



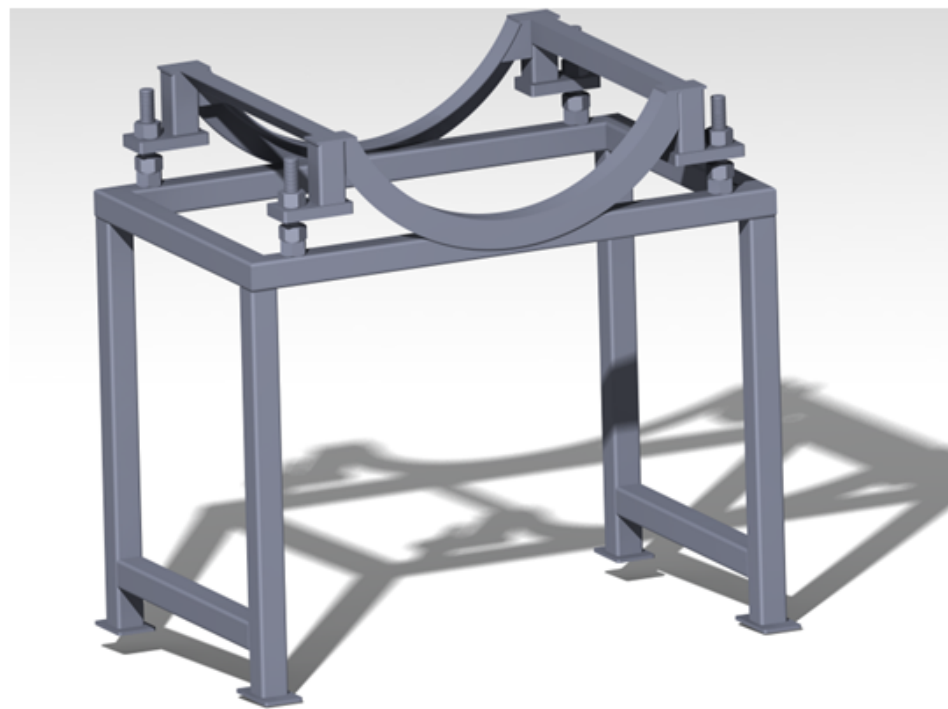
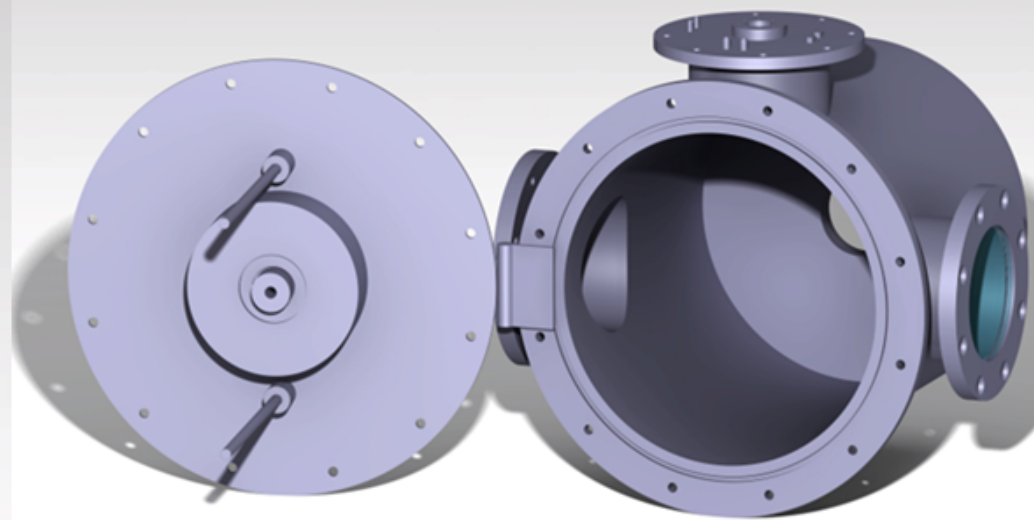
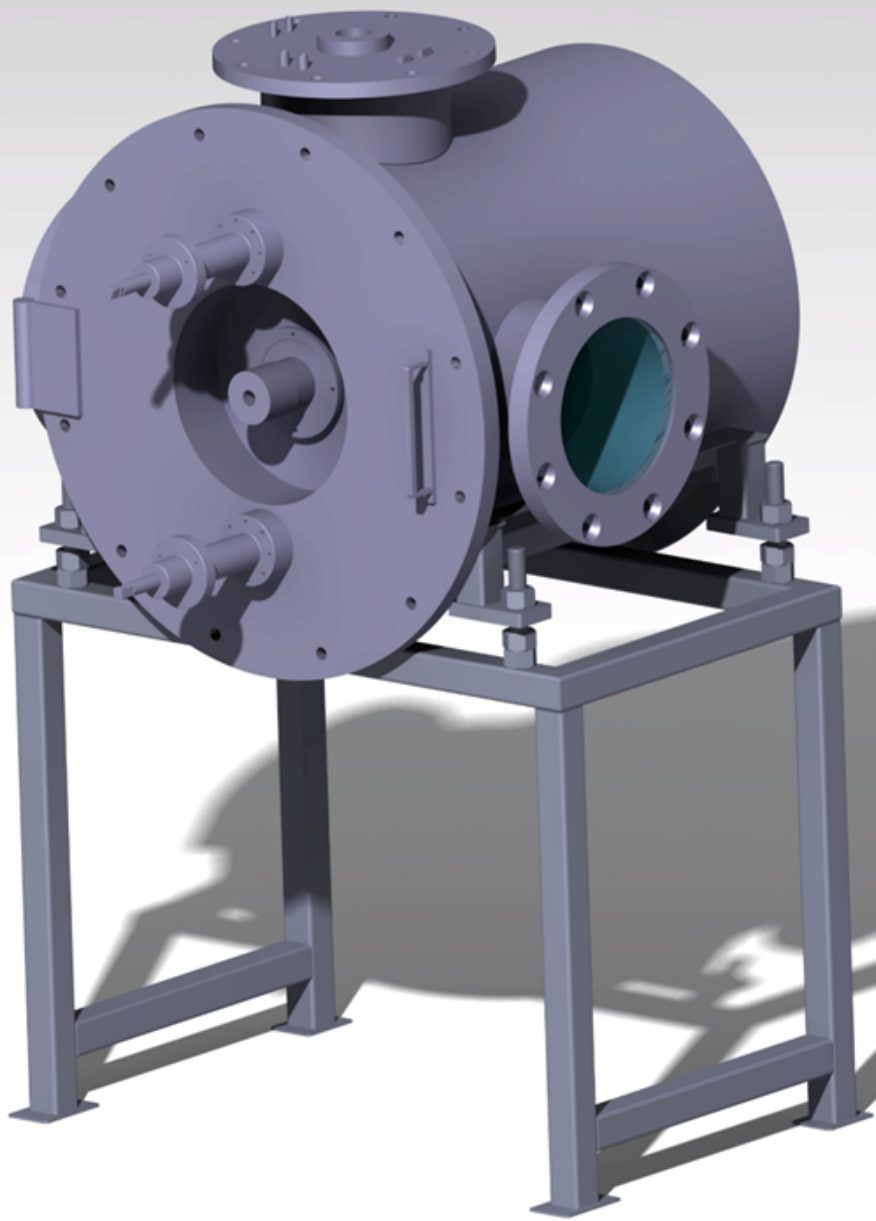
**Fornitura avente ad oggetto l'acquisto di beni e
attrezzature scientifiche per il progetto
"Attivazione e riqualifica di laboratori didattici"
CUP E62B23000120002
Cod. SURF 23011BP000000007
a valere sul POR CAMPANIA FESR 2014-2020 -
Asse IX, O.S. 10.5, Azione 10.5.7**

**ALLEGATI
al
CAPITOLATO TECNICO**



Allegato 2.1

Vista isometrica camera da vuoto con sistema di movimentazione

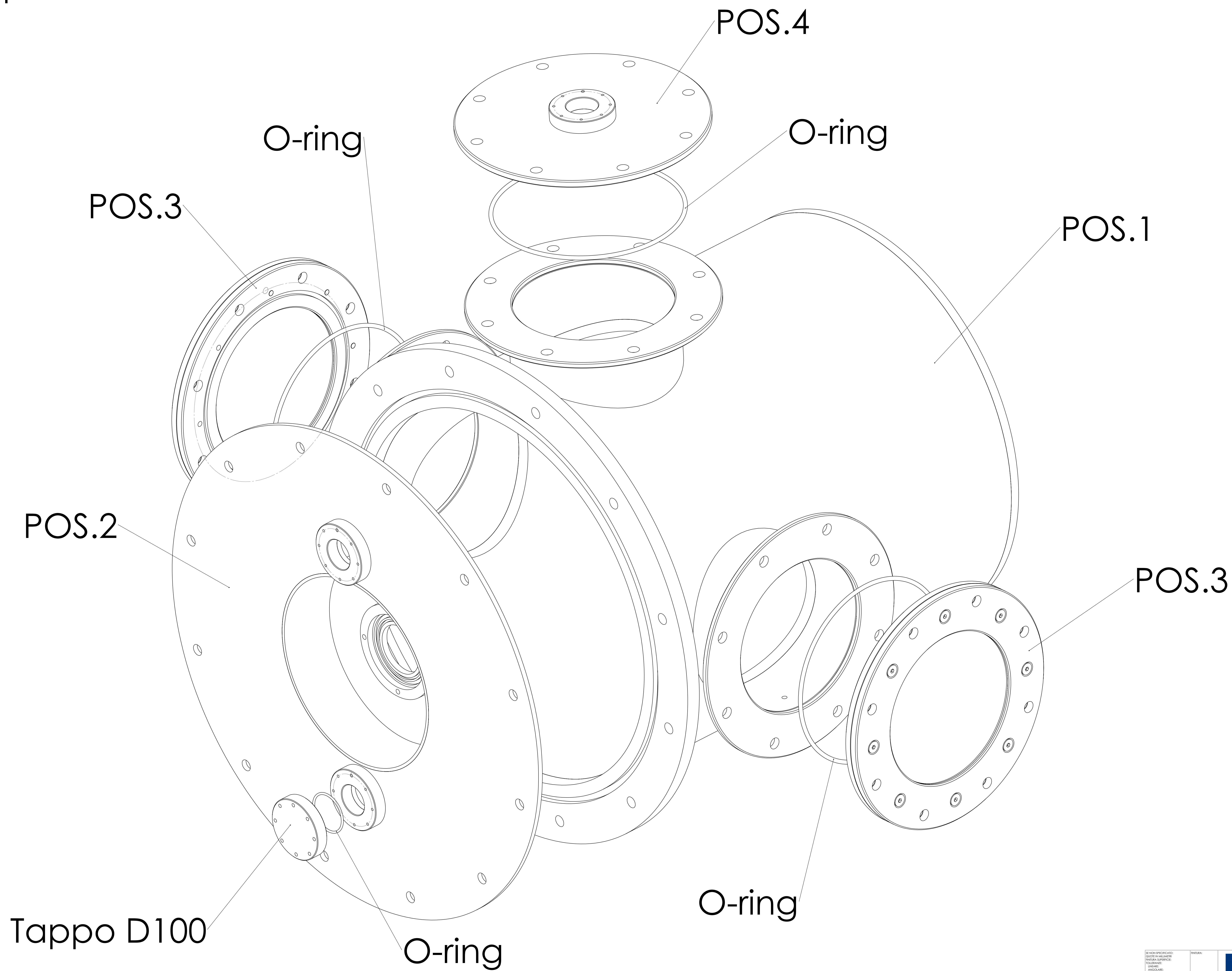




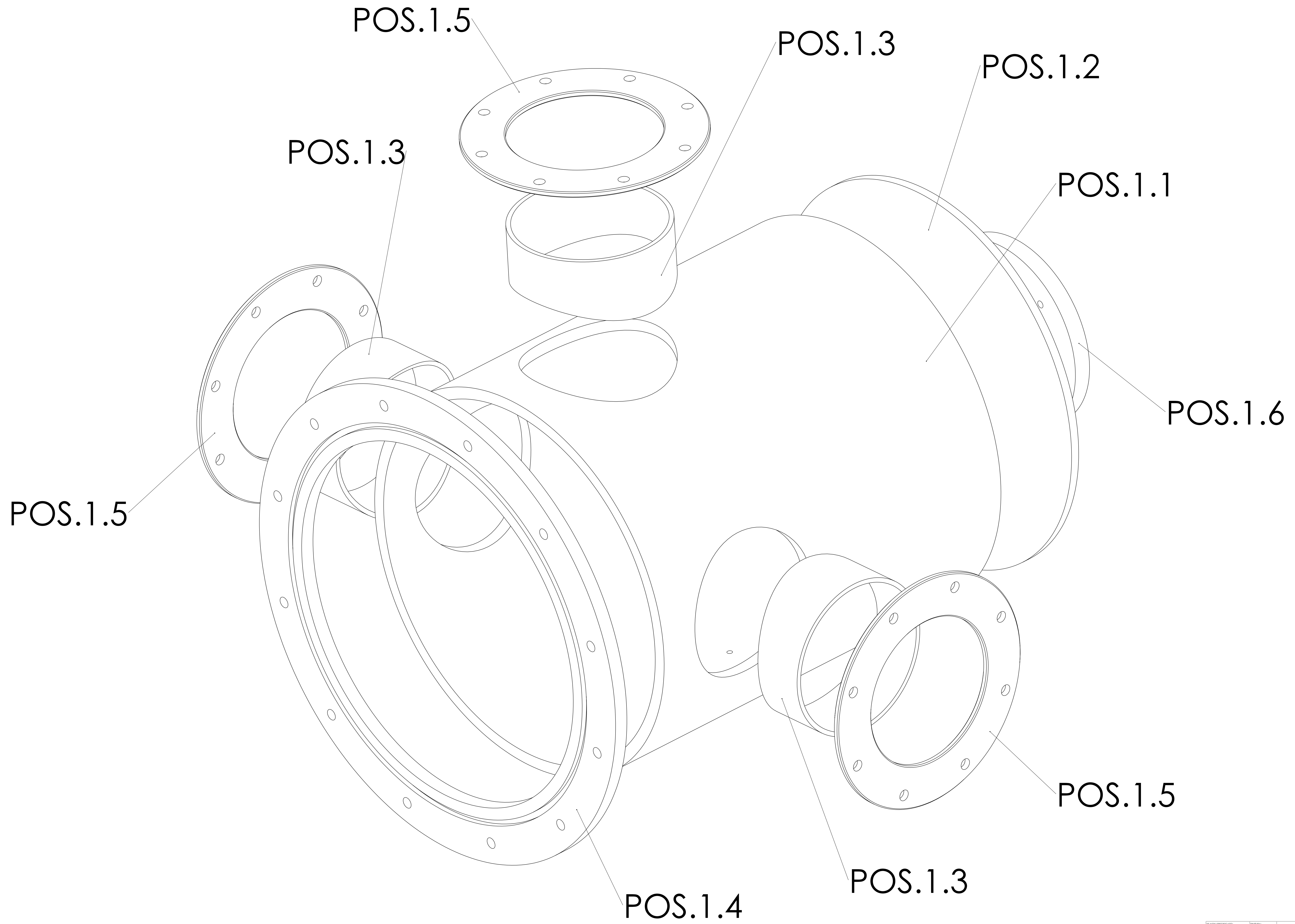
Allegato 2.2

Disegni camera da vuoto e flange (AISI 316L)

Vista esplosa

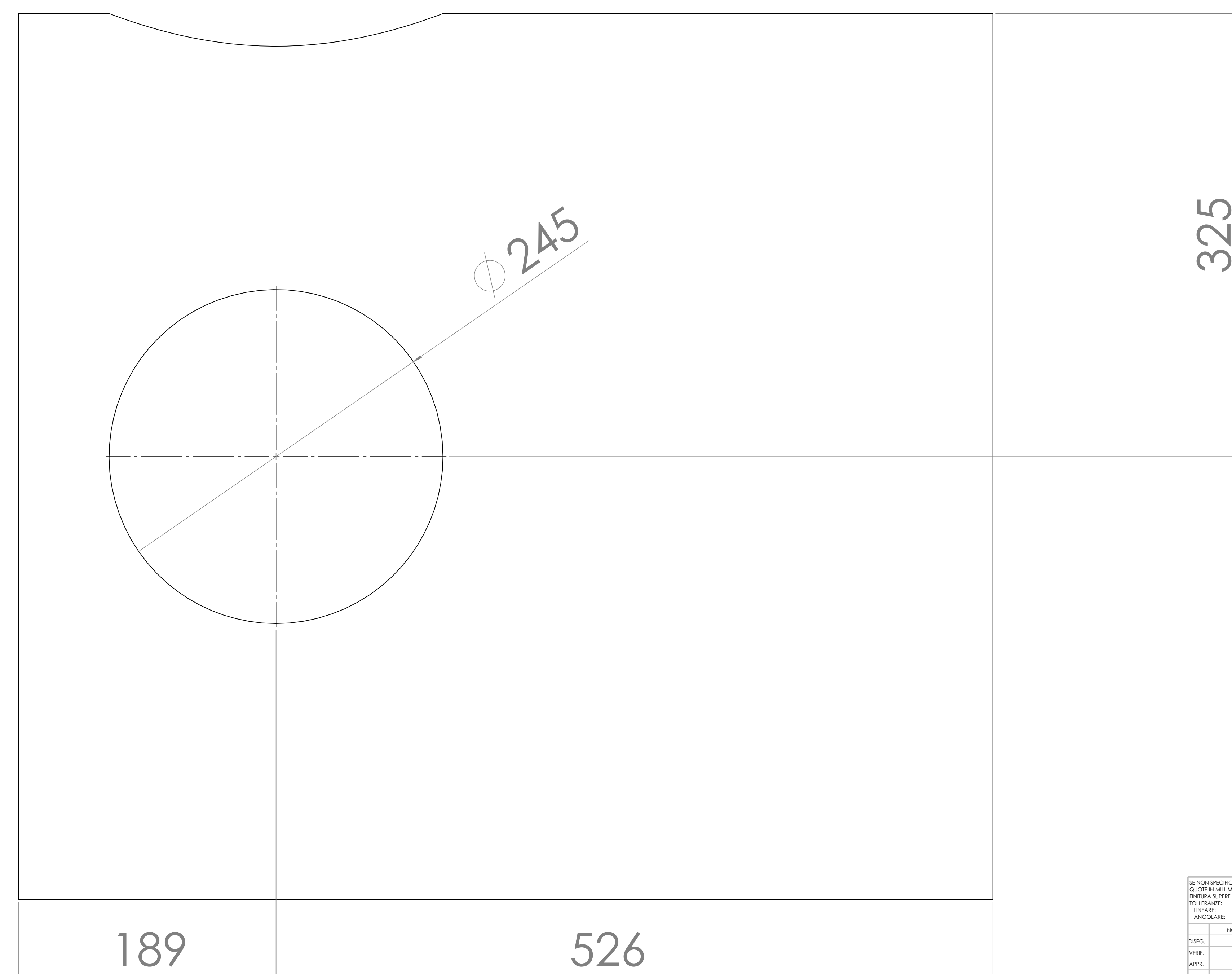
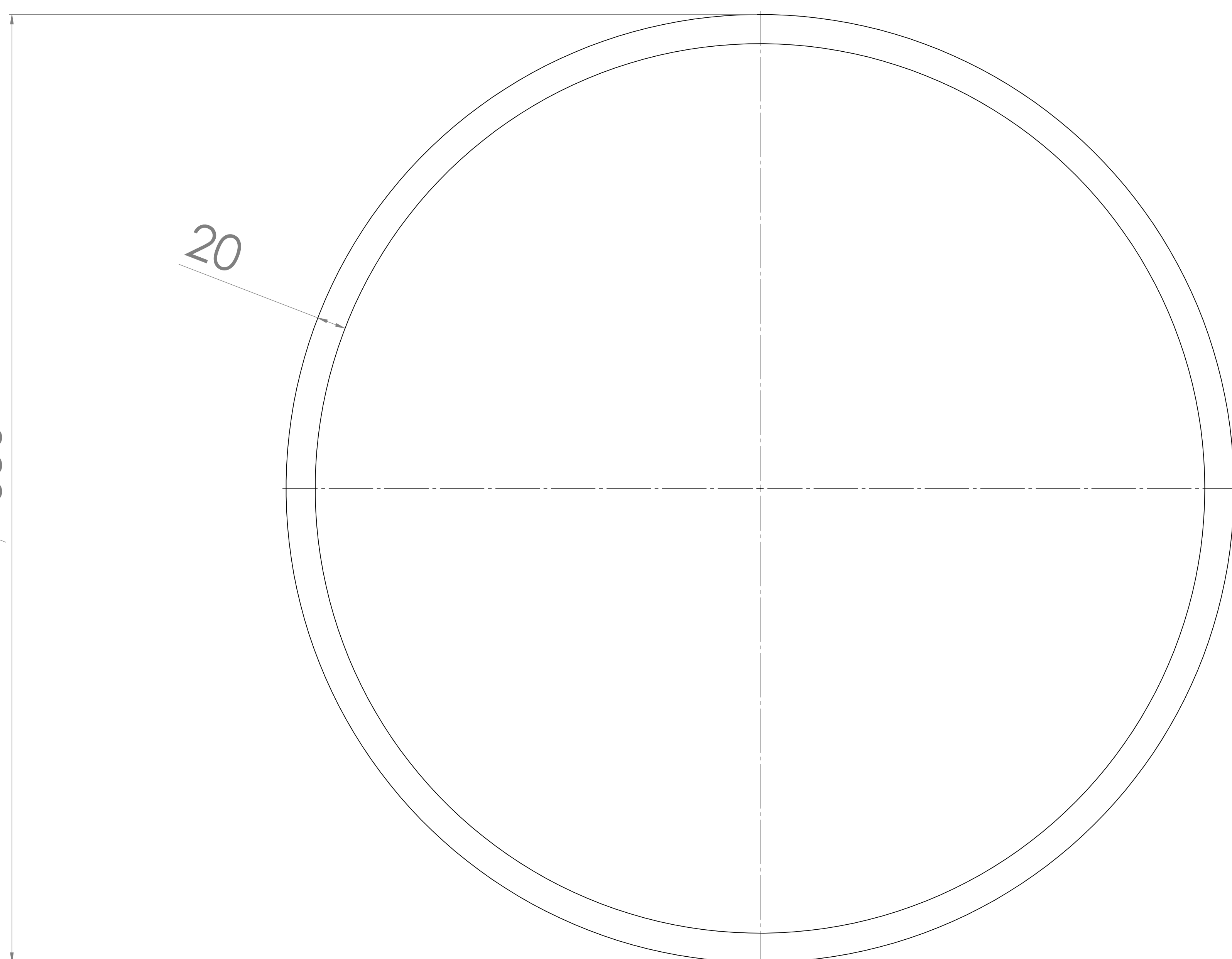
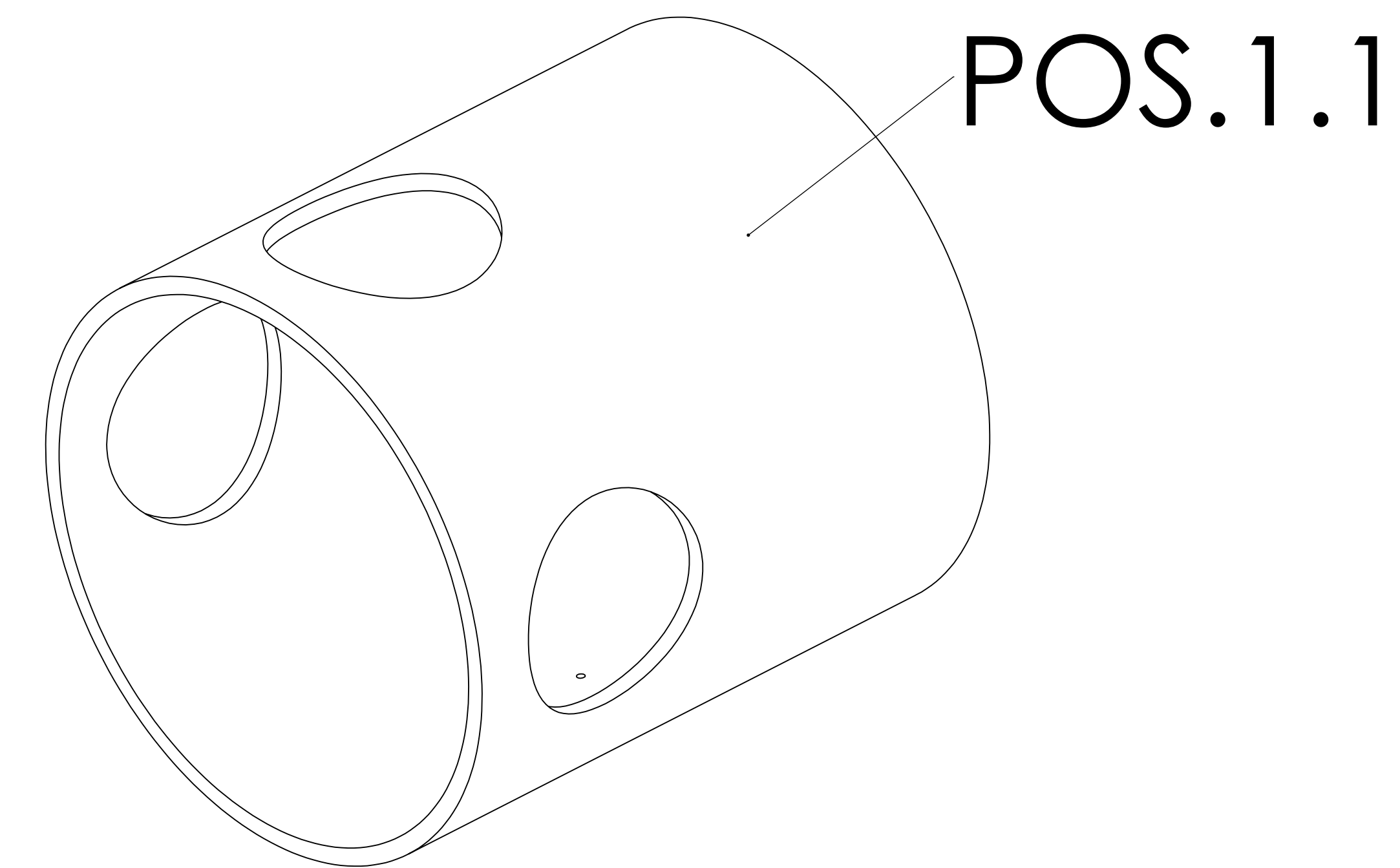
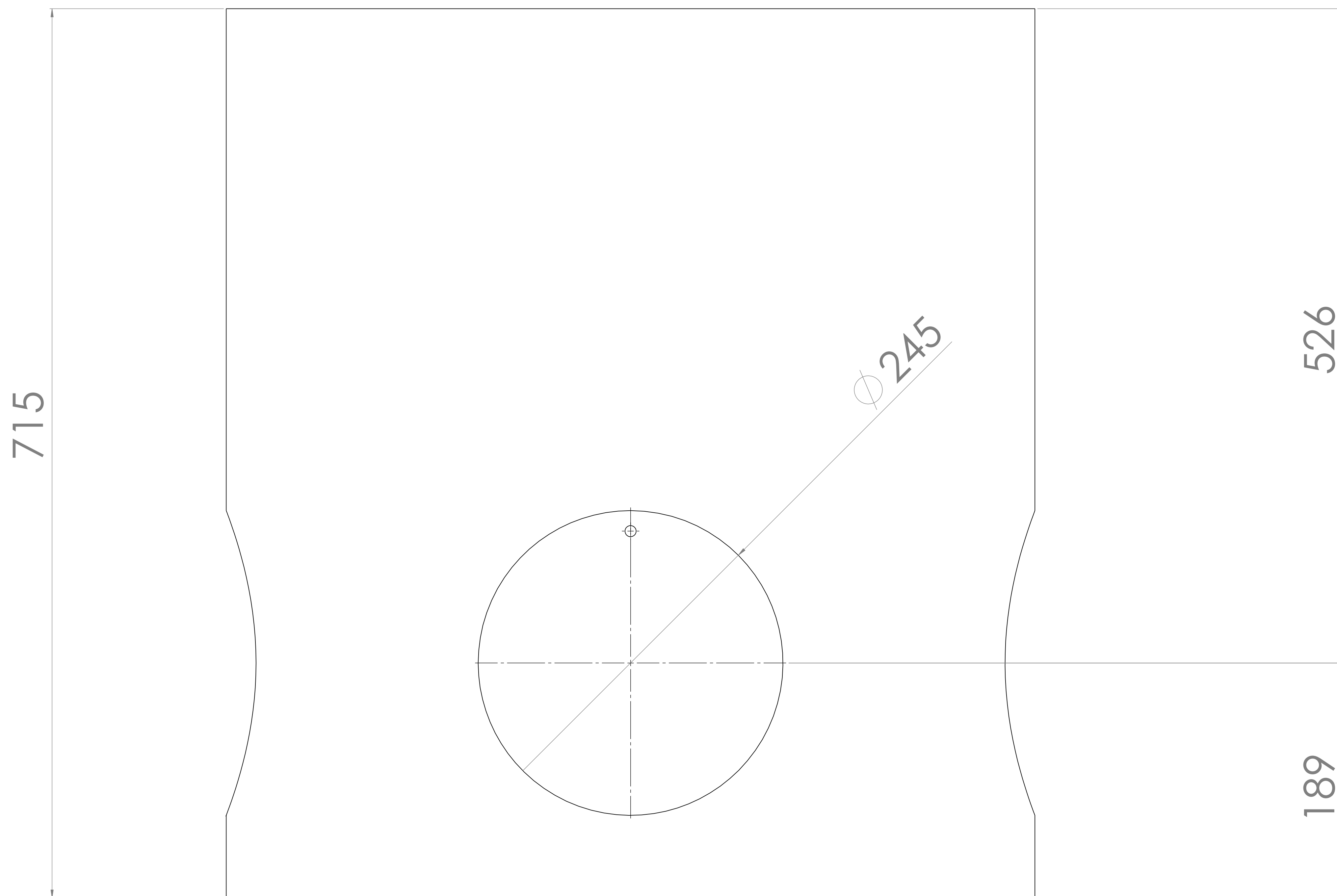


POS.1: Vista esplosa



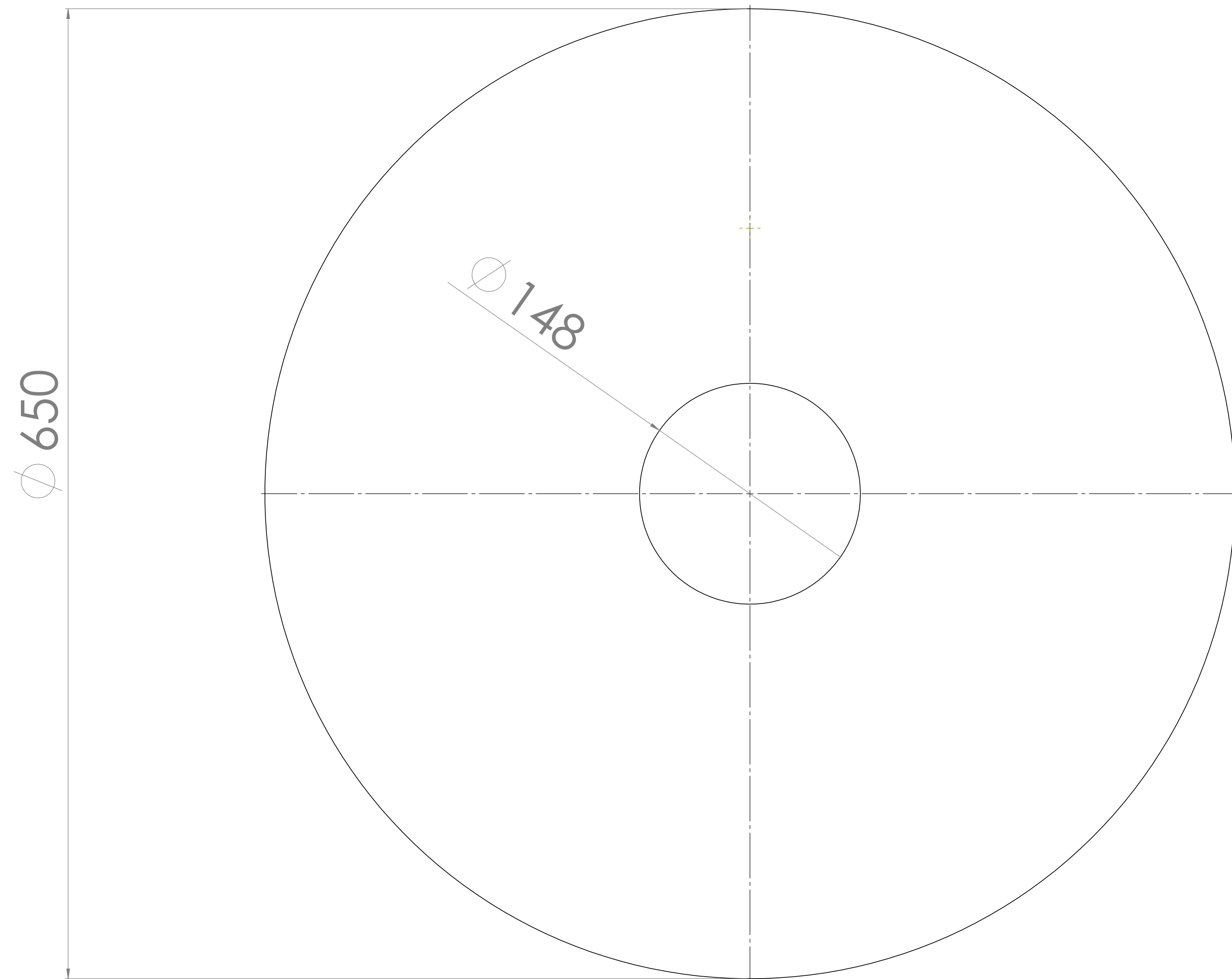
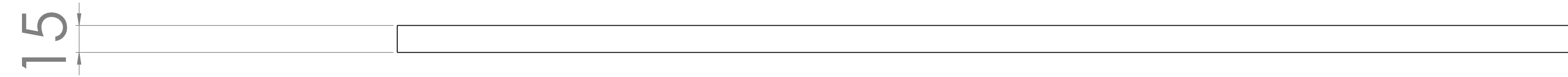
© NON INFORMATICA OGGETTO: N. 14/10001 REVISIONE: 001 PRODOTTORE:			INTERNA			NON SCALARE DESIGN			REVISIONE		
DESIGN: VERB: APPV: FABR: DATA:			NOME			FIRMA			DATA		
MATERIALE:			N. DESIGNO			SCALARE			FOGGIO 2011		
ASTRA			Camera SPES			A0					

POS.1.1: 1 pcs

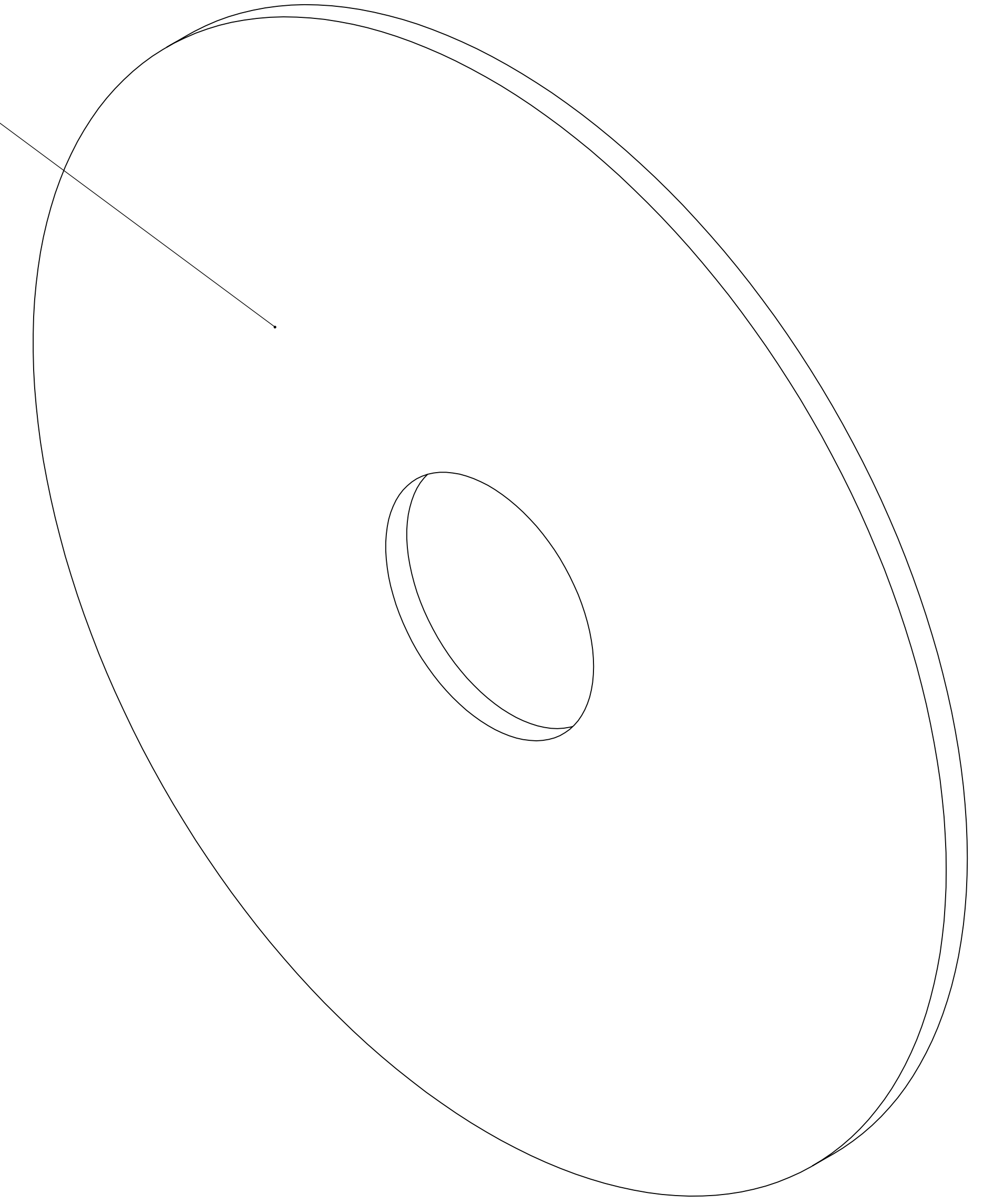


© NON PROSPERANDO OGGETTO N. VALORI REDAZIONE: 01/2018 REVISIONI: AUTORE:			ITERUM		
DESCRIZIONE:			NON SCALARE DESIGN		
MATERIALE:			REVISIONI:		
N. DESIGNO:			TITOLO: Camera SPES		
AUTORE:			SCALE: A0		
DATA:			FOGGIO 23 19		

