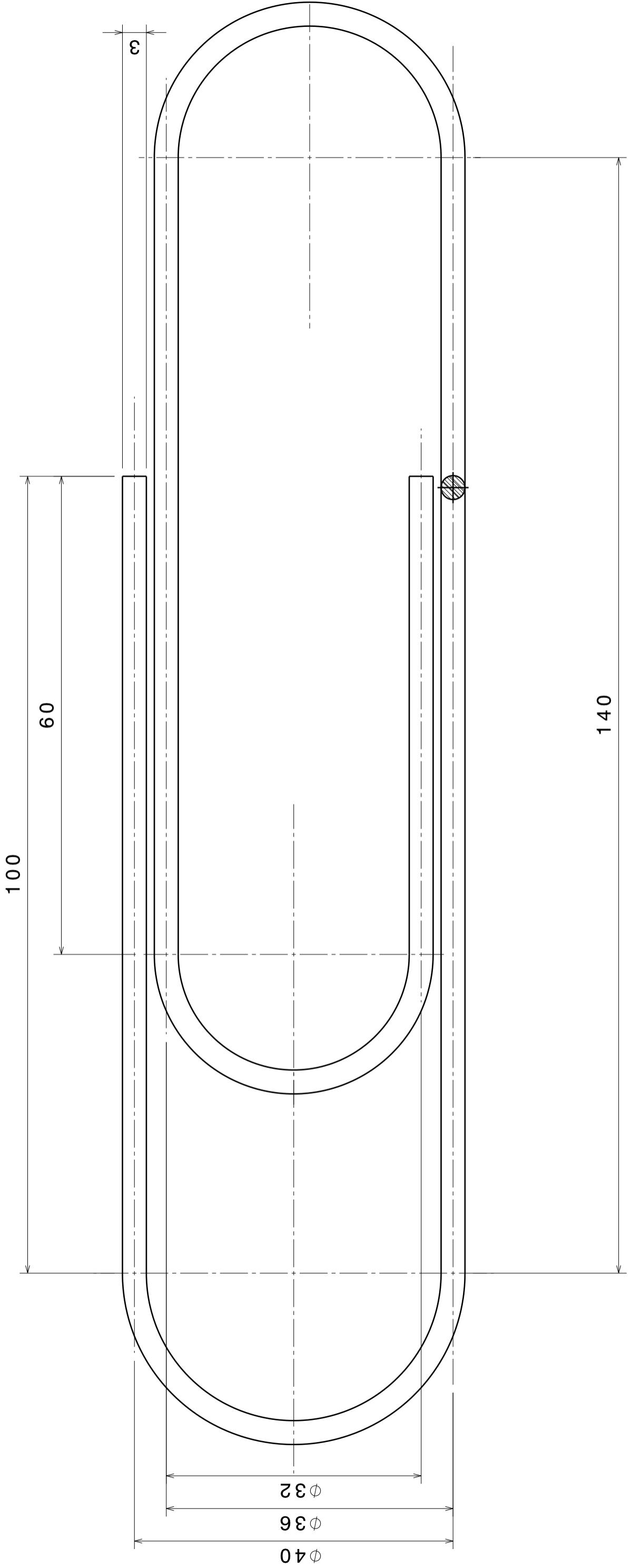
Section view A-A
Scale: 1:1



DESIGNED BY: Ludovica Ruggiero	Prototipazione Virtuale
DATE: 22/12/2023	H -
CHECKED BY: XXX	G -
DATE: XXX	F -
SIZE A3	Università di Napoli Federico II
SCALE 1:2	D -
WEIGHT (kg)	SHEET
1,86	1 / 1

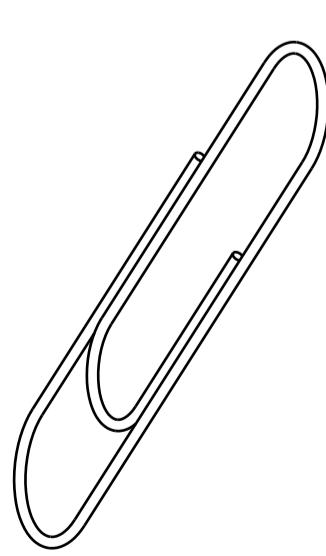
PV2324ES0601

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DESIGNED BY: Ludovica Ruggiero	Prototipazione Virtuale
DATE: 22/12/2023	
CHECKED BY: XXX	
DATE: XXX	
SIZE A3	DRAWING NUMBER PV2324 ES0602
SCALE 2:1	WEIGHT (kg) 0,01

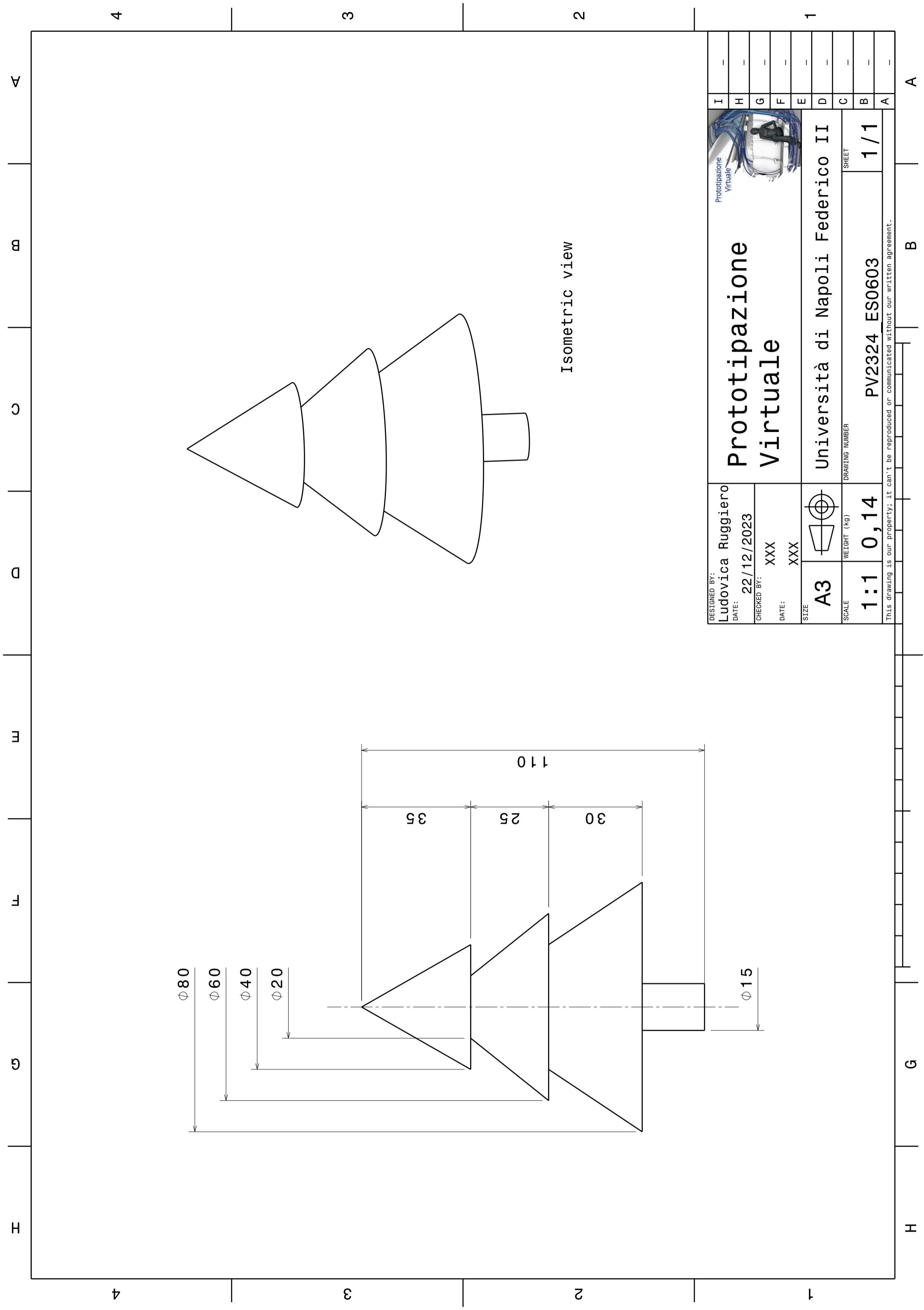
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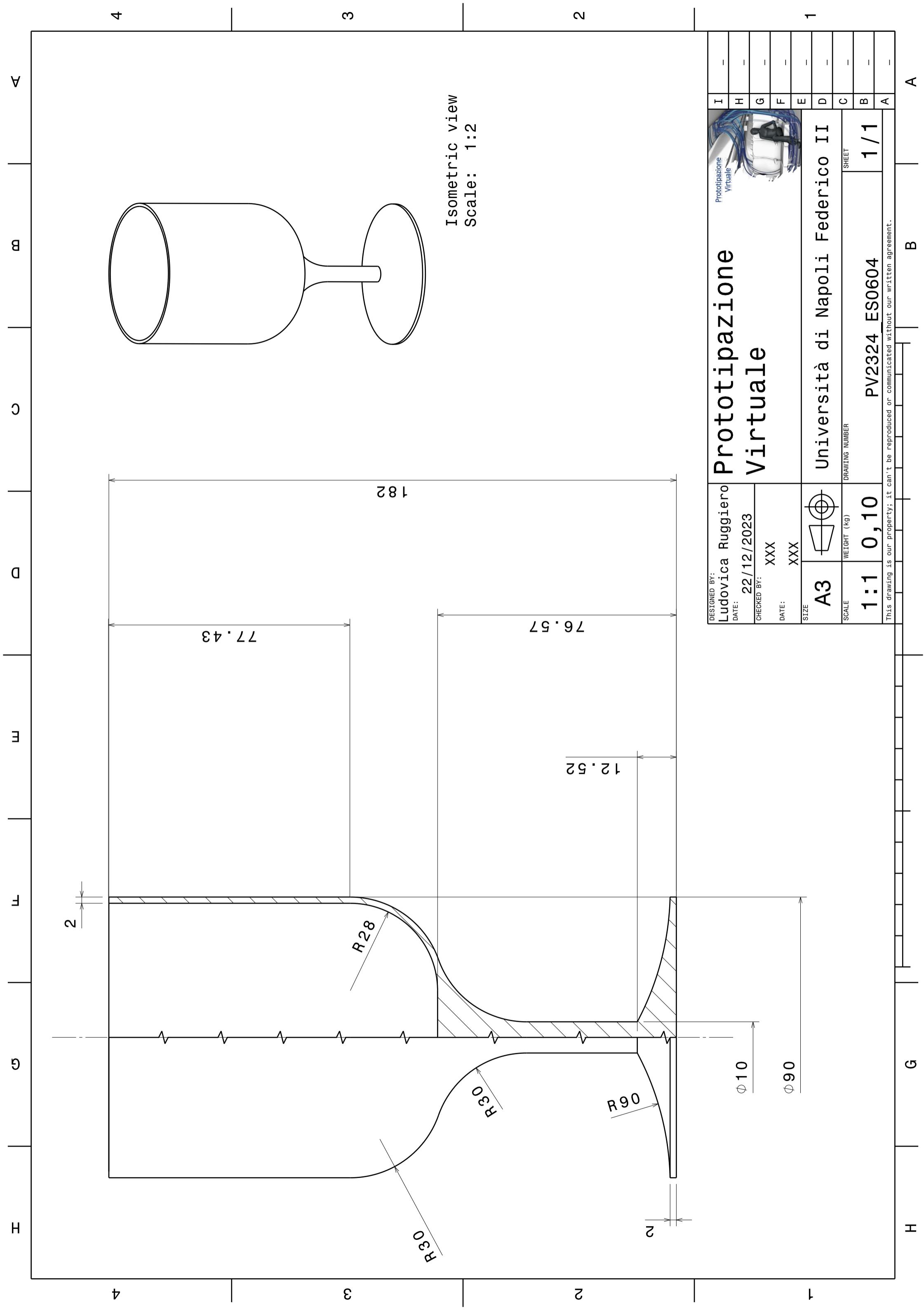


Isometric view
Scale: 1:2

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1	A
2	B
3	C
4	D
5	E
6	F
7	G
8	H
9	I
10	J
11	K
12	L
13	M
14	N
15	O
16	P
17	Q
18	R
19	S
20	T