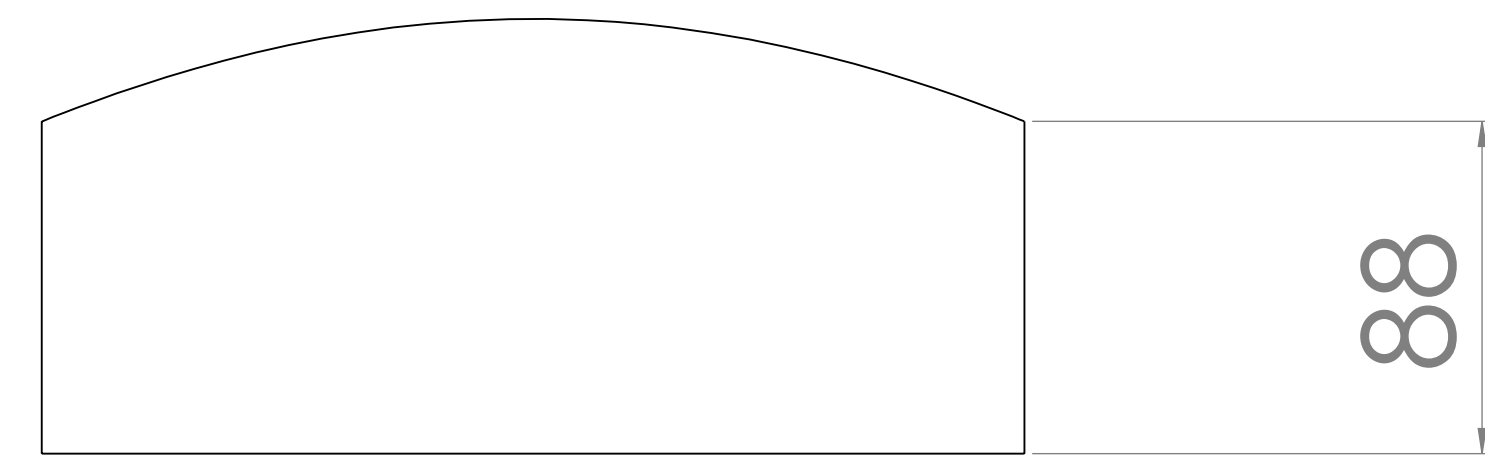
POS.1.2: 1 pcs



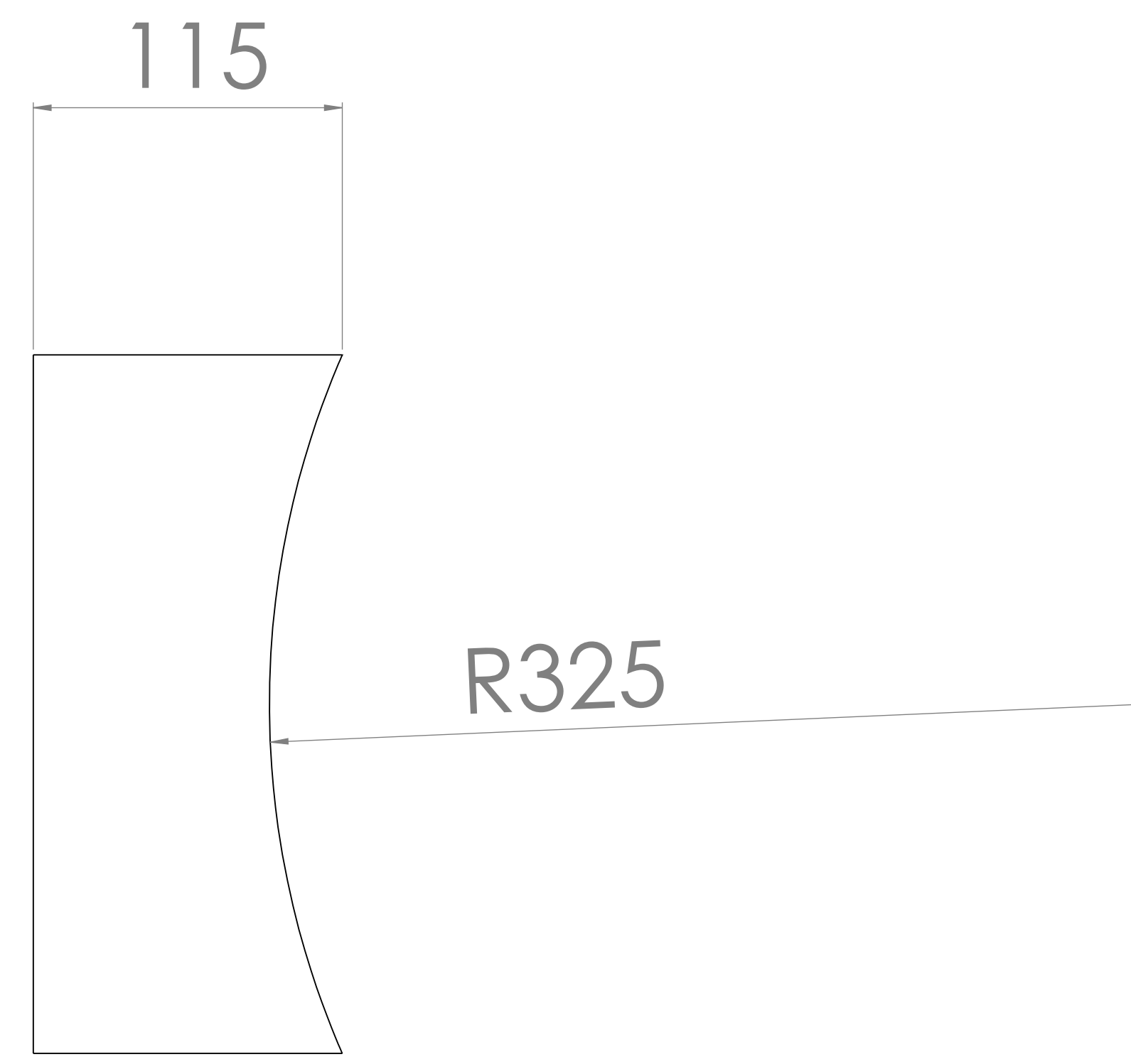
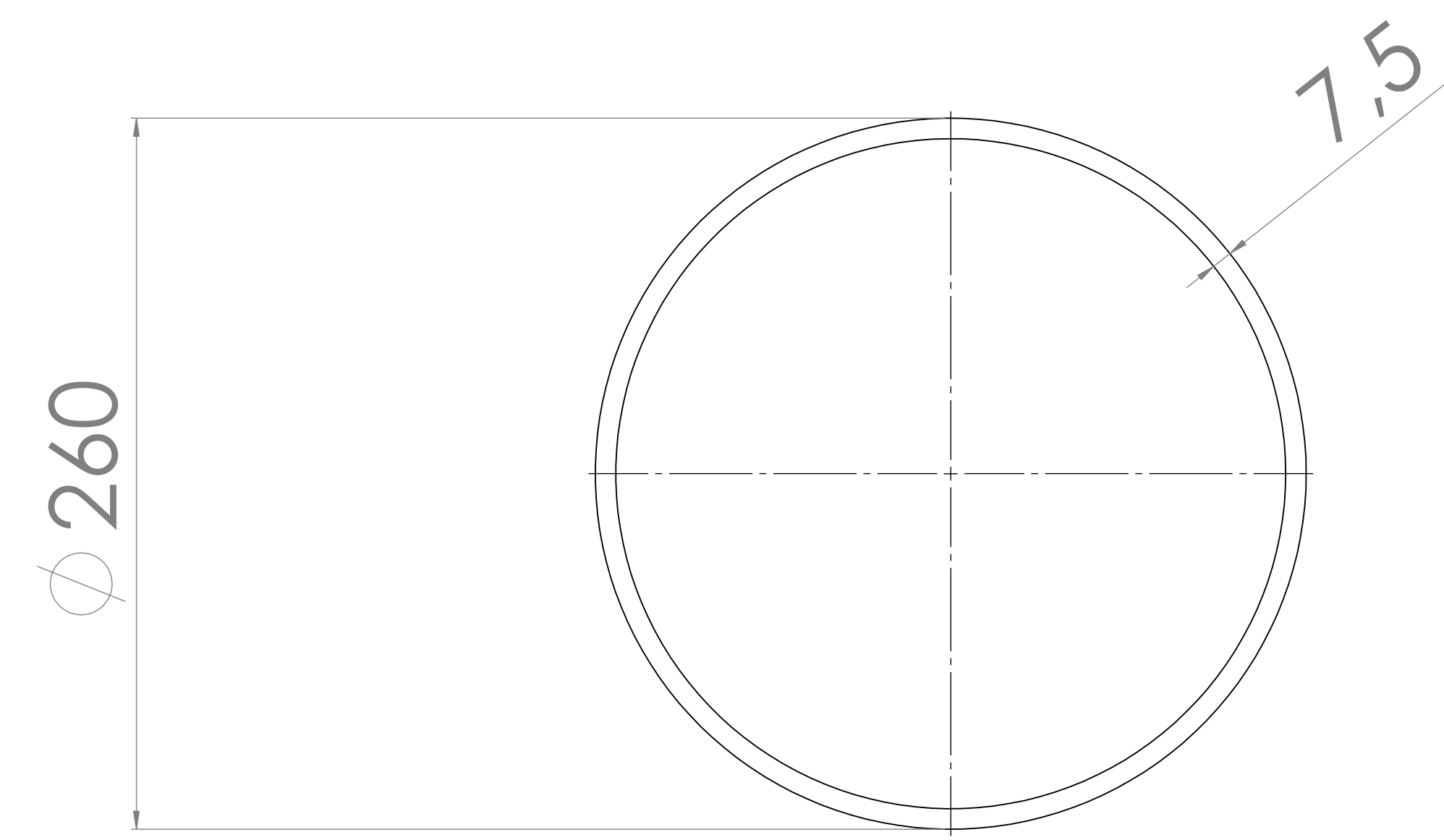
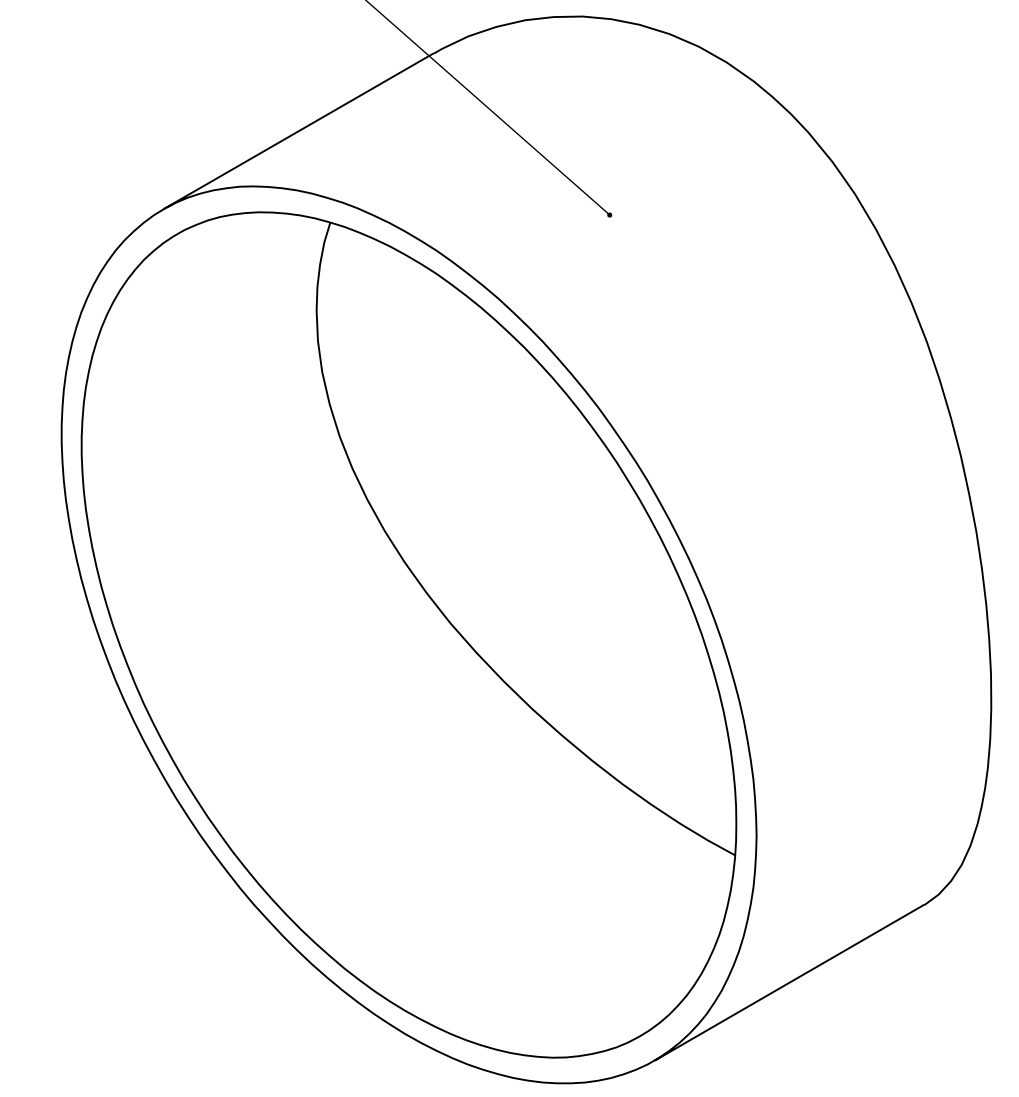
POS.1.2



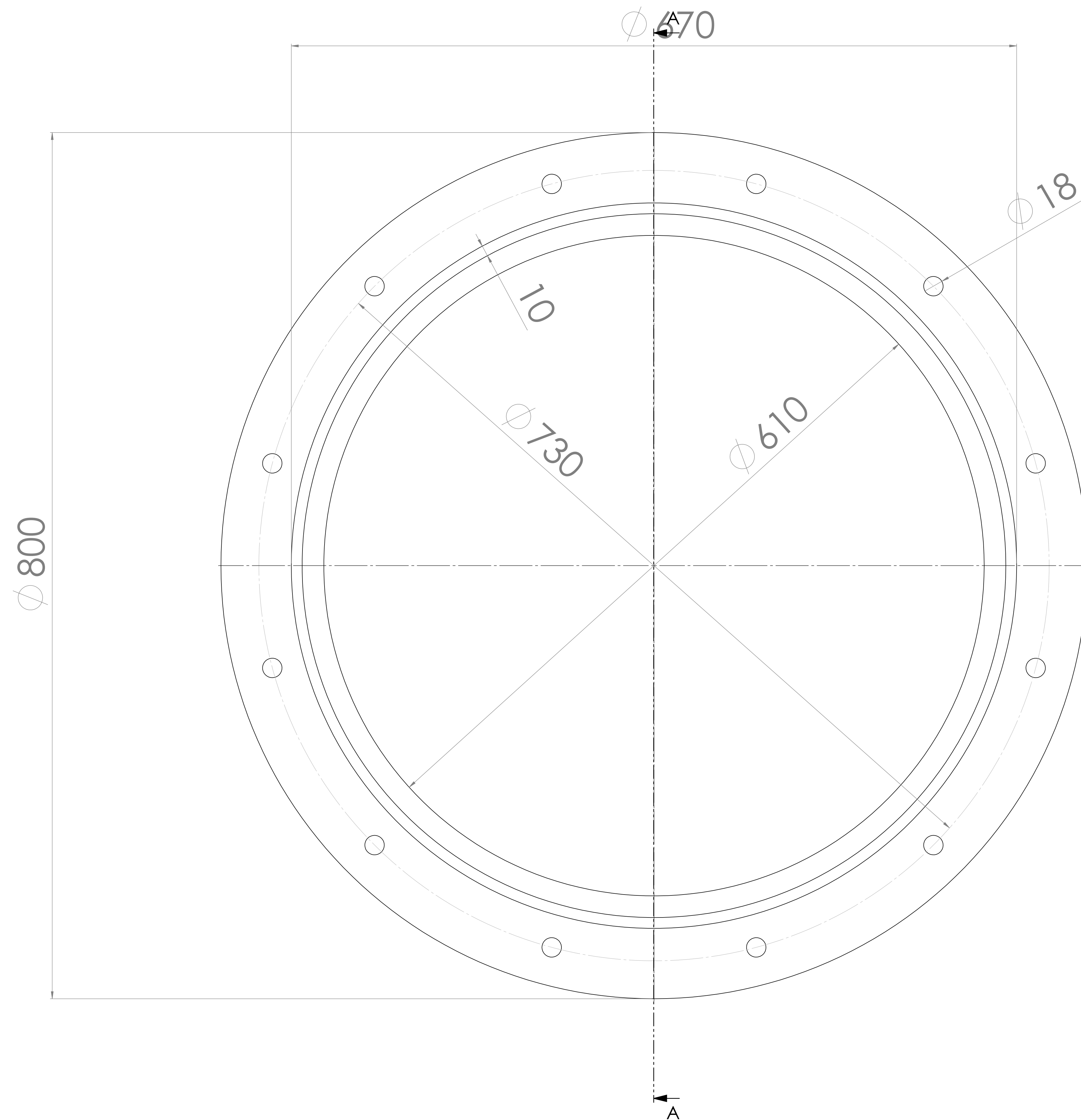
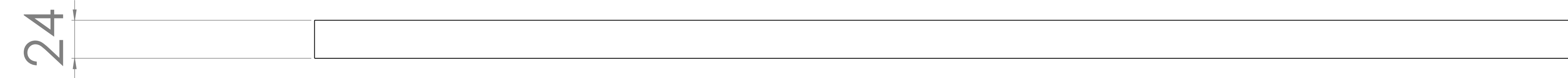
POS.1.3: 3 pcs



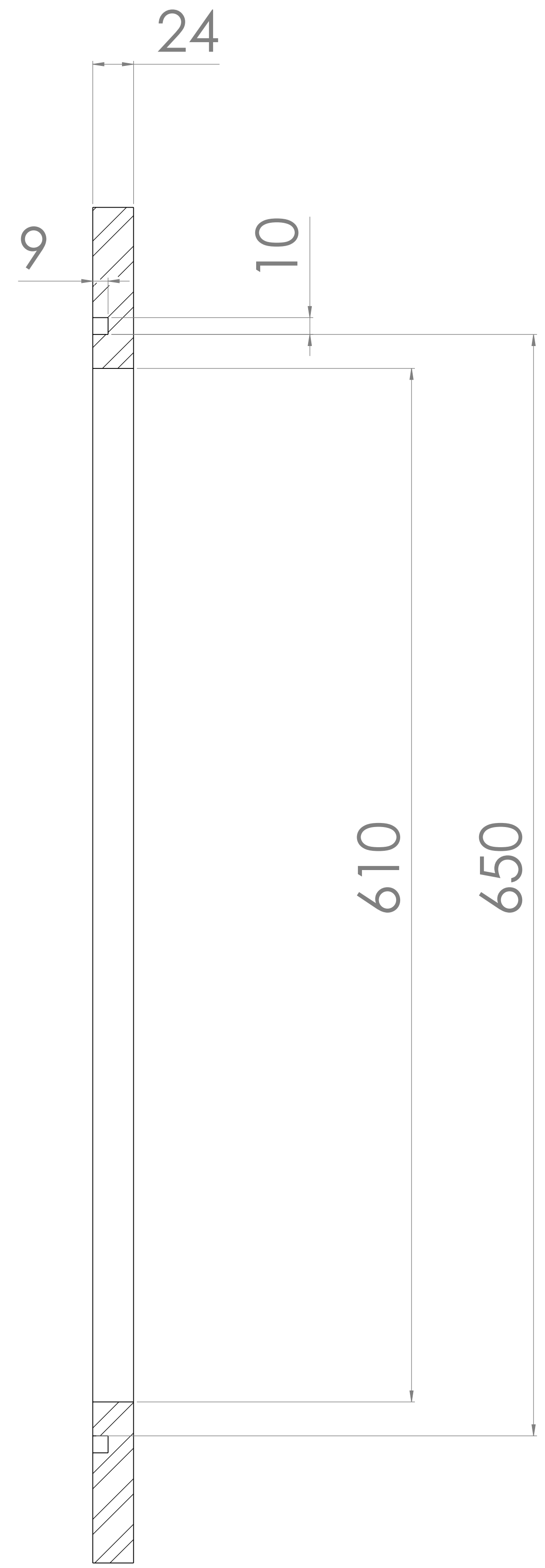
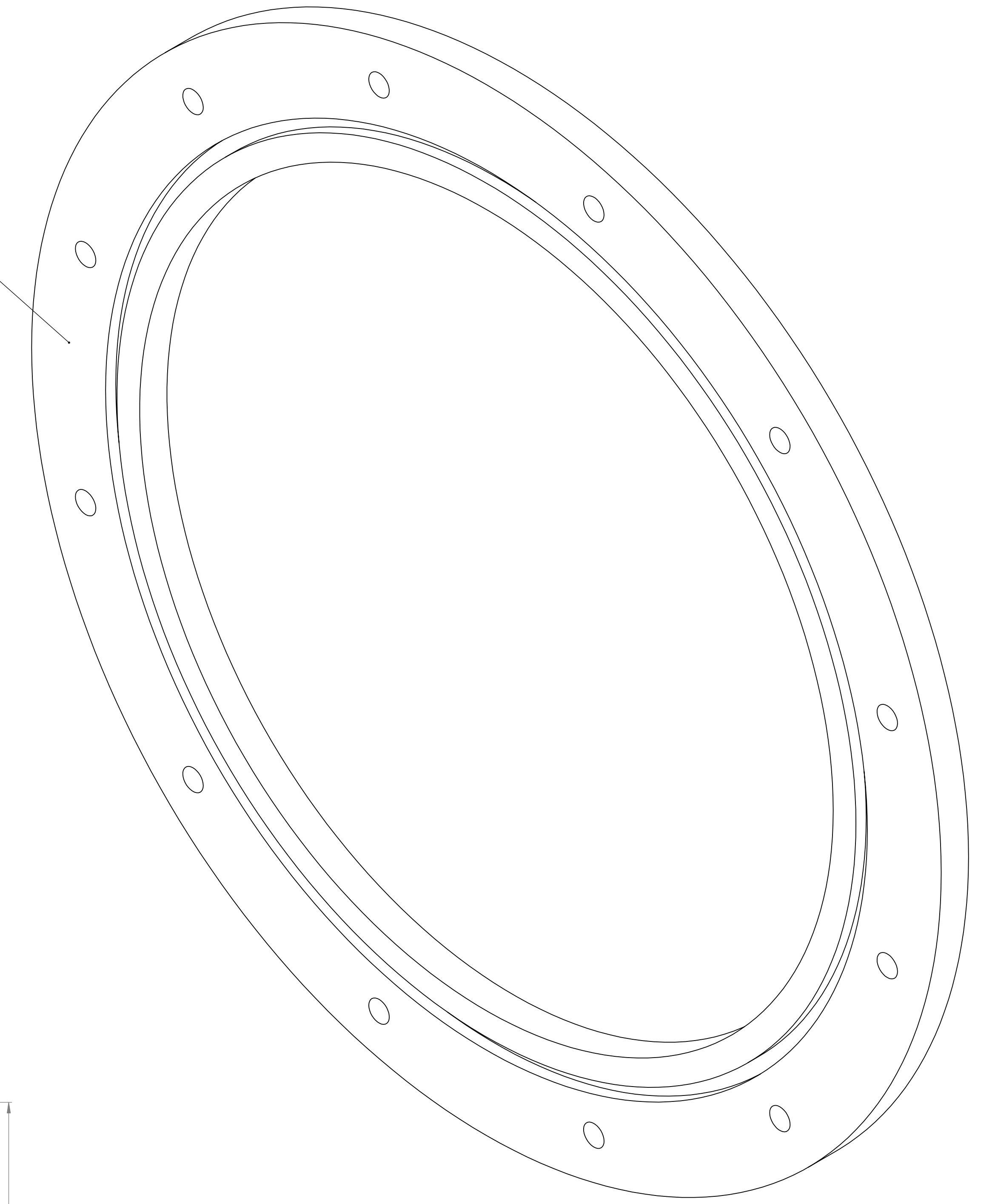
POS.1.3



POS.1.4: 1 pcs



POS.1.4



SEZIONE A-A

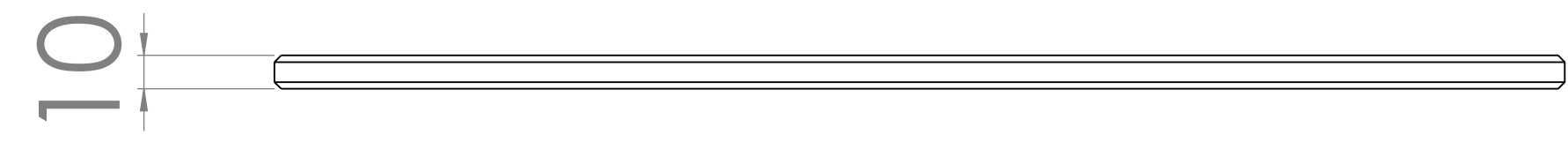
© NON INFORMATICA SOCIETÀ A RESPONSABILITÀ LIMITATA			PROIEZIONE		
TOLERANZE DIMENSIONALI ANGOLARI			NON SCALARE DESIGN		
AUTORE			REVISORE		
DATA			DATA		
MATERIALE			MATERIALE		
N. DESIGNO			N. DESIGNO		
SCALA 1:2			SCALA 1:2		
FOGGIA 19			FOGGIA 19		

ASTRA

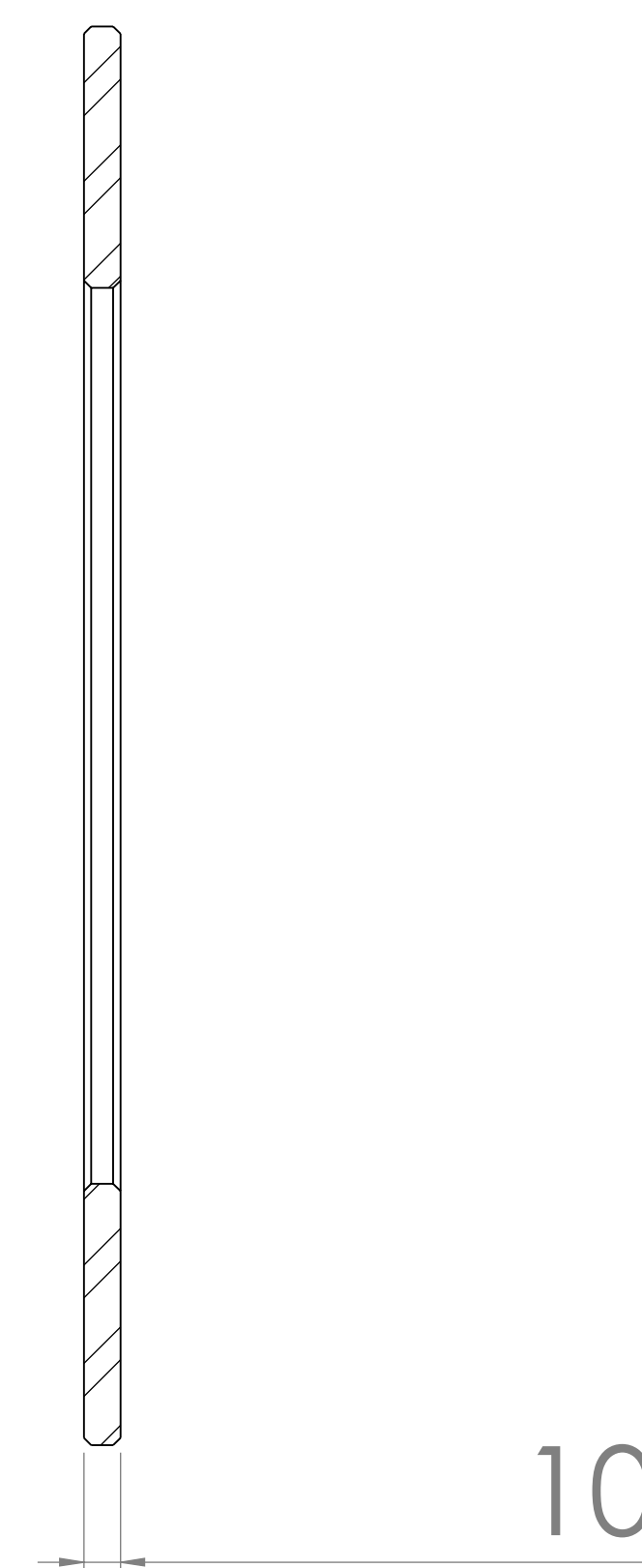
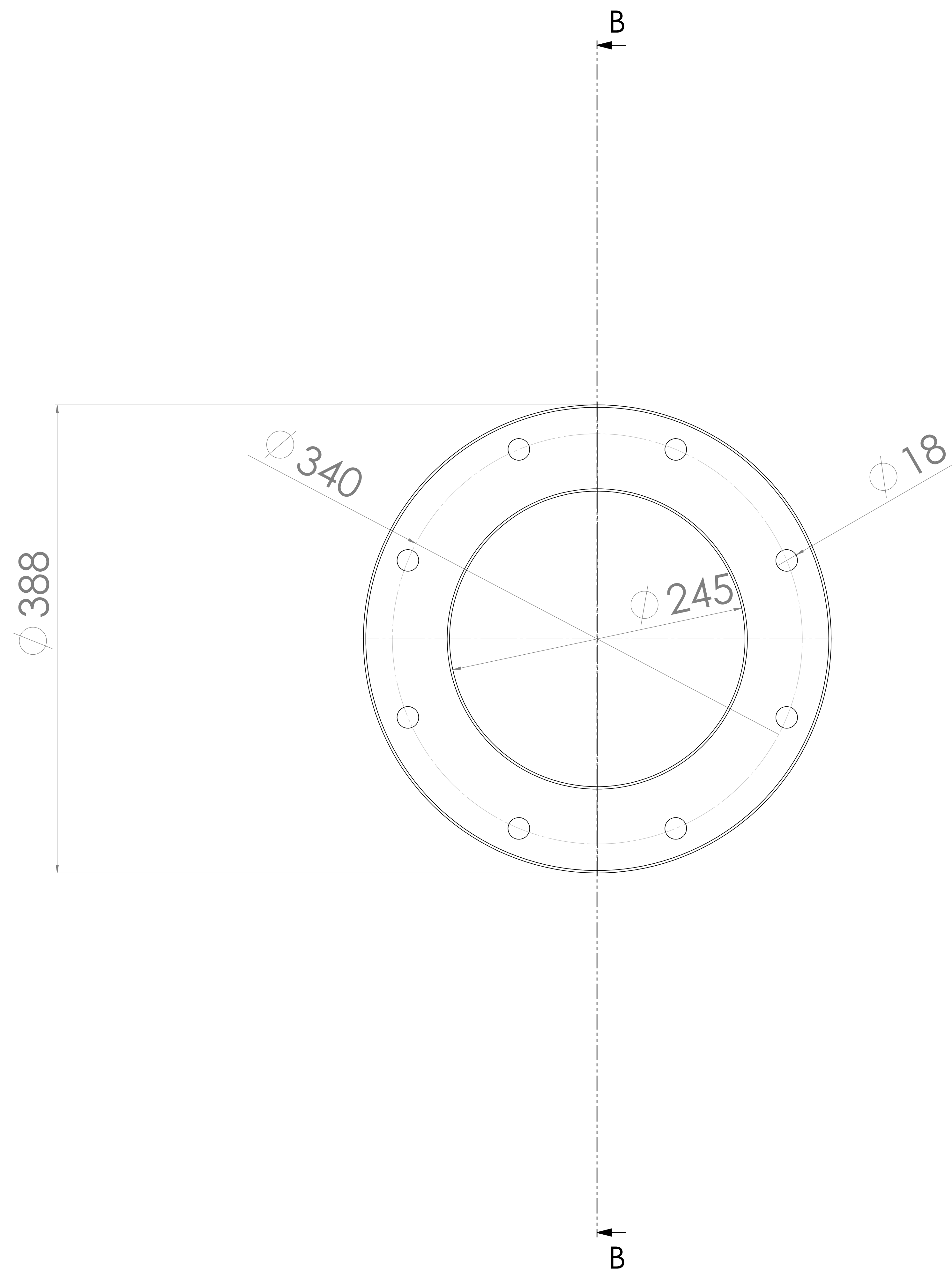
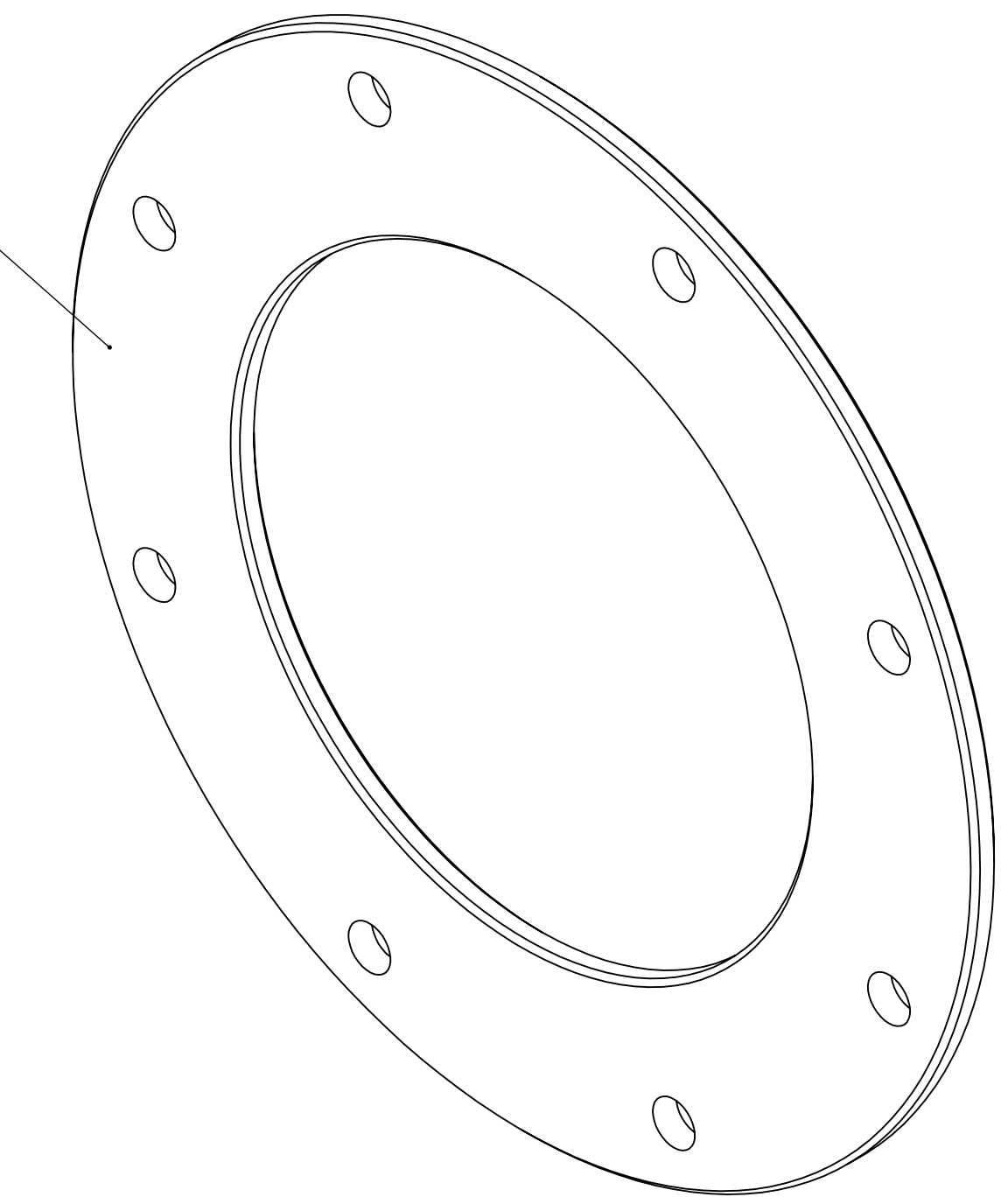
Camera SPES

A0

POS.1.5: 3 pcs



POS.1.5



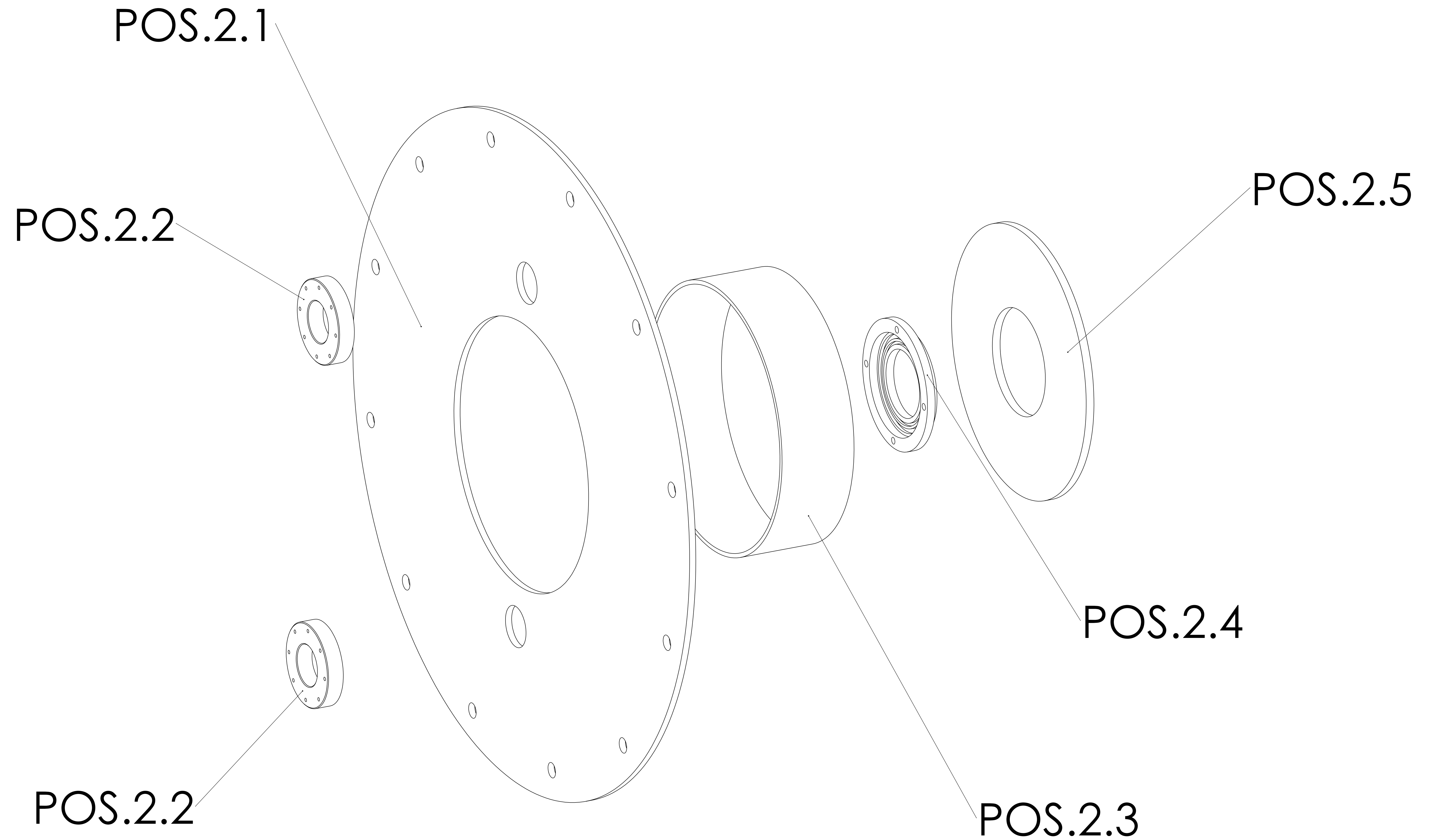
SEZIONE B-B

© NON INFORMATICA SOCIETÀ A RESPONSABILITÀ LIMITATA			PROIEZIONE			NON SCALARE DESIGN			REVISIONE		
TOLERANZE DIMENSIONALI ANGOLARI			MATERIALE			N. DESIGNO			A0		
DESIGNO	PROIEZIONE	DATA	MATERIALE			N. DESIGNO			A0		
PROIEZIONE	PROIEZIONE	DATA	MATERIALE			N. DESIGNO			A0		
PROIEZIONE	PROIEZIONE	DATA	MATERIALE			N. DESIGNO			A0		
PROIEZIONE	PROIEZIONE	DATA	MATERIALE			N. DESIGNO			A0		
PROIEZIONE	PROIEZIONE	DATA	MATERIALE			N. DESIGNO			A0		
PROIEZIONE	PROIEZIONE	DATA	MATERIALE			N. DESIGNO			A0		
PROIEZIONE	PROIEZIONE	DATA	MATERIALE			N. DESIGNO			A0		
PROIEZIONE	PROIEZIONE	DATA	MATERIALE			N. DESIGNO			A0		

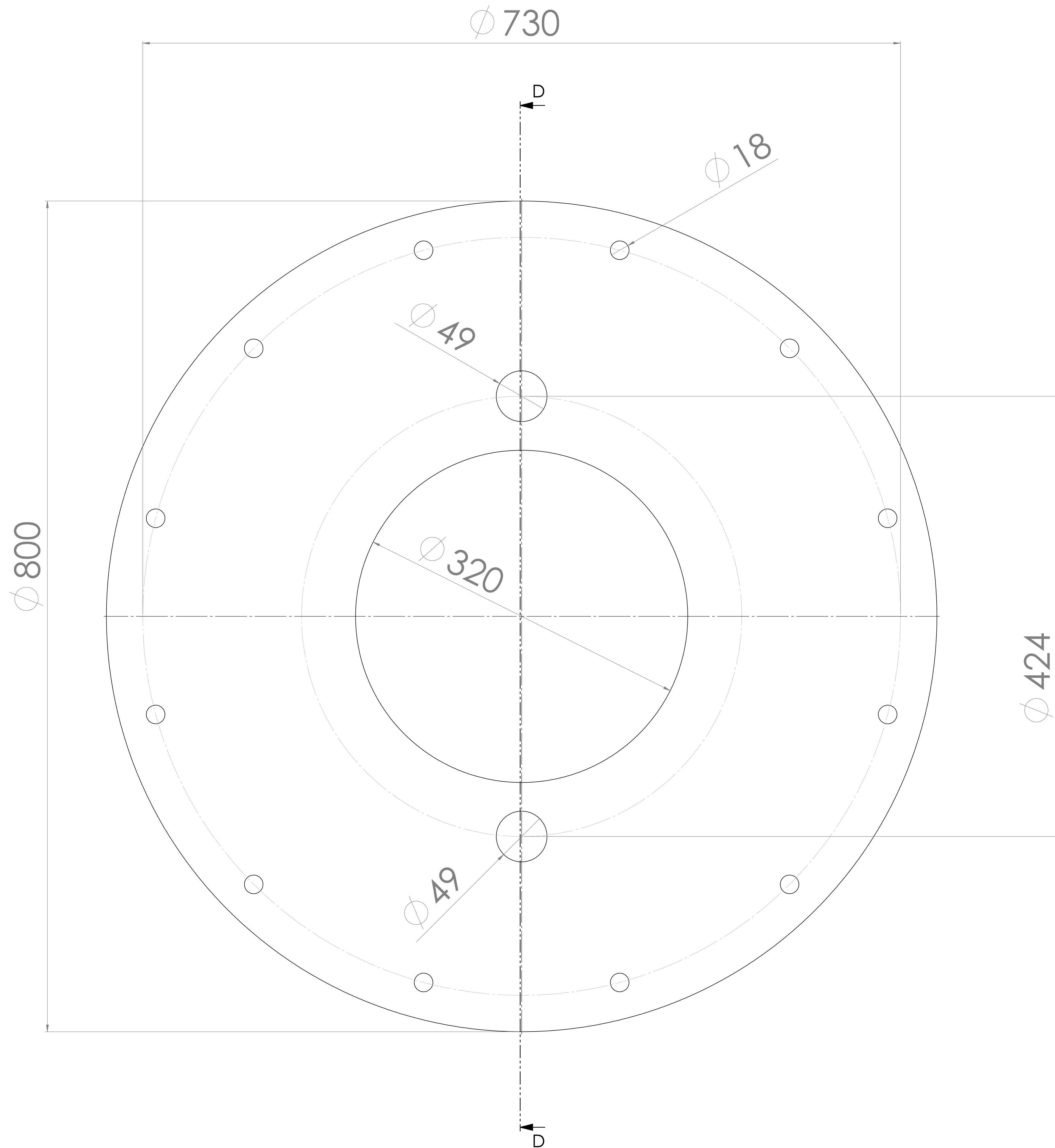
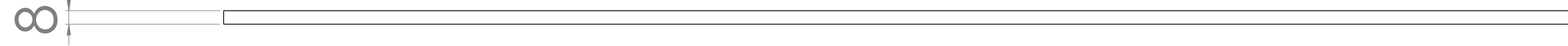


Camera SPES

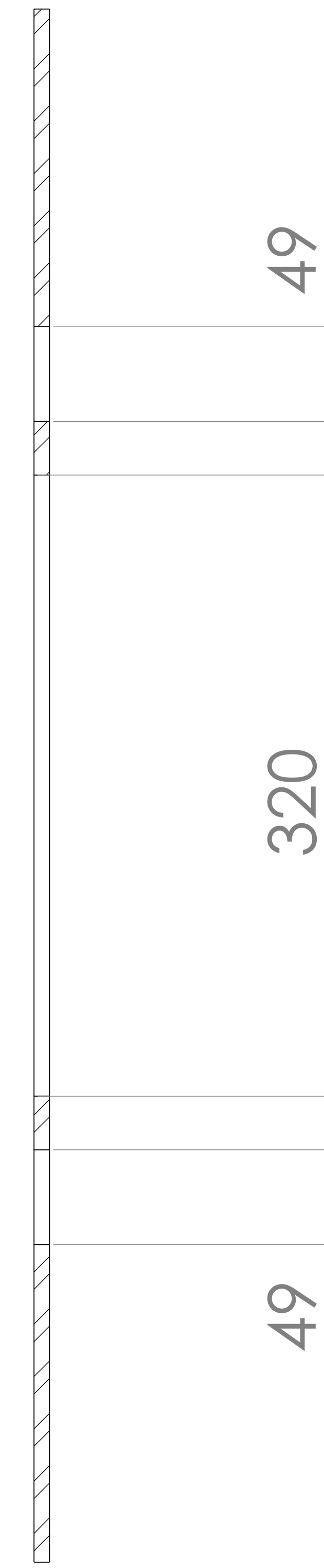
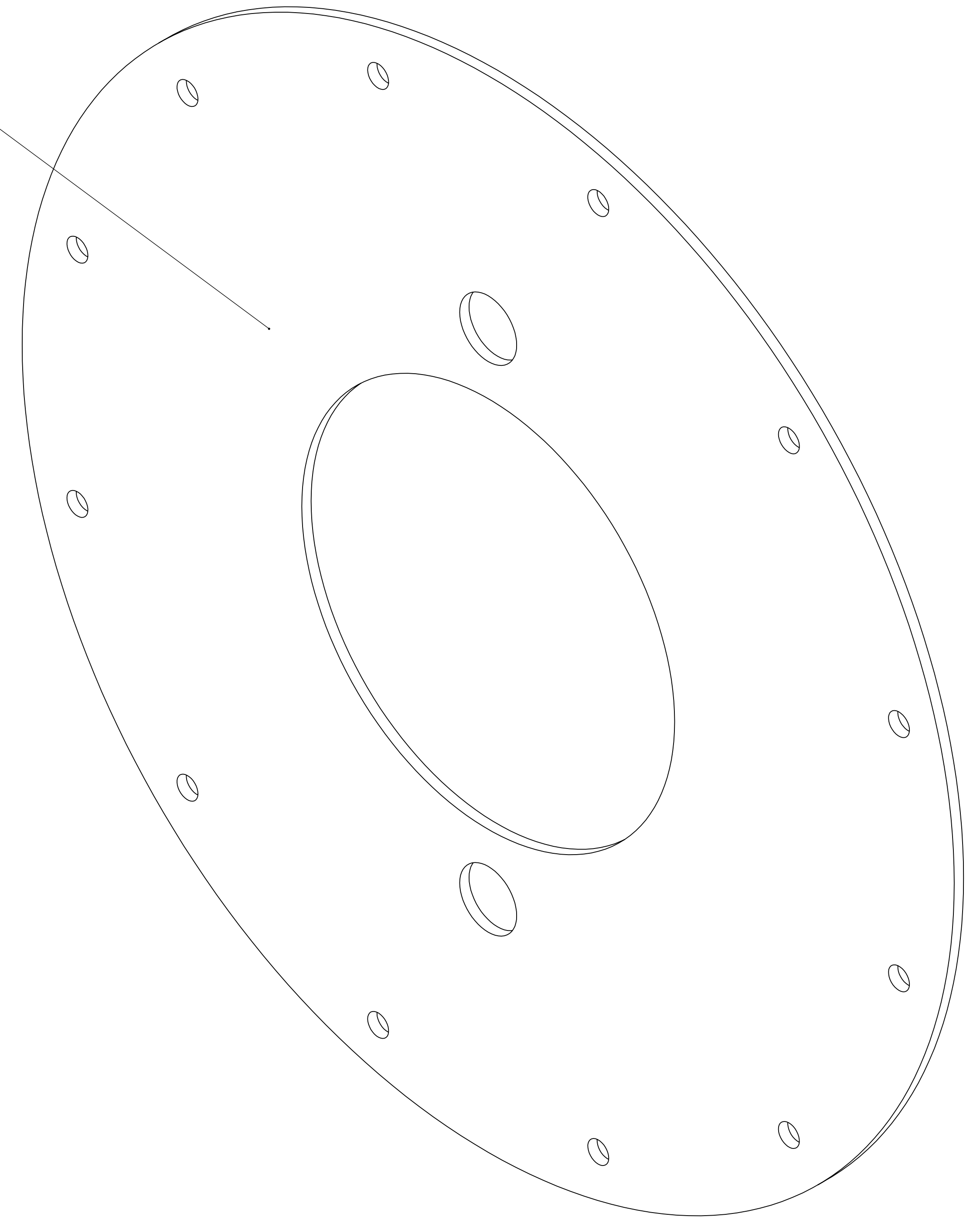
POS.2: Vista esplosa



POS.2.1: 1 pcs



POS.1.2



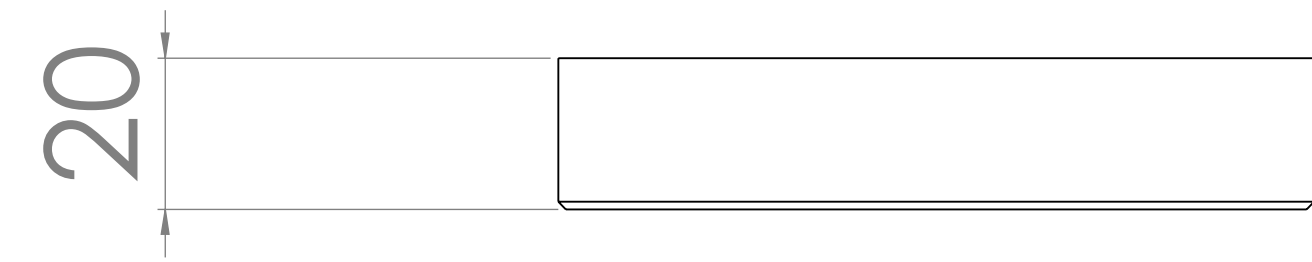
SEZIONE D-D

© NON INFERICAD SOCIETÀ A RESPONSABILITÀ LIMITATA			INTERNA		
TOLLERANZE DIMENSIONI ANGOLI			NON SCALARE DESIGN		
AUTORE			REVISORE		
DATA			TITOLO		
MATERIALE			N. DESIGNO		
FOGGIO (DD/11)			A0		

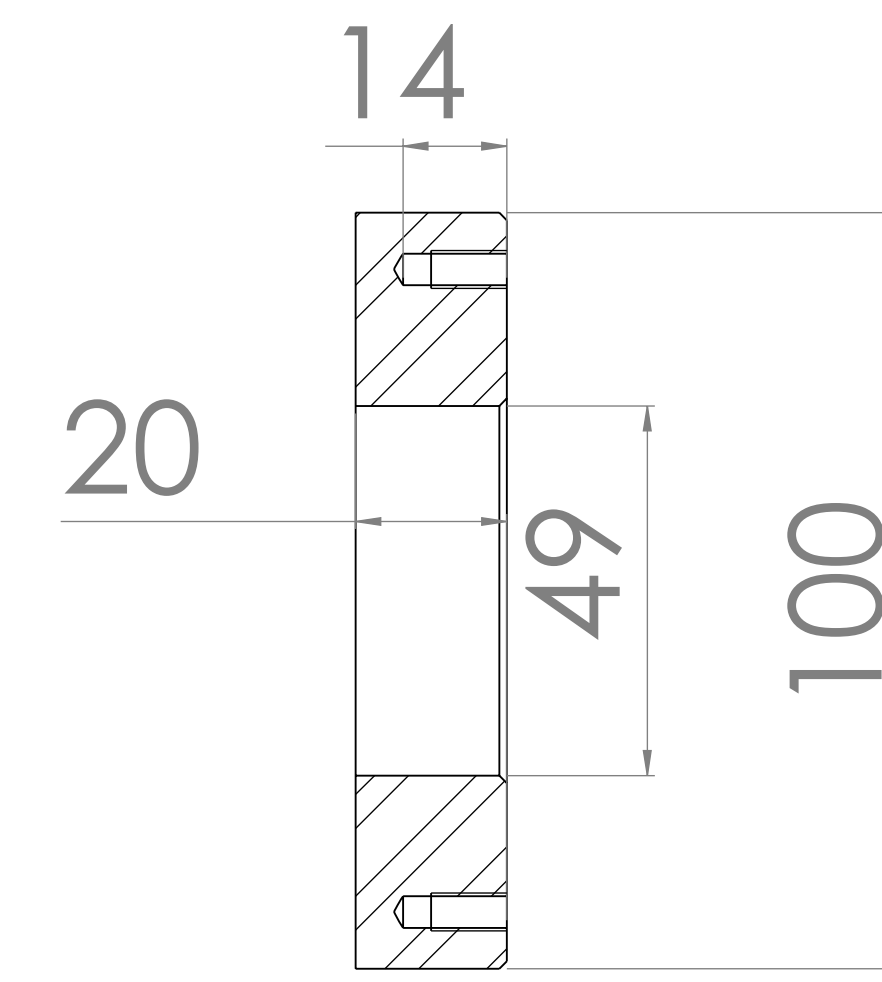
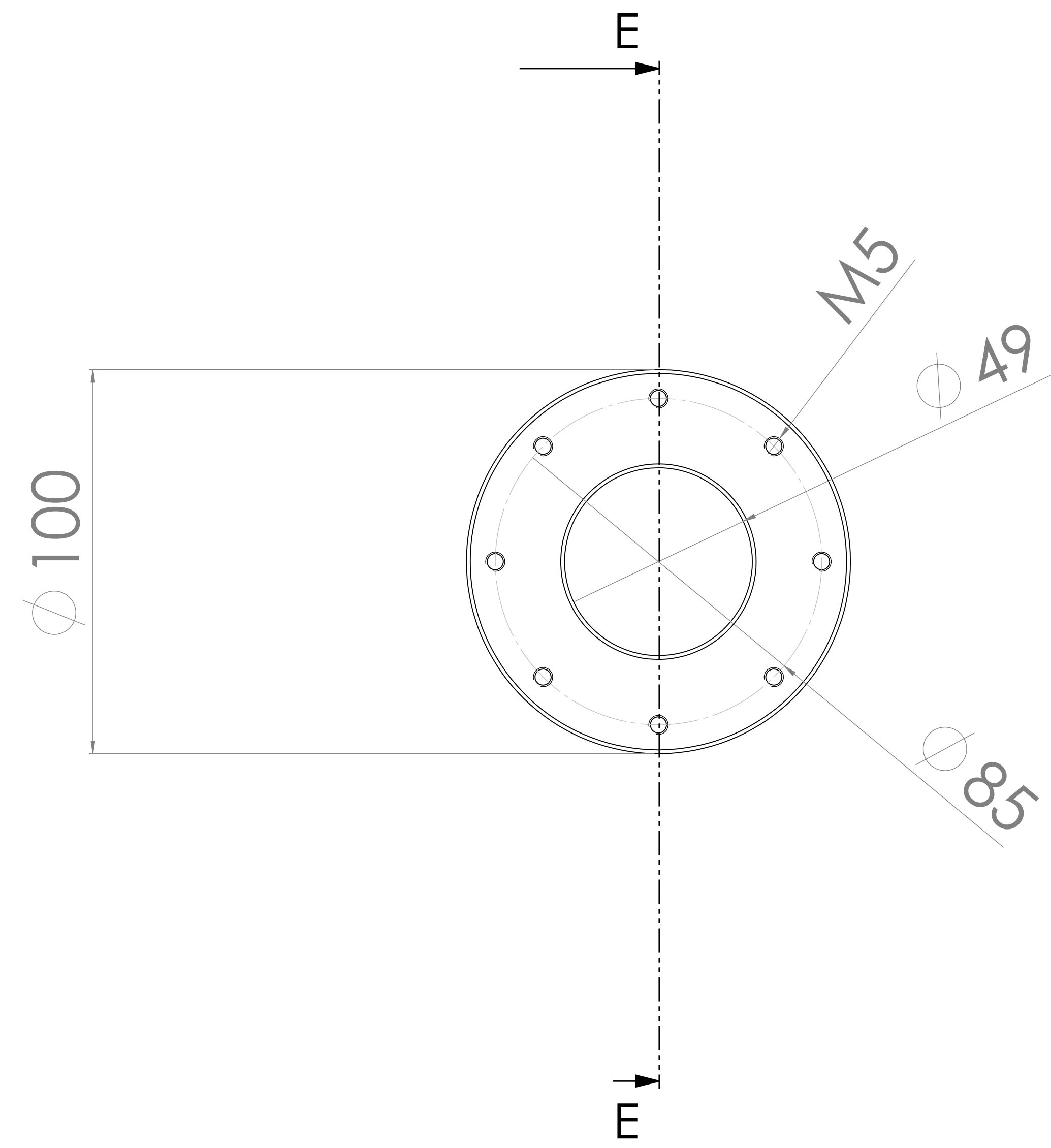
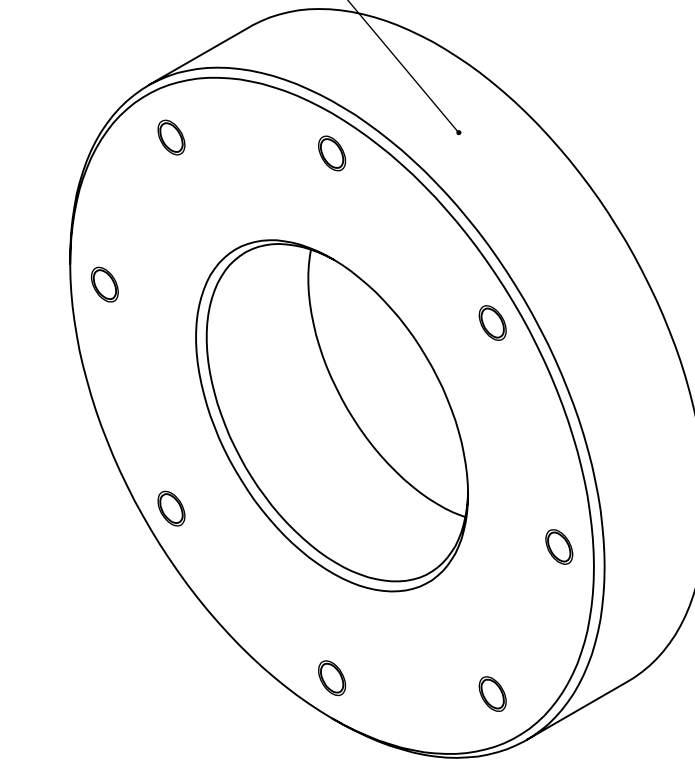


Camera SPES

POS.2.2: 3 pcs



POS.2.2



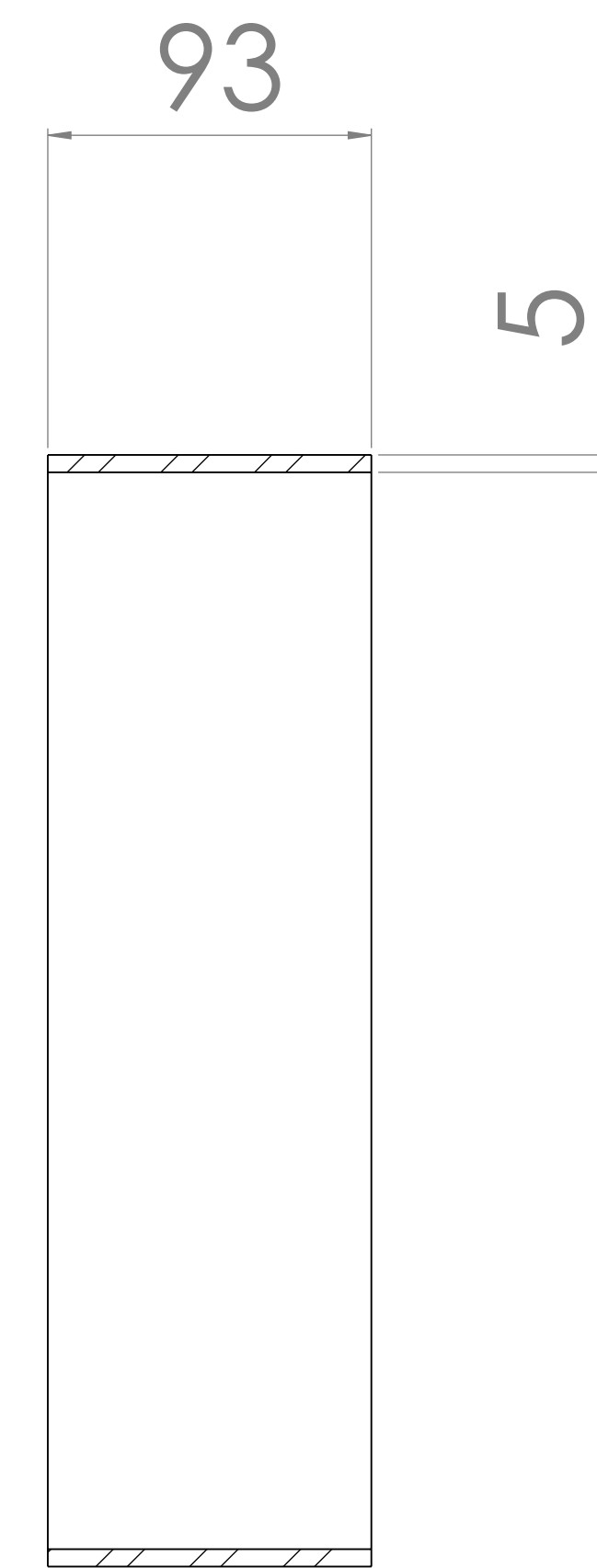
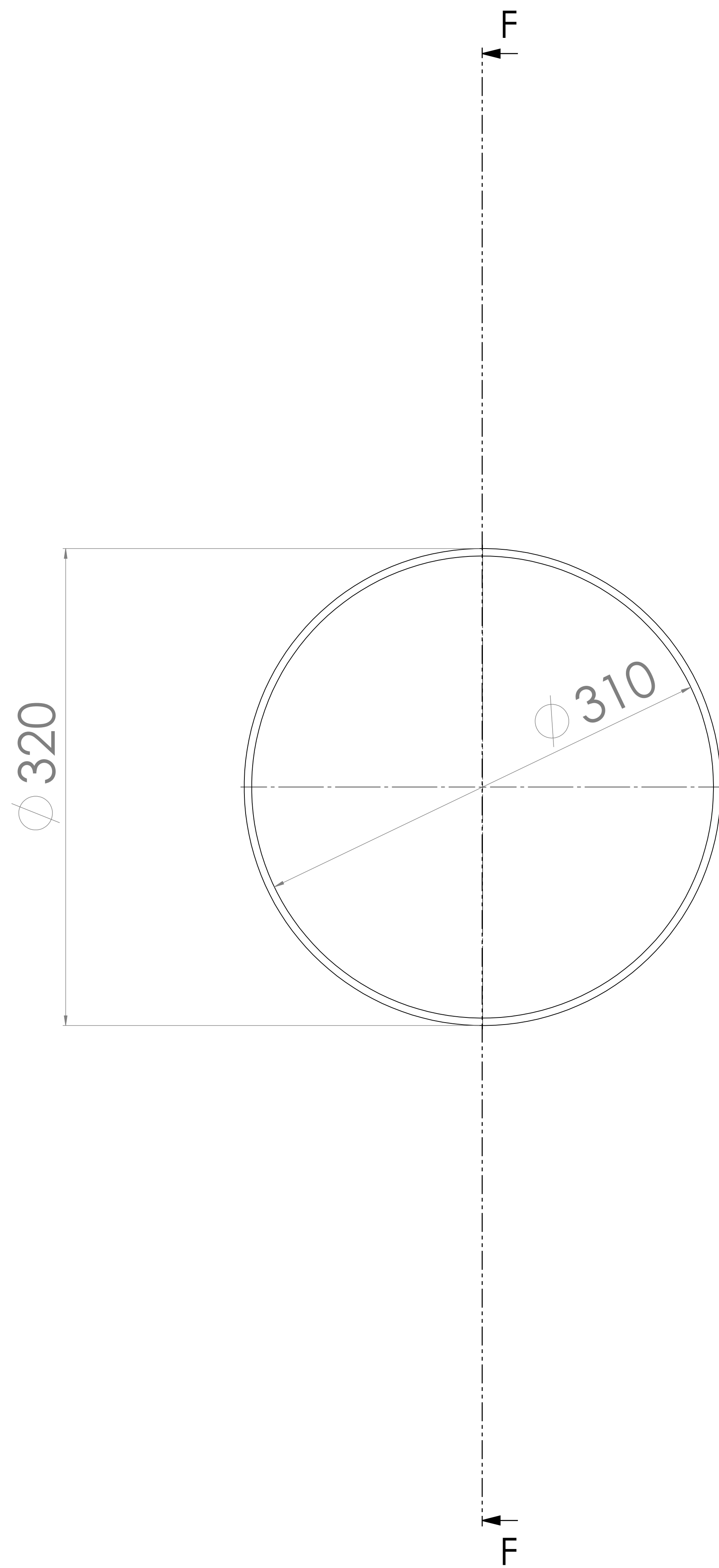
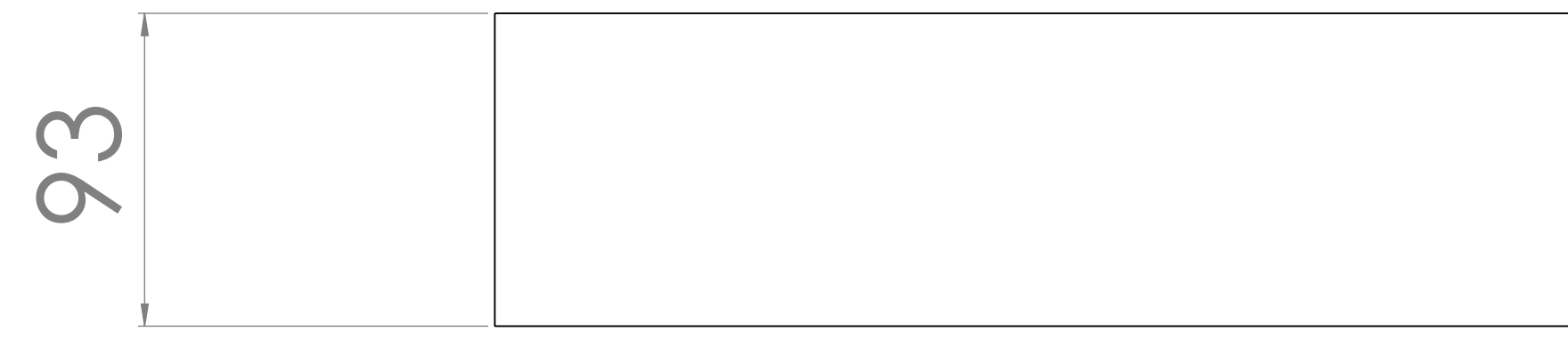
SEZIONE E-E

© NON INFERIRSI QUESTI IN VALORI REVISIONI PROVA			REVISIONI		
AUTORE			REVISIONI		
DATA			DATA		
MATERIALE			MATERIALE		
N. DISEGNO			N. DISEGNO		
SCALARE			SCALARE		
FOGGIO			FOGGIO		
A0			A0		

ASTRA

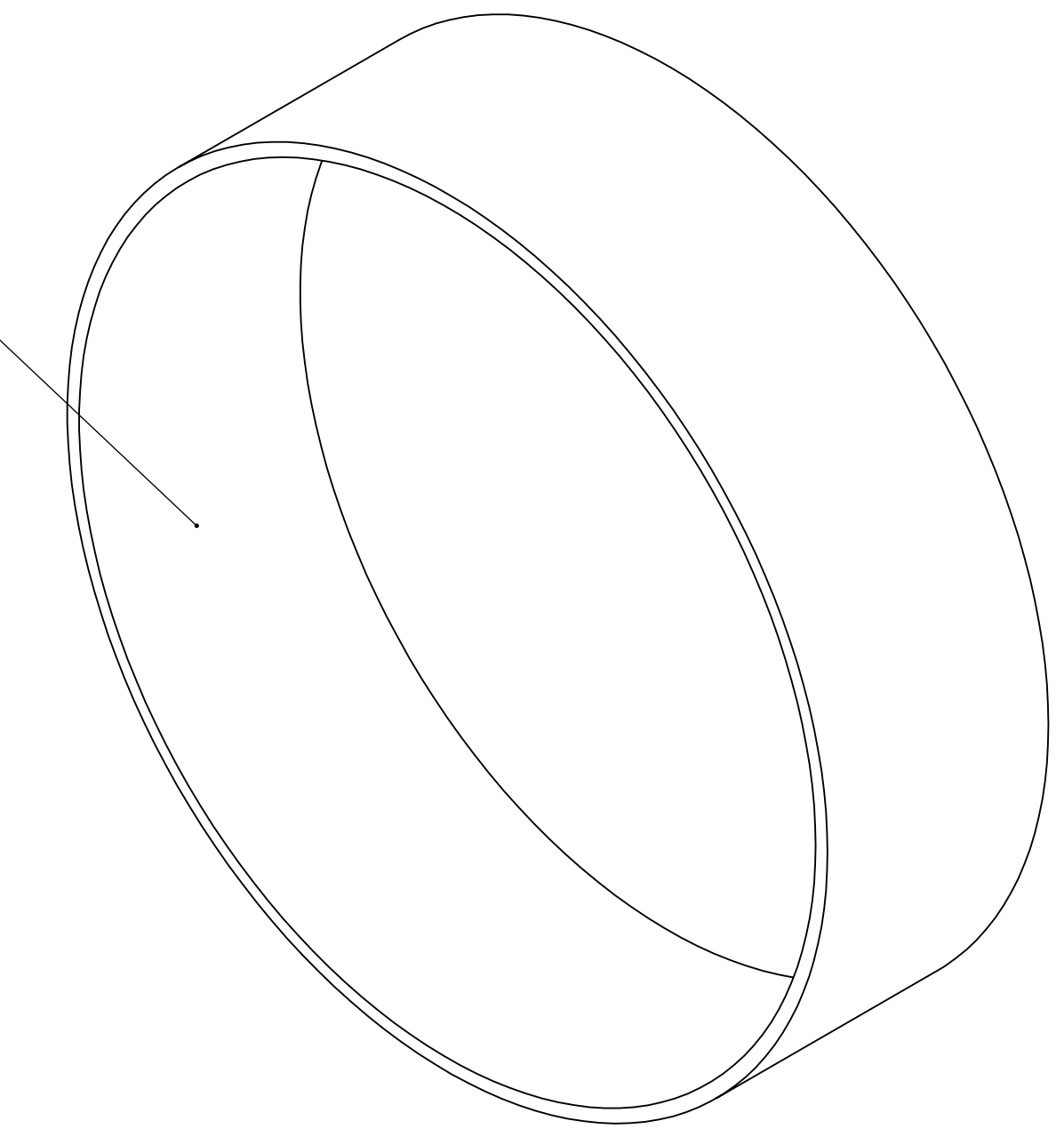
Camera SPES

POS.2.3: 1 pcs



SEZIONE F-F

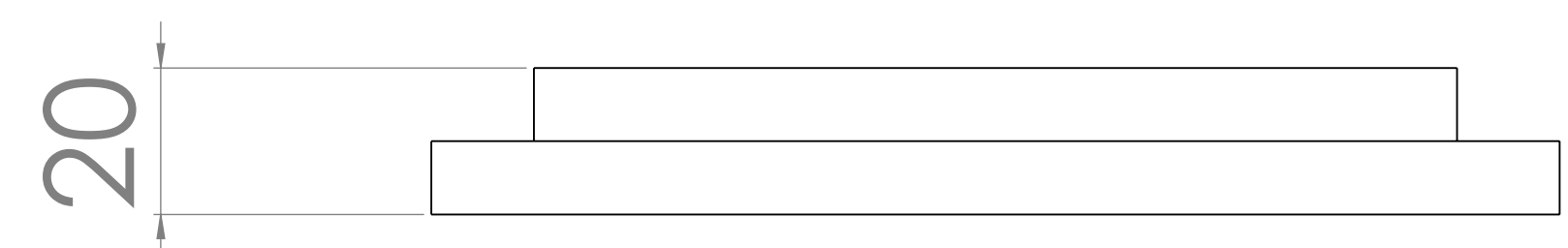
POS.2.3



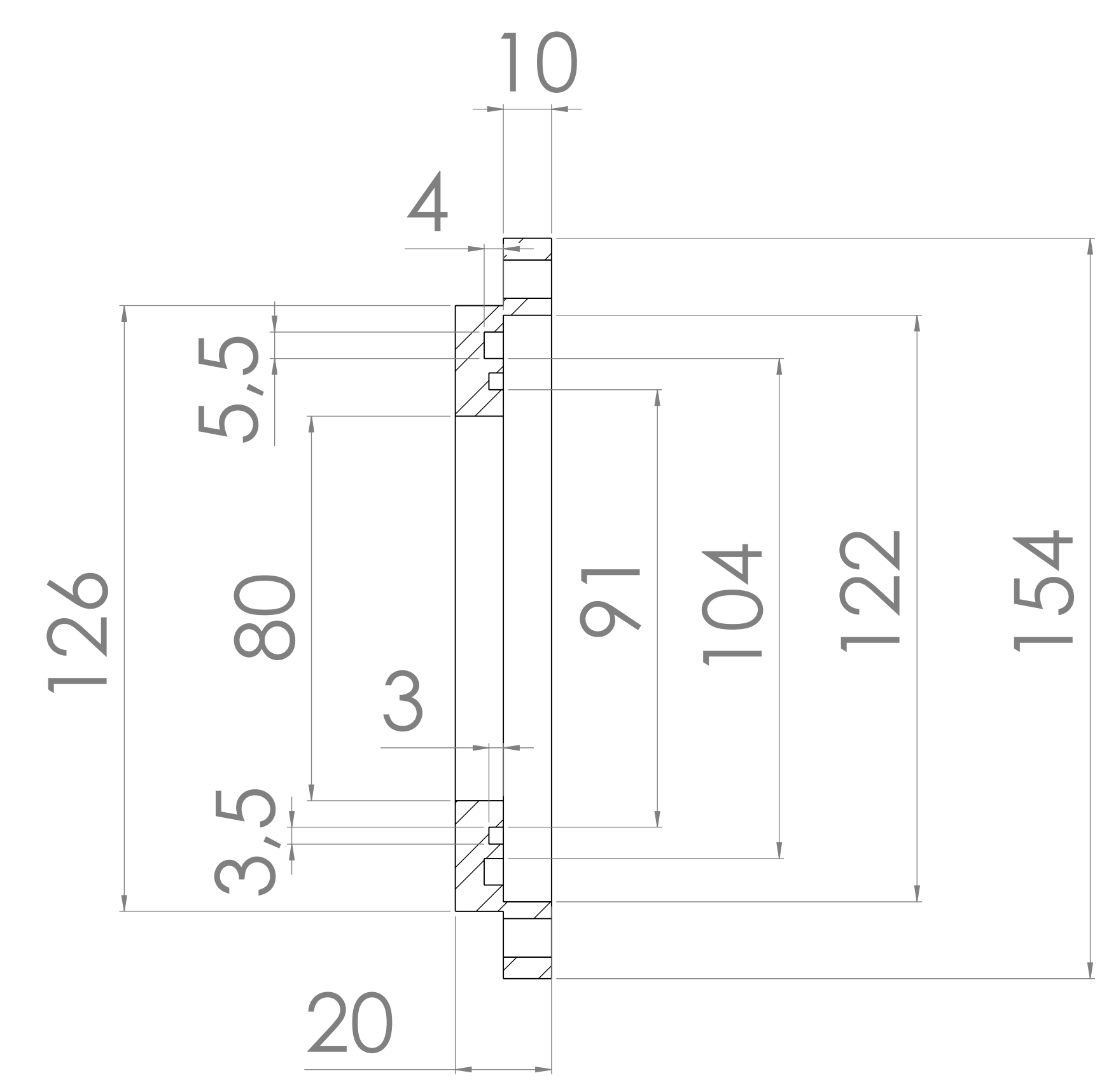
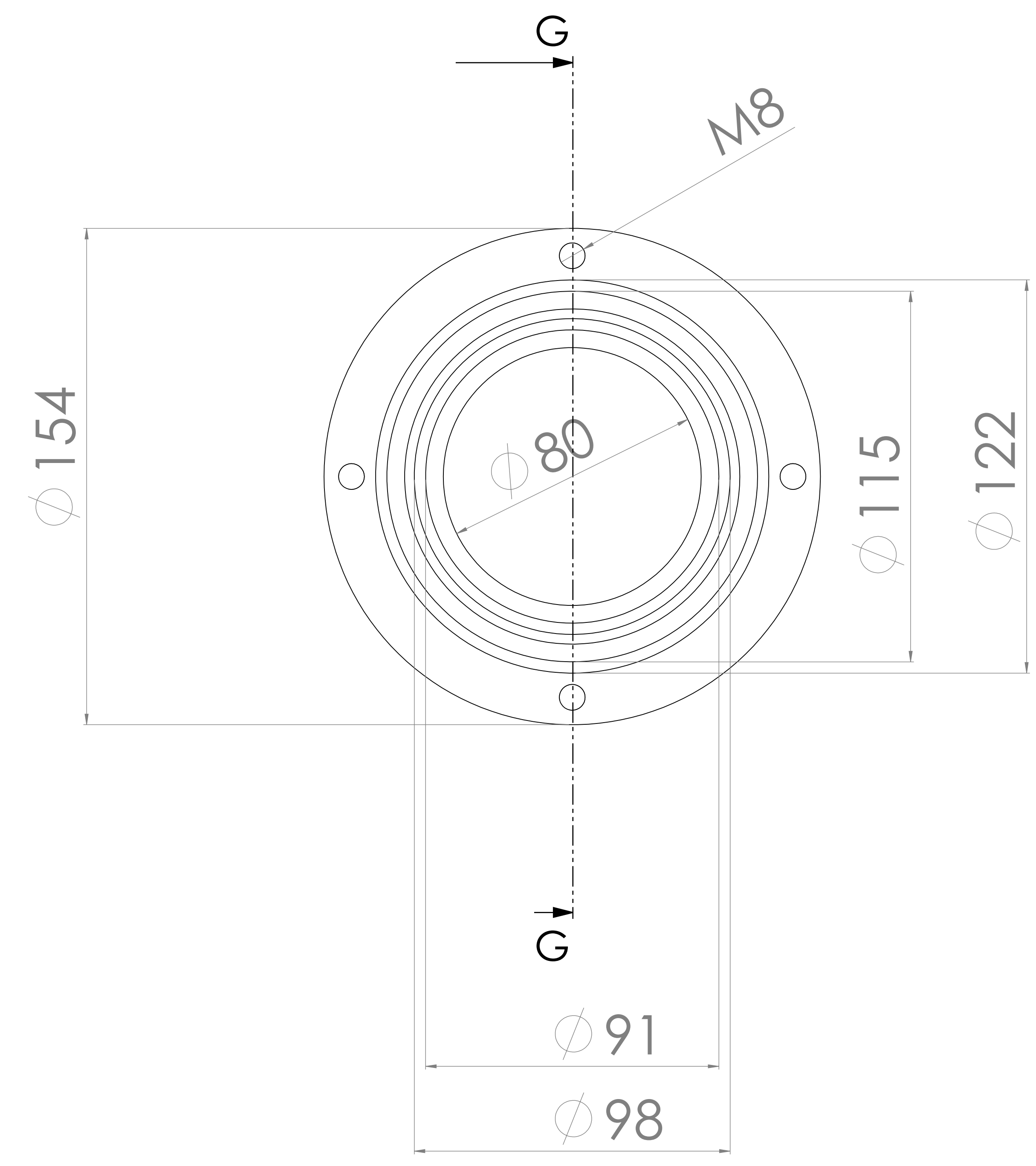
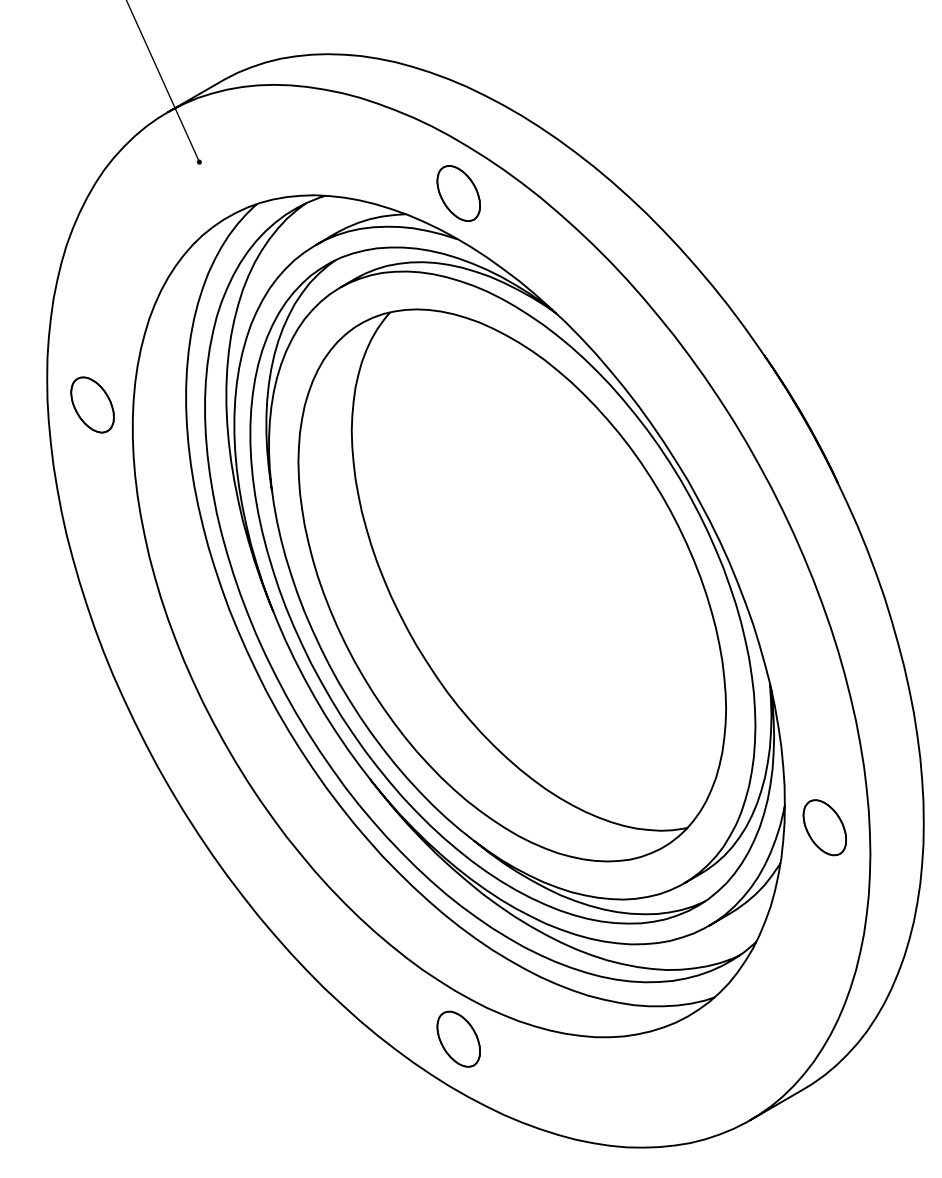
© NON PROIBIAMO QUESTO N. NELLE REDAZIONE MATERIALE			INTERNA		NON SCALARE DESIGN		REVISIONE	
AUTORE:			DATA:		VOLUME:		N. DESIGNO	
PROGETTO:			MATERIALE:		SCALARE		FOGGIO 2019	
DESCRIZIONE:			N. DESIGNO		A0			
MATERIALE:			N. DESIGNO		A0			