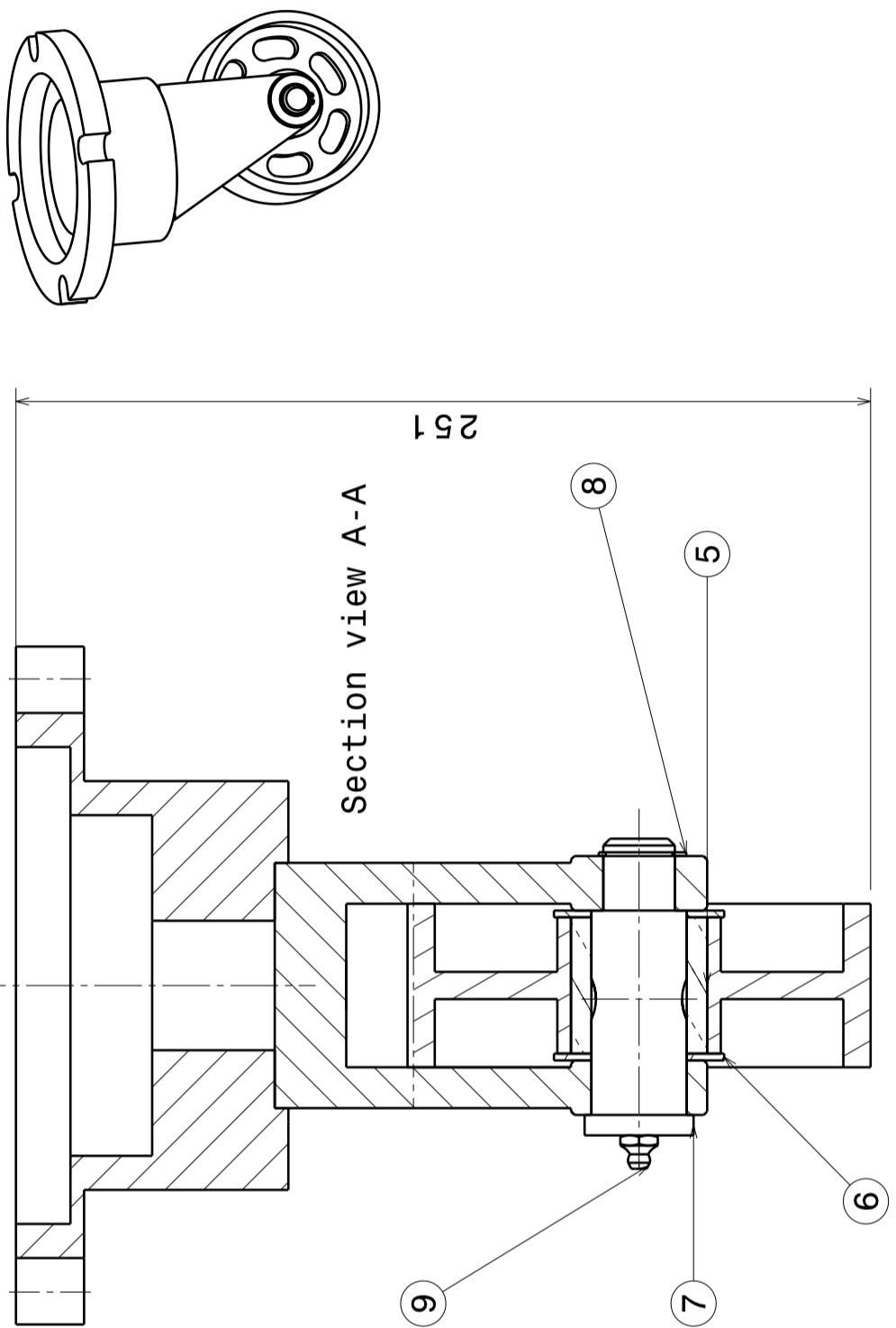
4

3

2

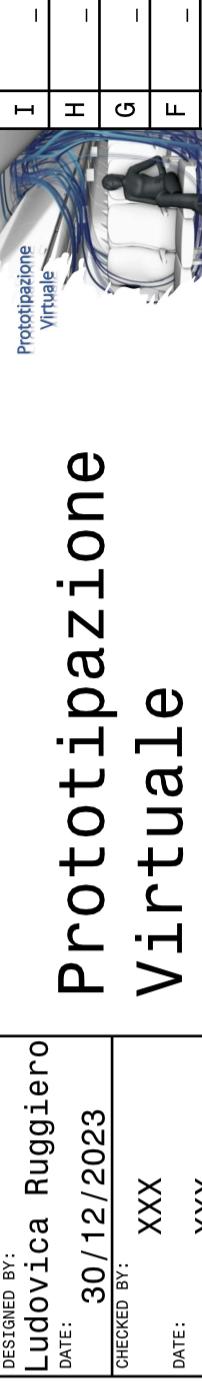
1

Isometric view
Scale: 1:5



Bill of Material: PV2324ES07000

Number	Quantity	Part Number	Nomenclature	Materiale	Source
1	1	PV2324_ES0701_SUPPORTO	Supporto	Acciaio	Made
2	2	uni_5931_m10x25-8_8_0	Vite UNI 5931 - M10x25 - 8.8	Acciaio	Made
3	1	PV2324_ES0703-BASE	Base	Acciaio	Made
4	1	PV2324_ES0704-PULEGGIA	Puleggia	Acciaio	Made
5	1	PV2324_ES0705-BRONZINA	Bronzina	Bronzo	Made
6	2	PV2324_ES0706-RONDELLA	Rondella	Acciaio	Made
7	1	PV2324_ES0707-ALBERO	Albero	Made	Made
8	1	ANSI B27.7M RING 3AM1_21	Anello Seeger		Bought
9	1	STEEL EXTERNAL BASIC DUTY RETAINING			Bought
		din_71_418_-am_10_x_1	Ingrassatore		Bought



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Prototipazione
Virtuale

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PV2324ES07000

1 / 1

1

A

B

C

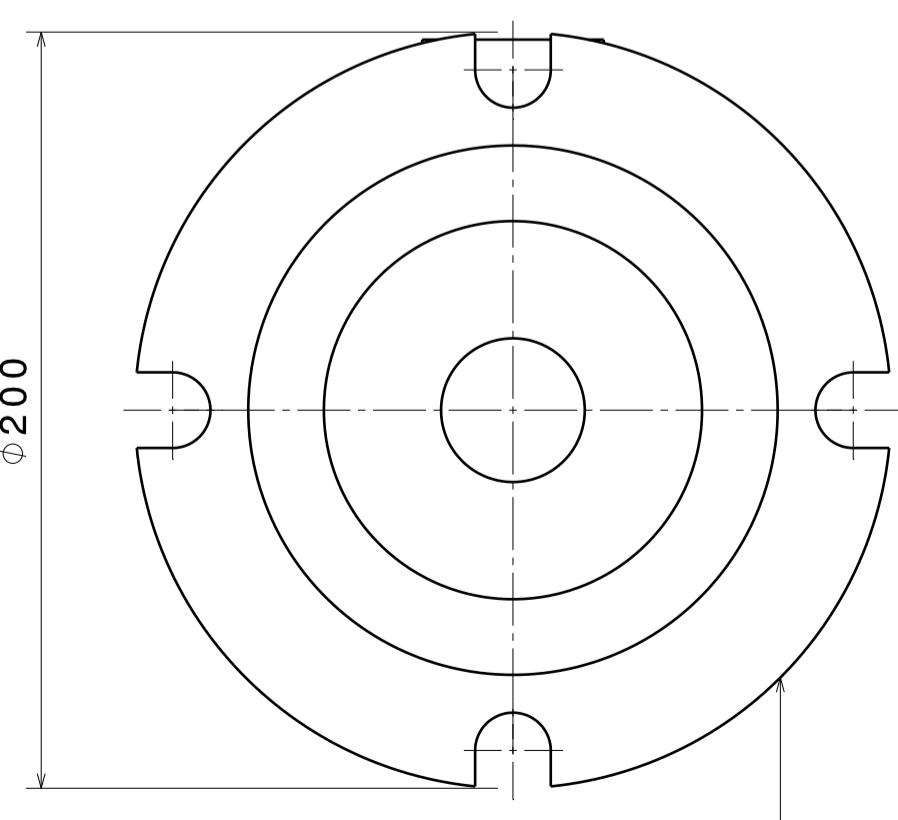
D

E

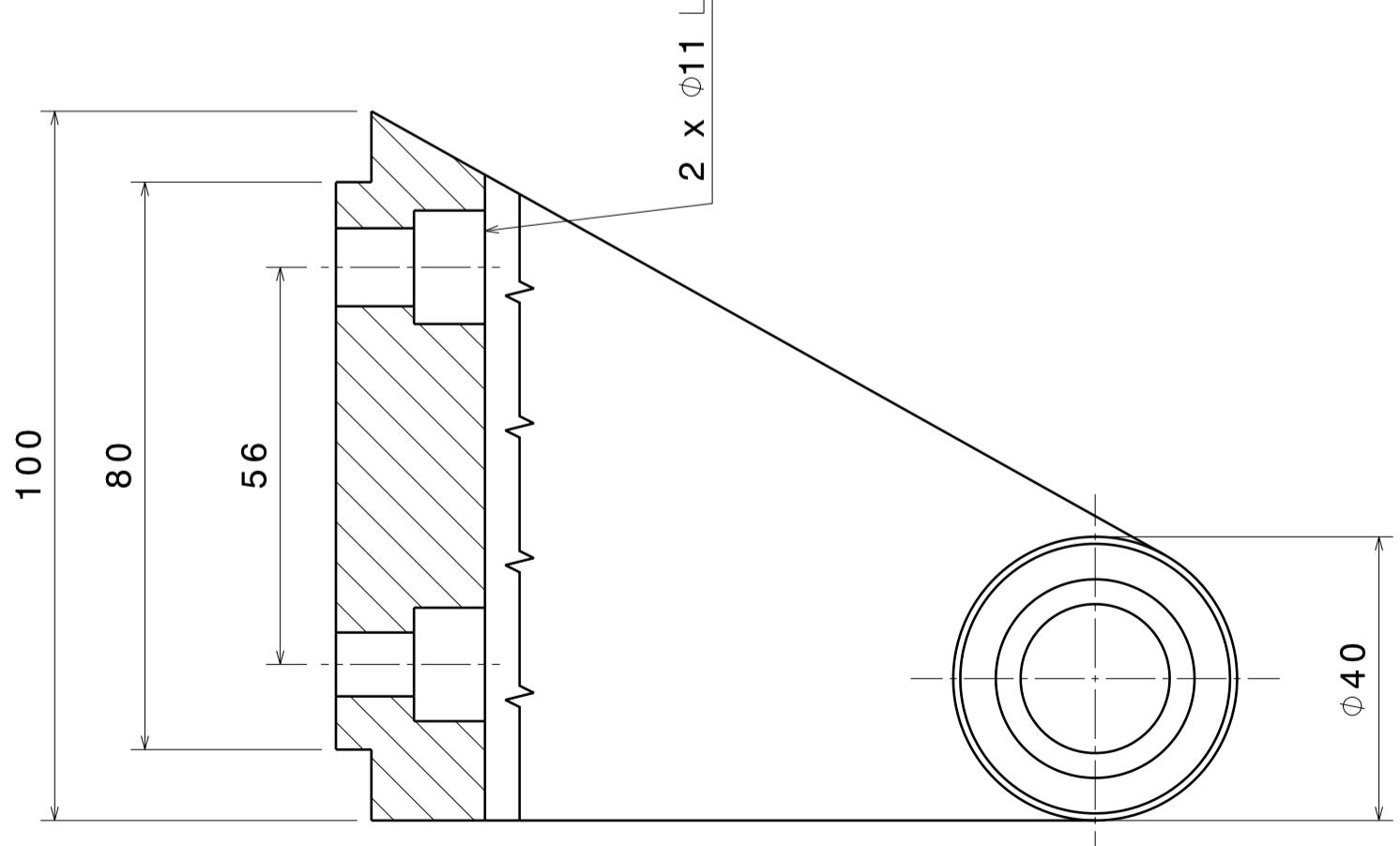
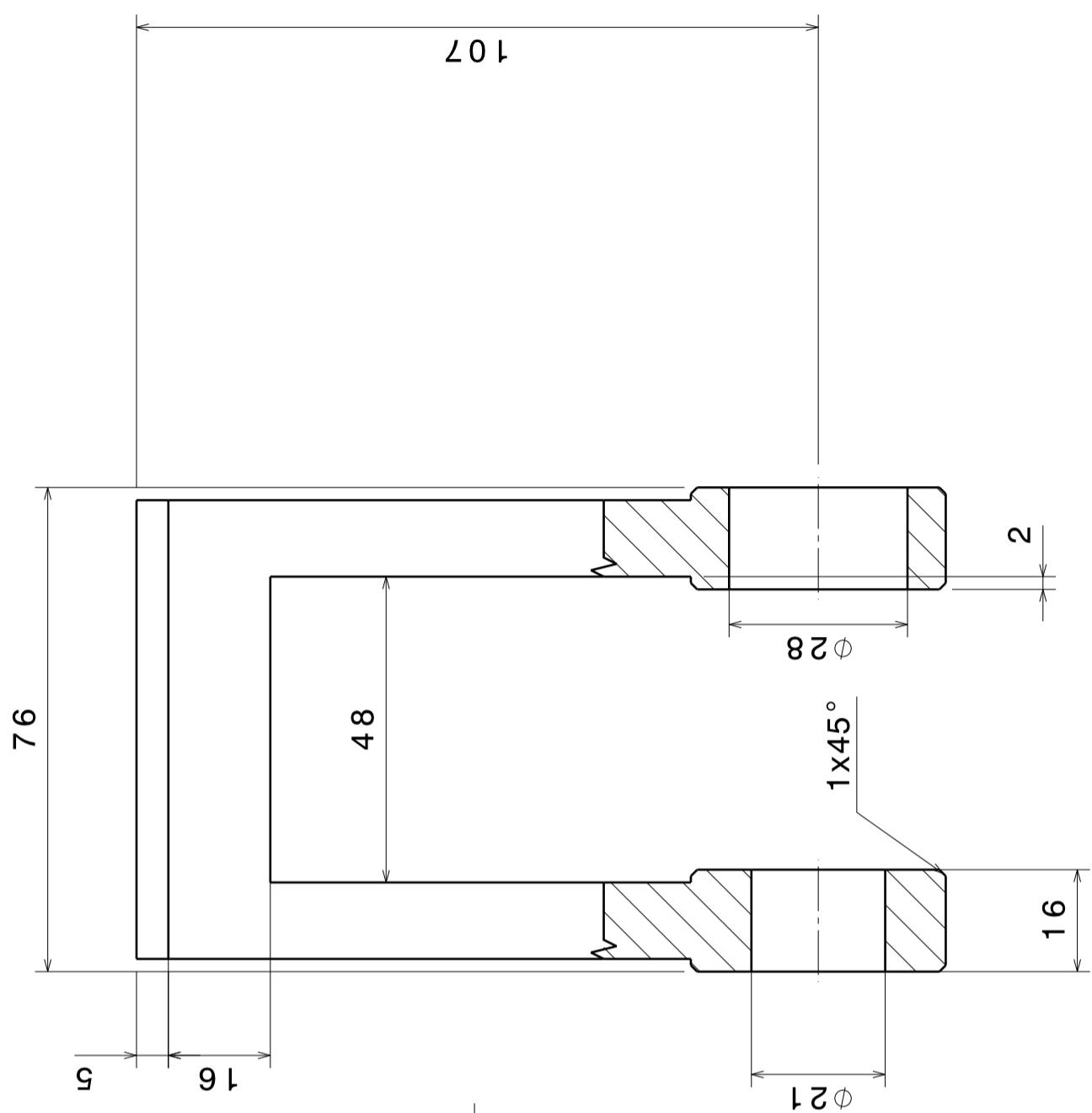
F