Camera SPES

POS.2.4: 1 pcs



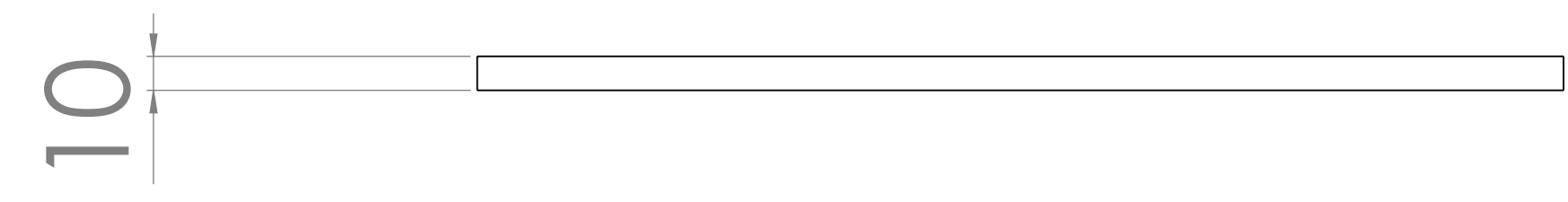
POS.2.4



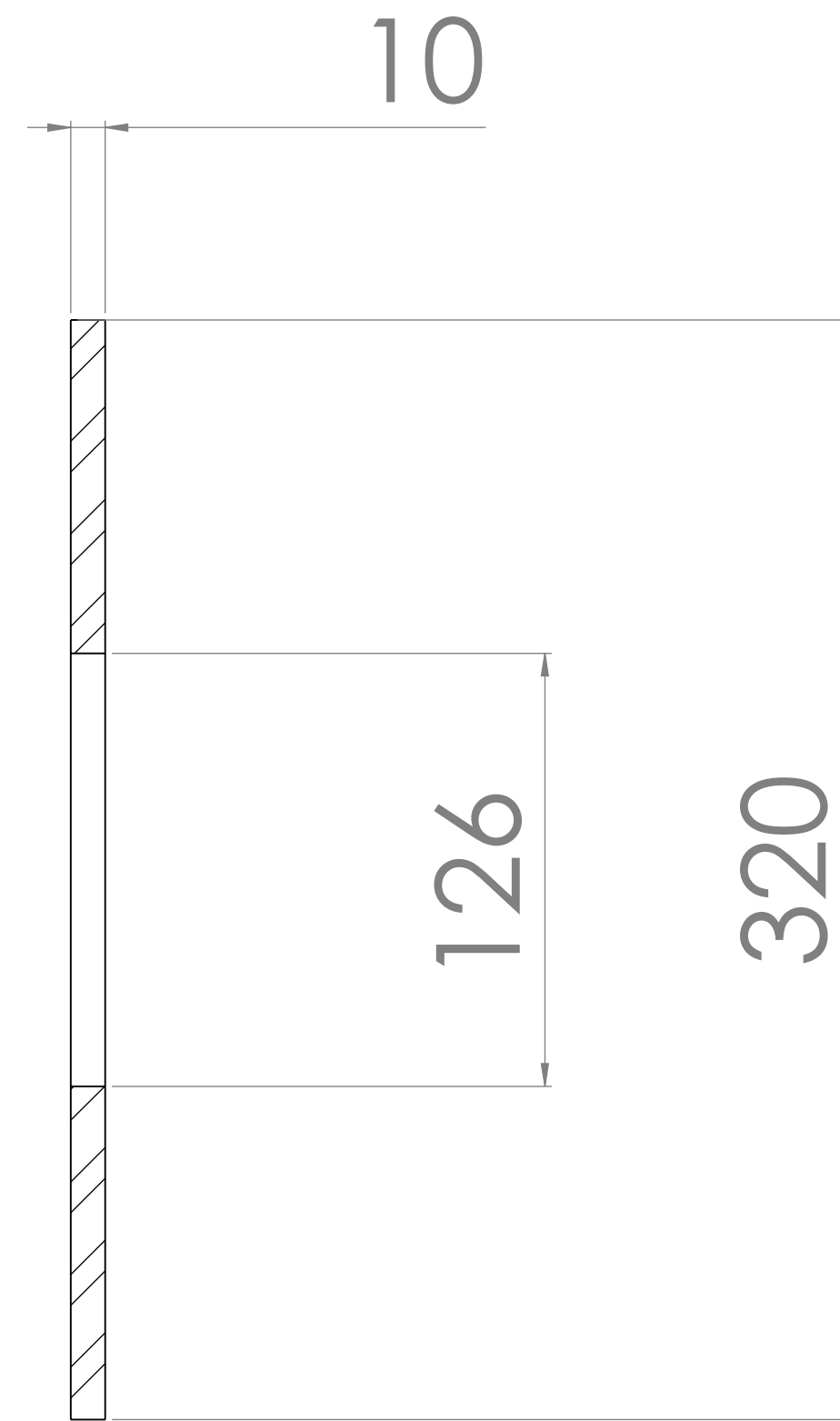
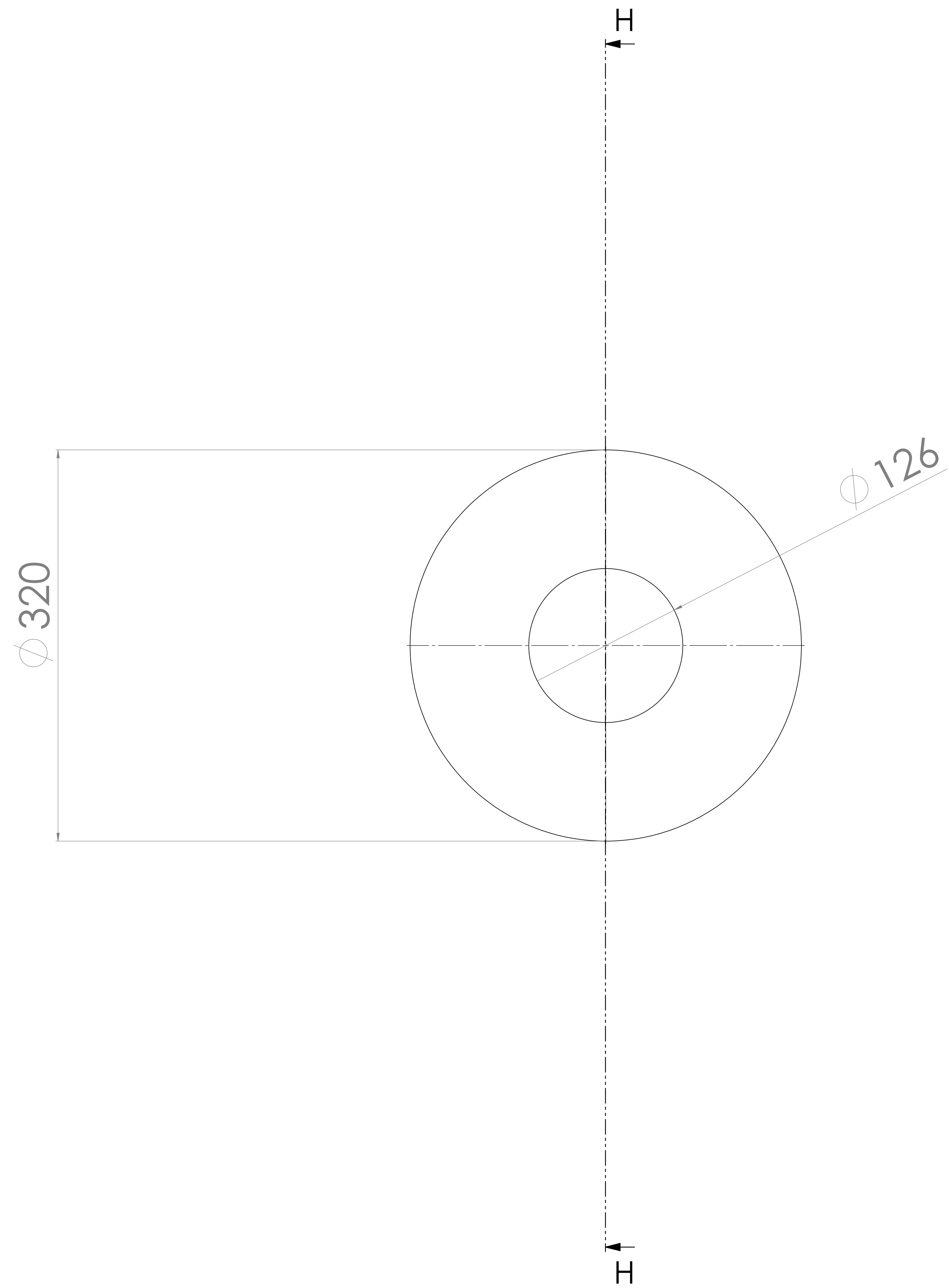
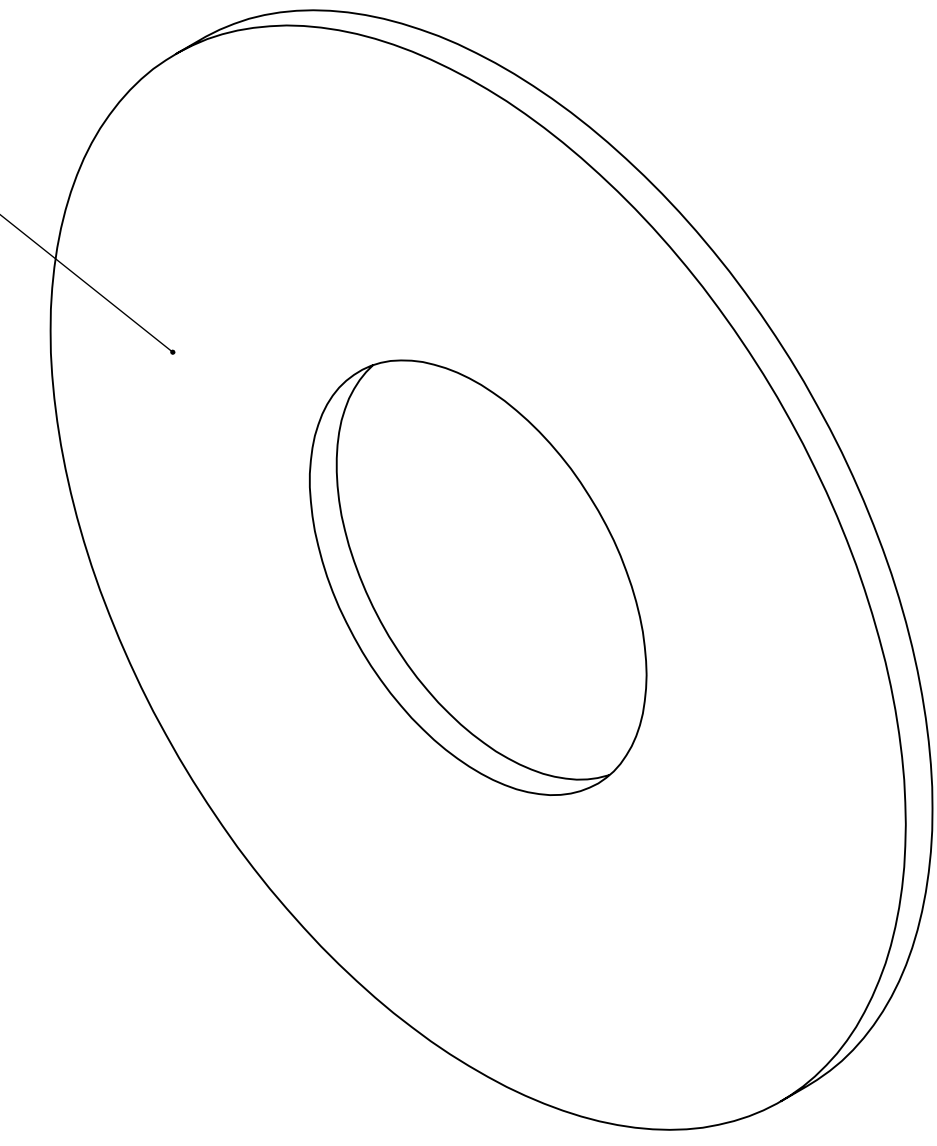
SEZIONE G-G

© NON PUBLICANDO QUESTO N. NELLE REDAZIONE INFORMAZIONE			INTERNA			NON SCALARE DESIGN			REVISIONE		
DISEGNO: VERB. APP. FABR. DATA:			FIRMA:			DATA:			TITOLO: Camera SPES		
MATERIALE:			N. DISEGNO:			SCALARE:			FOGLIO 1/3		
A0											

POS.2.5: 1 pcs




POS.2.5



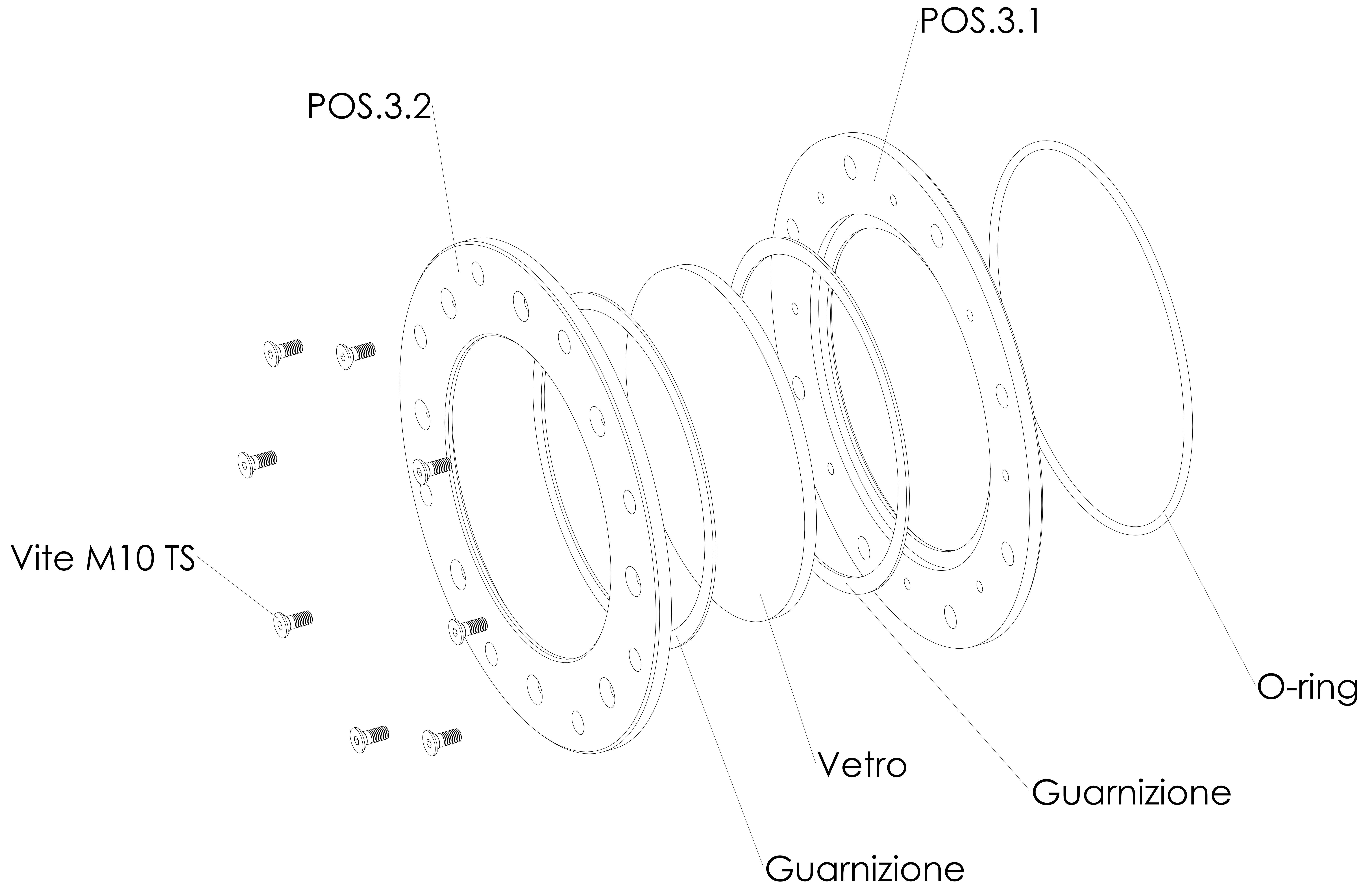
SEZIONE H-H

© NON INFERIRSI QUESTI IN VALORI REVISIONI PROVA PROVA			INTERNA		
NON SCALESE DESIGN			REVISIONE		
VOTO			Camera SPES		
N. DESIGNO			A0		
SCALATI			FOGGIO 14/01/19		

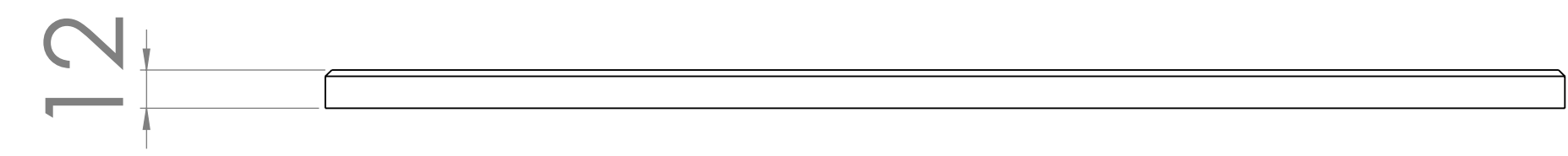


ASTRA

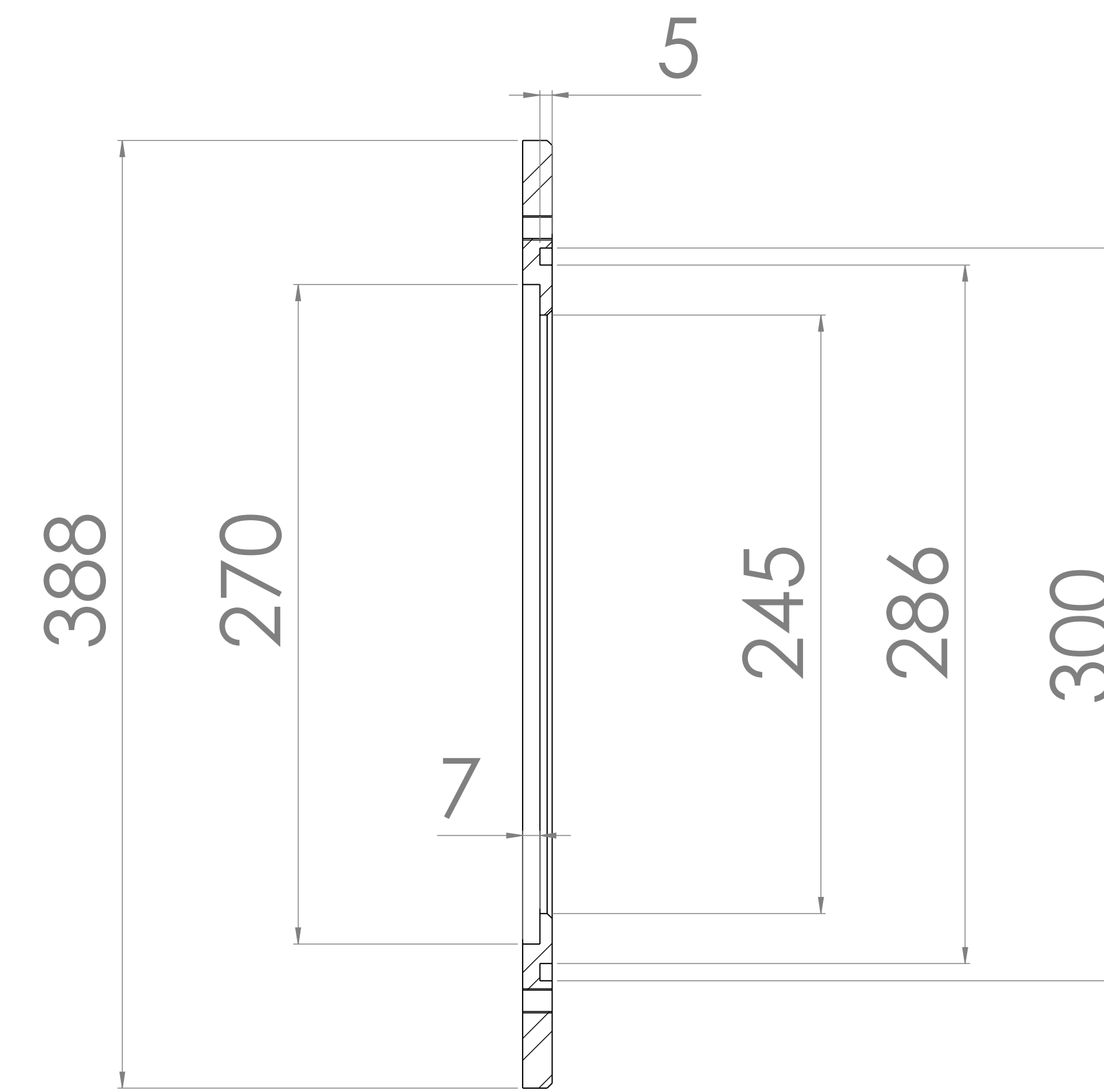
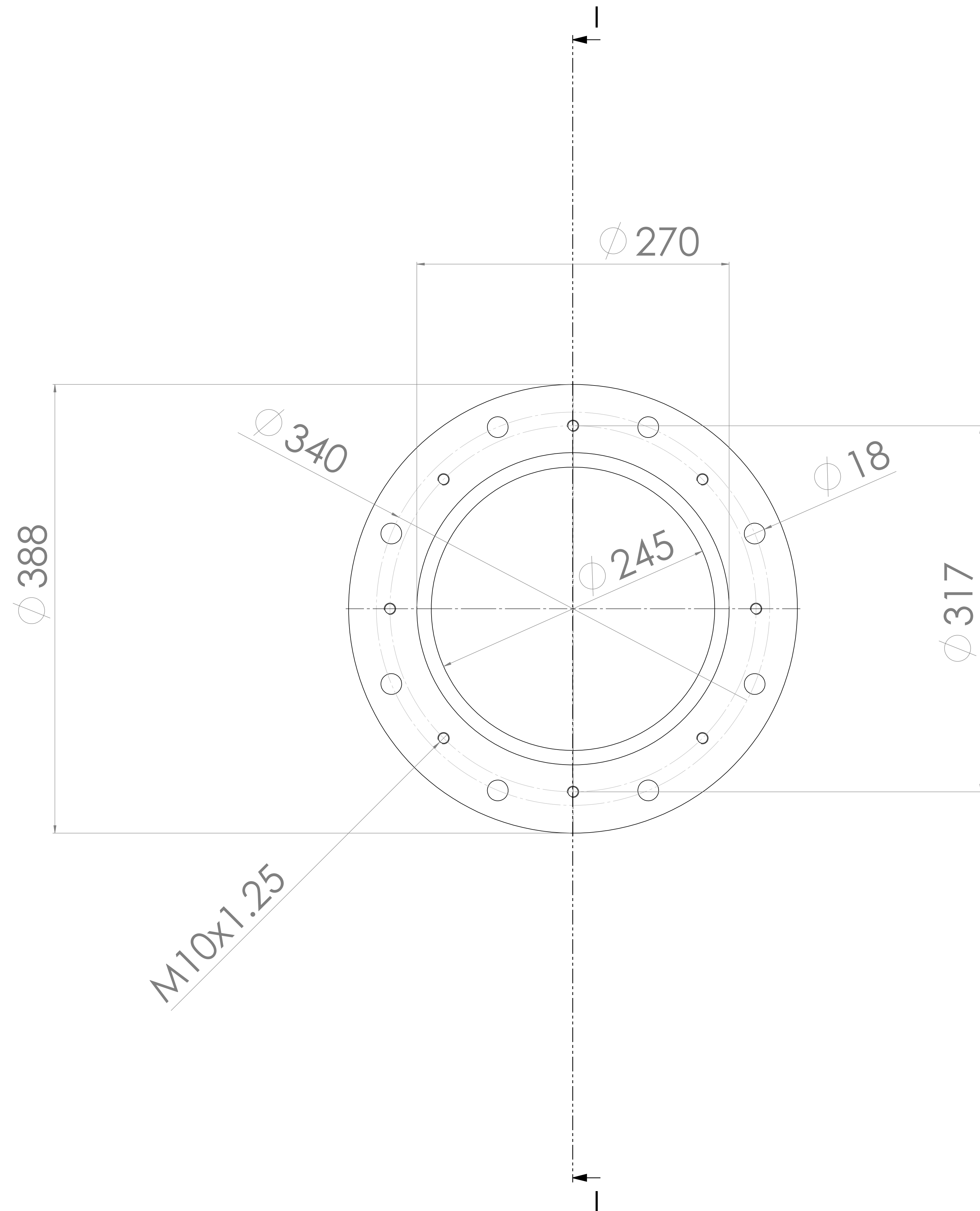
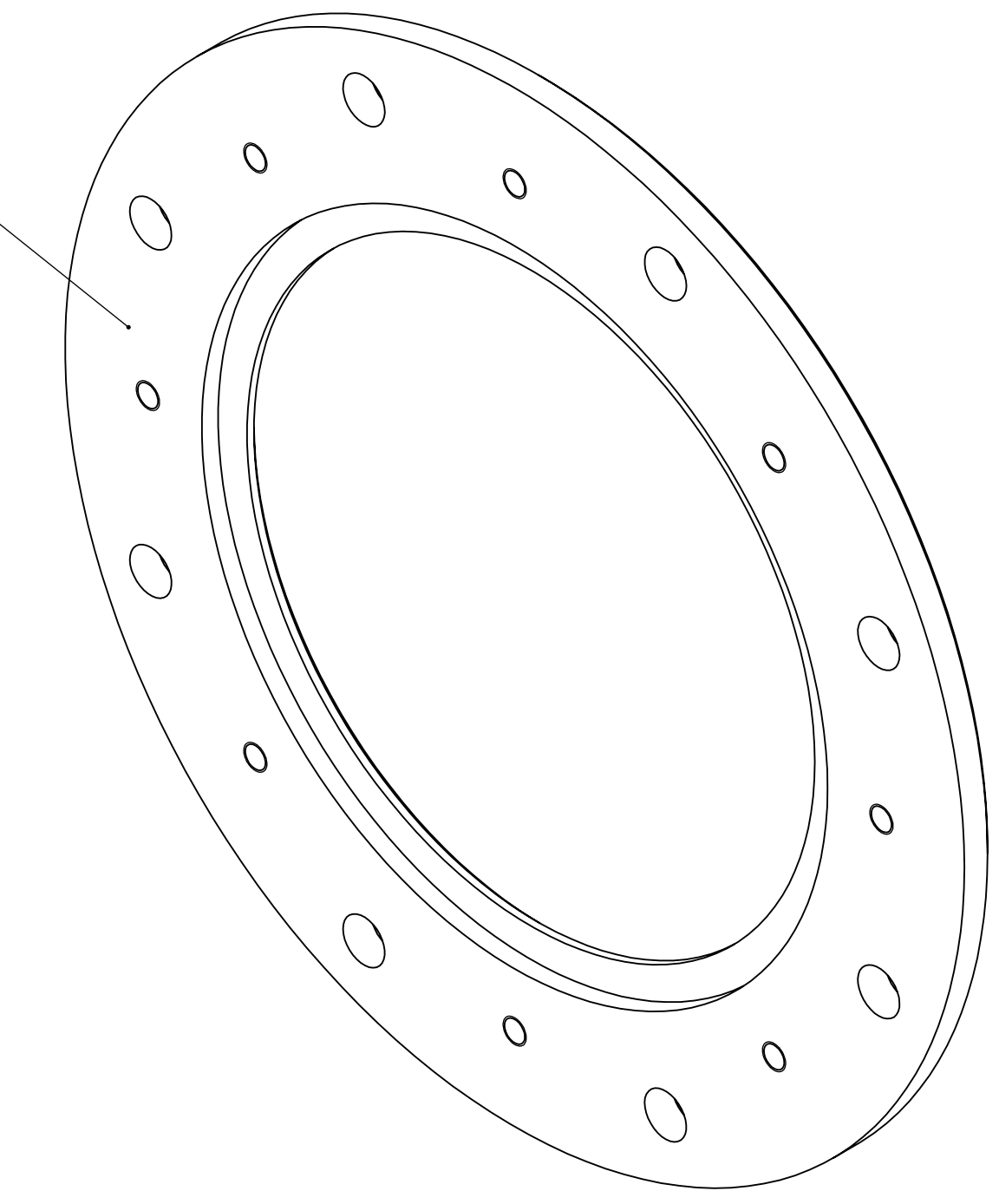
POS.3: Vista esplosa