G

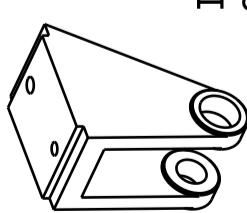
H



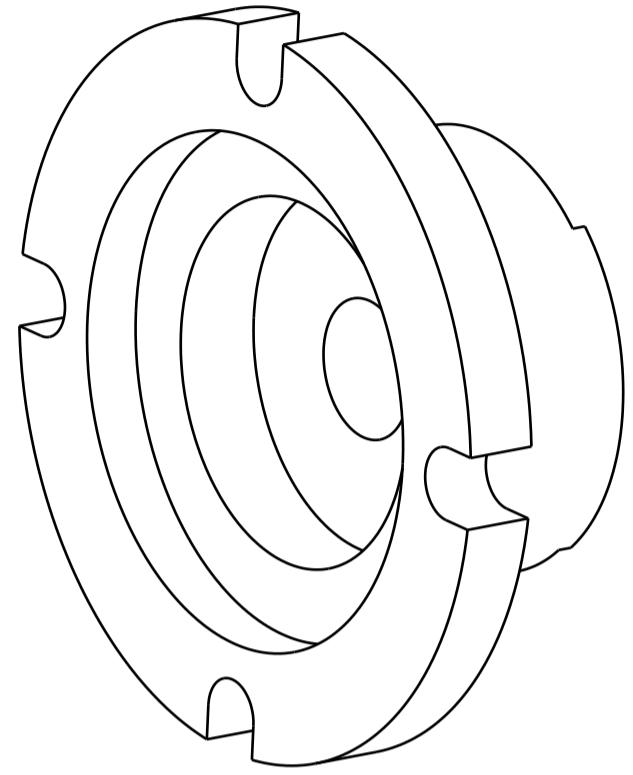
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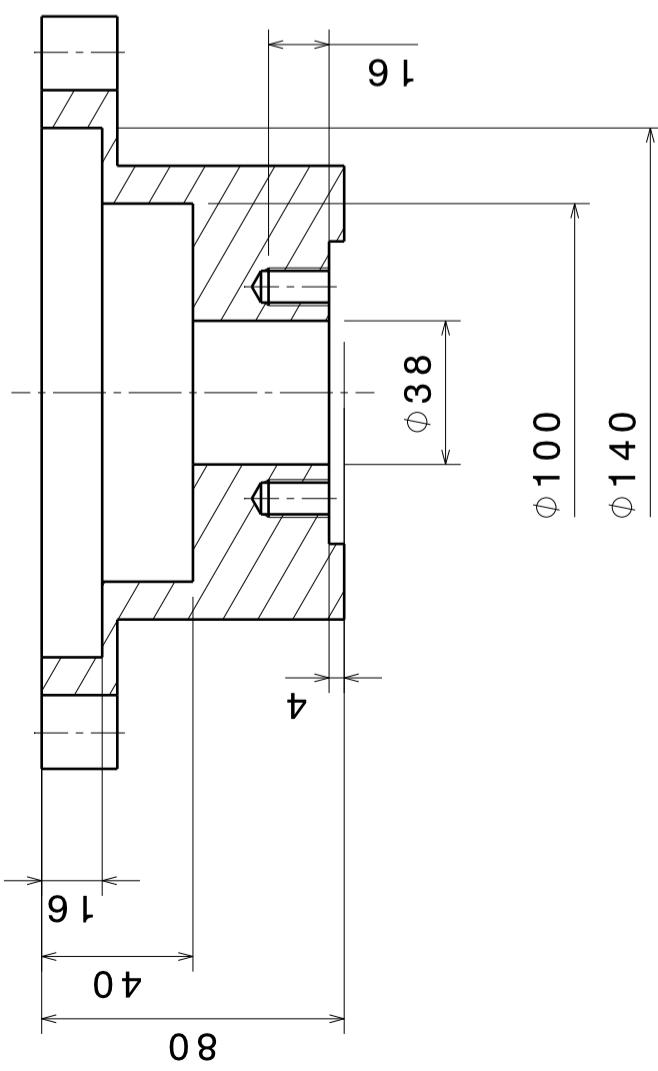
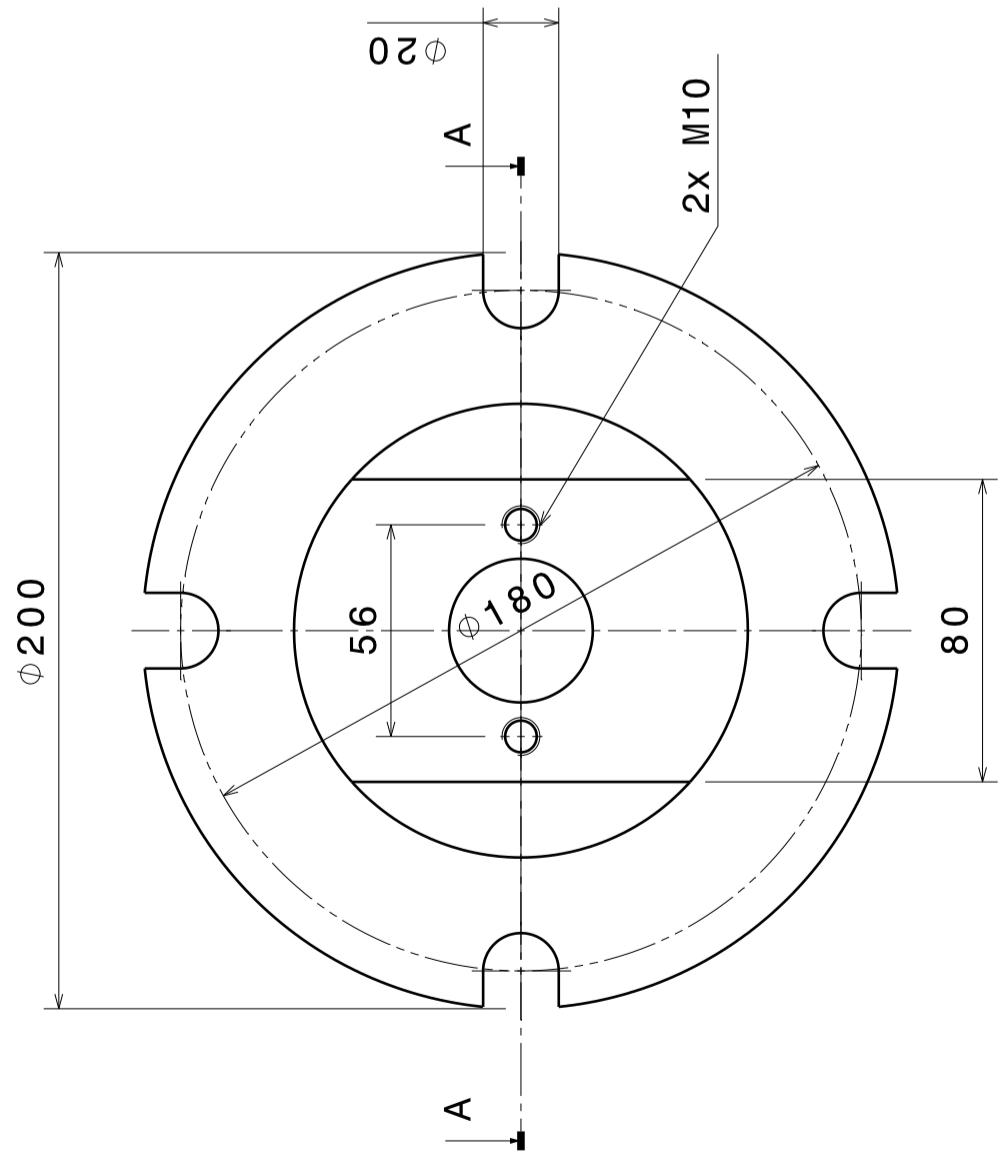
Isometric view
Scale: 1:5



DESIGNED BY: Ludovica Ruggiero	Prototipazione Virtuale		
DATE: 23/12/2023	CHECKED BY: XXX	Università di Napoli Federico II	
DATE: XXX		DRAWING NUMBER PV2324 ES0701 SUPPORTO	SHEET 1 / 1
SCALE A3		WEIGHT (kg) 2,21	A - B - C - D - E - F - G - H - I - J - K - L - M - N - O - P - Q - R - S - T - U - V - W - X - Y - Z -
 <p>Prototipazione Virtuale</p>			



Isometric view



I	-	Prototipazione Virtuale
H	-	
G	-	
F	-	
E	-	
D	-	Università di Napoli Federico II
C	-	
B	-	
A	-	

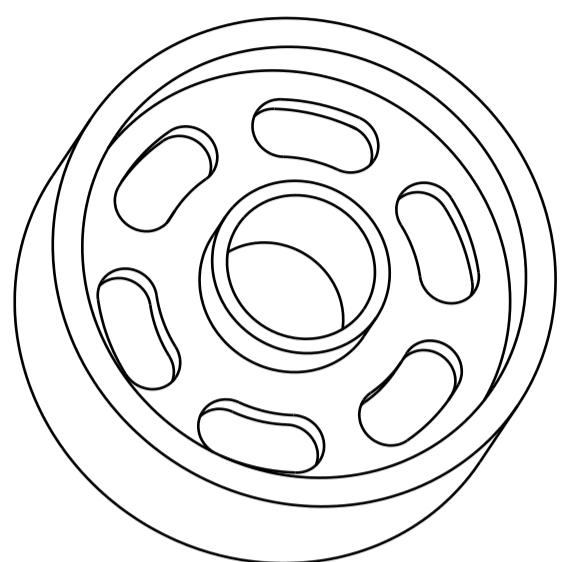
DESIGNED BY: Ludovica Ruggiero	DATE: 23/12/2023	Prototipazione Virtuale
CHECKED BY: XXX	DATE: XXX	
SIZE A3	WEIGHT (kg) 6,11	DRAWING NUMBER PV2324 ES0703-BASE
SCALE 1:2		1 / 1
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4

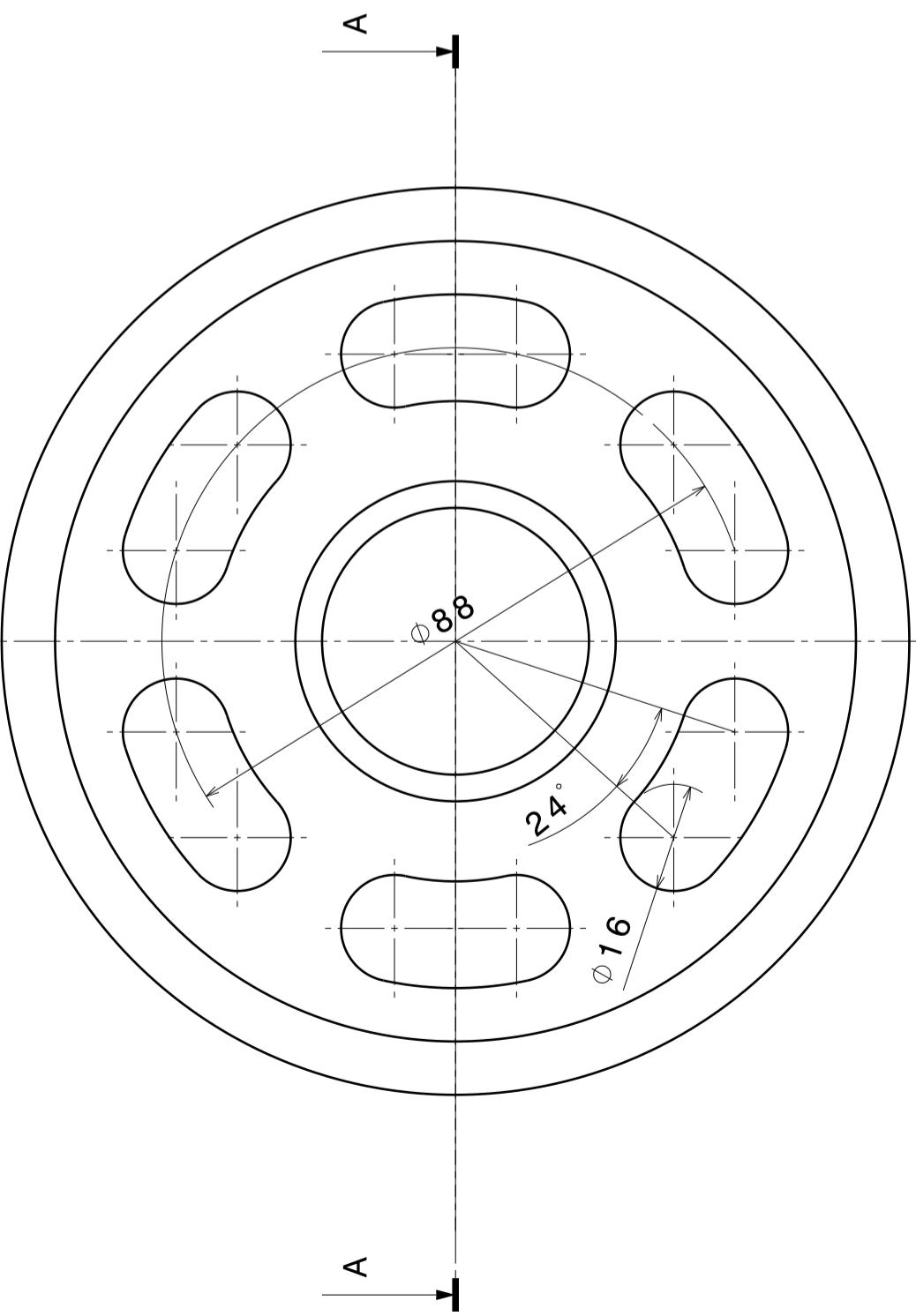
3

2

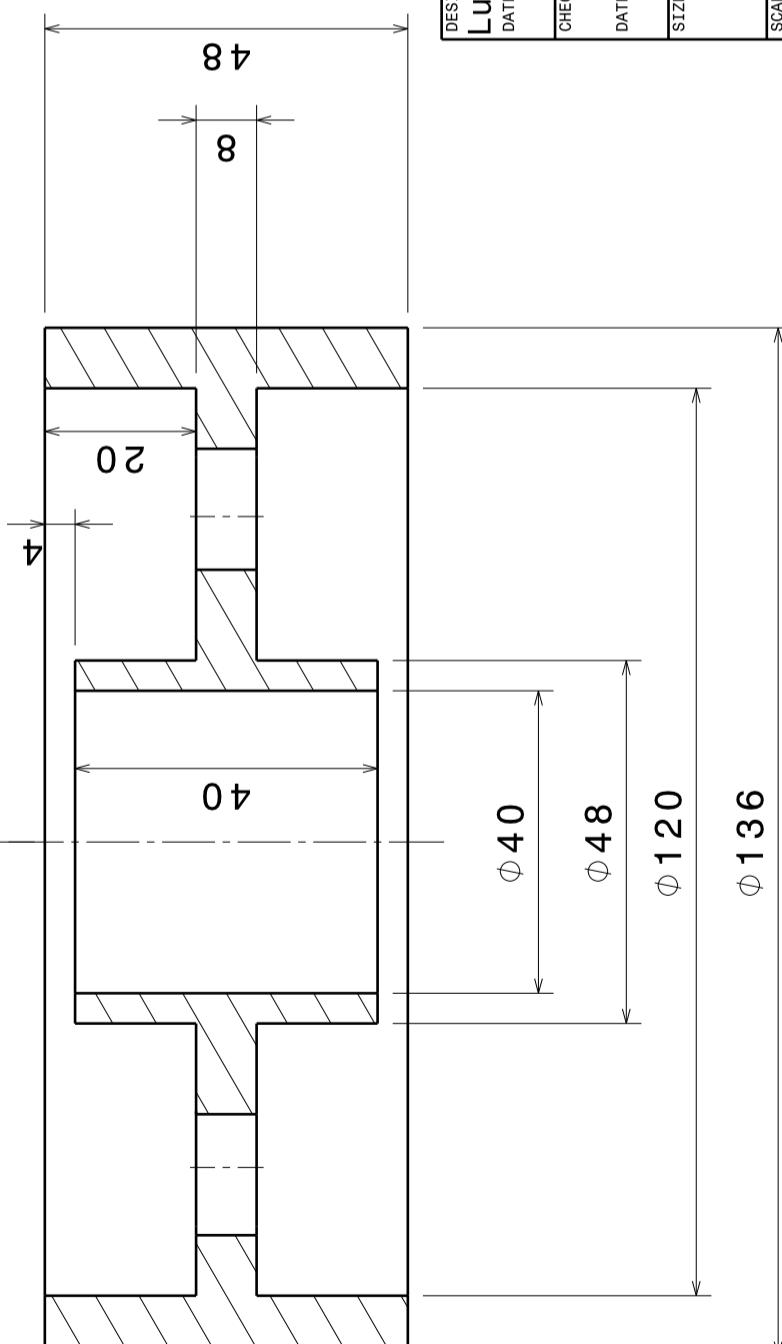
1



Isometric view
Scale: 1:2



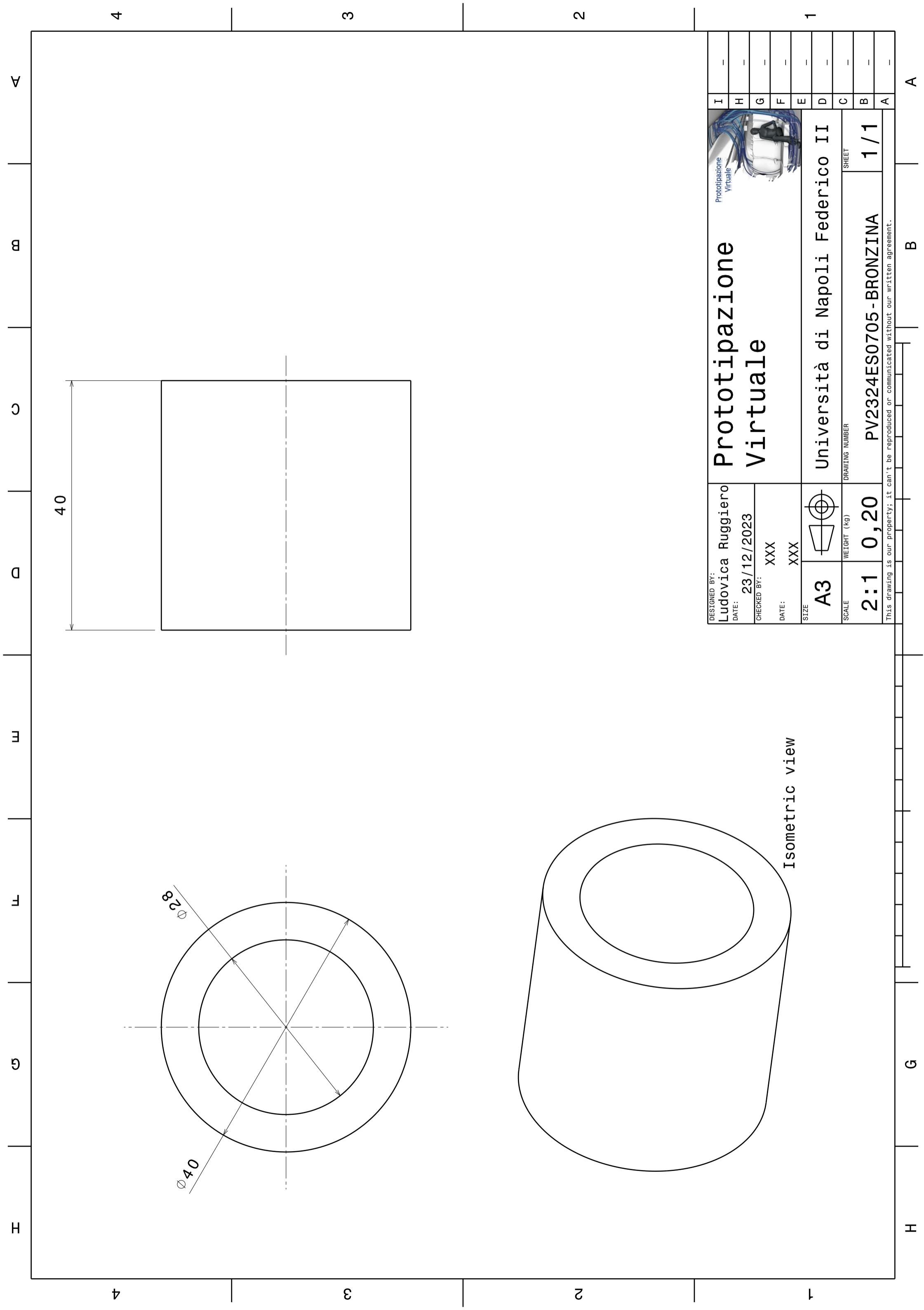
Section view A-A



I	-	Prototipazione Virtuale
H	-	
G	-	
F	-	
E	-	
D	-	Università di Napoli Federico II
C	-	
B	-	
A	-	

PV2324 ES0704-PULEGIA
1 / 1

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4

3

2

7

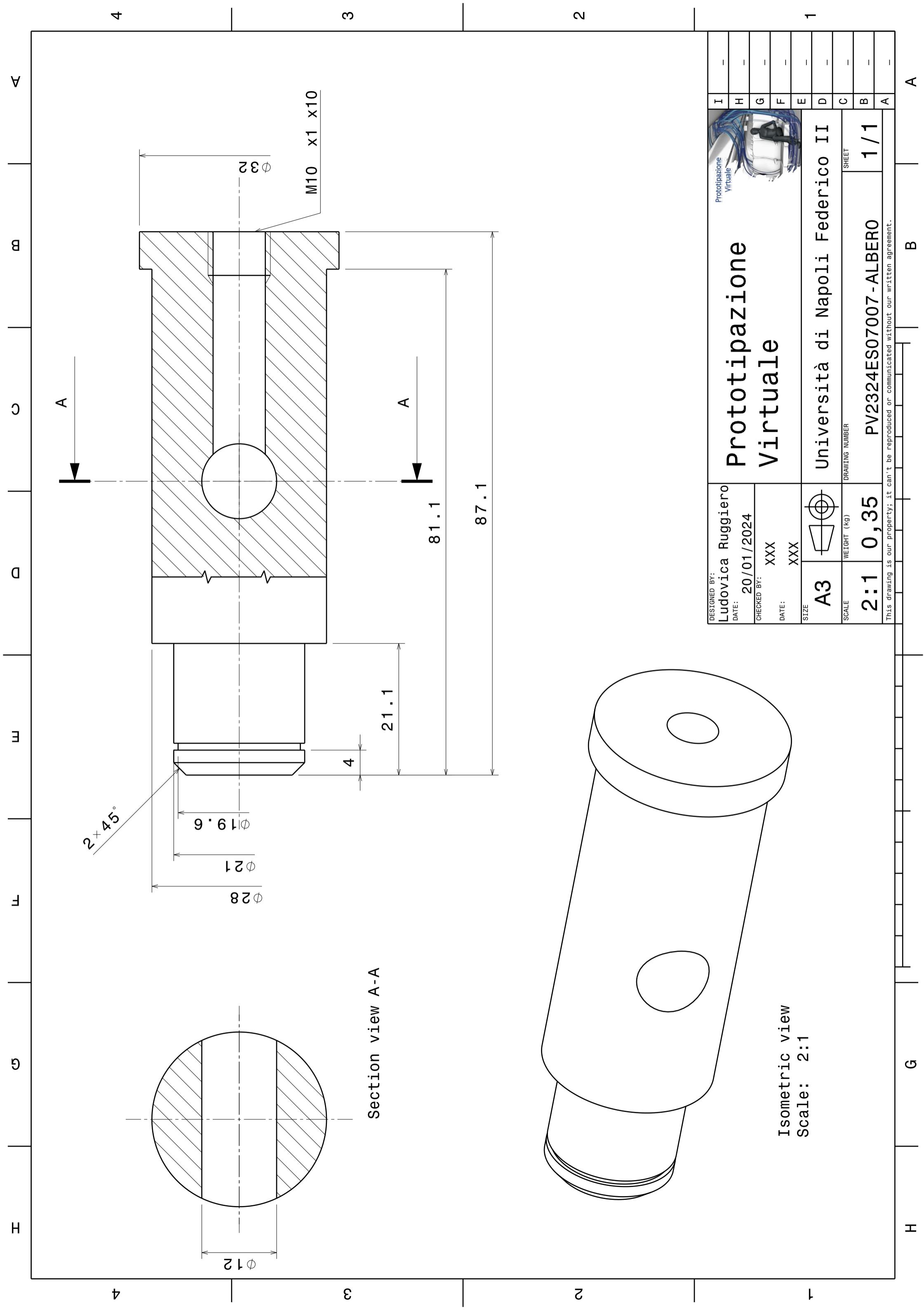
The diagram consists of three nested, slightly irregular closed curves forming an elliptical shape. The innermost curve is the smallest, the middle curve is larger, and the outermost curve is the largest. All three curves are drawn with thin black lines.

A technical drawing of a circle centered at the origin. A horizontal dashed line passes through the center, and a vertical dashed line is also present. Two concentric arcs are drawn within the circle. The outer arc is labeled with a dimension of $\phi 50$. The inner arc is labeled with a dimension of $\phi 20$. The label $\phi 20$ is oriented vertically.

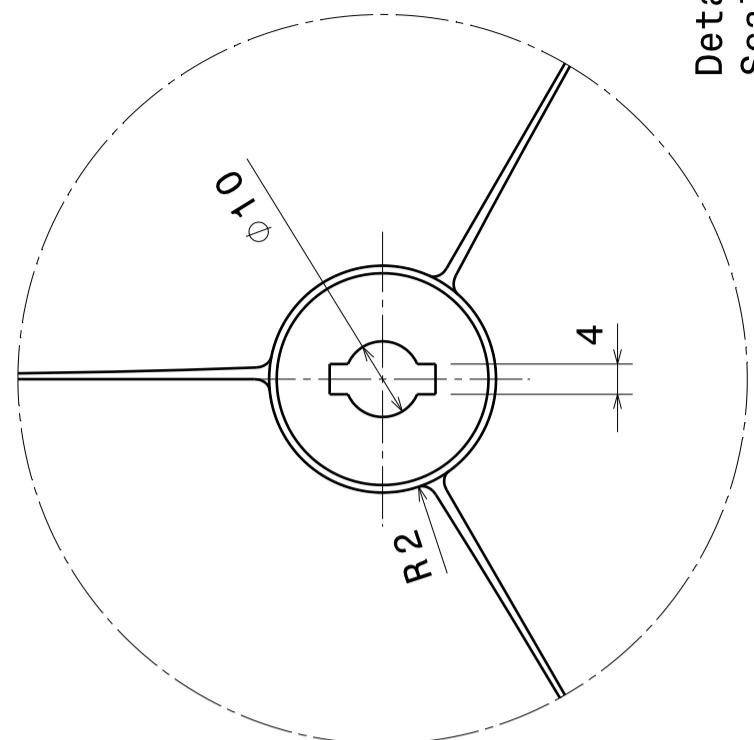
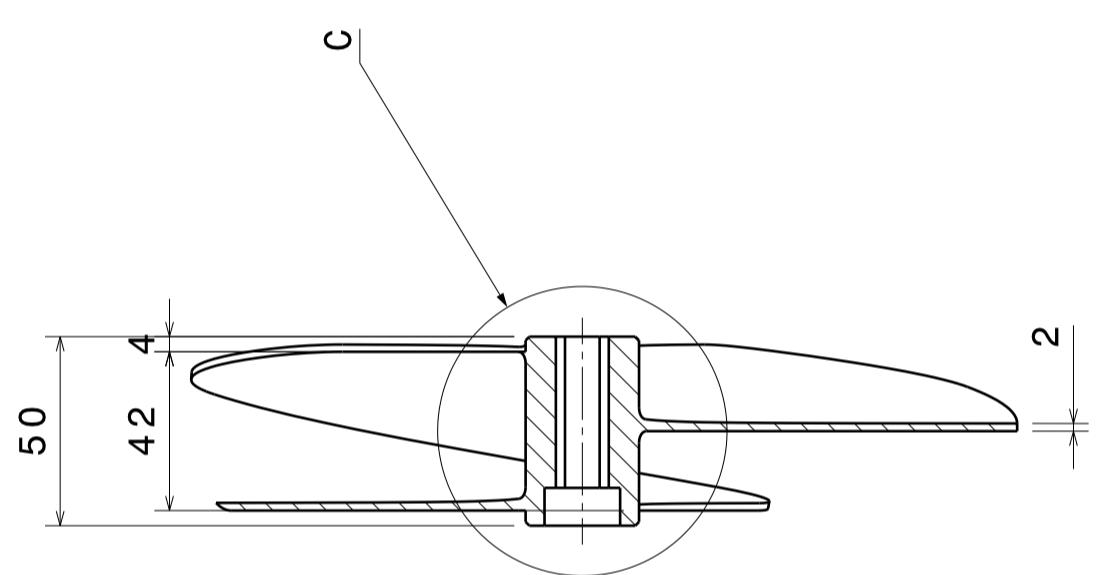
Spessore 2mm

DESIGNED BY: Ludovica Ruggiero		Prototipazione Virtuale	
DATE:	<u>23/12/2023</u>	CHECKED BY:	XXX
DATE:	XXX	SIZE	A3
SCALE	2:1	WEIGHT (kg)	0,02
		DRAWING NUMBER	PV2324 ES0706-RONDELLA
		SHEET	1 / 1
Prototipazione Virtuale			
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B
B