POS.3.1: 2 pcs



POS.3.1

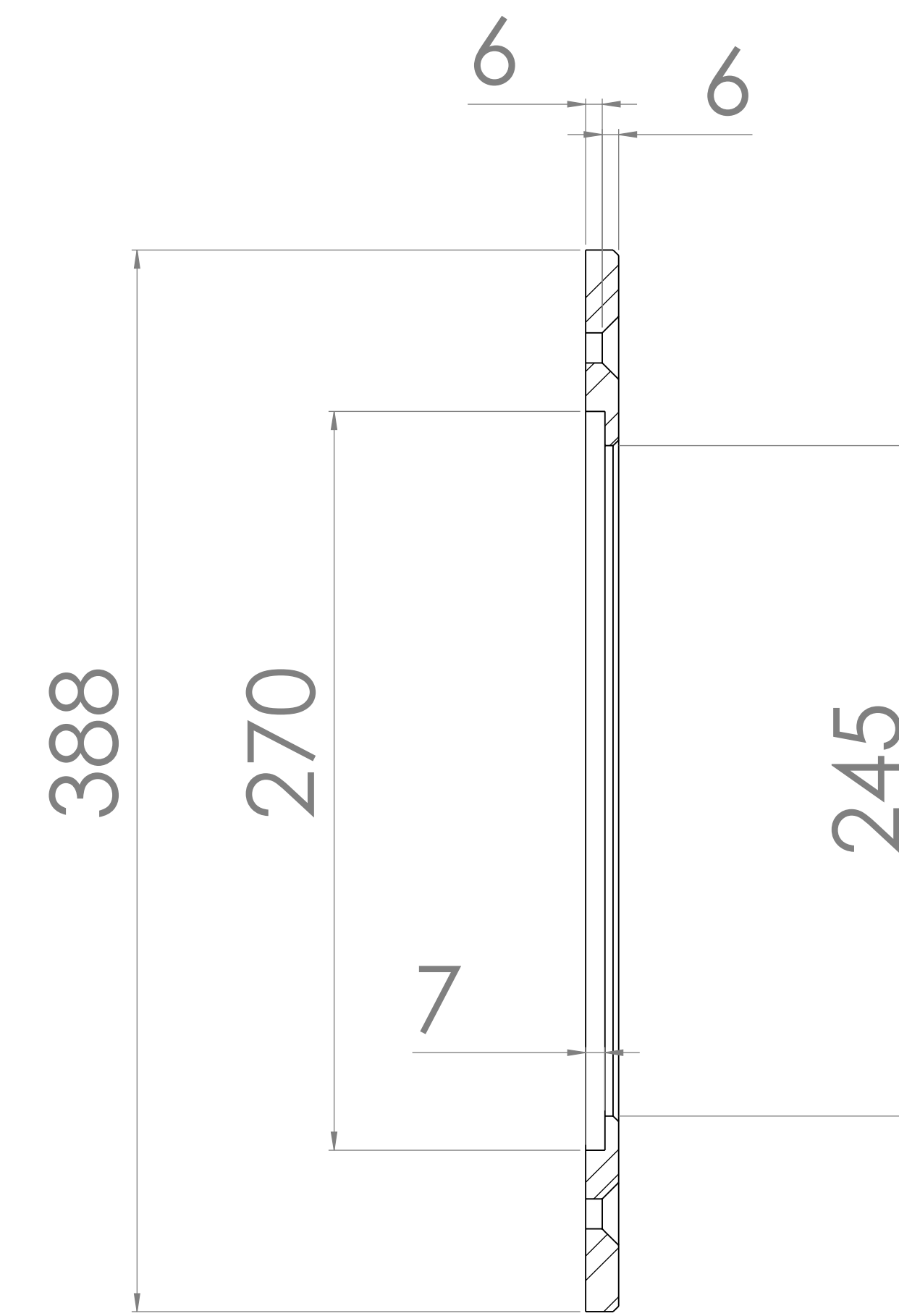
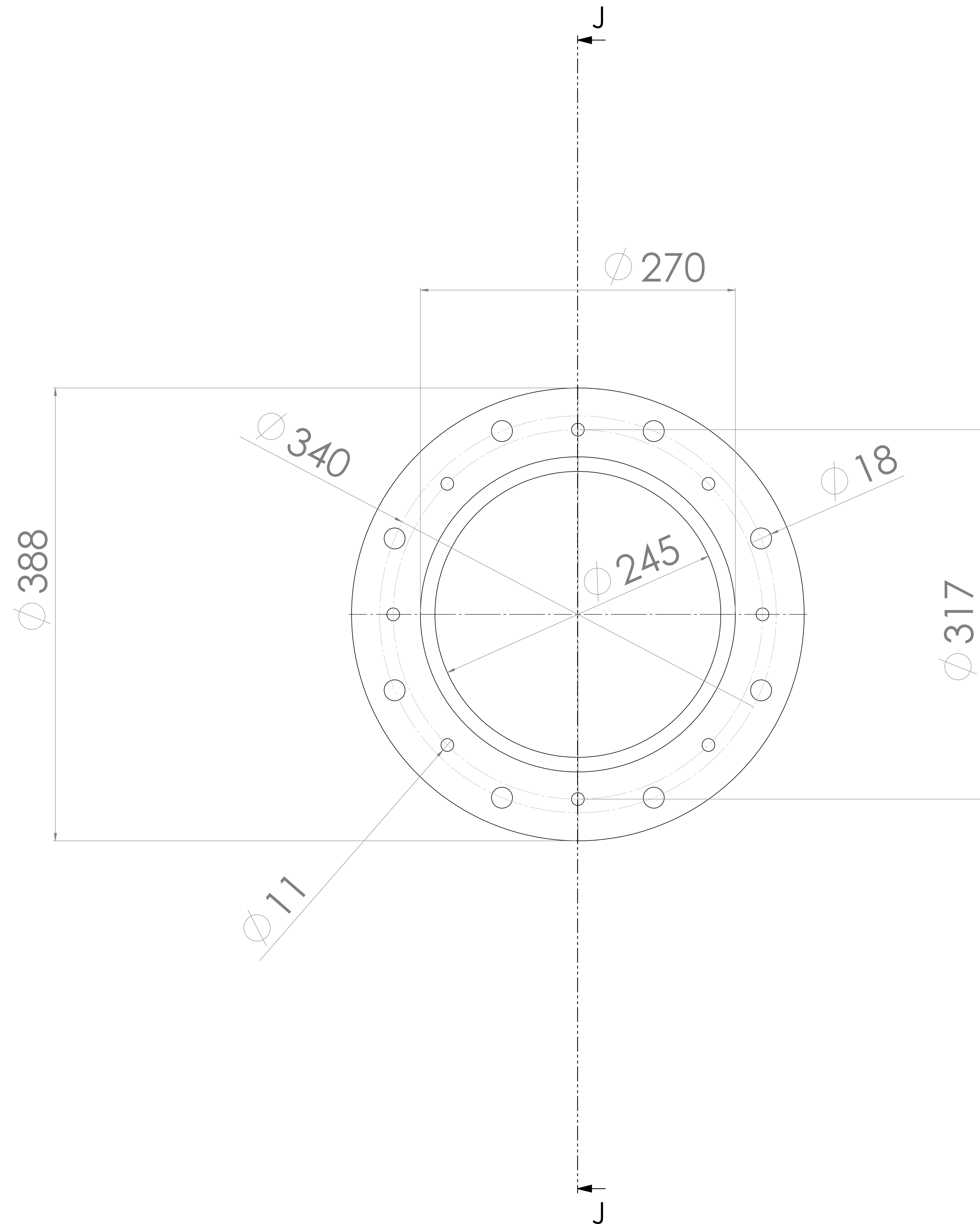
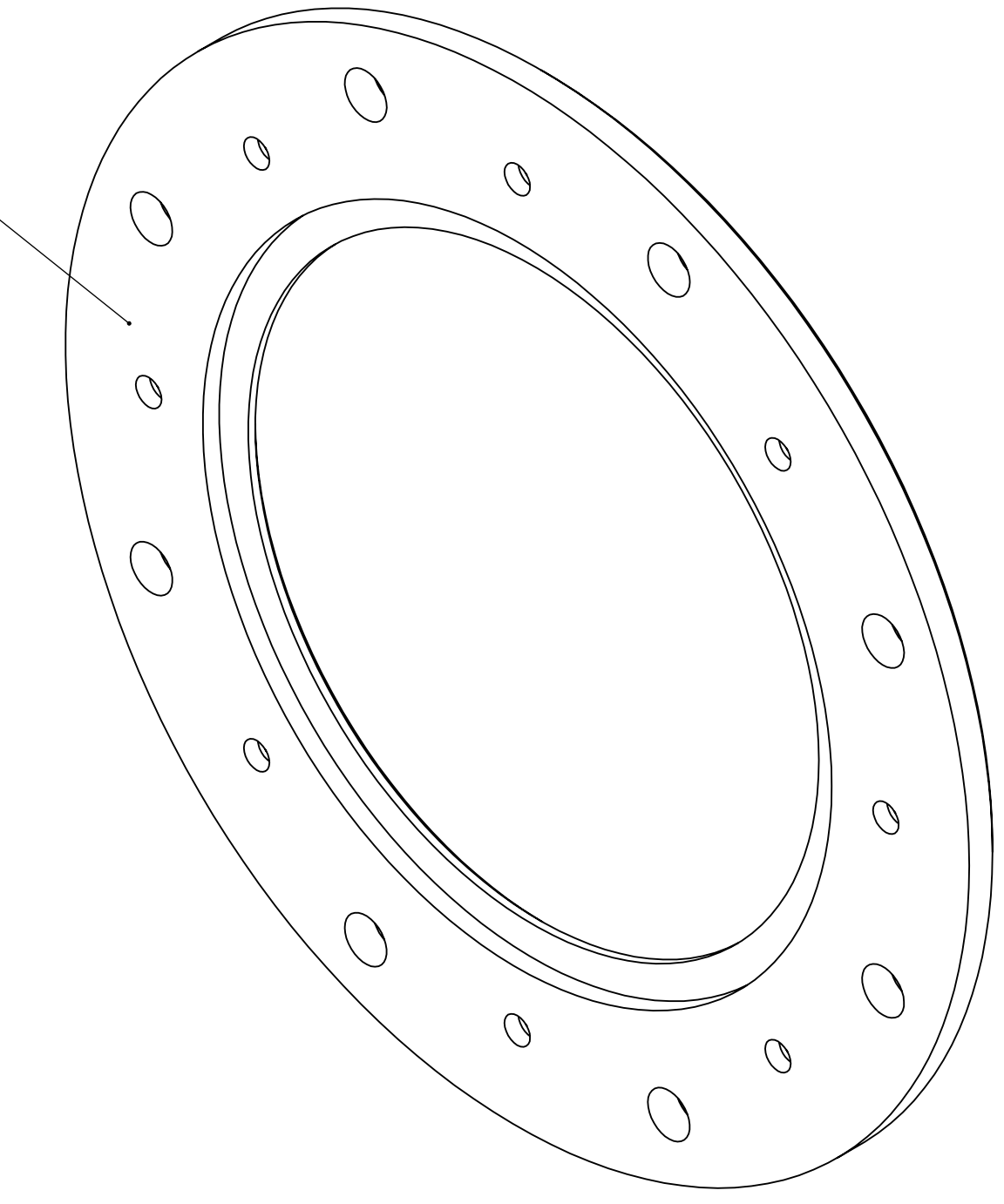


SEZIONE I-I

POS.3.2: 2 pcs

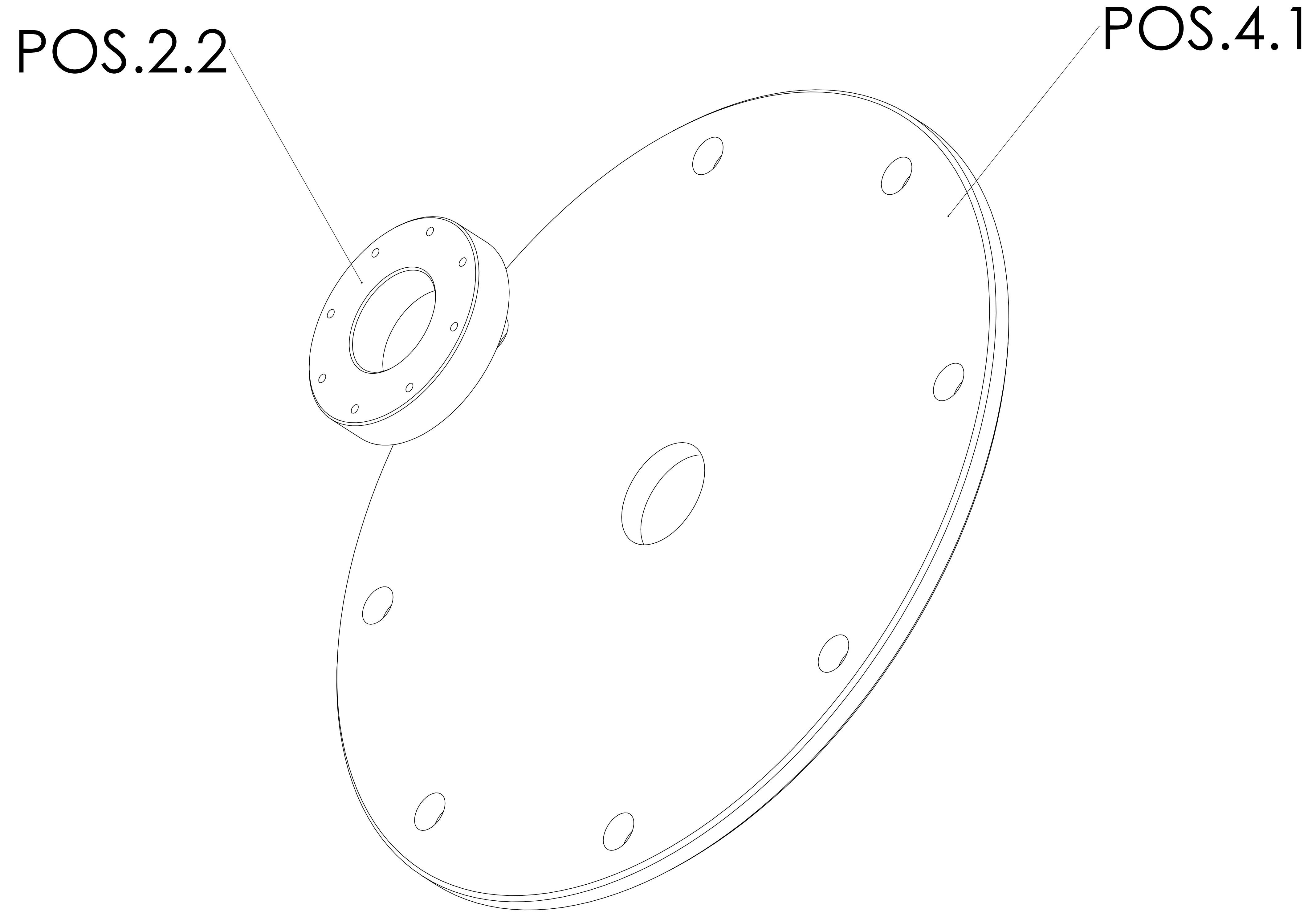


POS.3.1



SEZIONE J-J

POS.4: Vista esplosa



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TOLLERANZE DIMENSIONI PROIEZIONI			NON SCALARE DESIGN		
AUTORE:			REVISORE:		
DATA:			DATA:		
PROVA:			PROVA:		
MATERIALE:			MATERIALE:		
N. DESIGN:			N. DESIGN:		
SCALARE:			SCALARE:		
FOGLIO:			FOGLIO:		

ASTRA

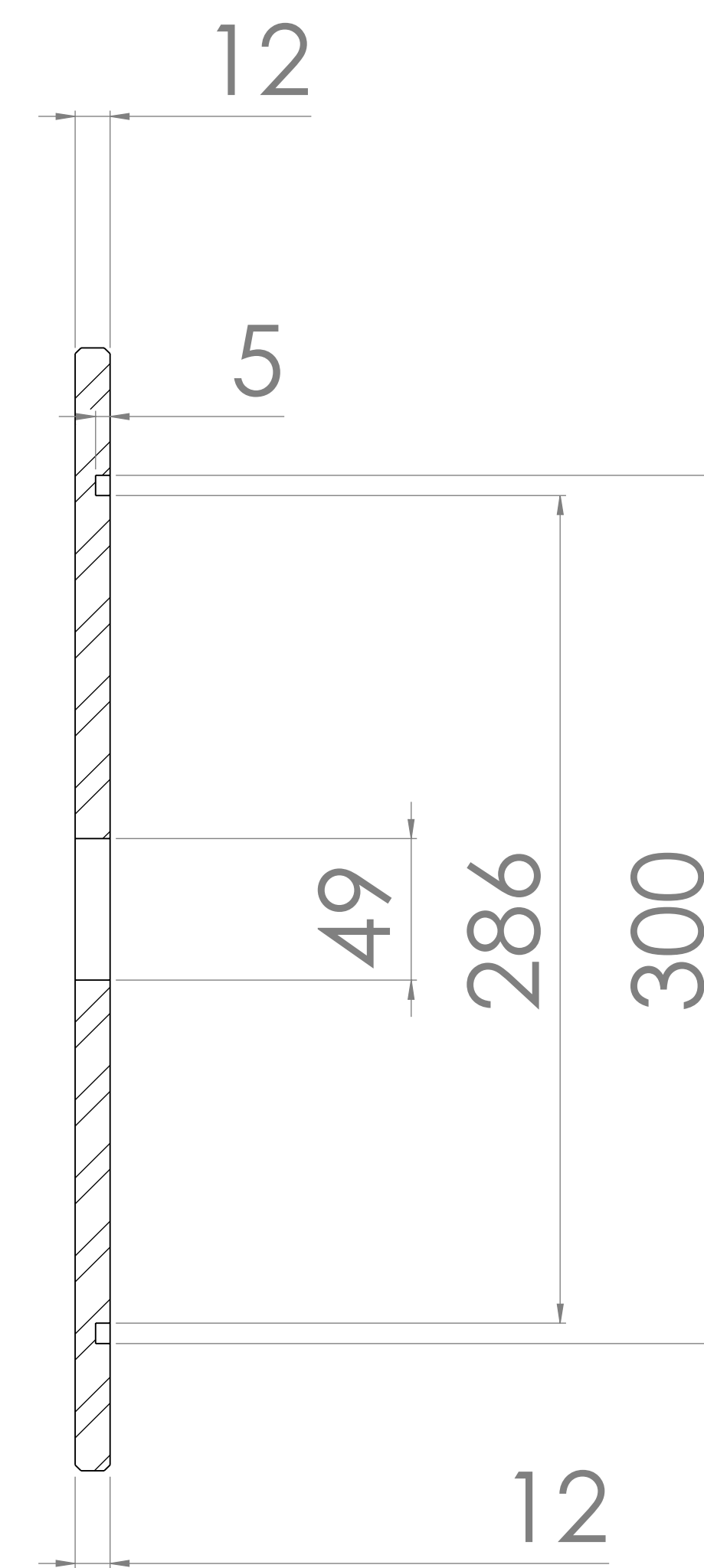
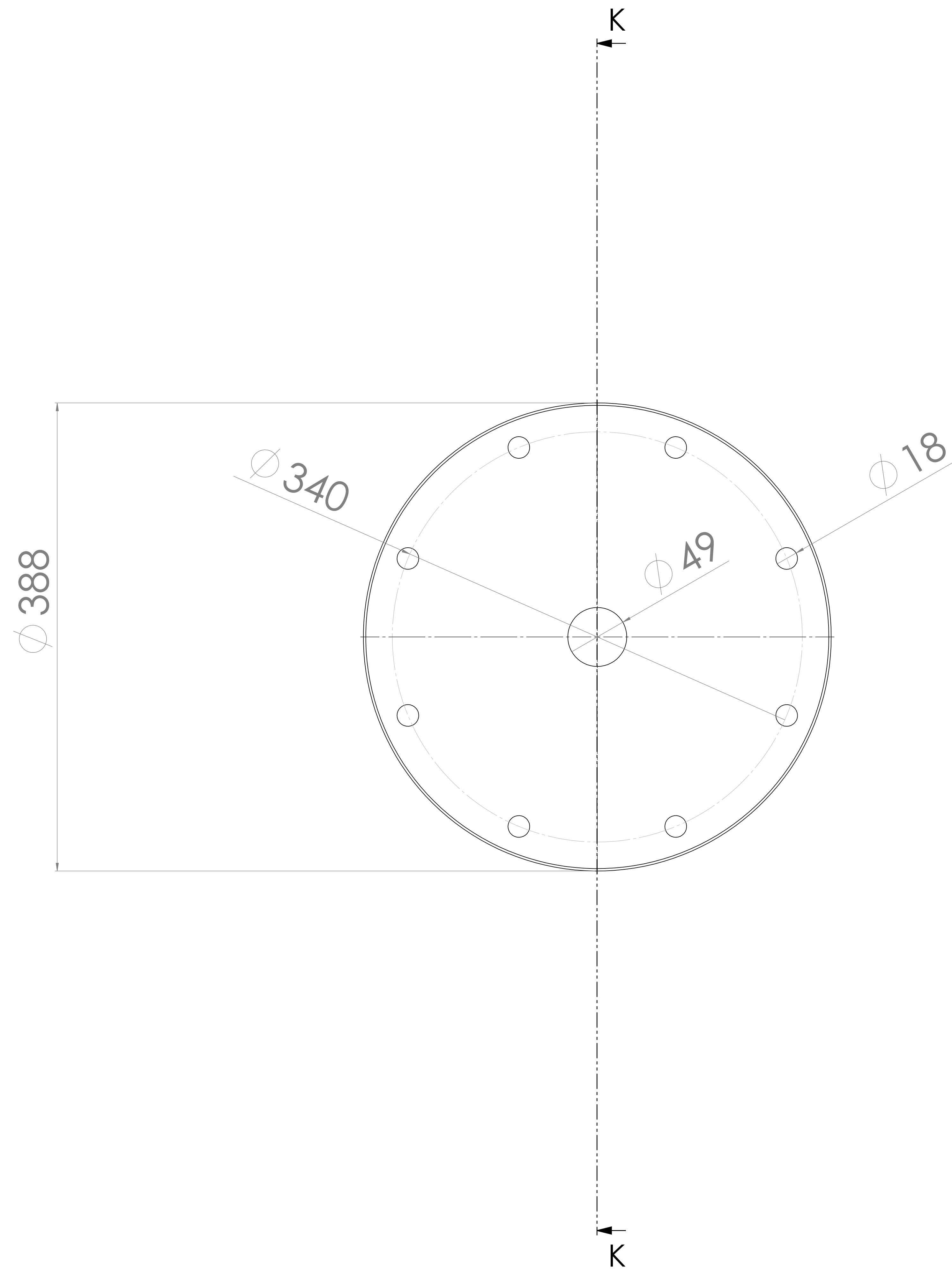
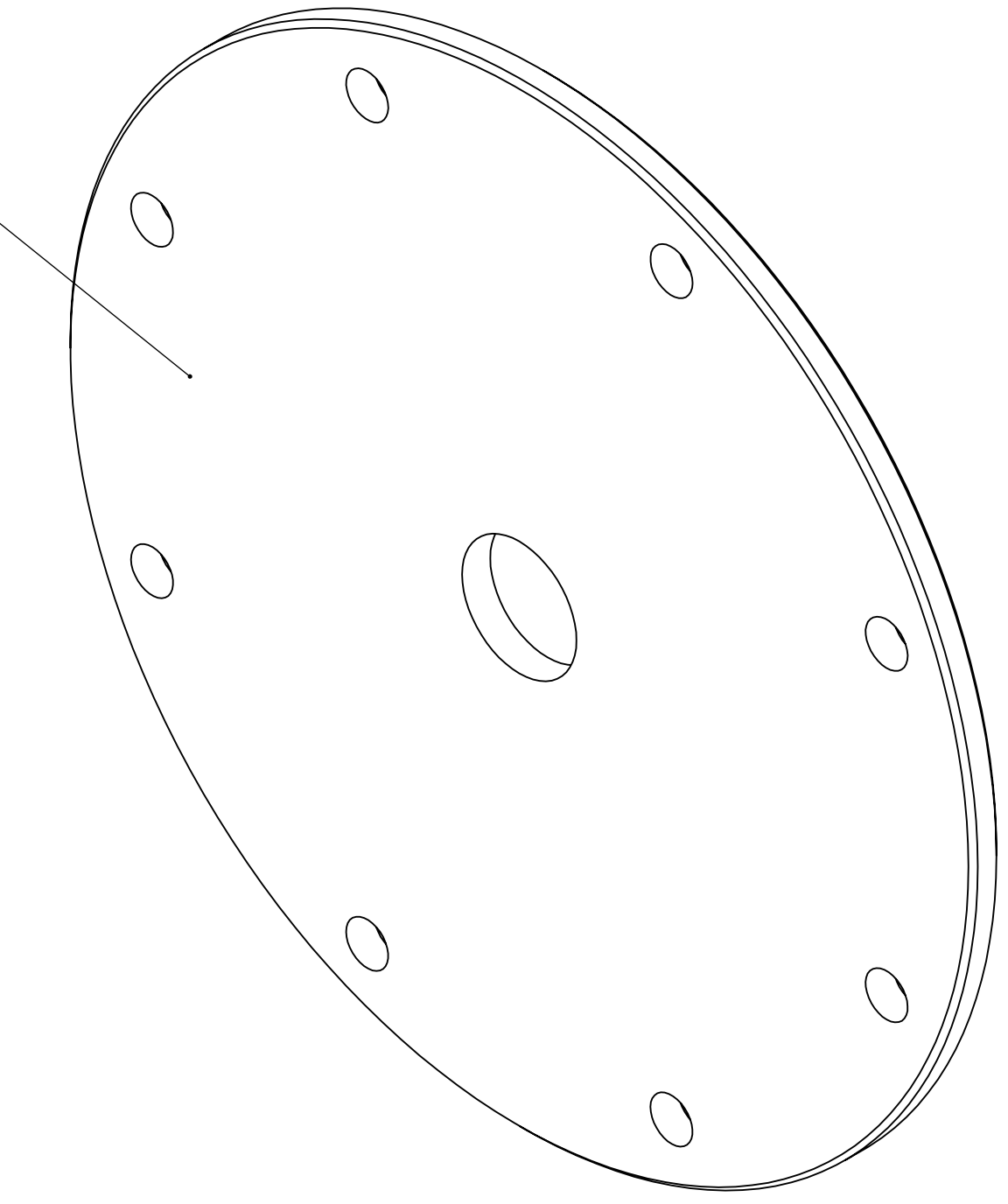
Camera SPES

A0

POS.4.1: 1 pcs



POS.4.1



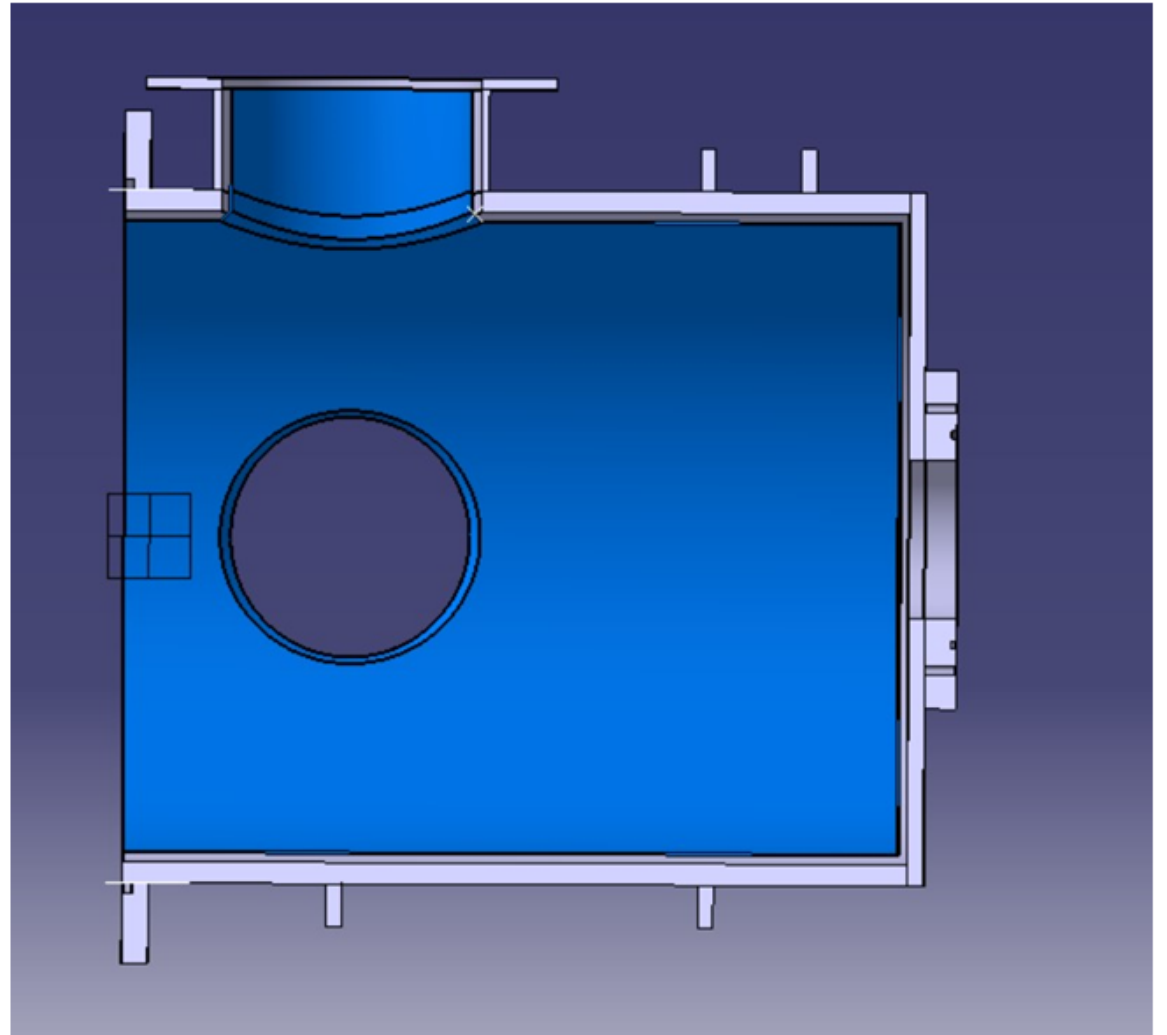
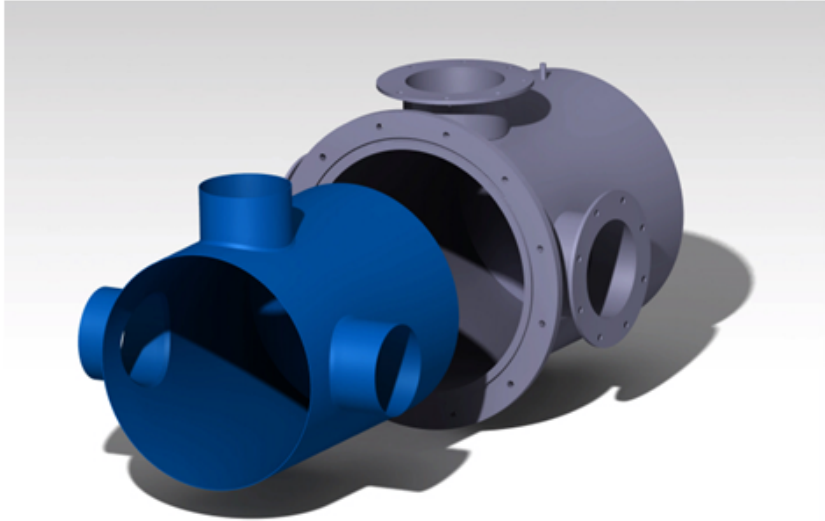
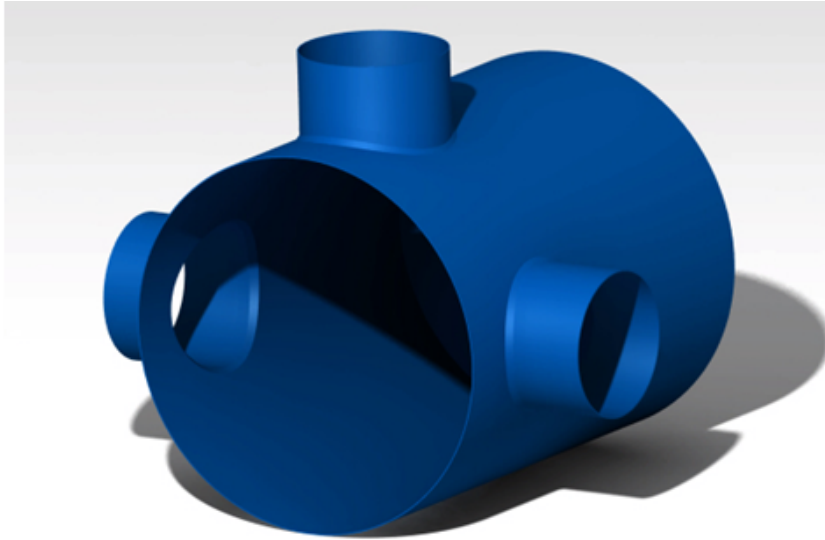
SEZIONE K-K

© NON INFERIRSI QUESTI IN VALORI REVISIONI PROGETTO AUTORE			REVISIONI		
NON SCALARE DESIGN			REVISIONI		
TITOLO			Camera SPES		
N. DESIGNO			A0		
MATERIALE			PES		
SCALARE			FOGGIO		



Allegato 2.3

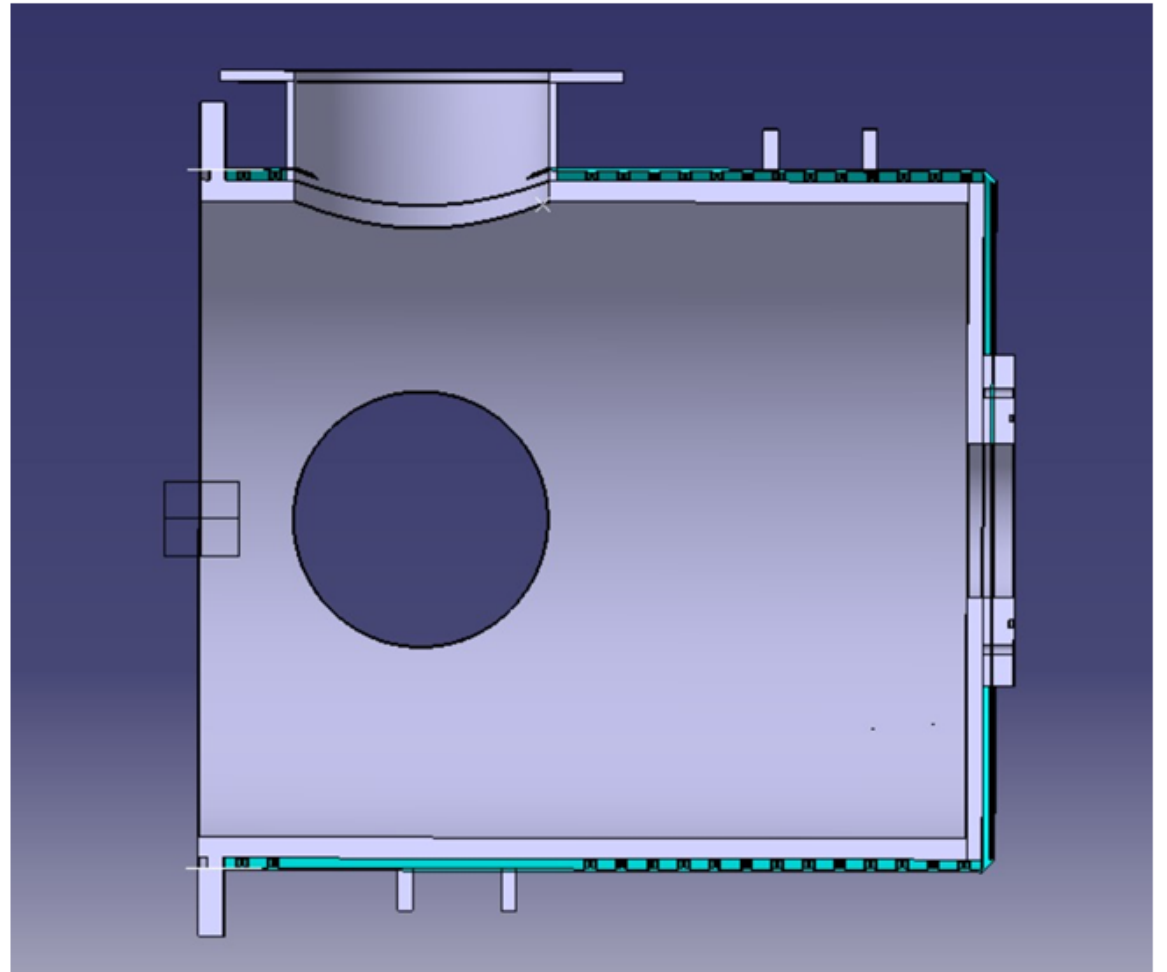
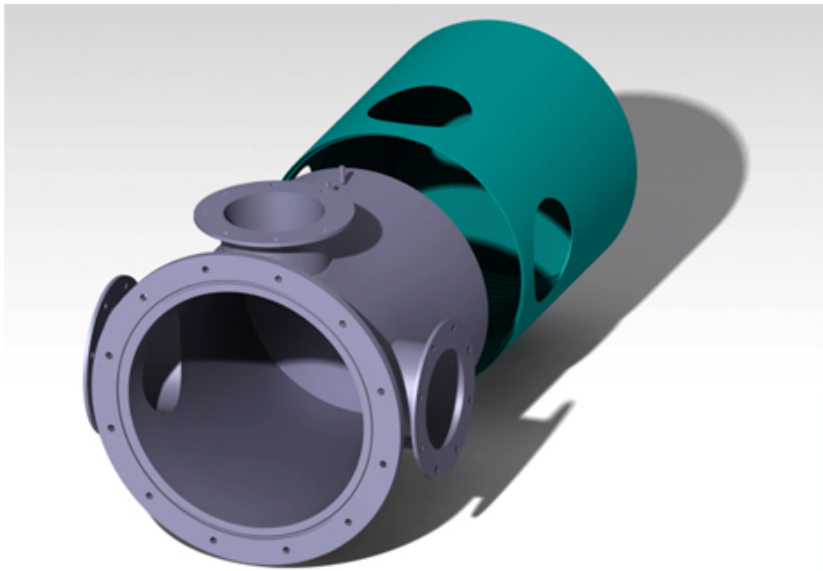
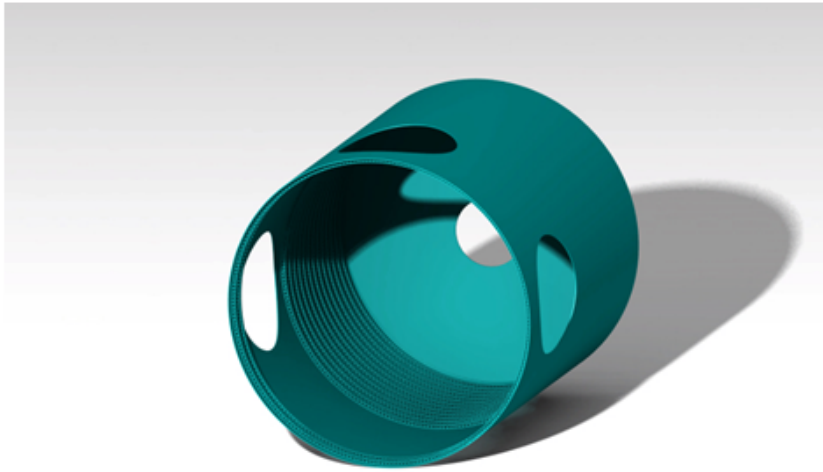
Vista camera e circuito raffreddamento 1





Allegato 2.4

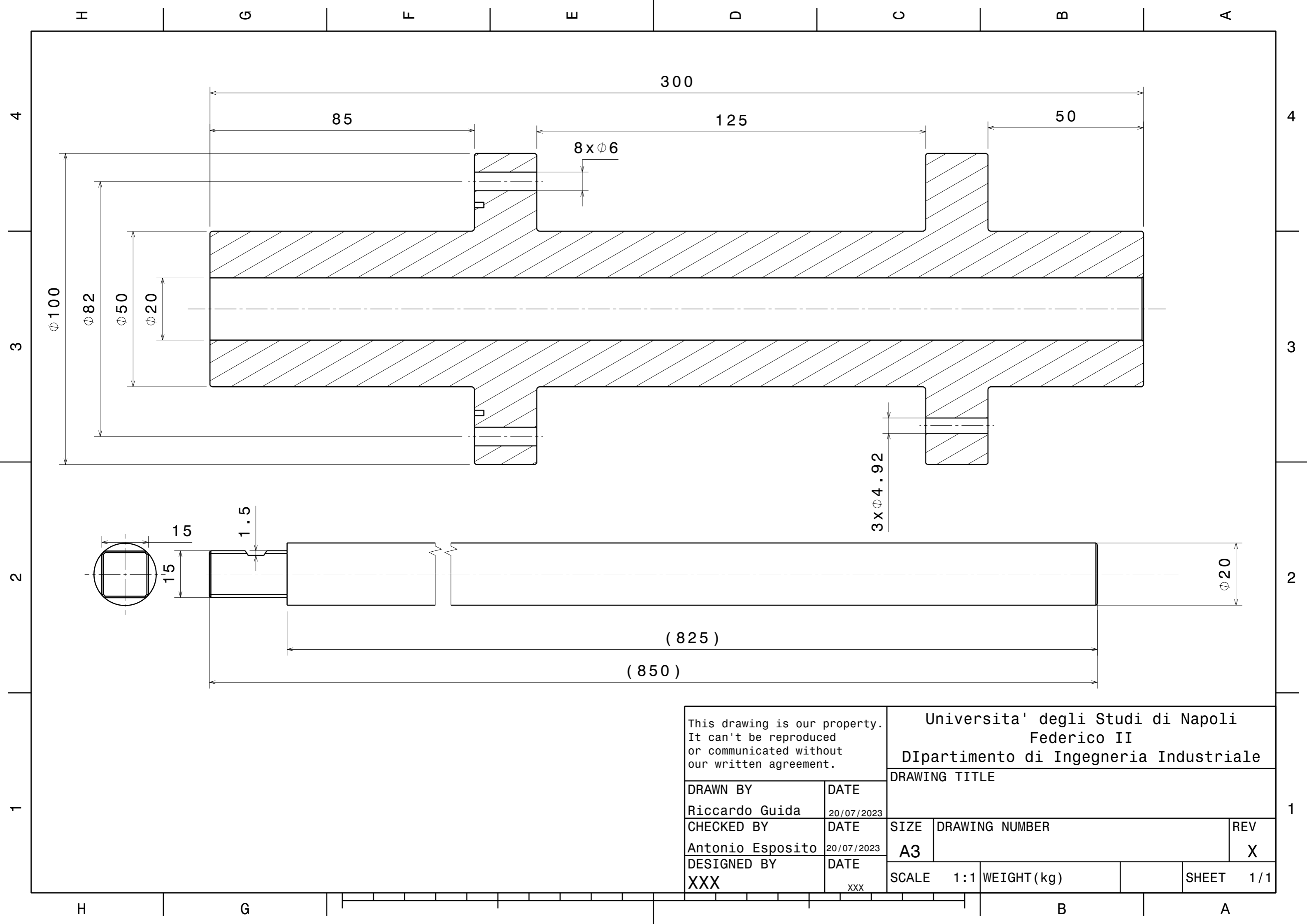
Vista camera e circuito raffreddamento 2





Allegato 2.5

Disegni braccio meccanico per movimentazione campioni (alluminio e acciaio)



300

85

125

50

8x ϕ 6

ϕ 100

ϕ 82

ϕ 50

ϕ 20

3x ϕ 4.92

15

1.5

15

ϕ 20

(825)

(850)

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Universita' degli Studi di Napoli
Federico II
Dipartimento di Ingegneria Industriale

DRAWING TITLE

DRAWN BY
Riccardo Guida

DATE
20/07/2023

CHECKED BY
Antonio Esposito

DATE
20/07/2023

SIZE
A3

DRAWING NUMBER

REV
X

DESIGNED BY
XXX

DATE
XXX

SCALE

1:1

WEIGHT (kg)

SHEET

1/1

H

G

B

A

H

G

F

E

D

C

B

A

4

4

3

3

2

2

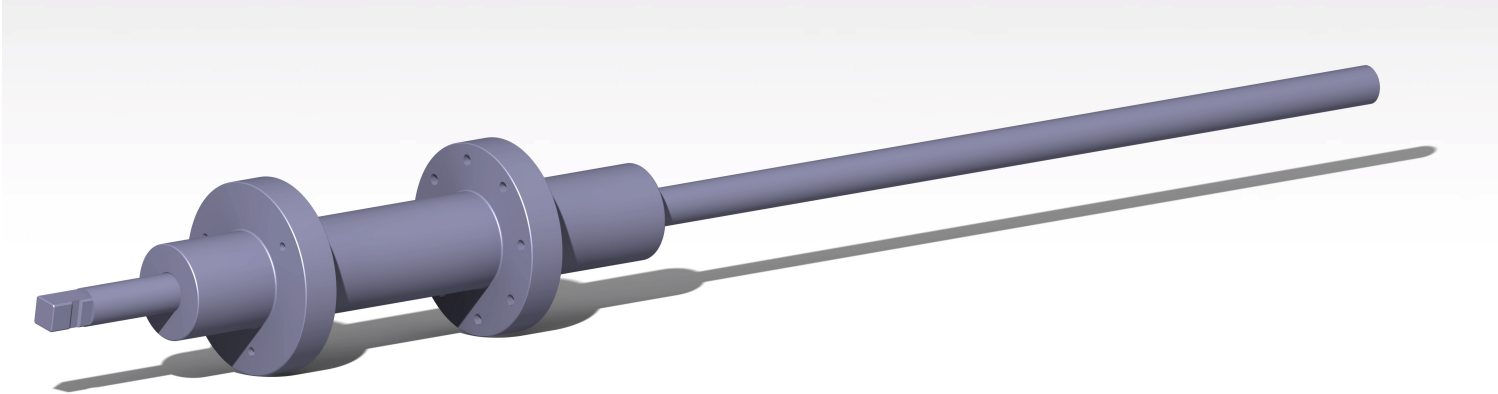
1

1



Allegato 2.6

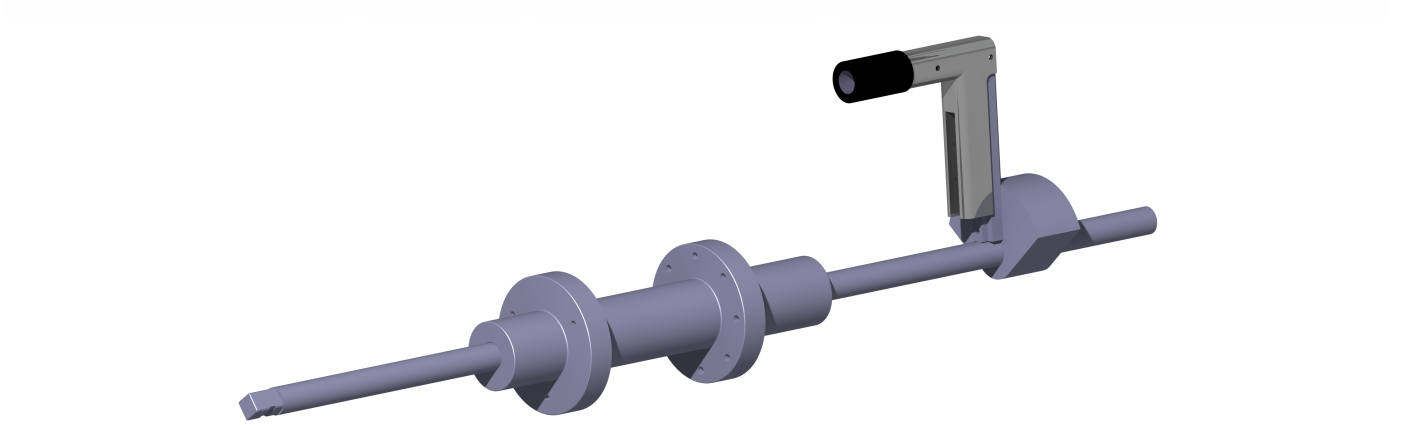
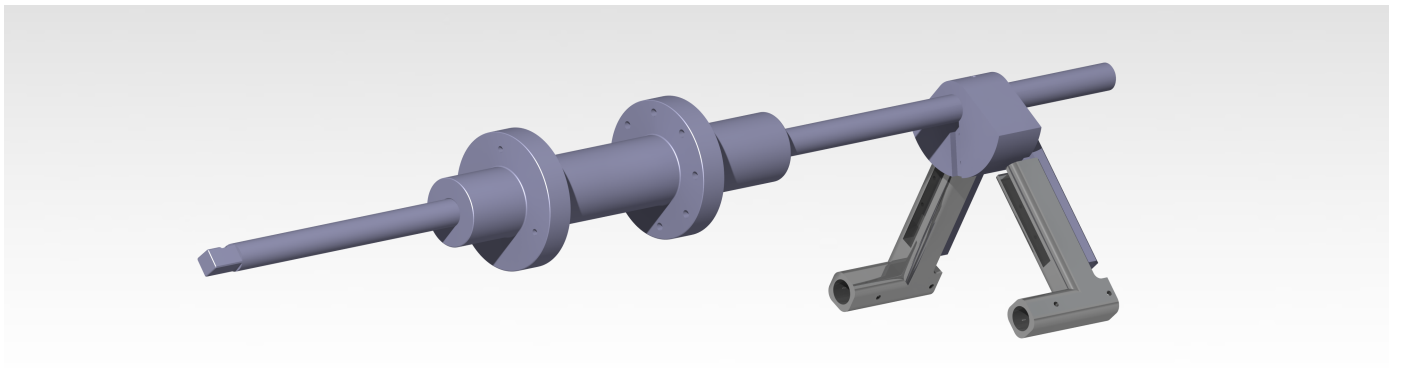
Vista braccio meccanico per movimentazione campioni





Allegato 2.7

Vista braccio meccanico per movimentazione e supporti per calorimetro e sonda pressione





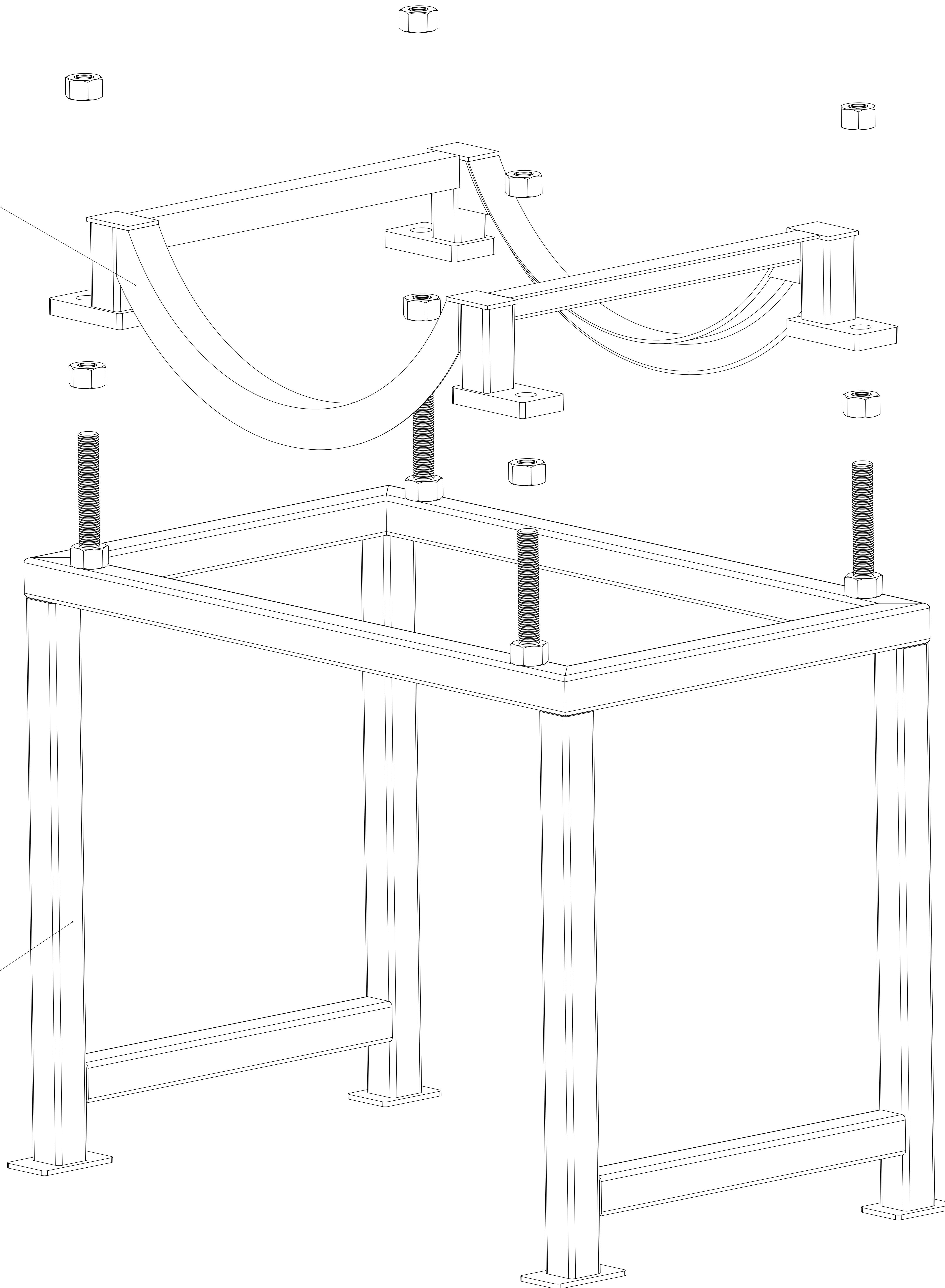
Allegato 2.8

Carrello di movimentazione camera (ferro zincato)

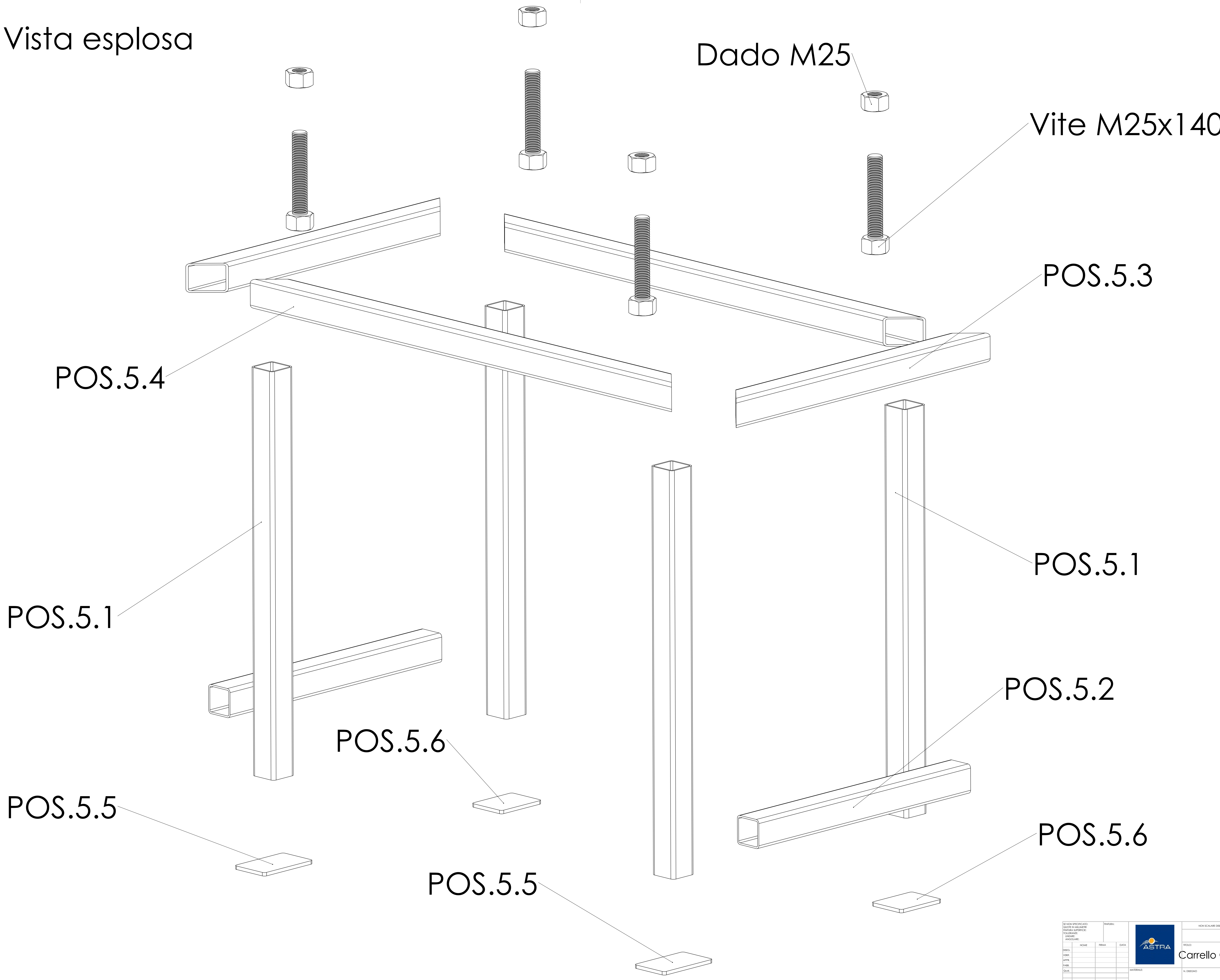
Vista esplosa

POS.6

POS.5



POS.5: Vista esplosa



Dado M25

Vite M25x140

POS.5.4

POS.5.3

POS.5.1

POS.5.1

POS.5.5

POS.5.6

POS.5.2

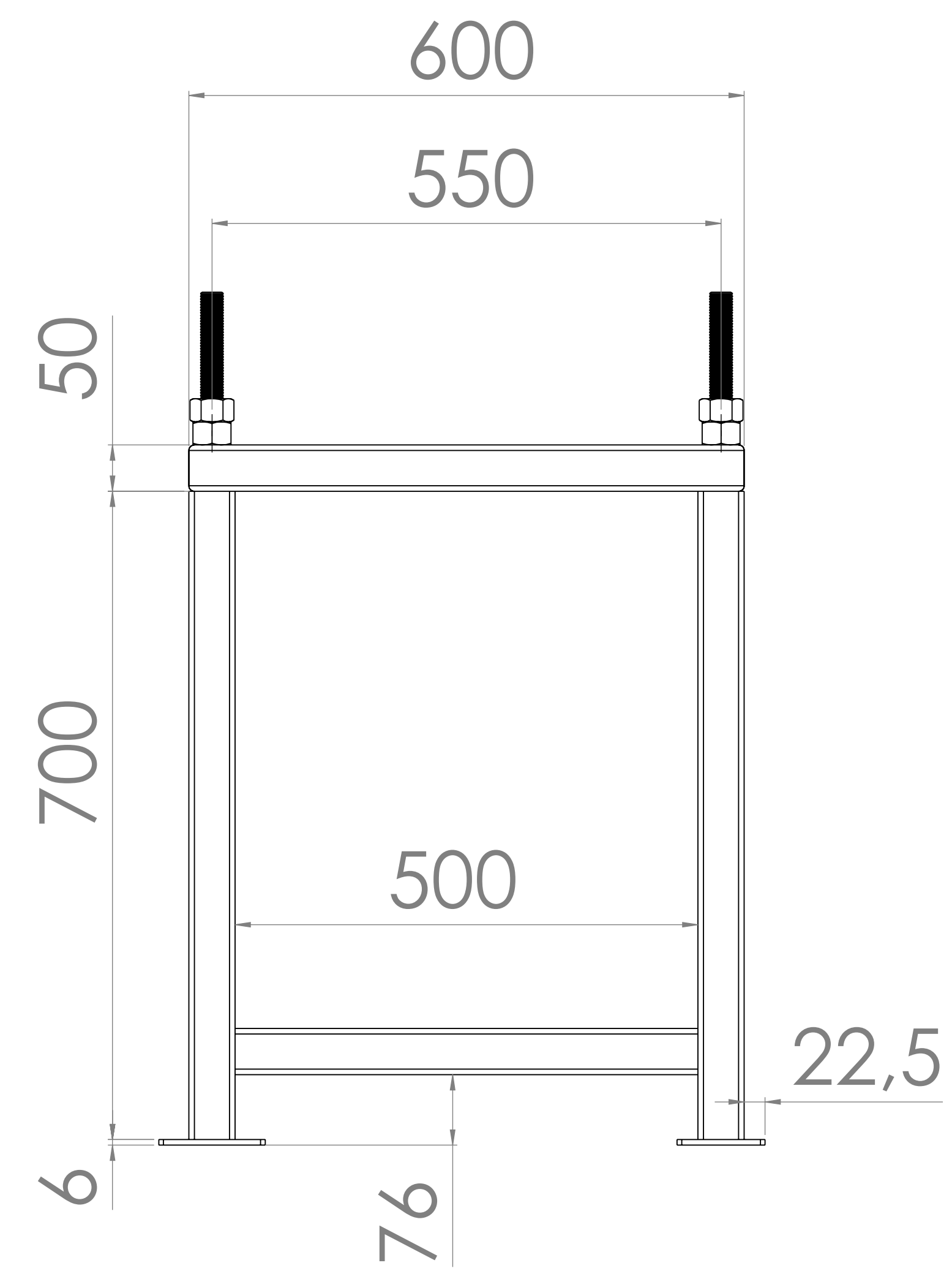
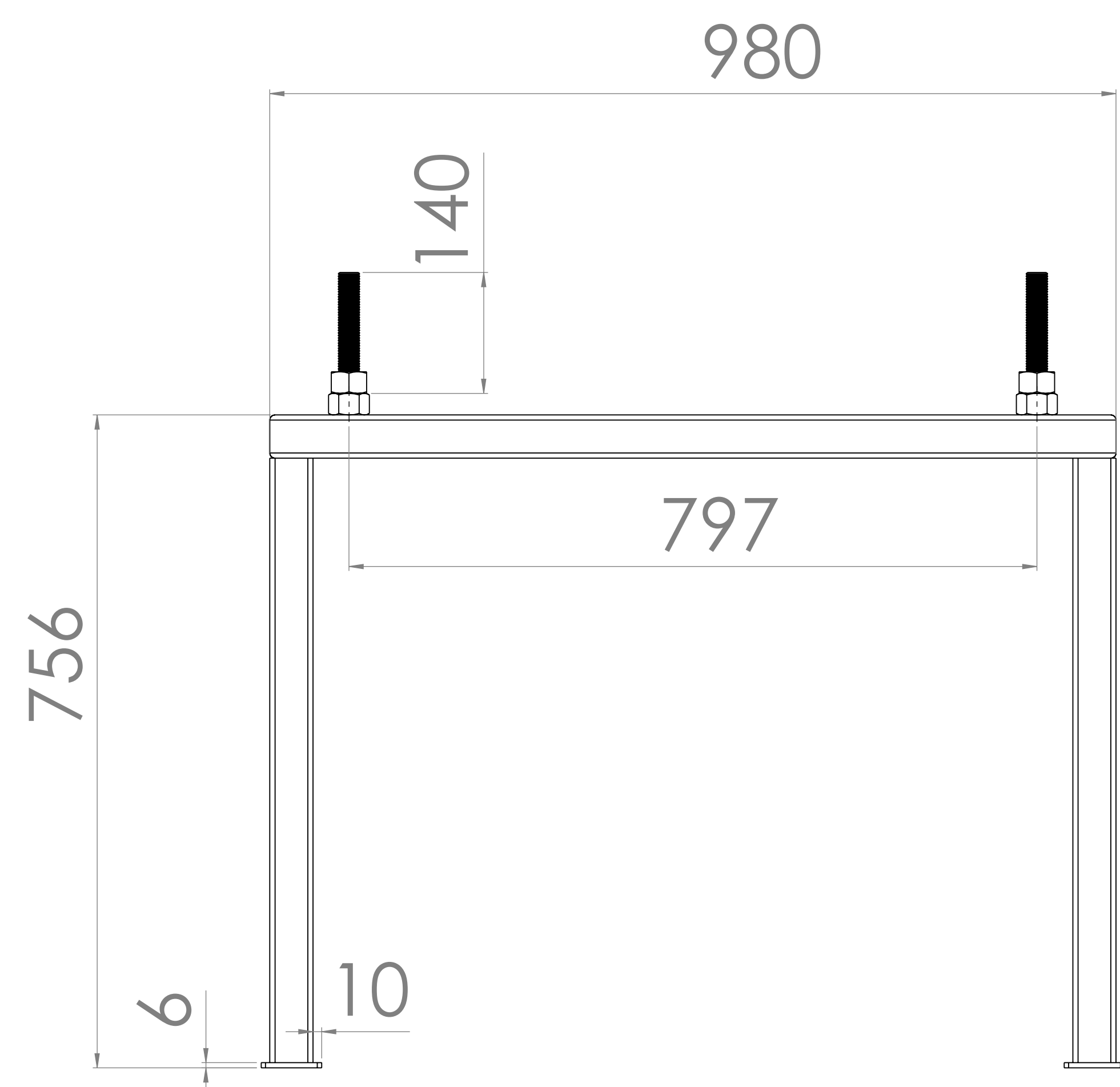
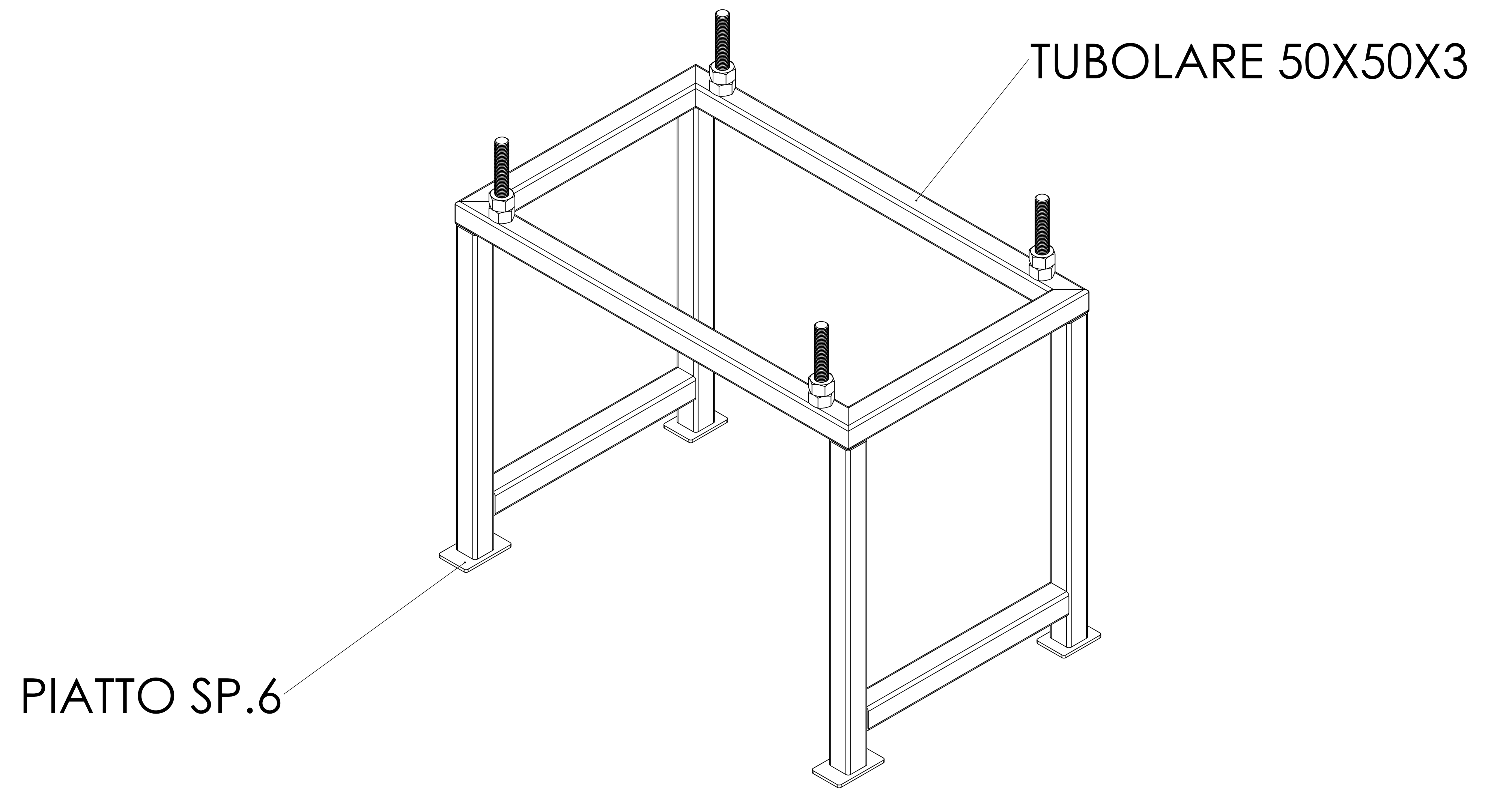
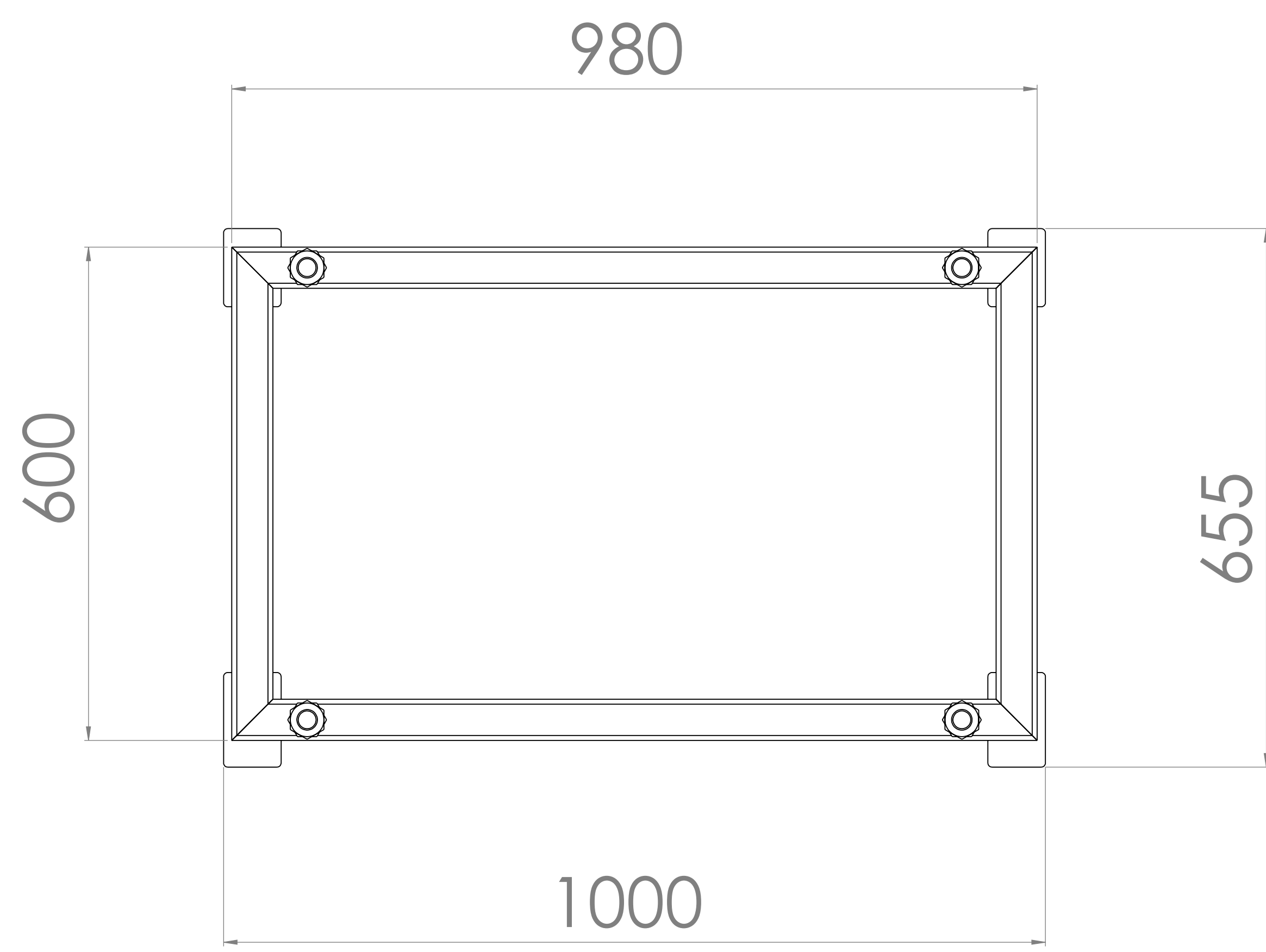
POS.5.5

POS.5.6

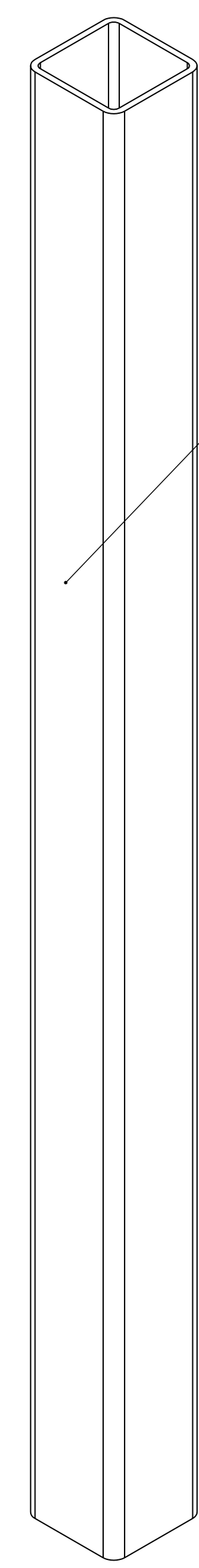
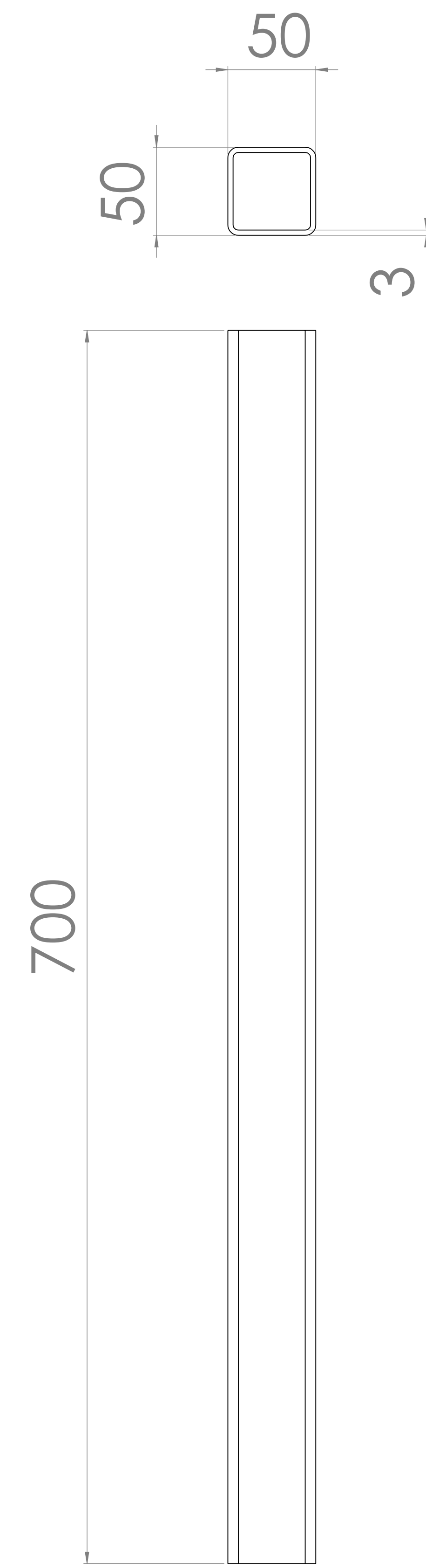
NON PROSPERATO			PROSPERATO		
DISEGNO			REVISIONE		
AUTORE			REVISORE		
DATA			DATA		
DESCRIZIONE			DESCRIZIONE		
MATERIALE			MATERIALE		
N. DISEGNO			N. DISEGNO		
SCALA			SCALA		
FOGLIO			FOGLIO		
N. FOGLIO			N. FOGLIO		
TITOLO			TITOLO		
AUTORE			AUTORE		
DATA			DATA		
DESCRIZIONE			DESCRIZIONE		
MATERIALE			MATERIALE		
N. DISEGNO			N. DISEGNO		
SCALA			SCALA		
FOGLIO			FOGLIO		
N. FOGLIO			N. FOGLIO		

ASTRA Carrello Camera SPE5

POS.5: Viste

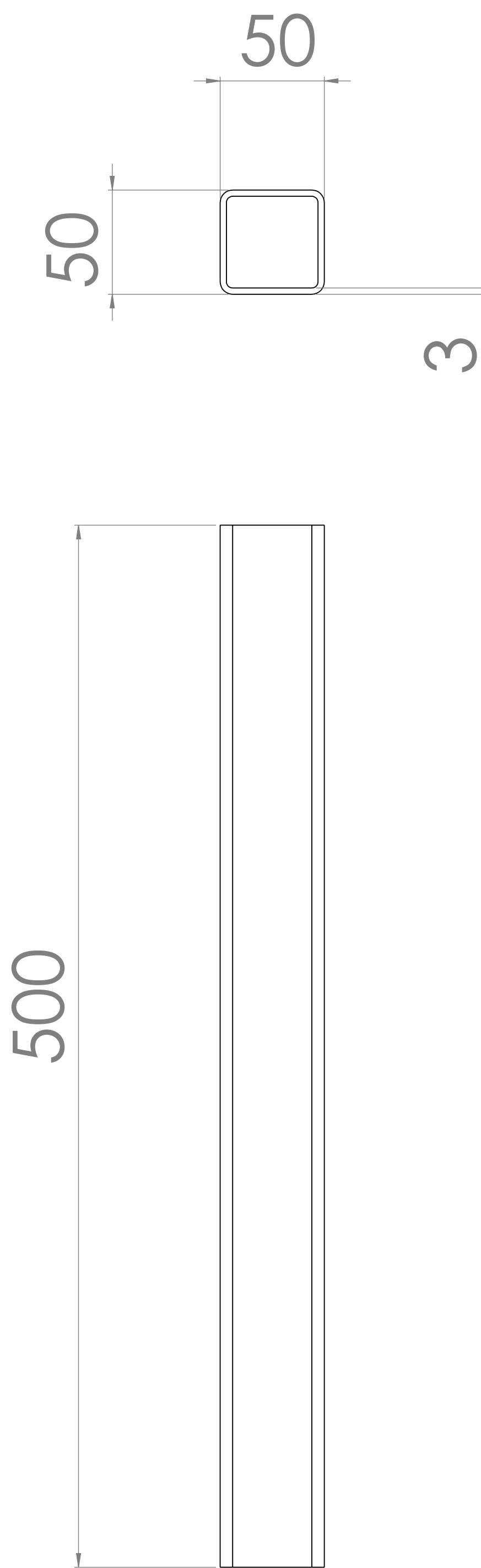


POS.5.1: 4 pcs



Tubolare 50x50x3

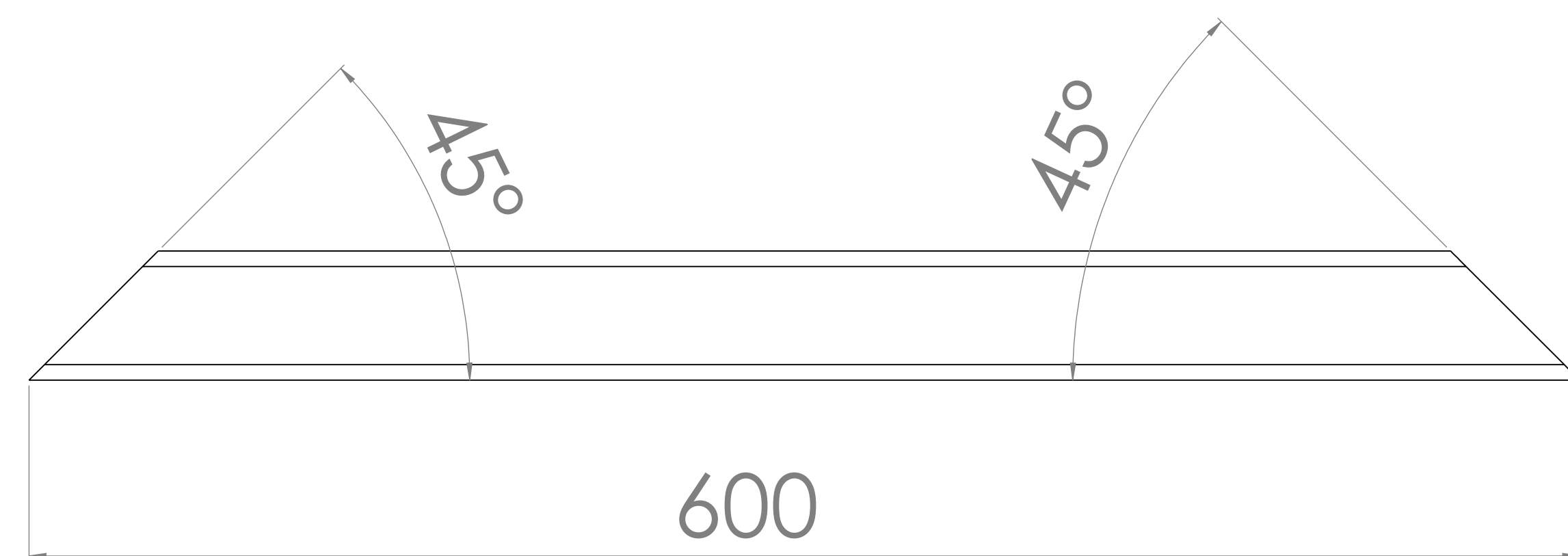
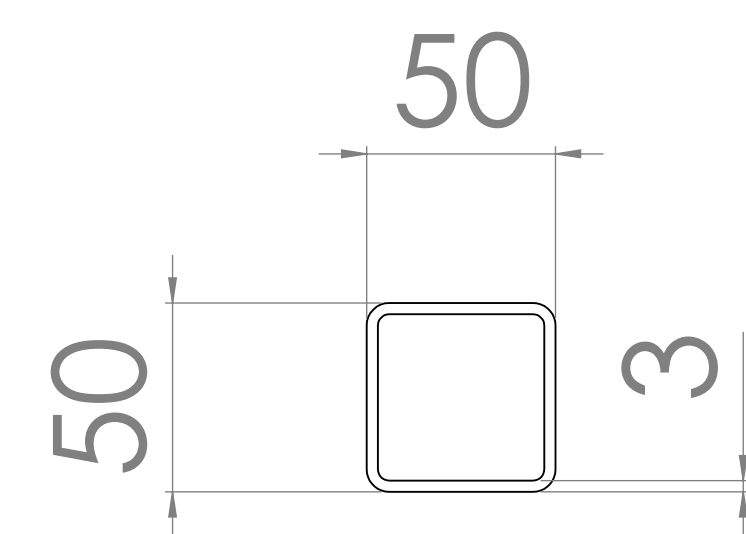
POS.5.2: 2 pcs