Section view A-A

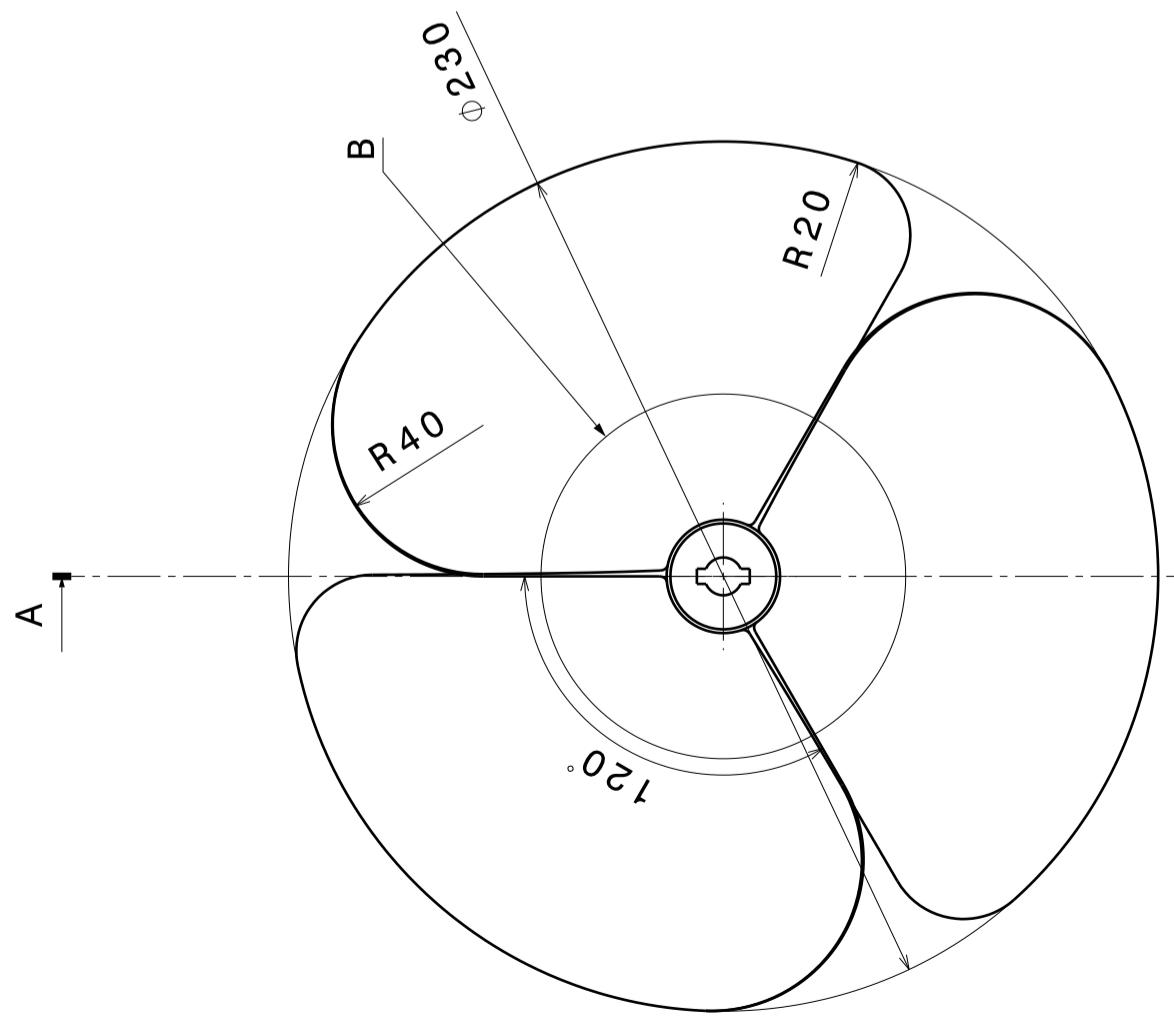


Detail B
Scale: 1:1

Isometric view
Scale: 1:5

DESIGNED BY: Ludovica Ruggiero	Prototipazione Virtuale
DATE: 09/02/2024	CHECKED BY: XXX
	DATE: XXX
SIZE A3	DRAWING NUMBER PV2324 ES09
SCALE 1:2	WEIGHT (kg) 0,11

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4

3

2

1

A

A

3

2

1

H

4

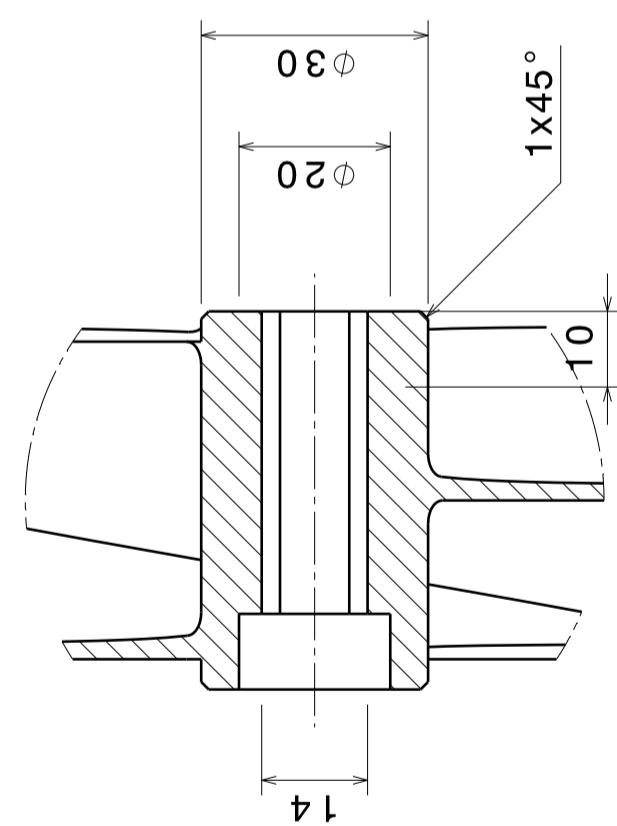
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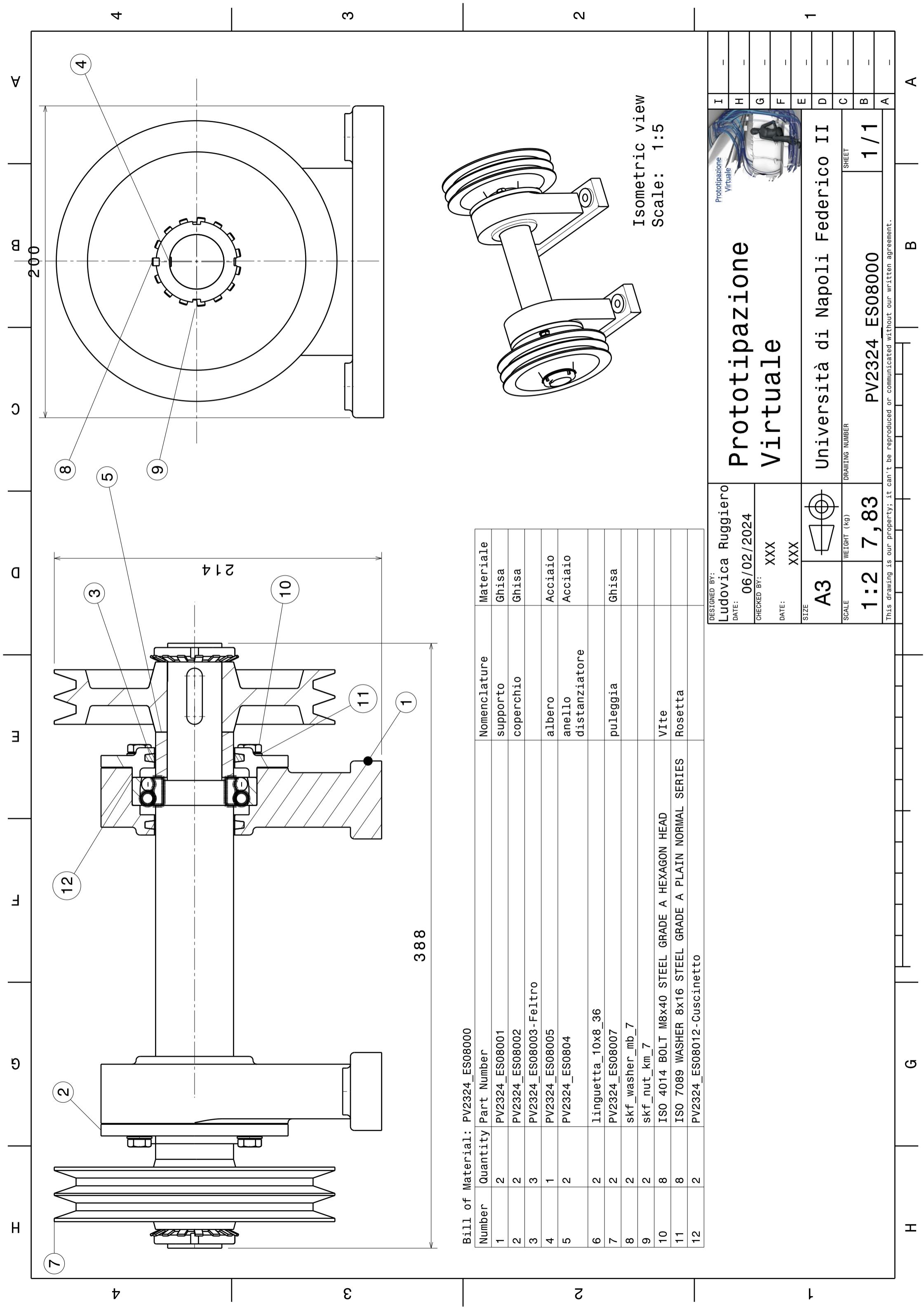
2

1

H

Detail C
Scale: 1:1



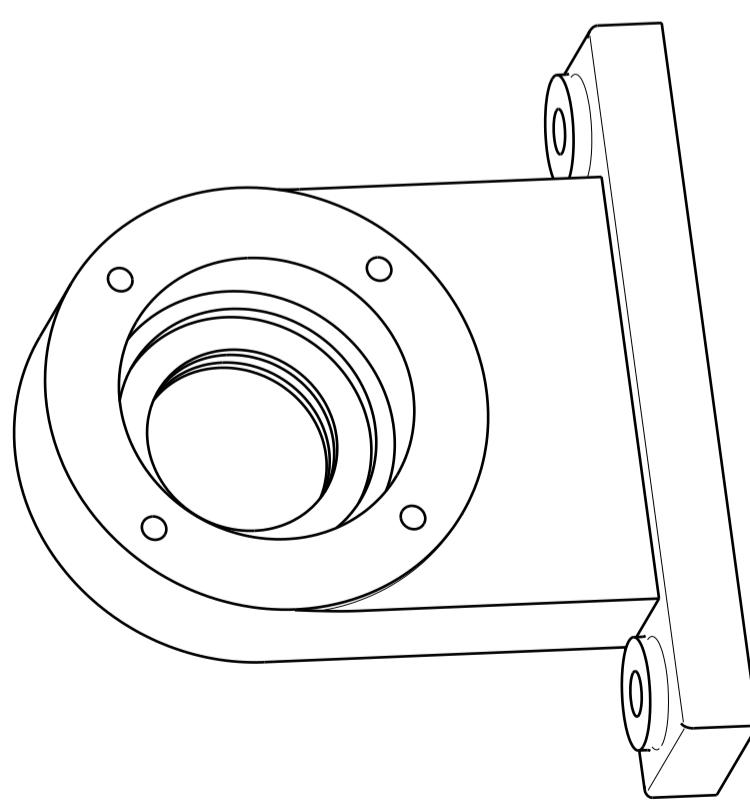
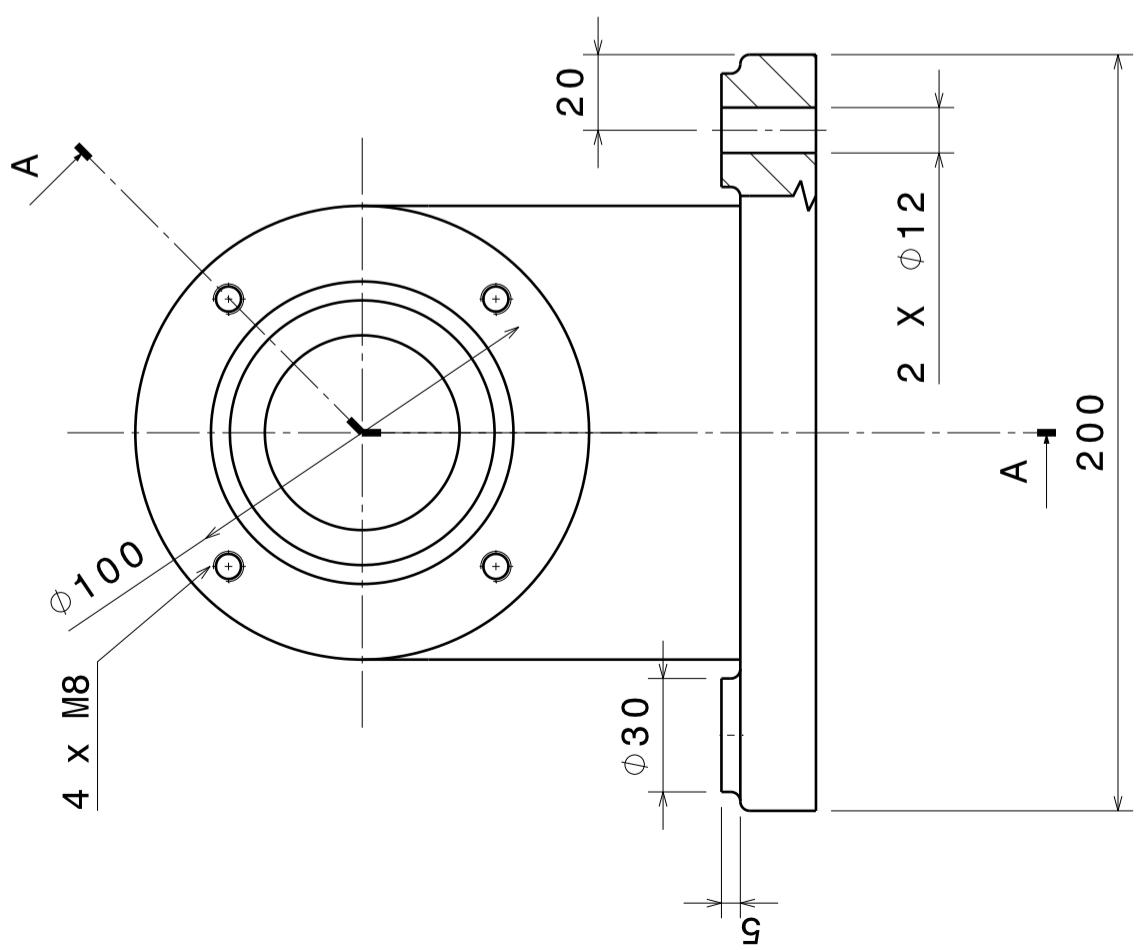
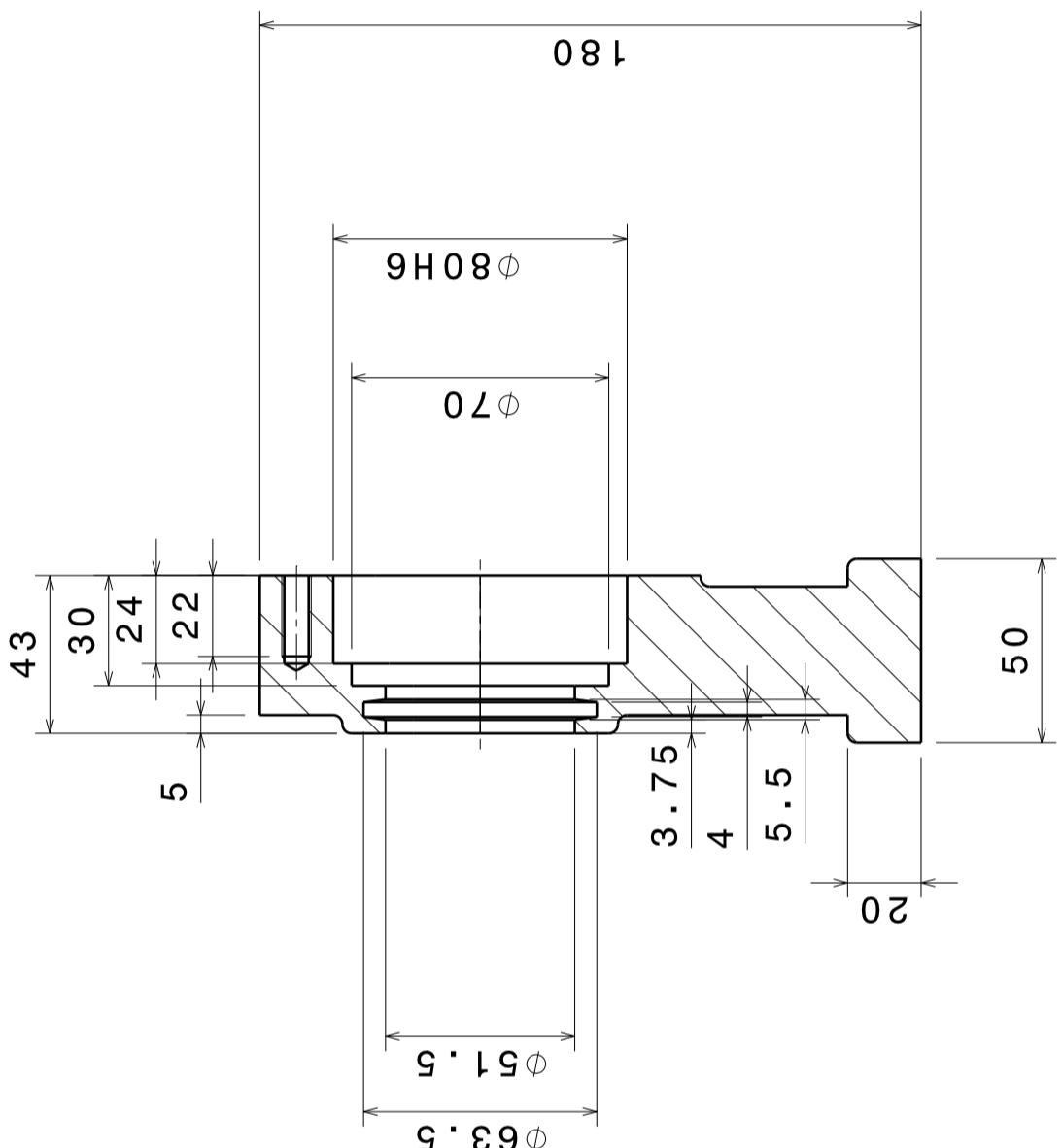


DESIGNED BY:	Ludovica Ruggiero	Prototipazione	I	-
DATE:	04/01/2024	Virtuale	H	-
CHECKED BY:	XXX		G	-
DATE:	XXX		F	-
SHEET			E	-
SIZE	A3	DRAWING NUMBER	C	-
SCALE	1:2	PV2324 ES08001	B	-
		1 / 1	A	-

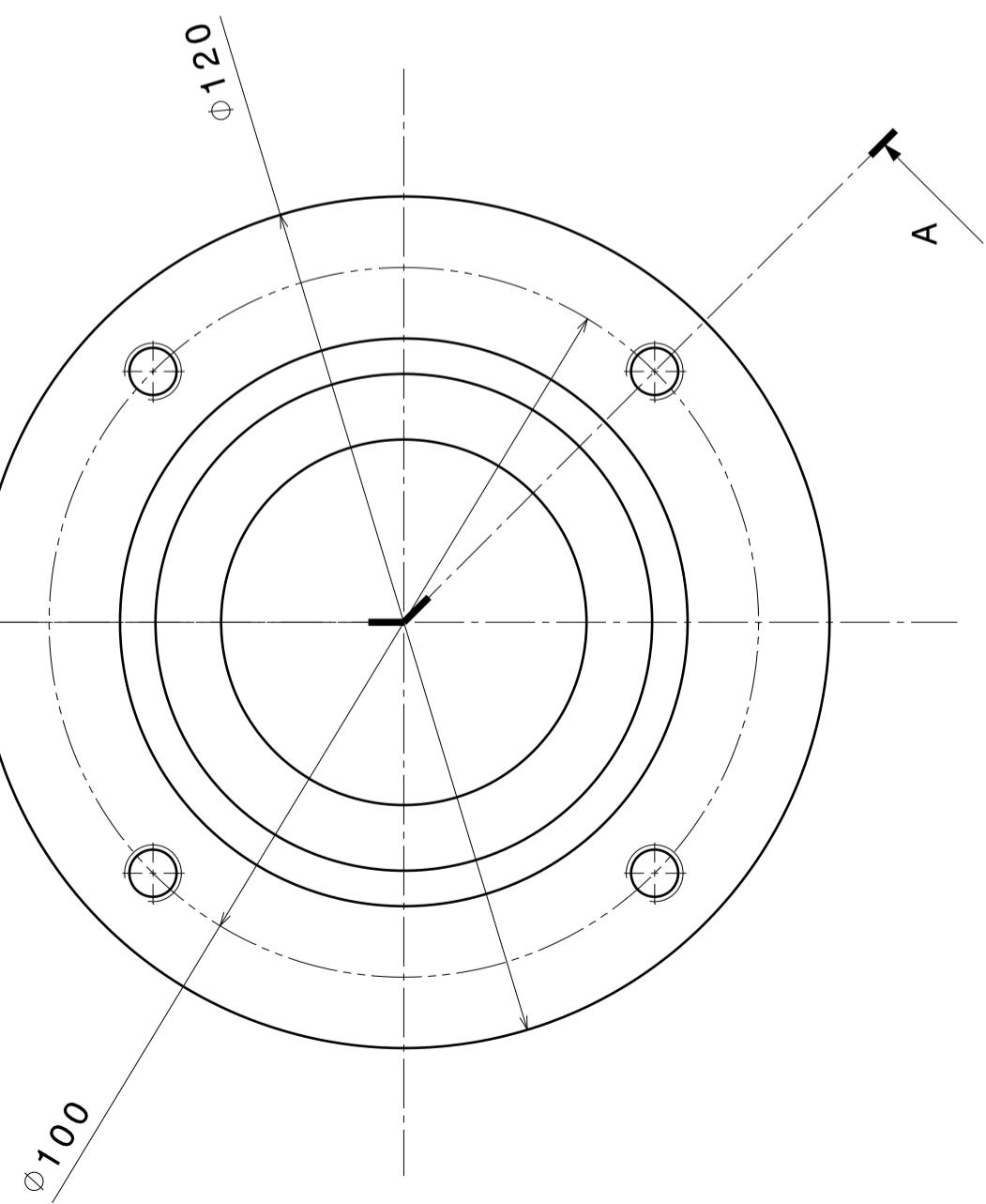
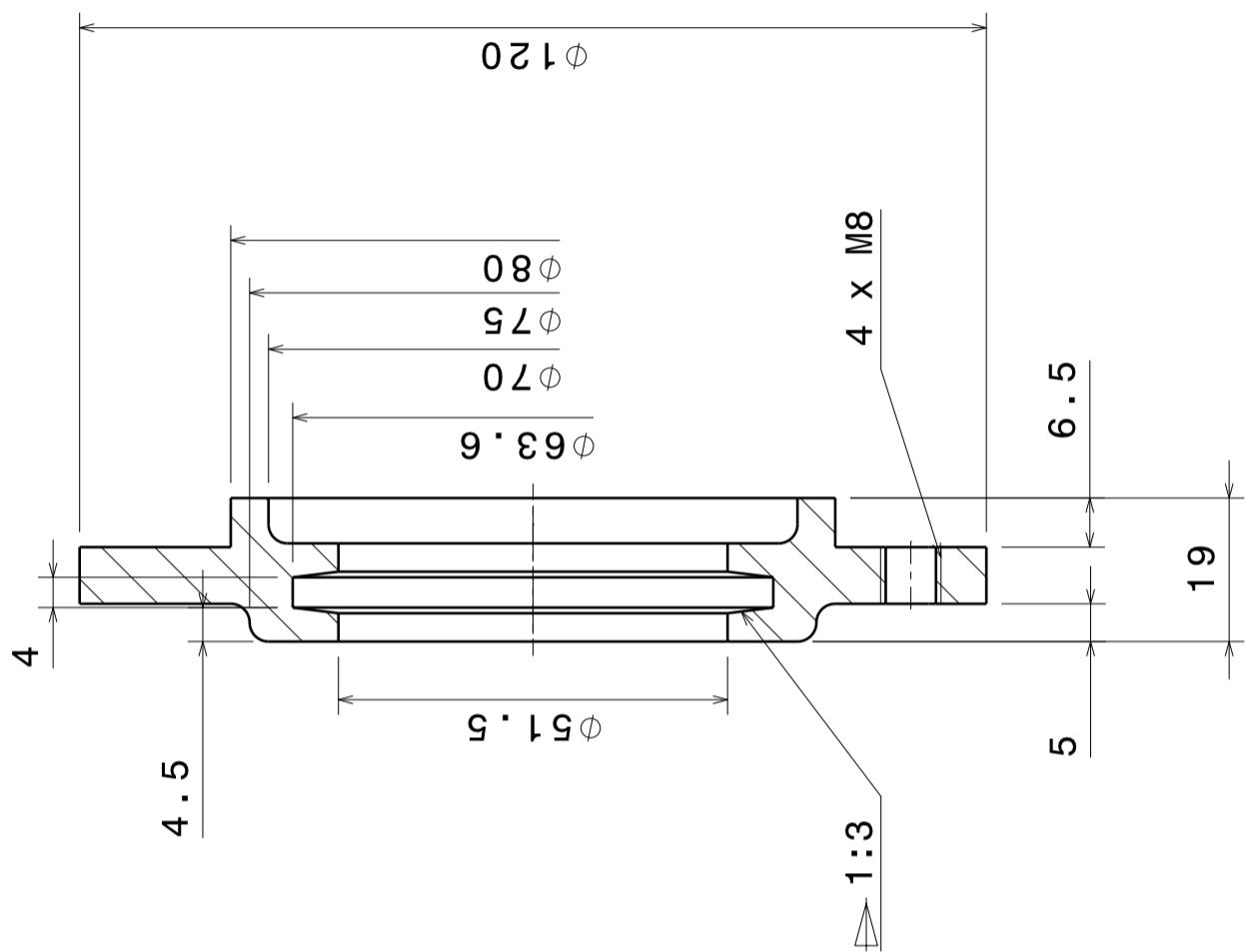
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Raccordi non quotati R2,5

Section view A-A



Section view A-A



Raccordi non quotati R2,5

DESIGNED BY: Ludovica Ruggiero	Prototipazione Virtuale
DATE: 04/01/2024	H -
CHECKED BY: XXX	G -
DATE: XXX	F -
SHEET C	E -
SIZE A3	D -
SCALE 1:1	B -
WEIGHT (kg) 0,08	A -
DRAWING NUMBER PV2324 ES08002	1 / 1