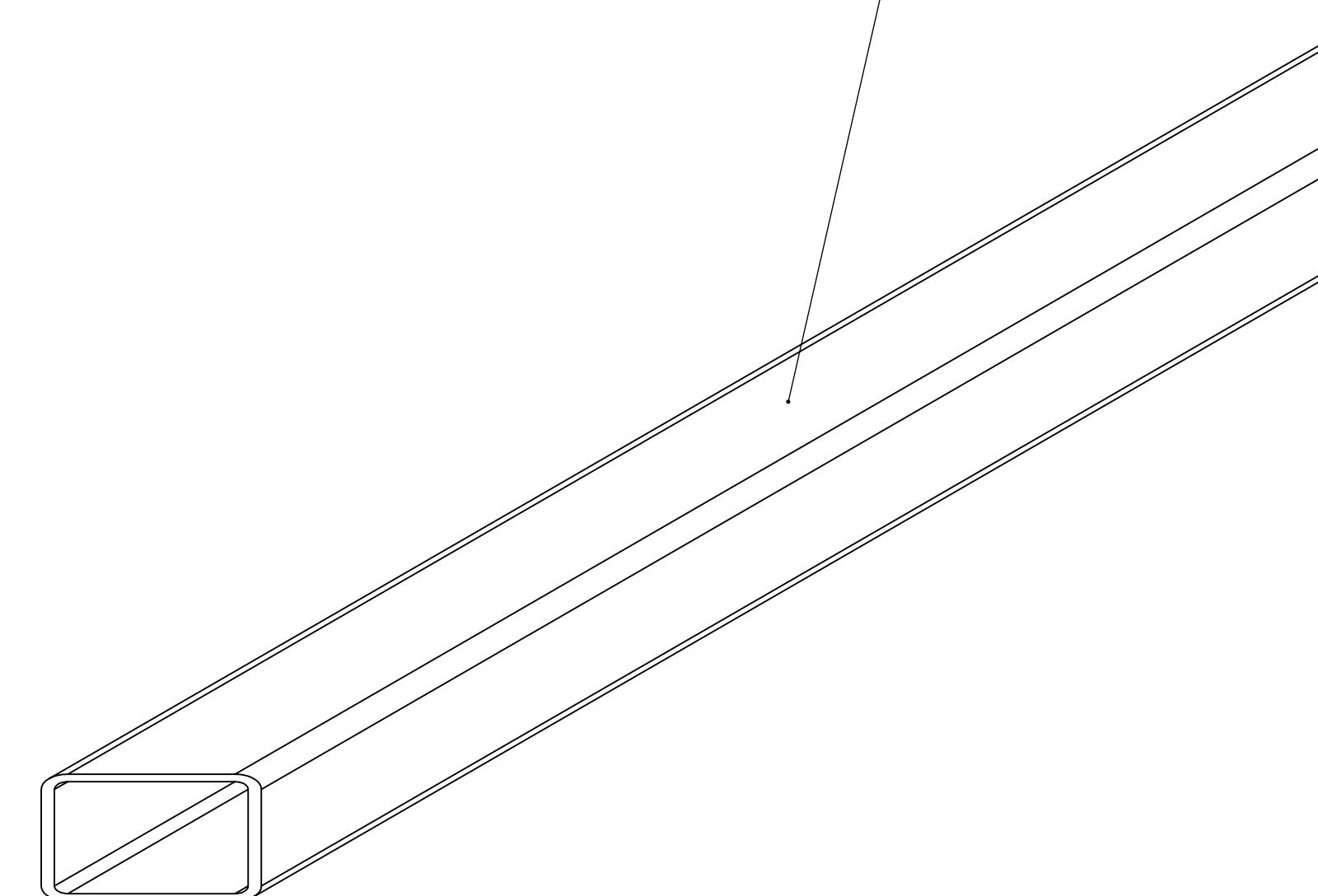
Tubolare 50x50x3



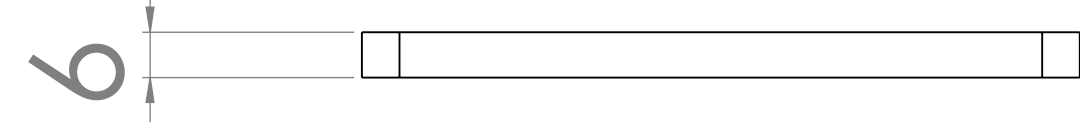
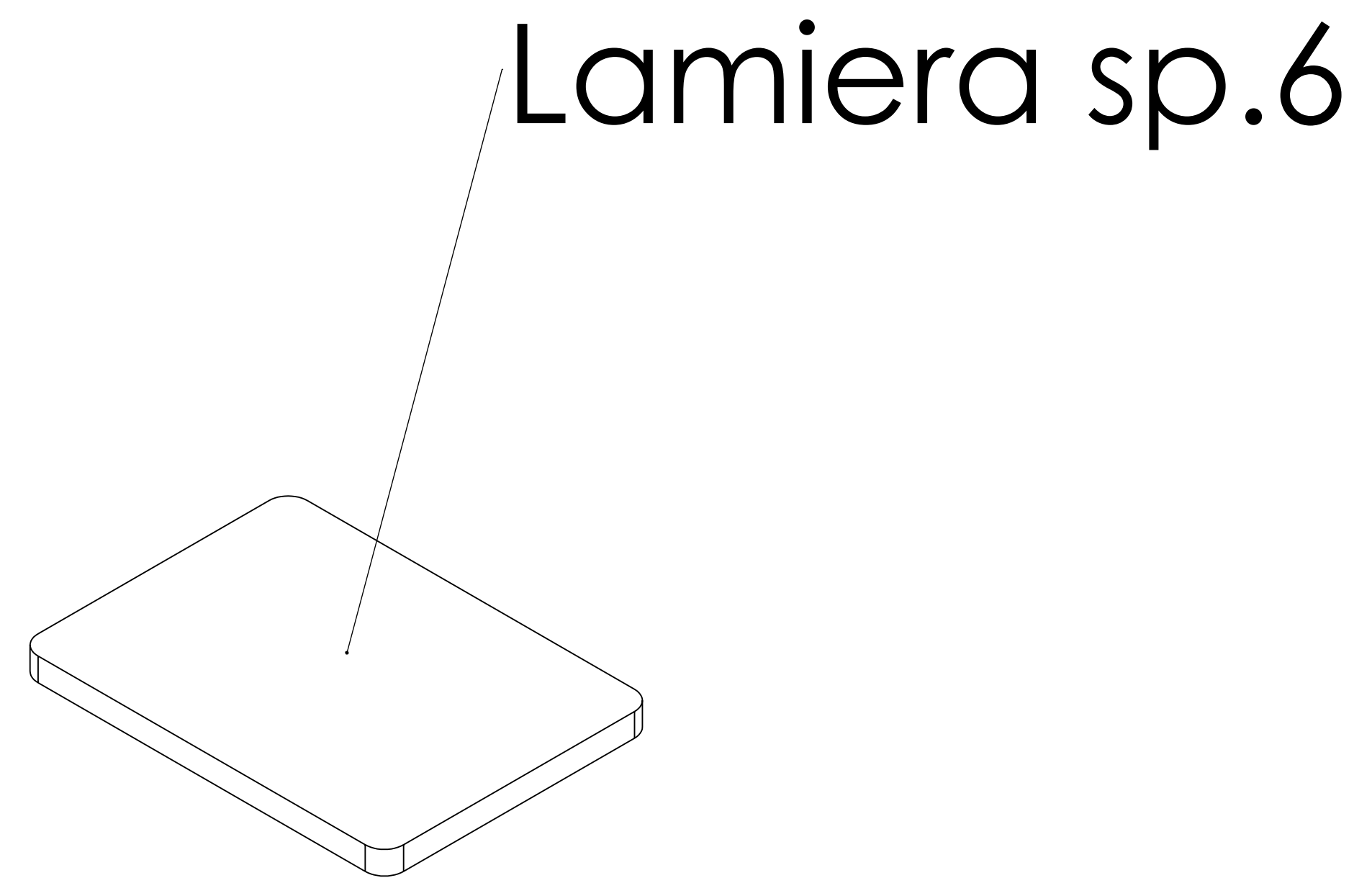
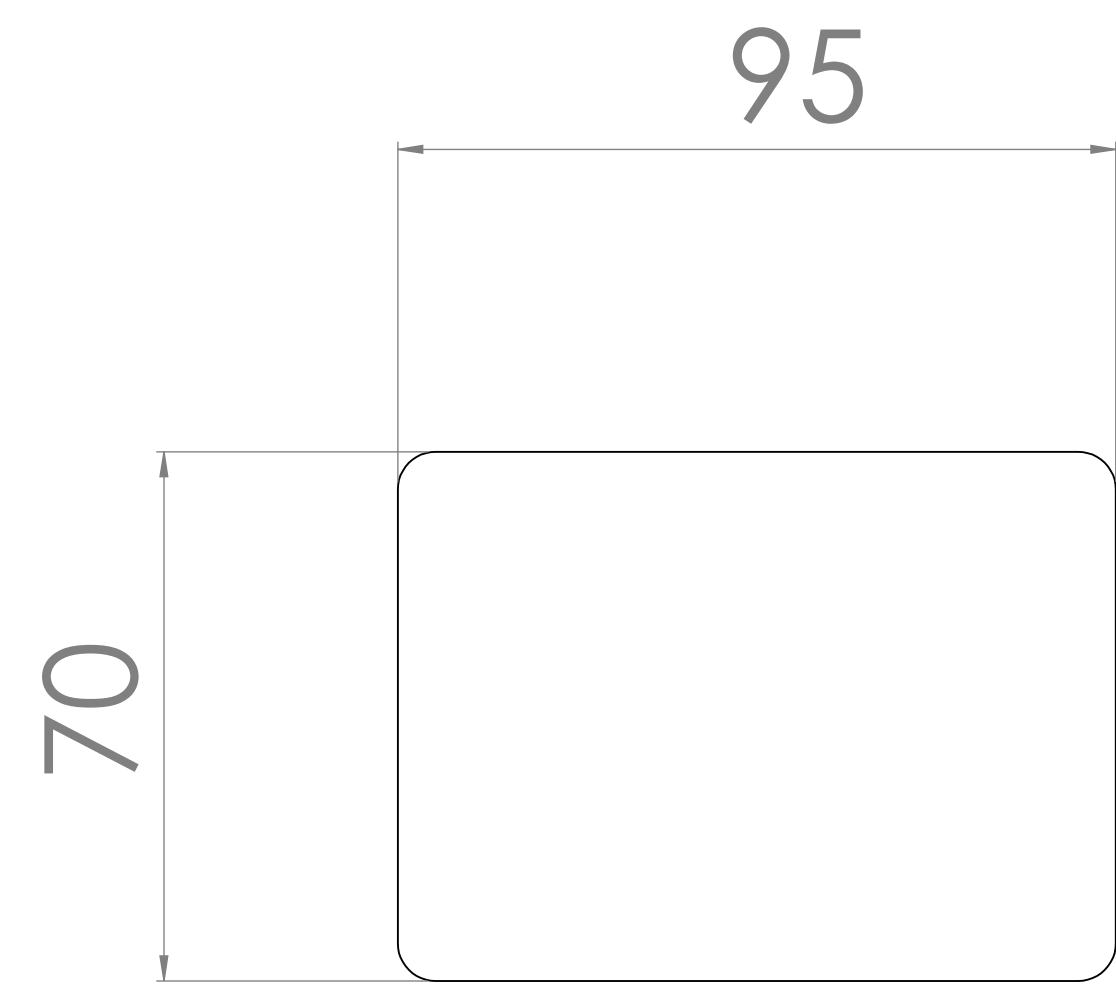
POS.5.2: 2 pcs



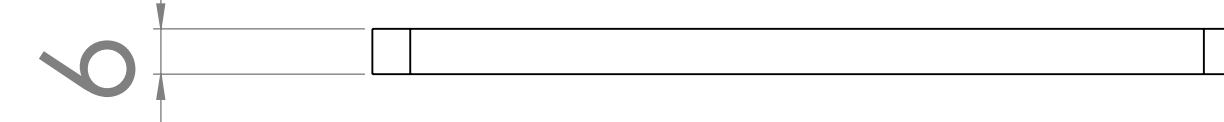
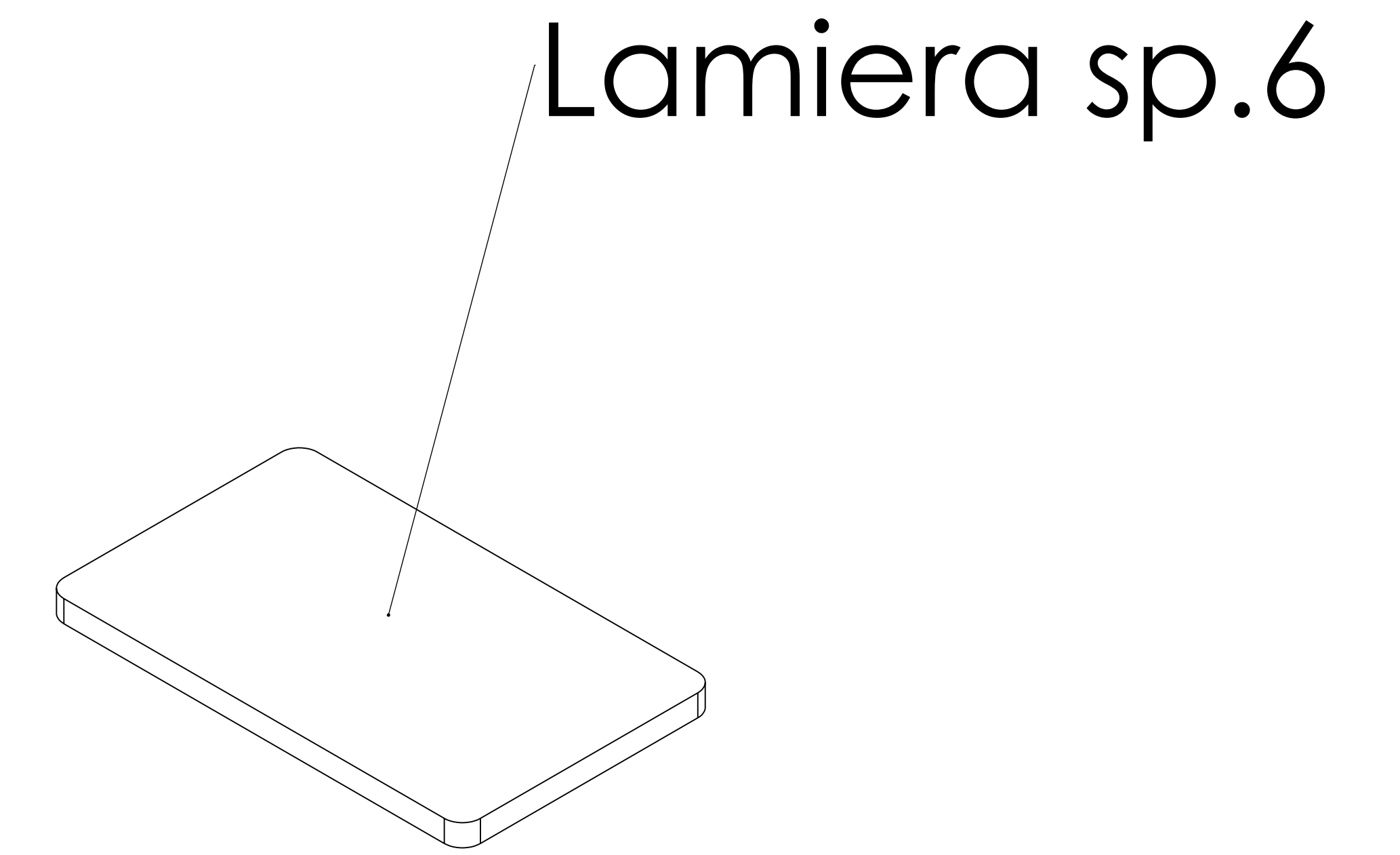
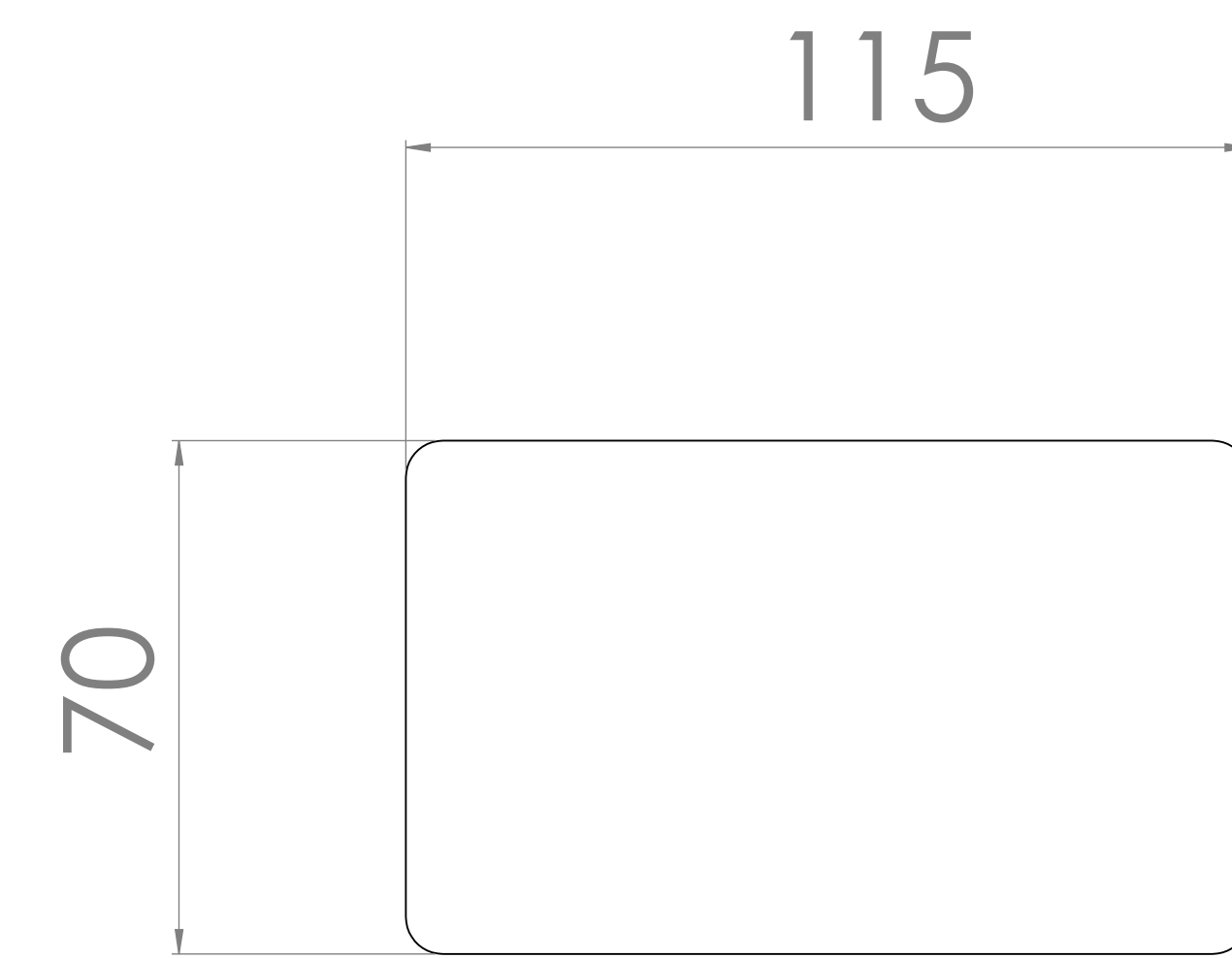
Tubolare 50x50x3



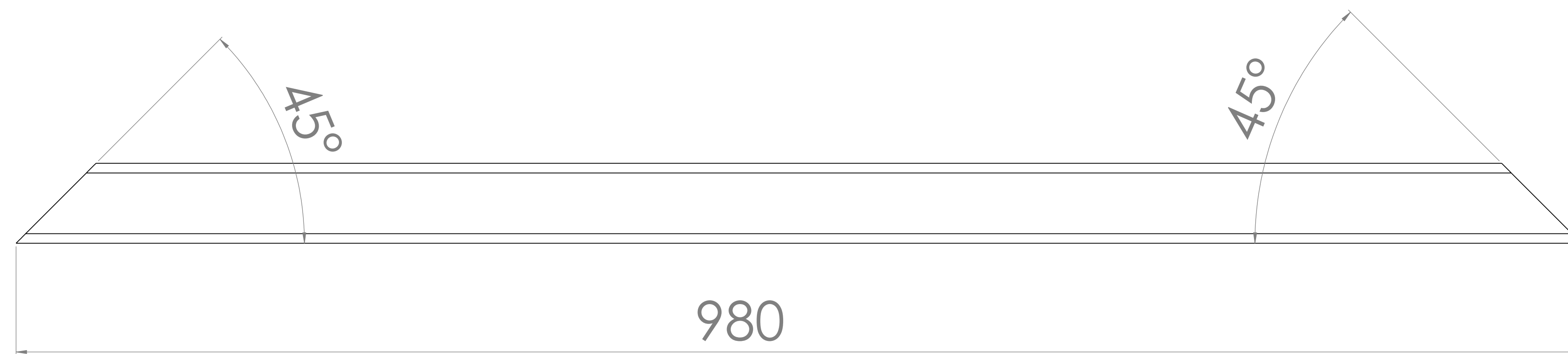
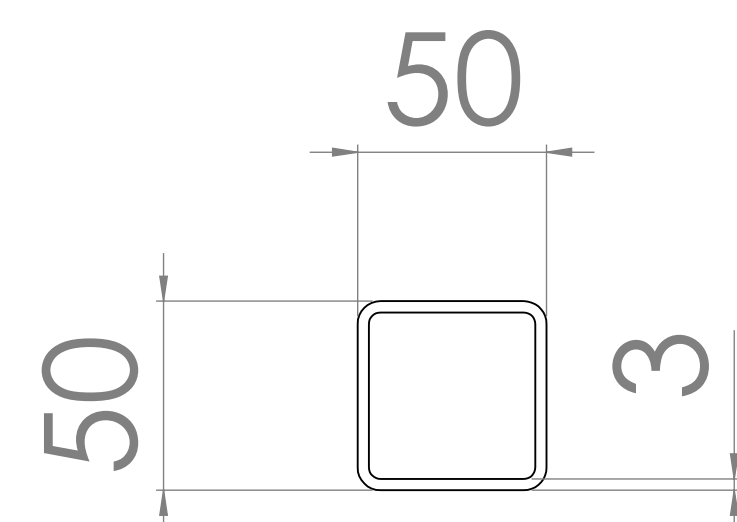
POS.5.5: 2 pcs



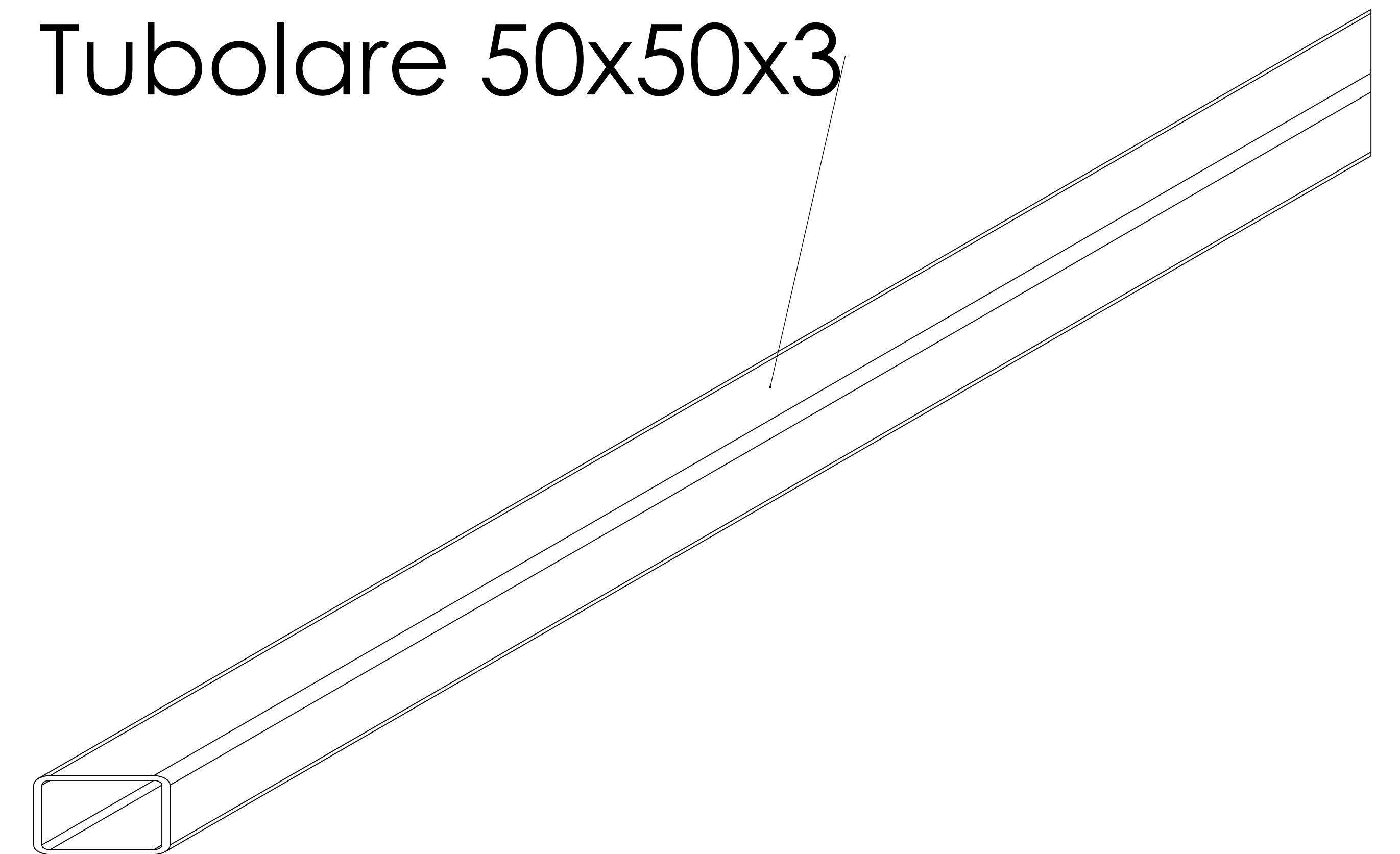
POS.5.6: 2 pcs



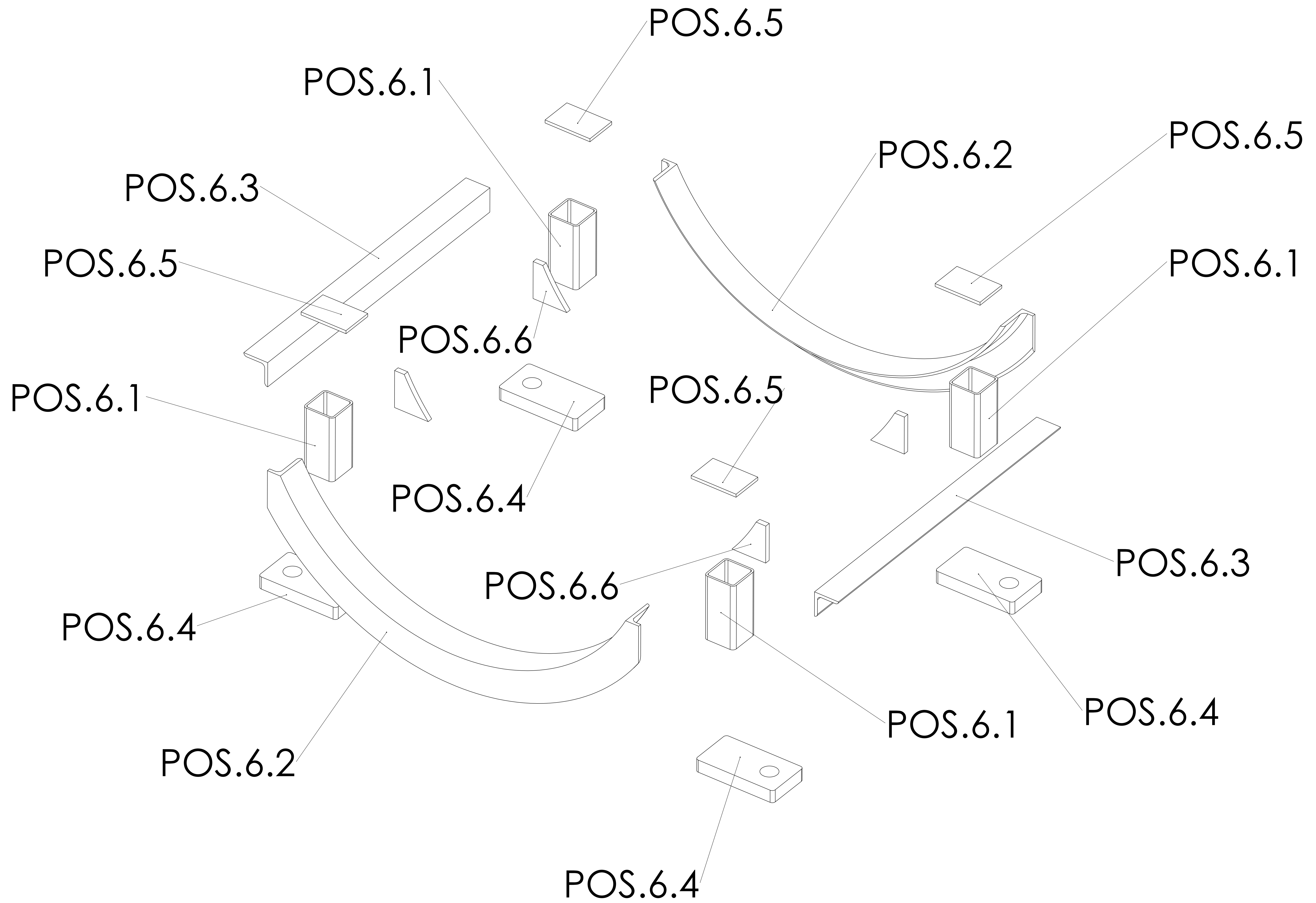
POS.5.4: 2 pcs



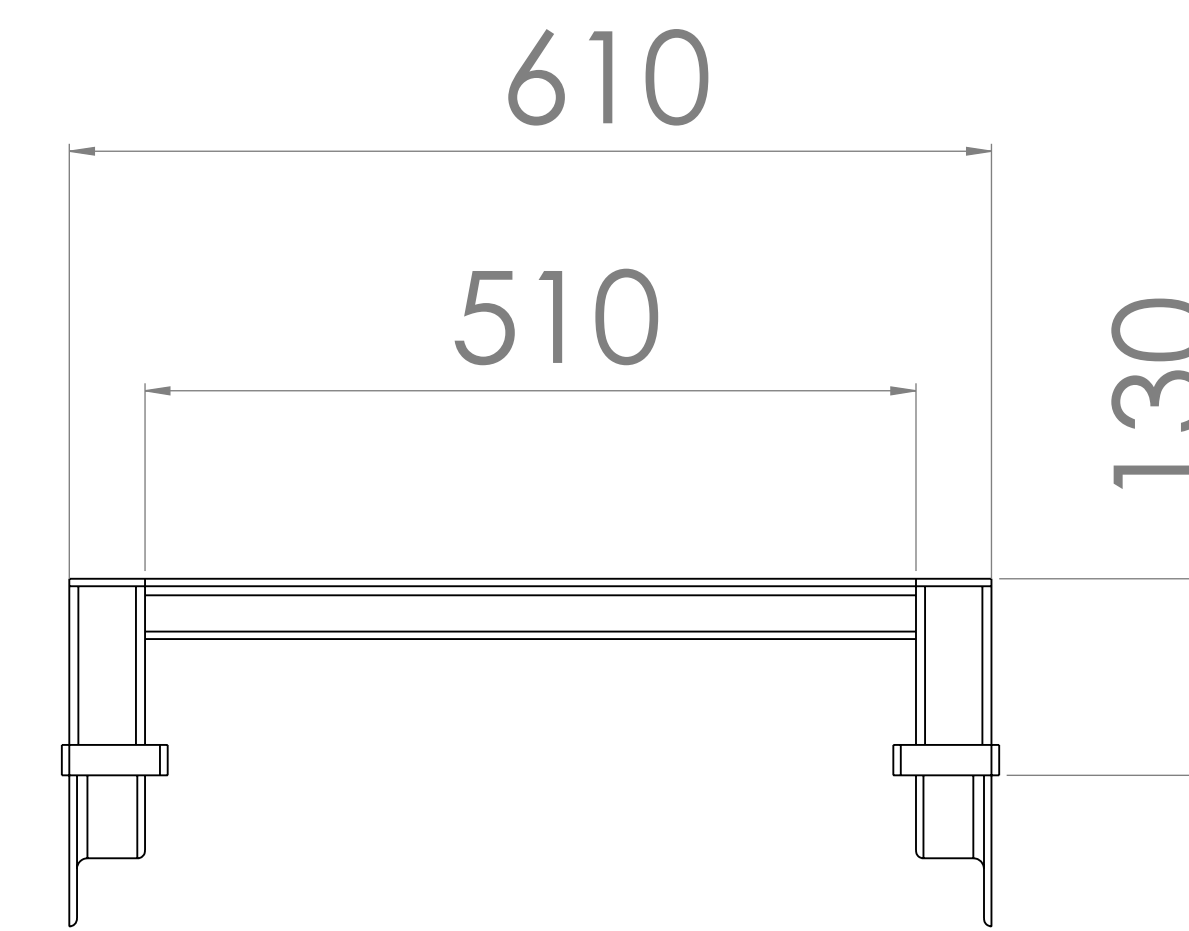
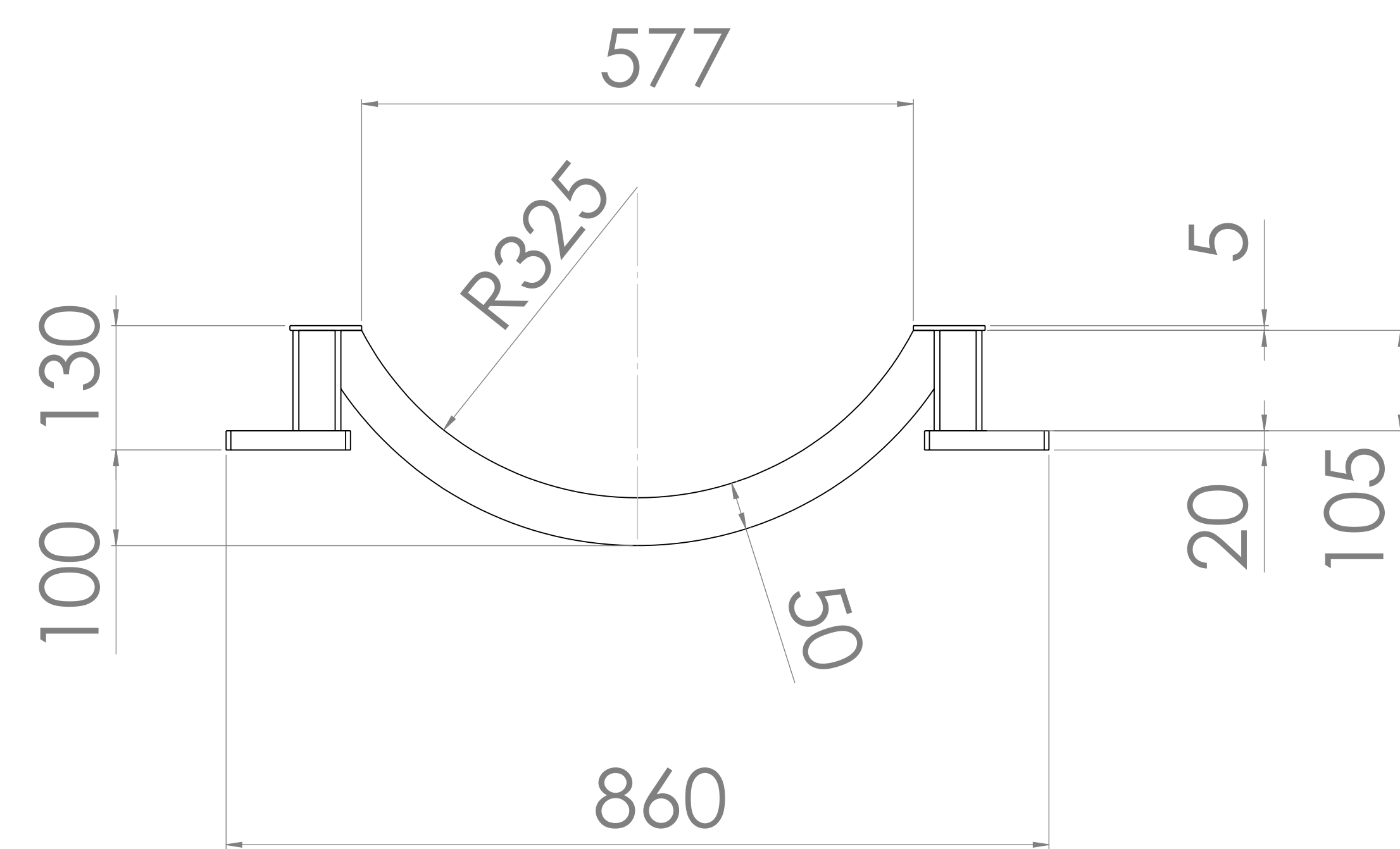
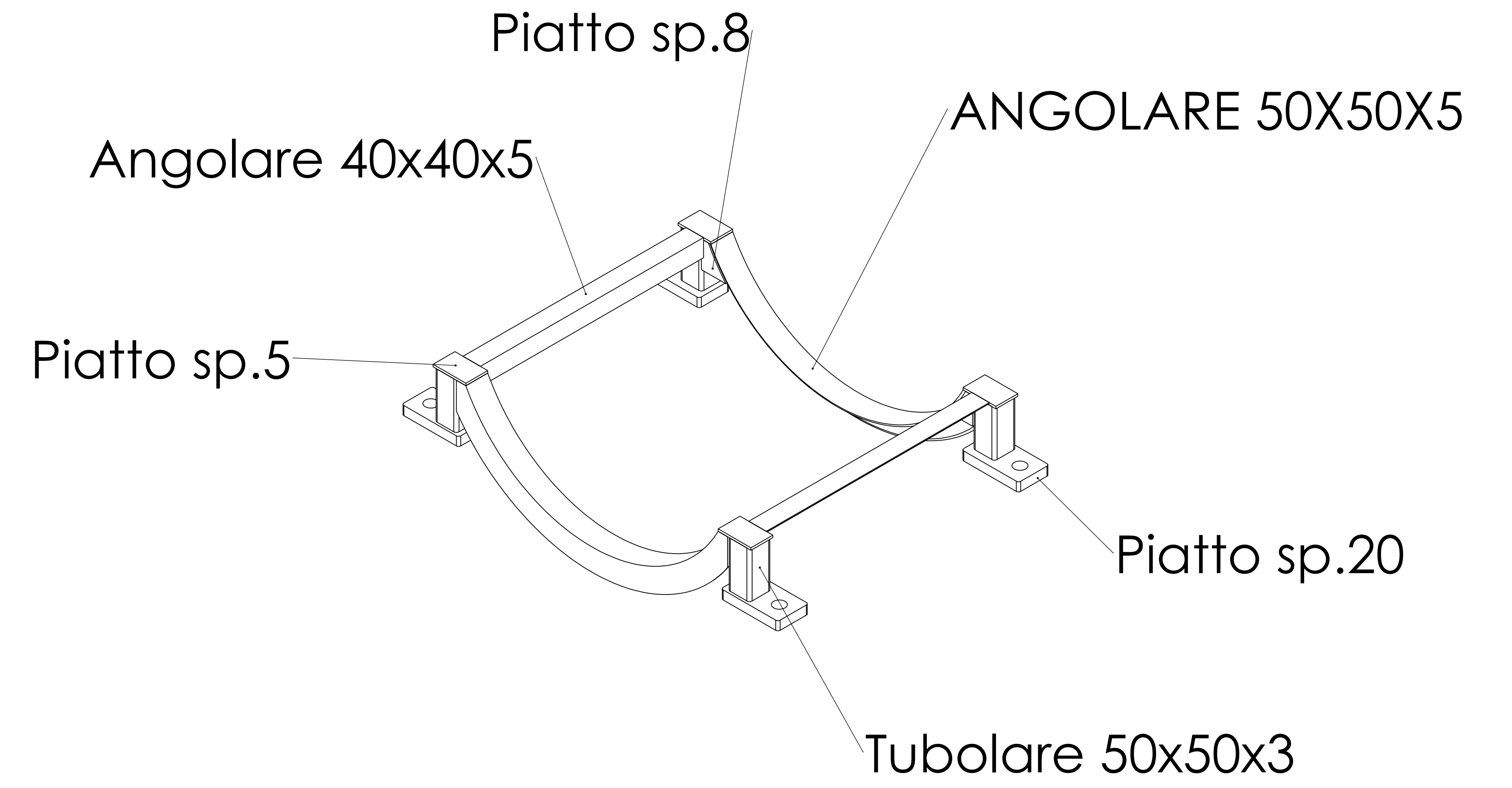
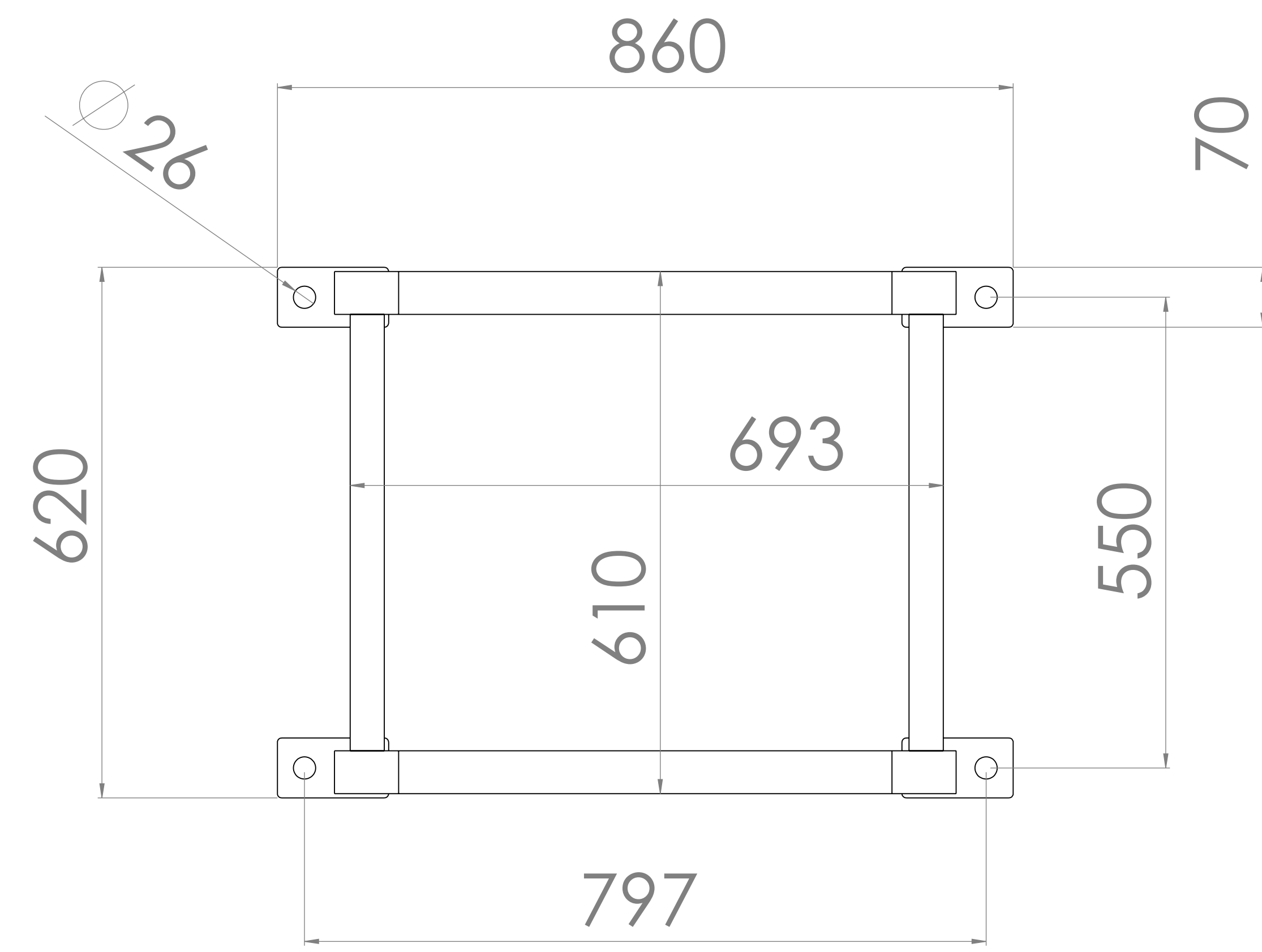
Tubolare 50x50x3