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4

3

2

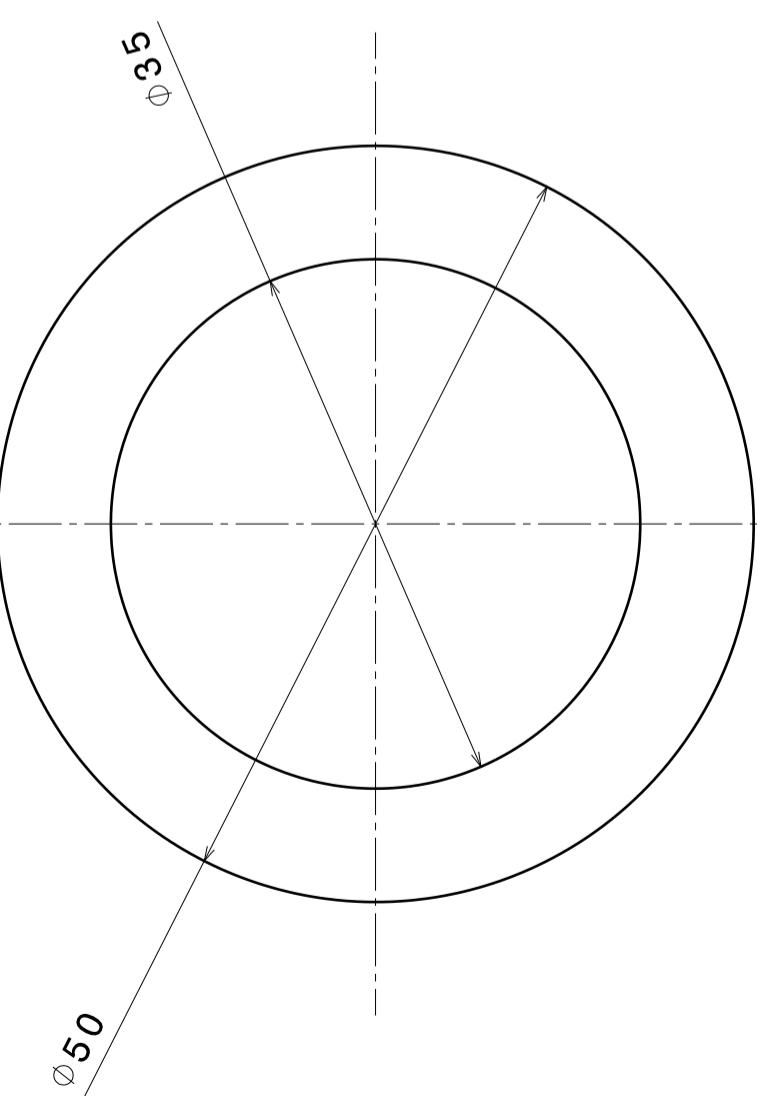
三

4

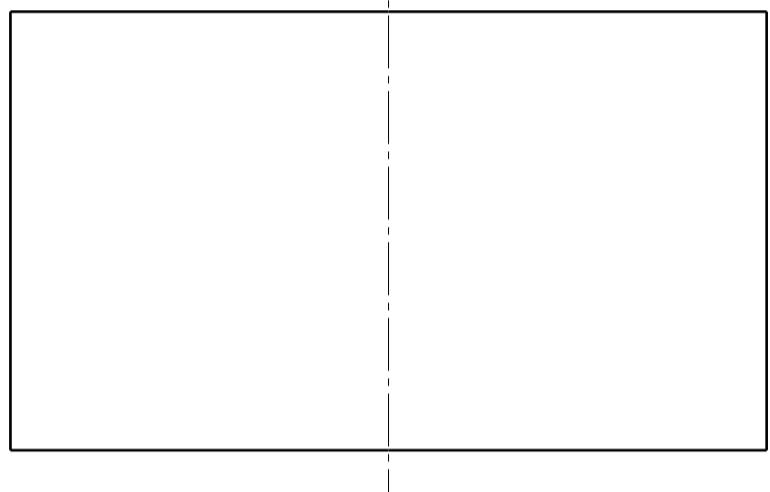
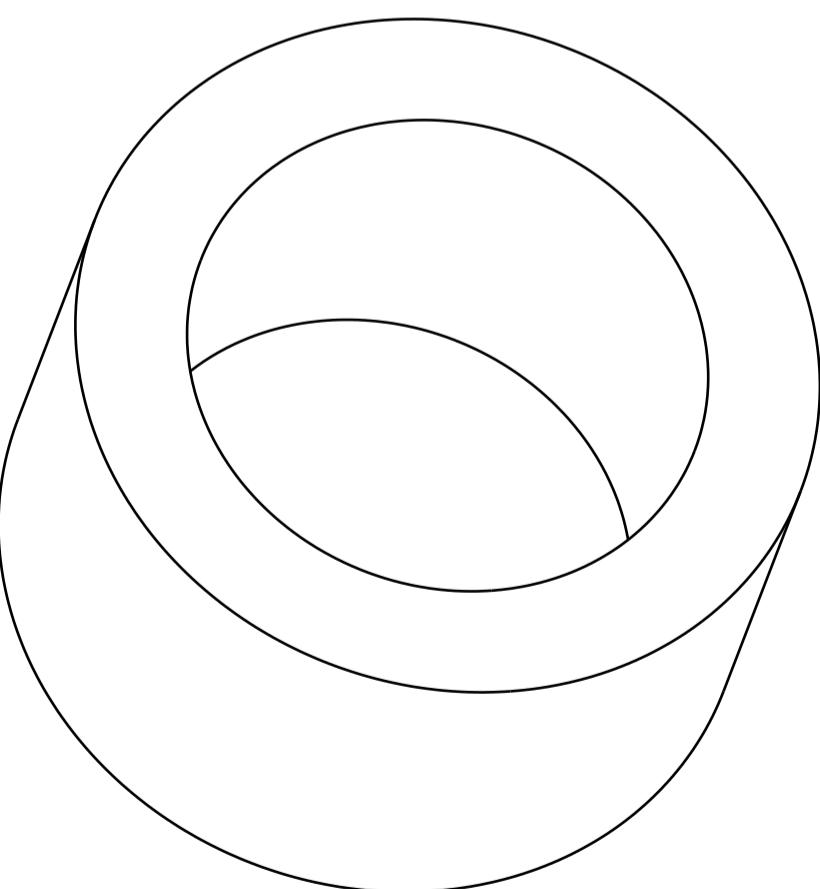
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2

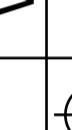
4



Isometric view



29

DESIGNED BY:	Ludovica Ruggiero	
DATE:	09/02/2024	
CHECKED BY:	XXX	
DATE:	XXX	
SIZE	A3	
SCALE	2:1	0,23
WEIGHT (kg)		
DRAWING NUMBER	PV2324 ES0804	
SHEET	1 / 1	
Prototipazione Virtuale		
		
Università di Napoli Federico II		
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وَالْمُؤْمِنُونَ هُمُ الْأَوَّلُونَ مَنْ يَعْمَلُ مِنْ حَسَنَاتِهِ فَلَا يُؤْتَهُنَّ أَثْرَاثَهُنَّ وَمَنْ يَعْمَلُ مِنْ سُوءِهِ فَلَا يُؤْتَهُنَّ أَثْرَاثَهُنَّ وَمَنْ يَعْمَلُ مِنْ حَسَنَاتِهِ فَلَا يُؤْتَهُنَّ أَثْرَاثَهُنَّ وَمَنْ يَعْمَلُ مِنْ سُوءِهِ فَلَا يُؤْتَهُنَّ أَثْرَاثَهُنَّ

Prototipazione
Virtuale

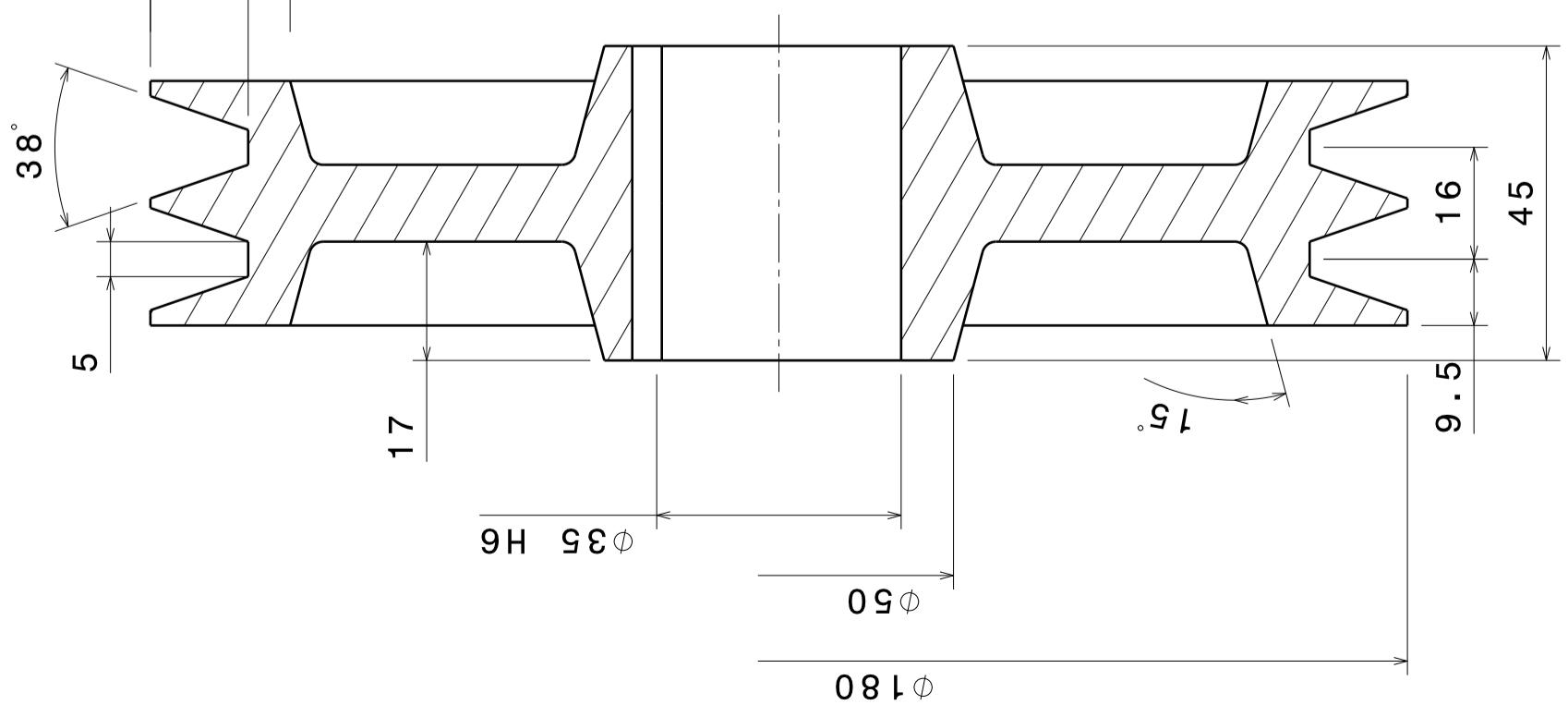
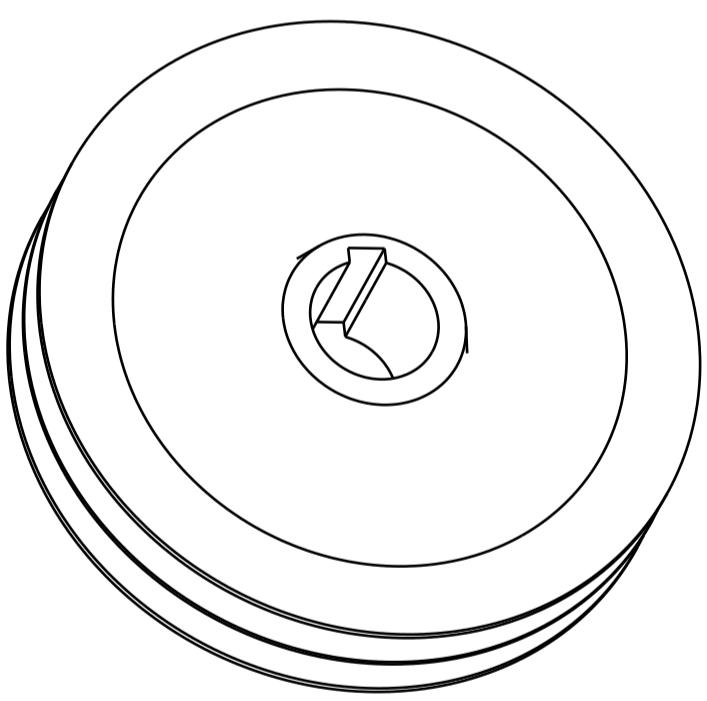
Prototipazione Virtuale

DESIGNED BY:	Ludovica Ruggiero
DATE:	05/02/2024
CHECKED BY:	XXX
DATE:	XXX

SIZE	WEIGHT (kg)	DRAWING NUMBER
A3	0,63	PV2324 ES08007

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Isometric view
Scale: 1:2



Raccordi non quotati R2

H

G

F

E

D

C

B

A

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

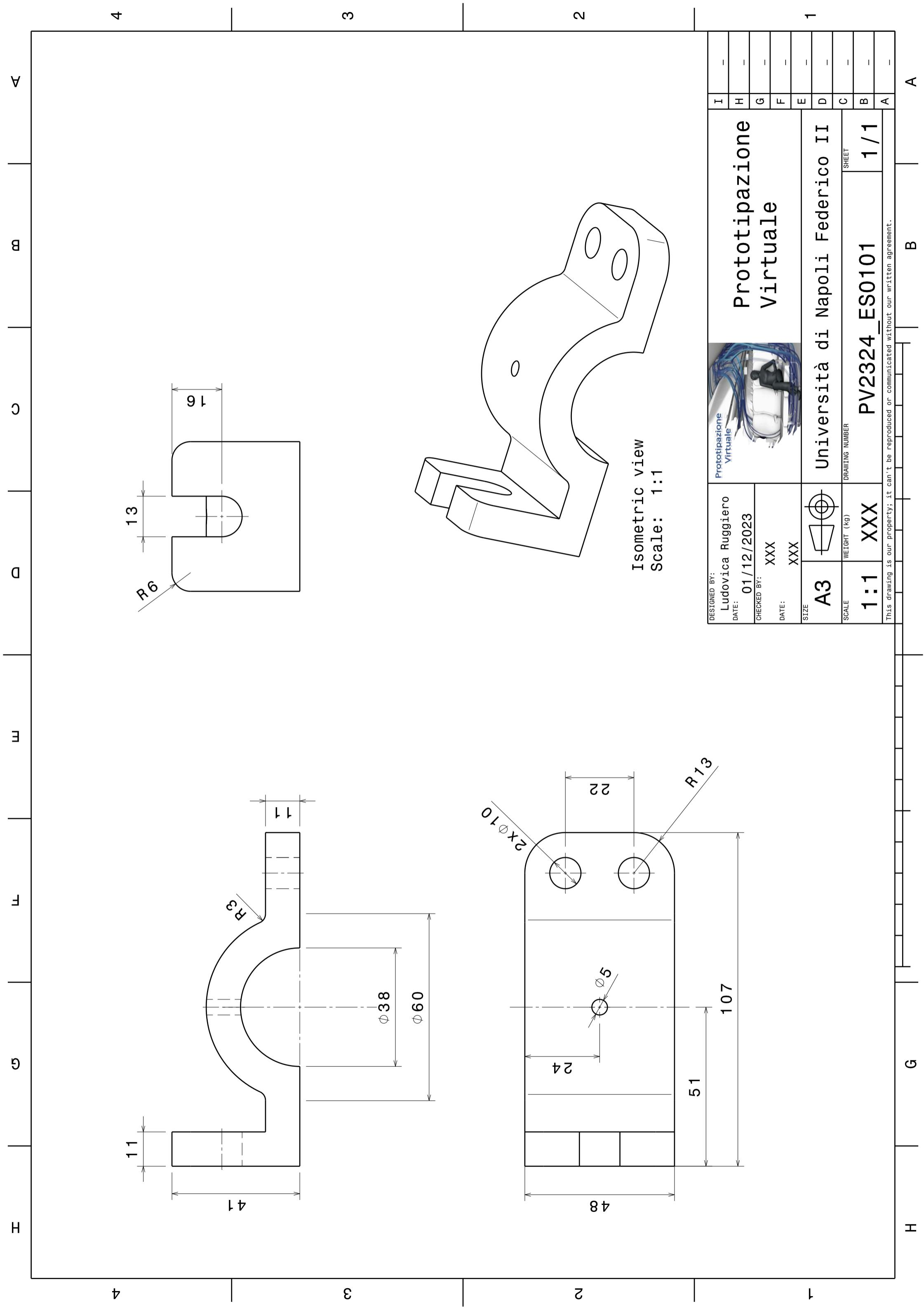
V

W

X

Y

Z



4

3

2

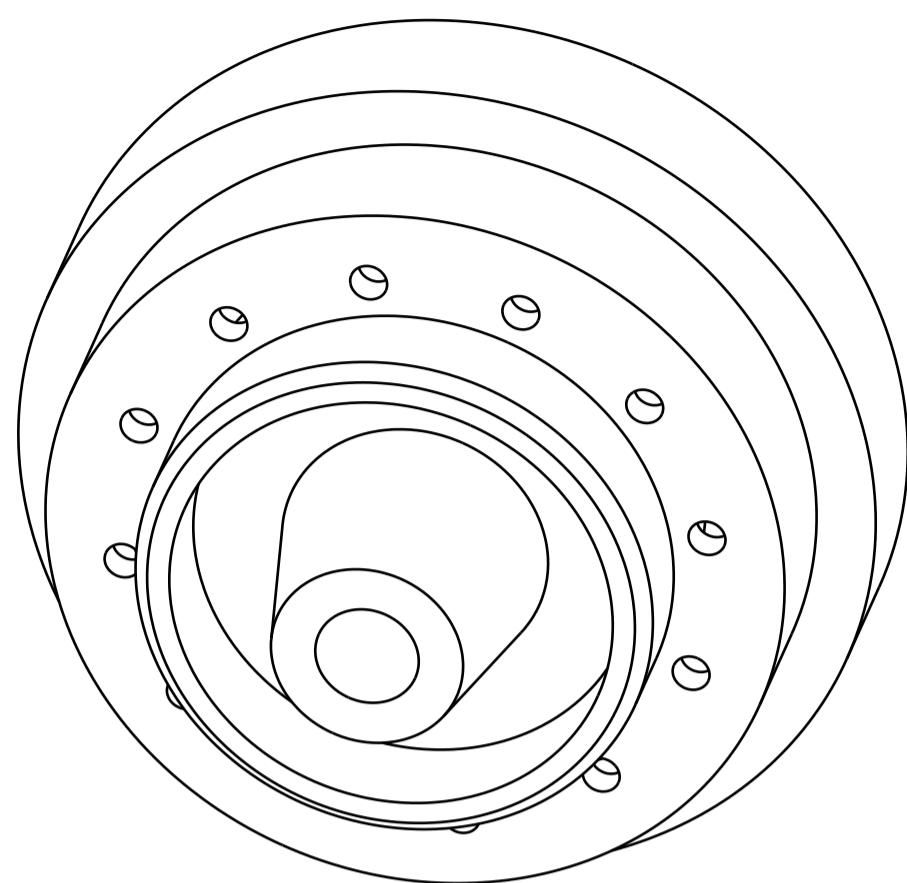
1

4

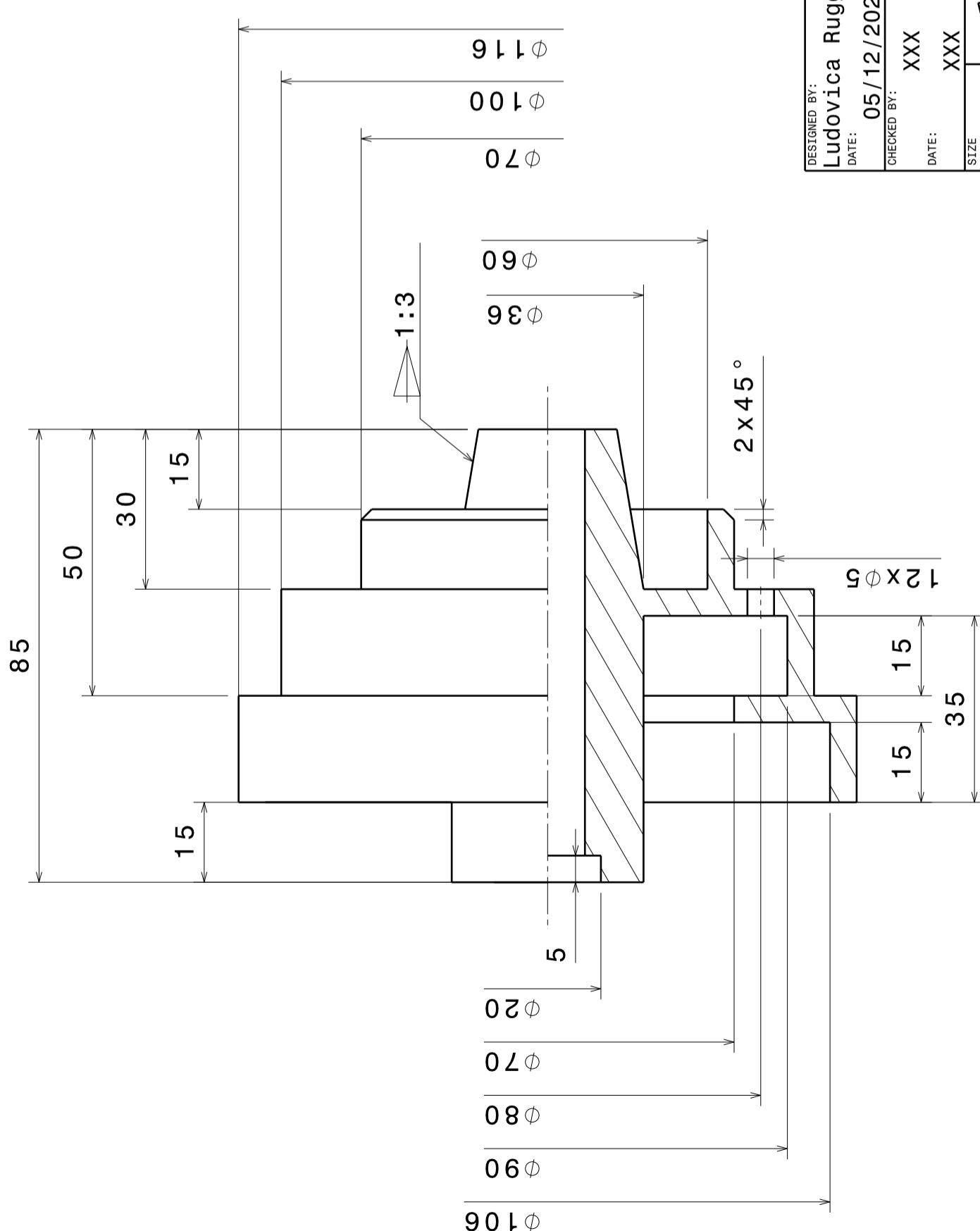
3

2

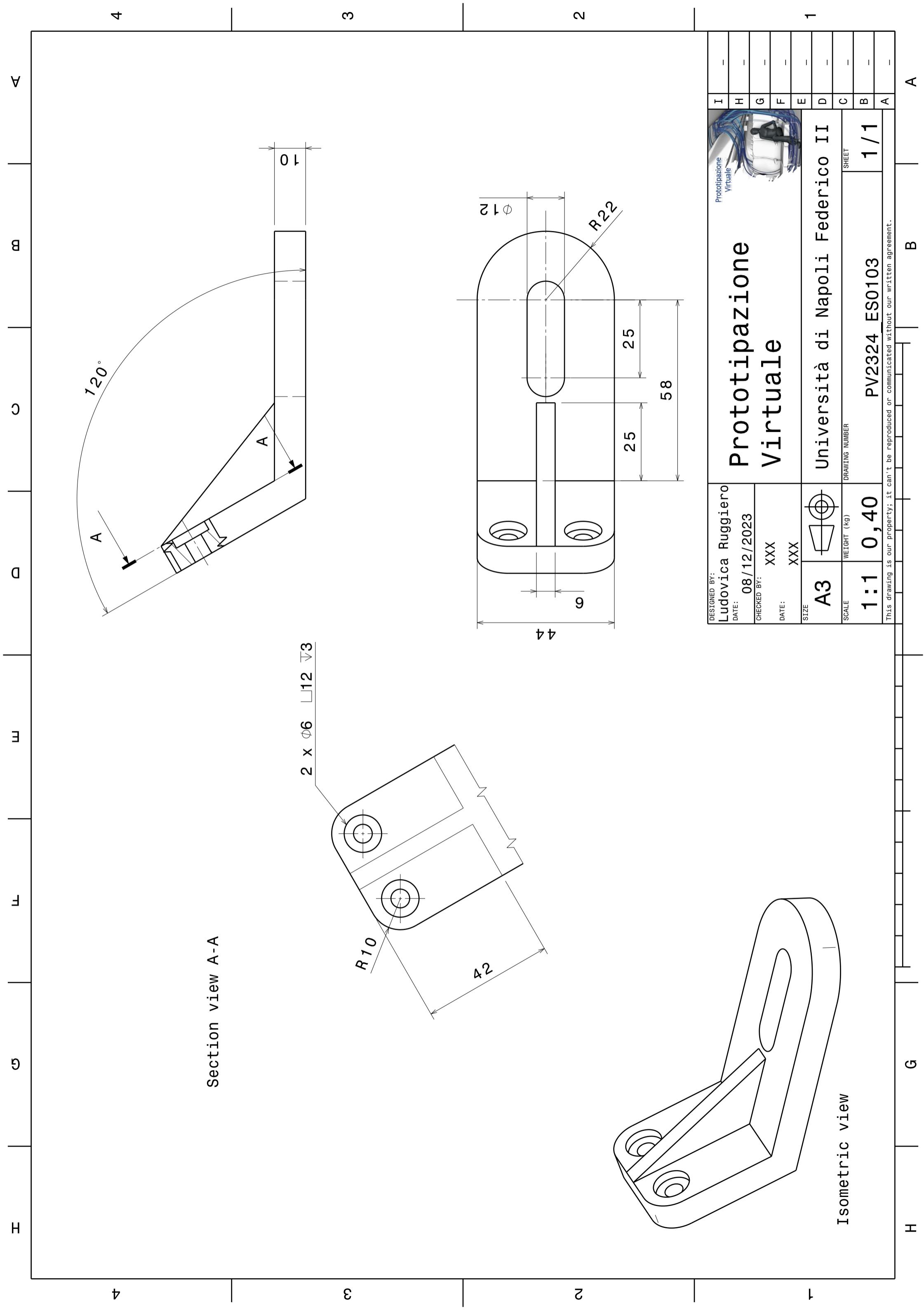
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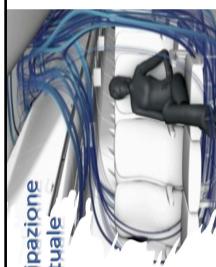
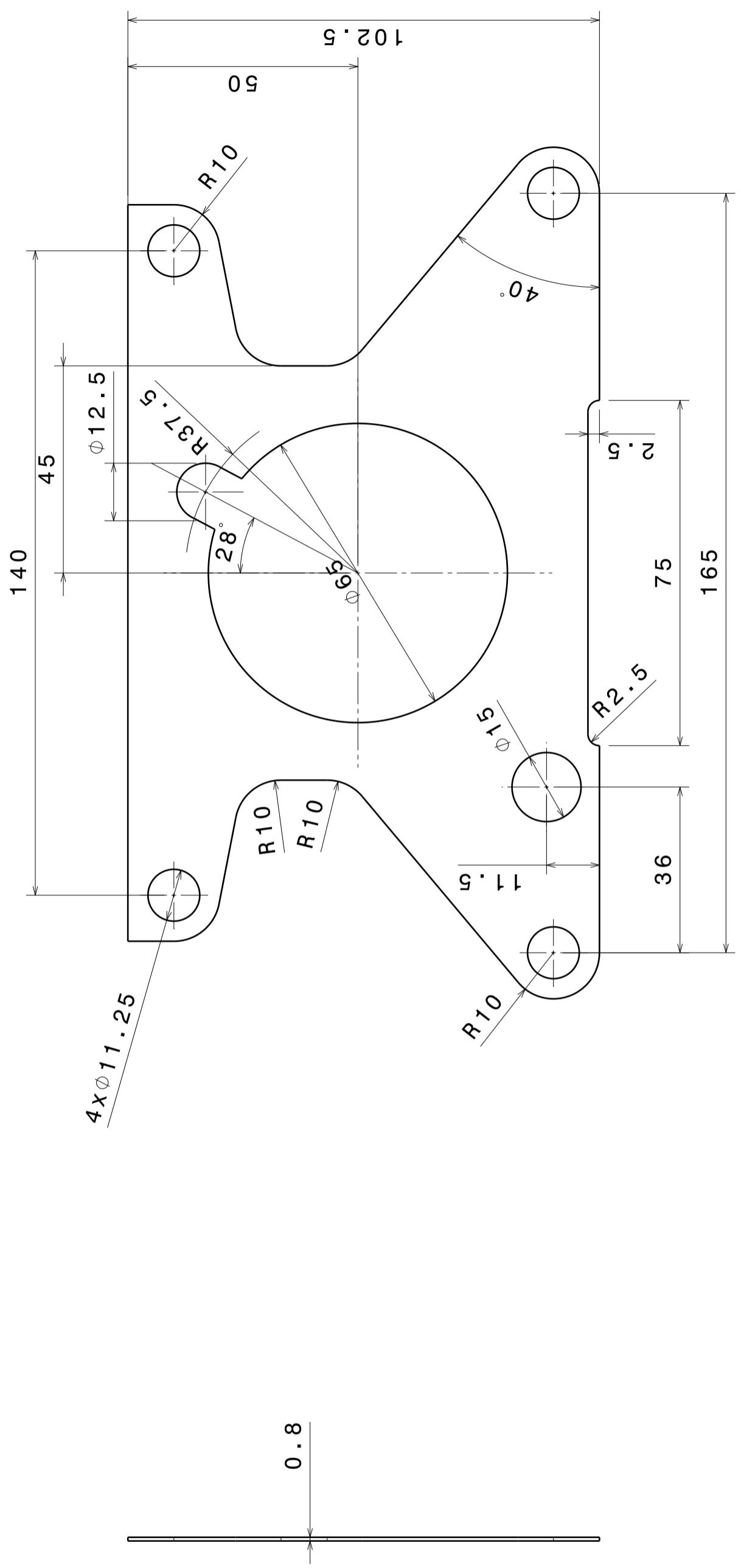


Isometric view



I	-	
H	-	
G	-	
F	-	
E	-	
D	-	
C	-	
B	-	
A	-	
PV2324_ES0102		
PV2324_ES0102		
1 / 1		
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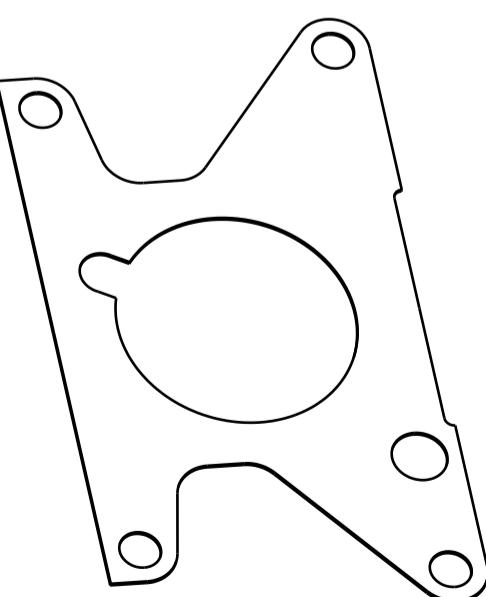




Prototipazione Virtuale

DESIGNED BY:	Ludovica Ruggiero	
DATE:	07/12/2023	
CHECKED BY:	XXX	
DATE:	XXX	
SIZE	SCALE	WEIGHT (kg)
A3	1 : 1	0,12

PV2324 ES0104



Vista isometrica
Scala: 1:2