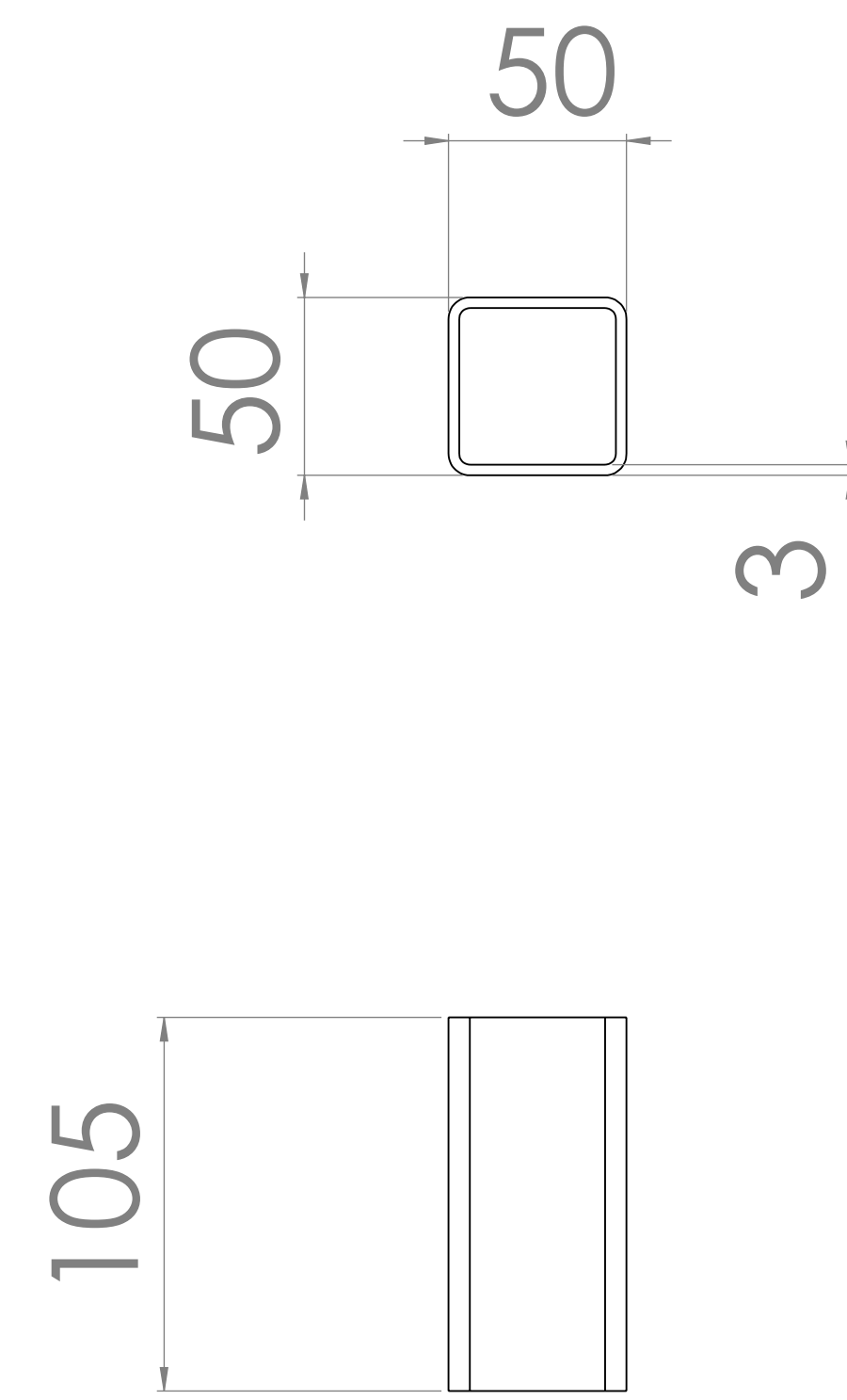
POS.6: Vista esplosa



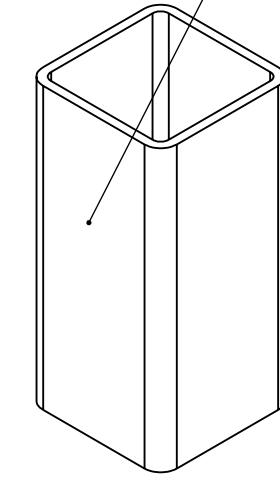
POS.6: Viste



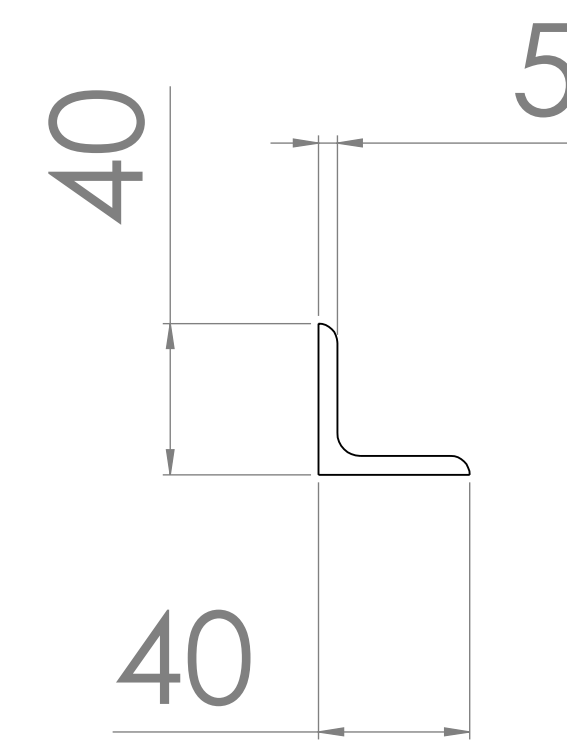
POS.6.1: 4 pcs



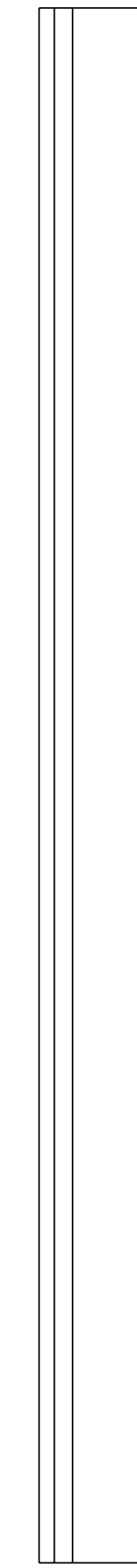
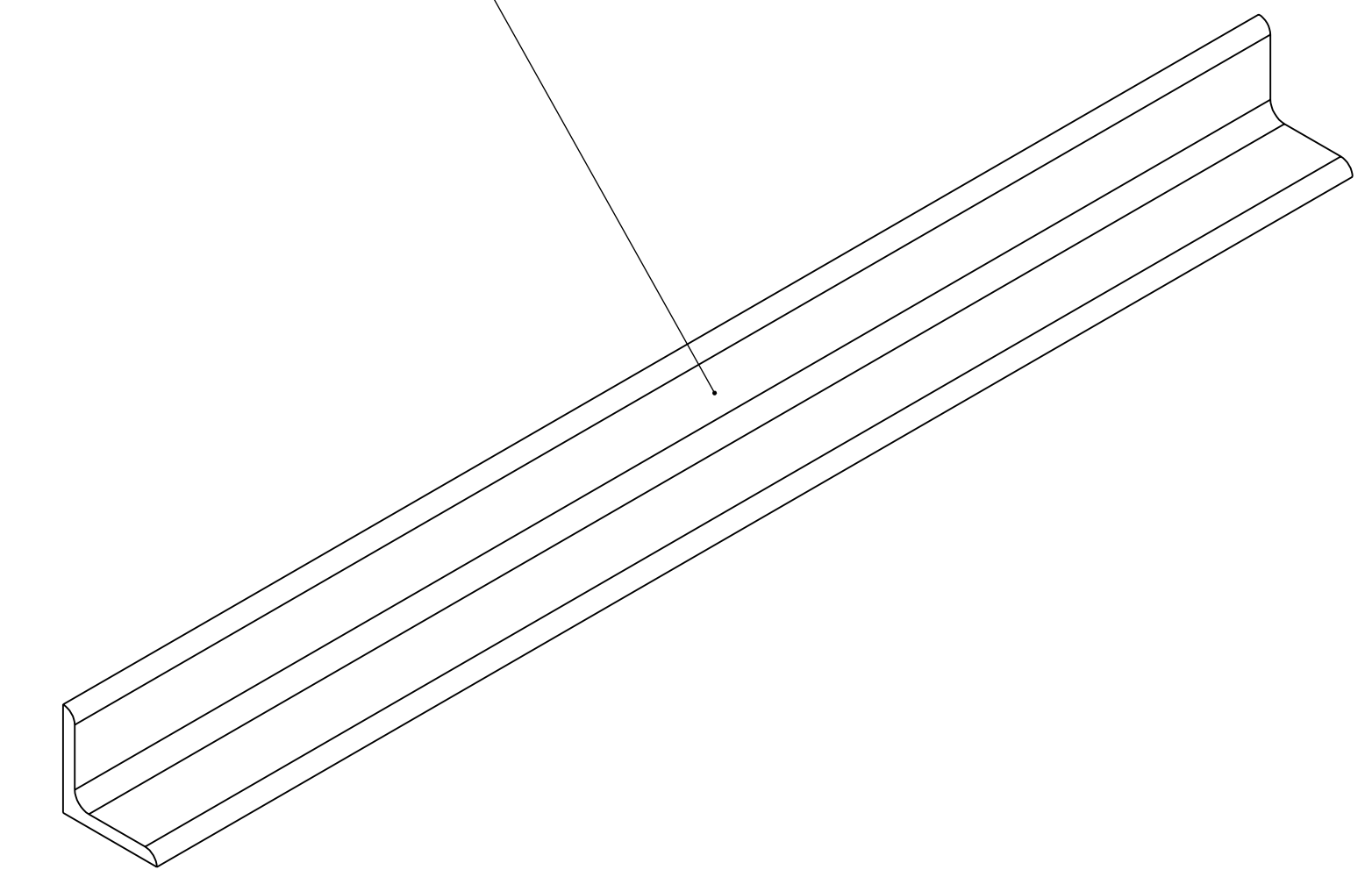
Tubolare 50x50x3



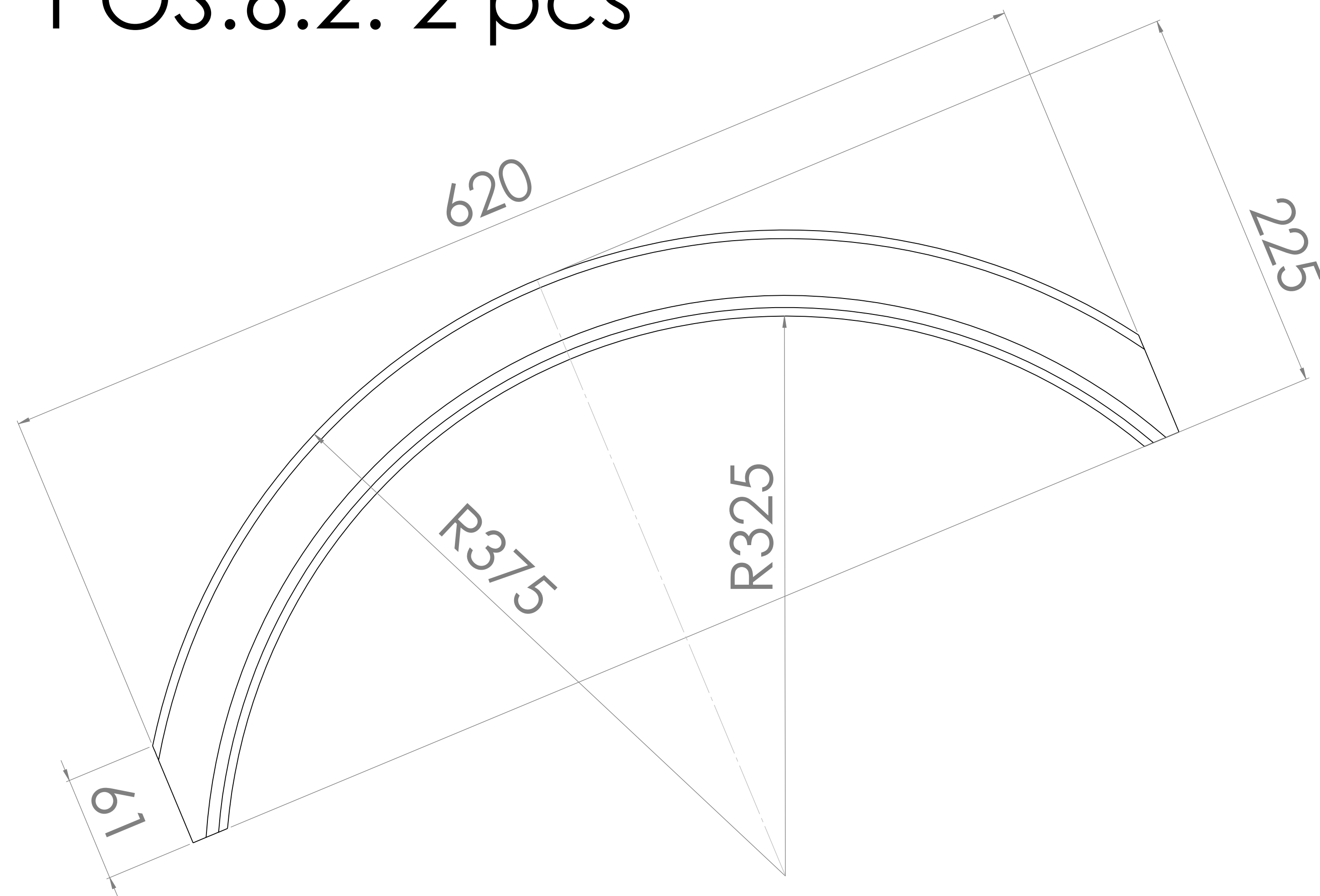
POS.6.3: 2 pcs



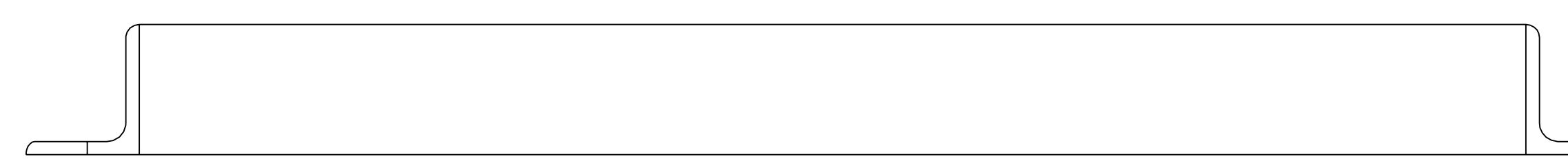
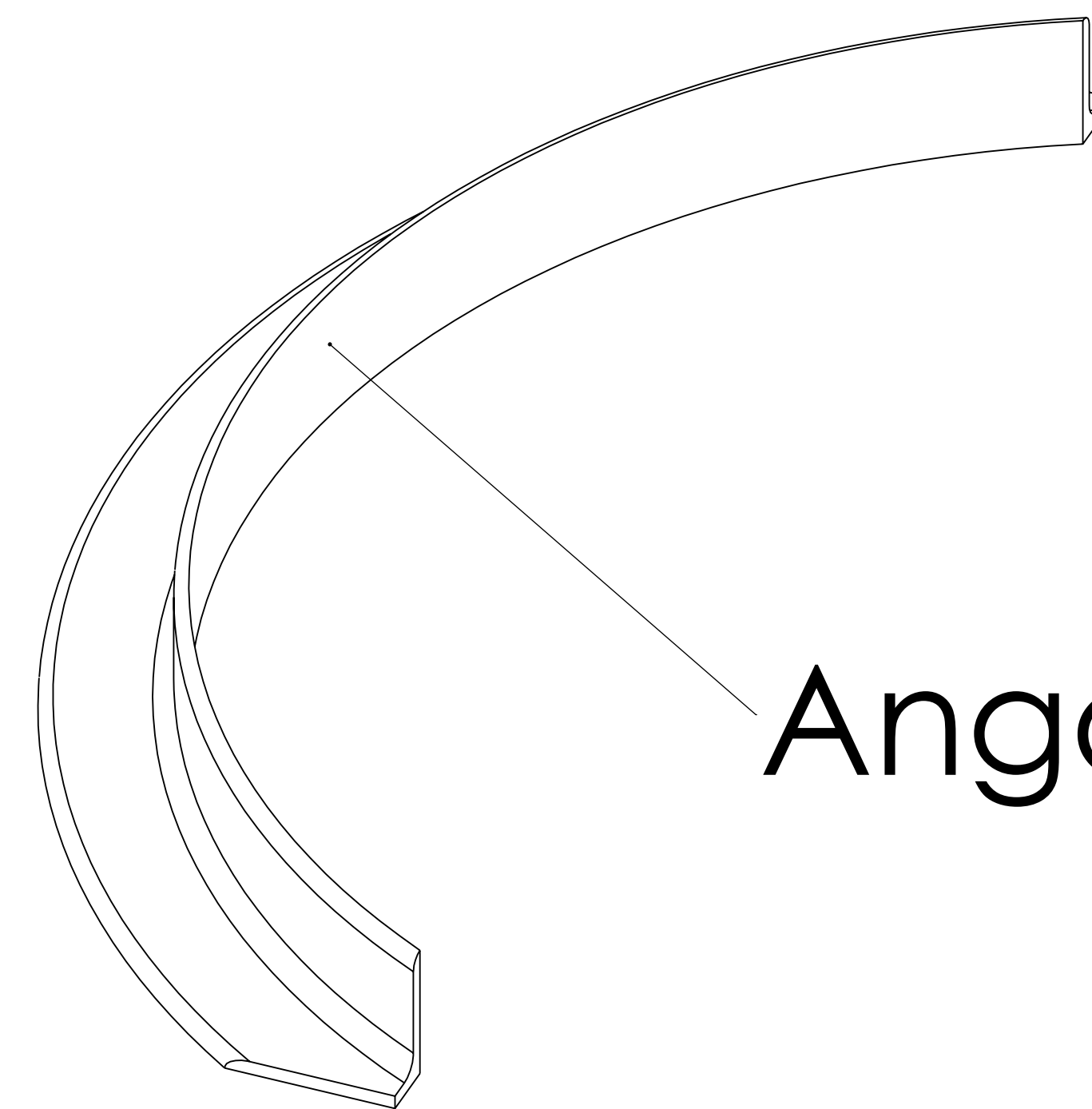
Angolare 40x40x5



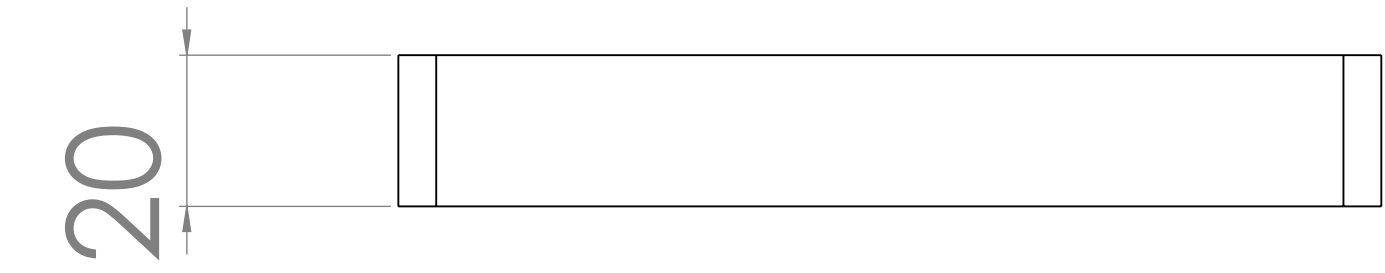
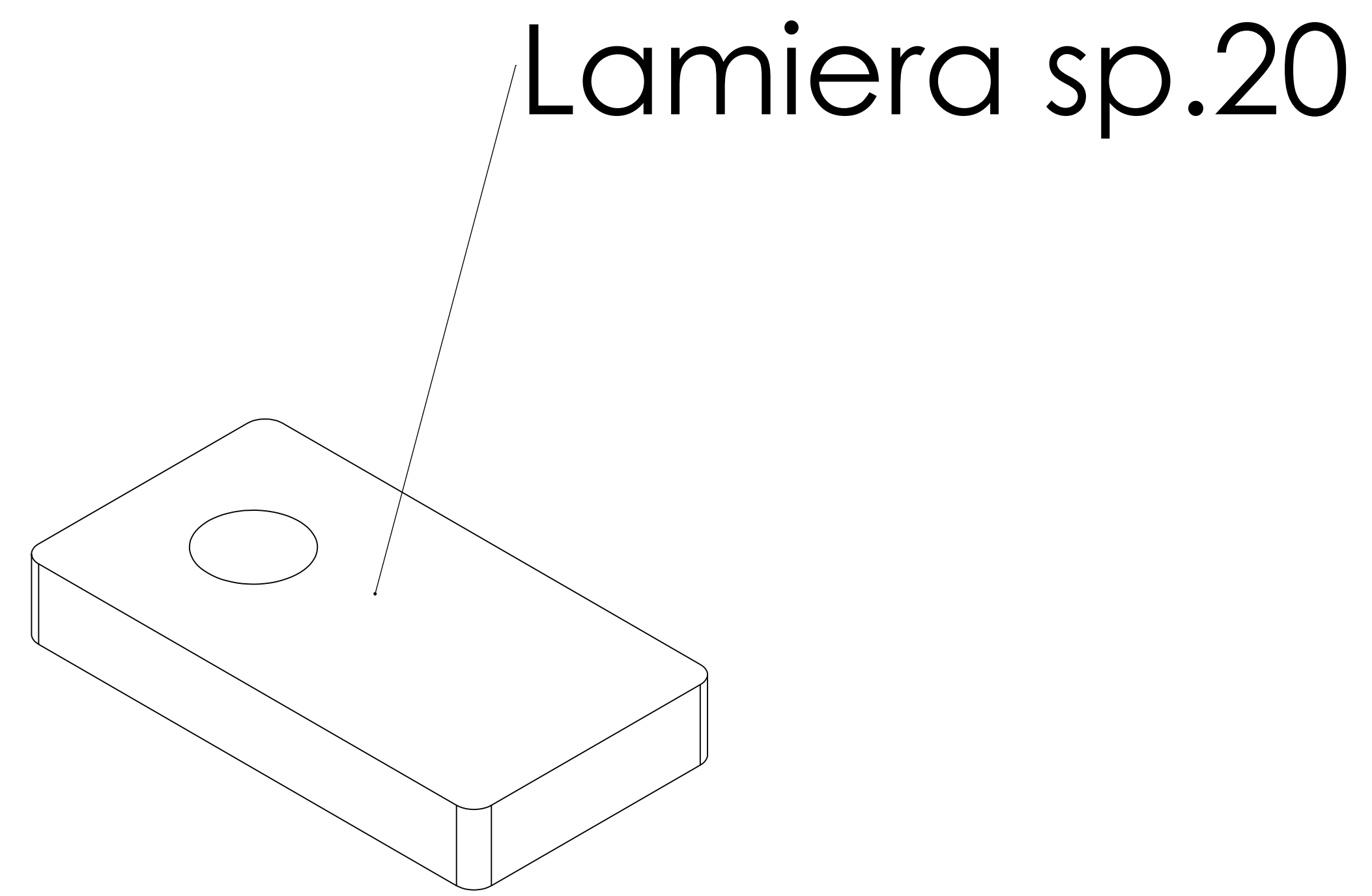
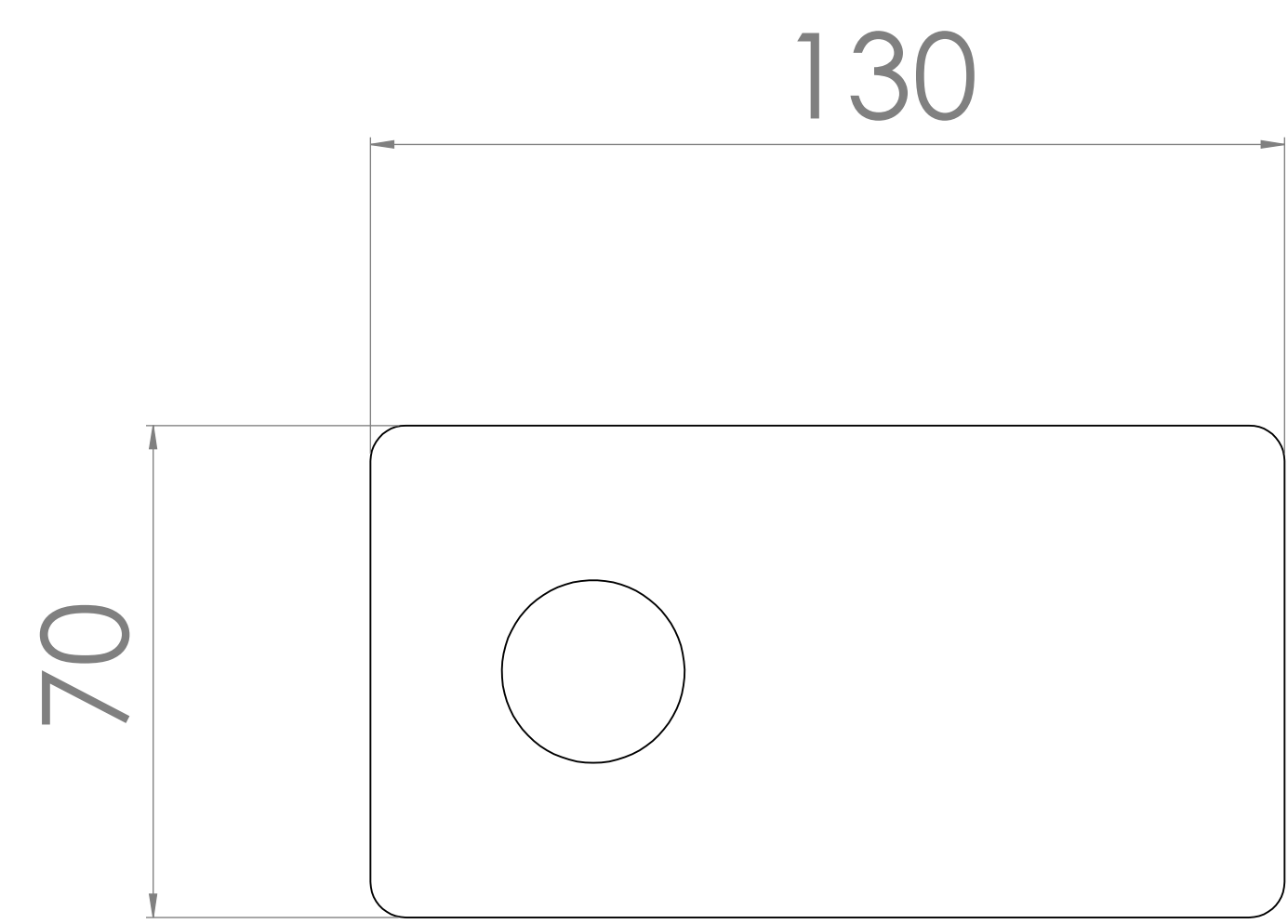
POS.6.2: 2 pcs



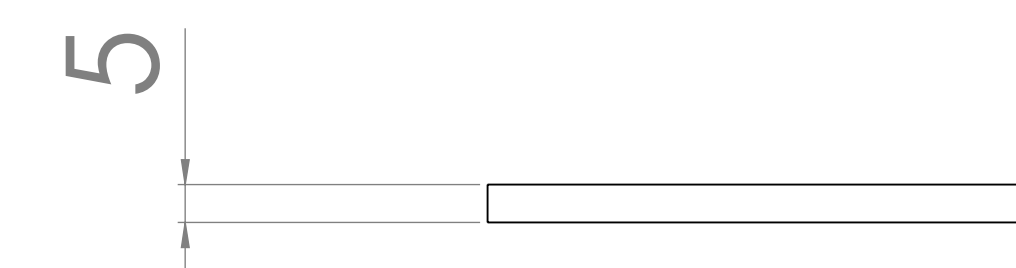
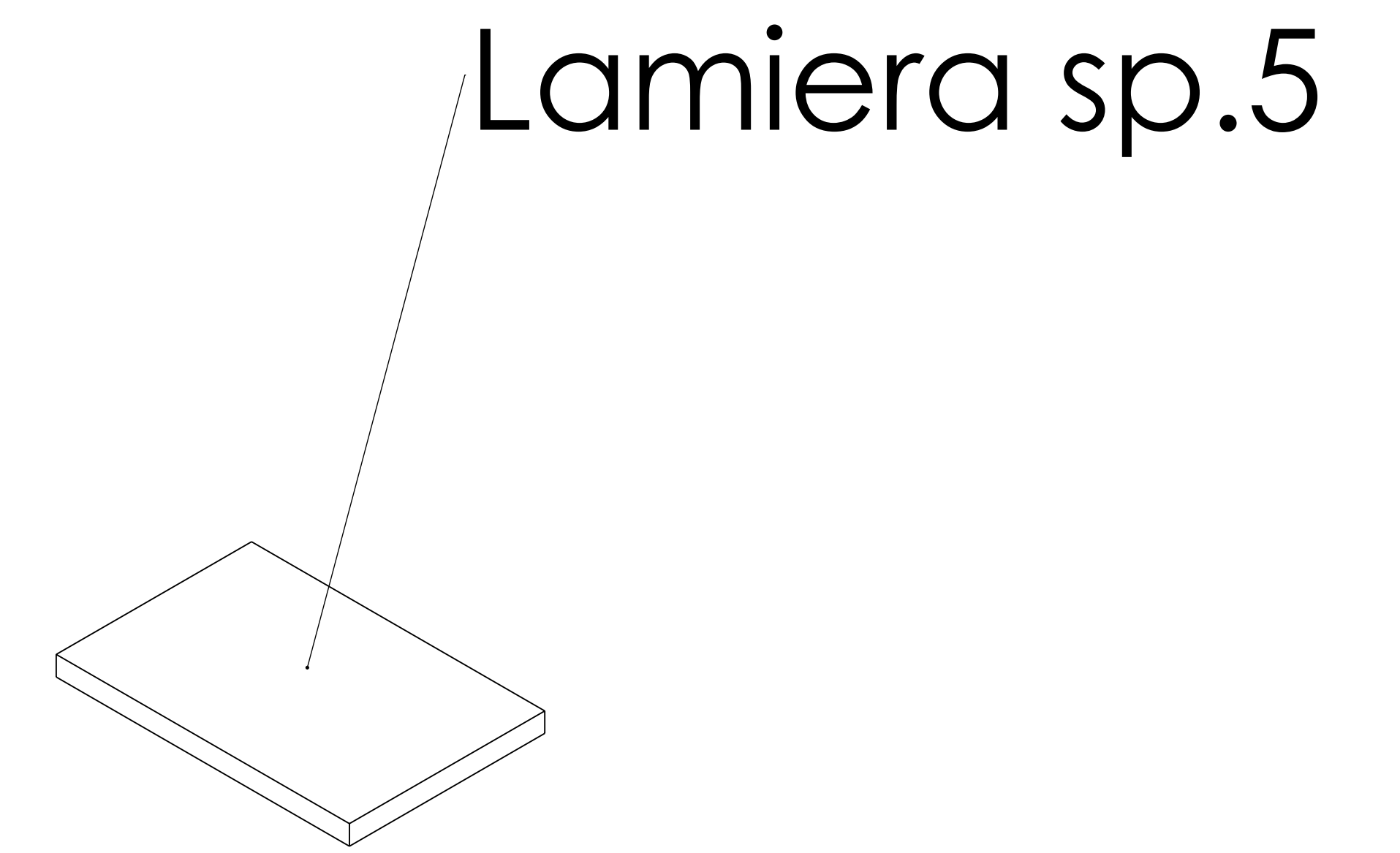
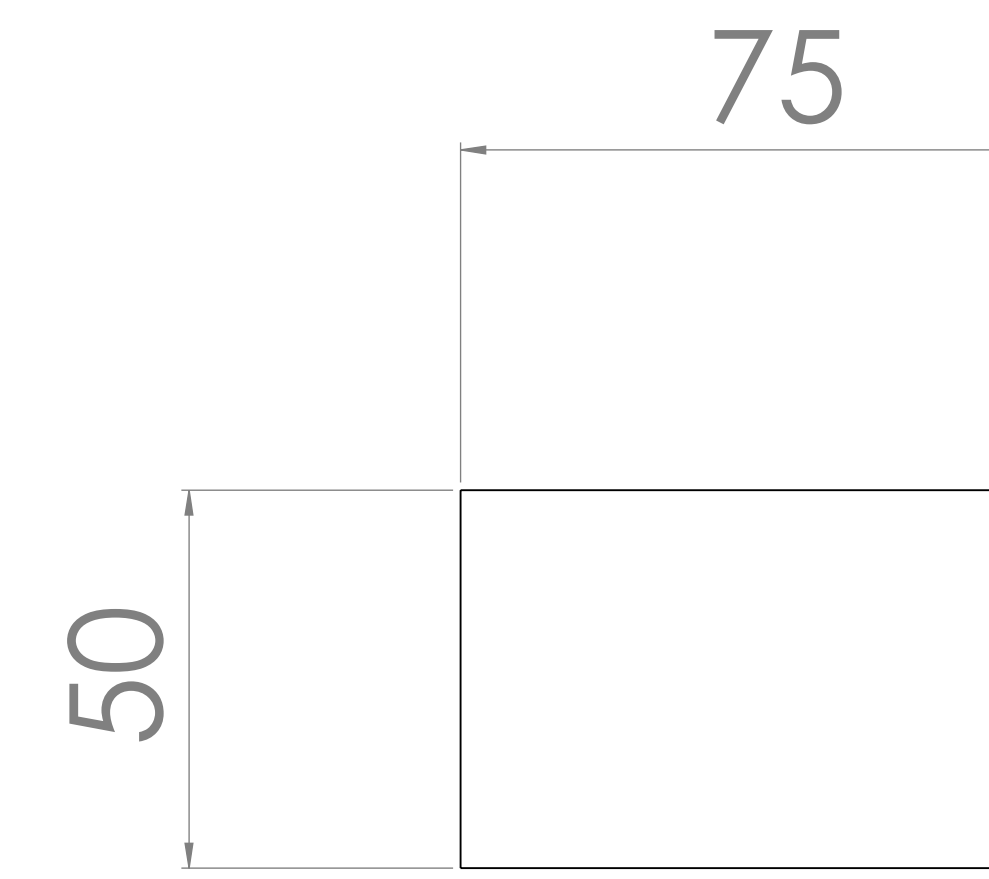
Angolare 50x50x5



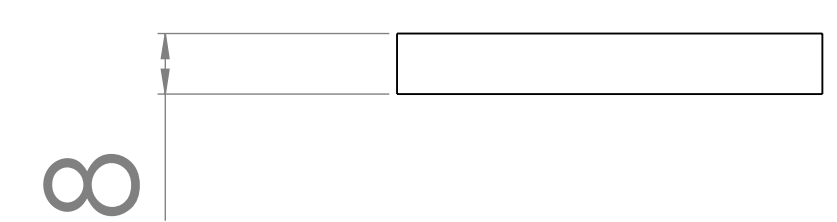
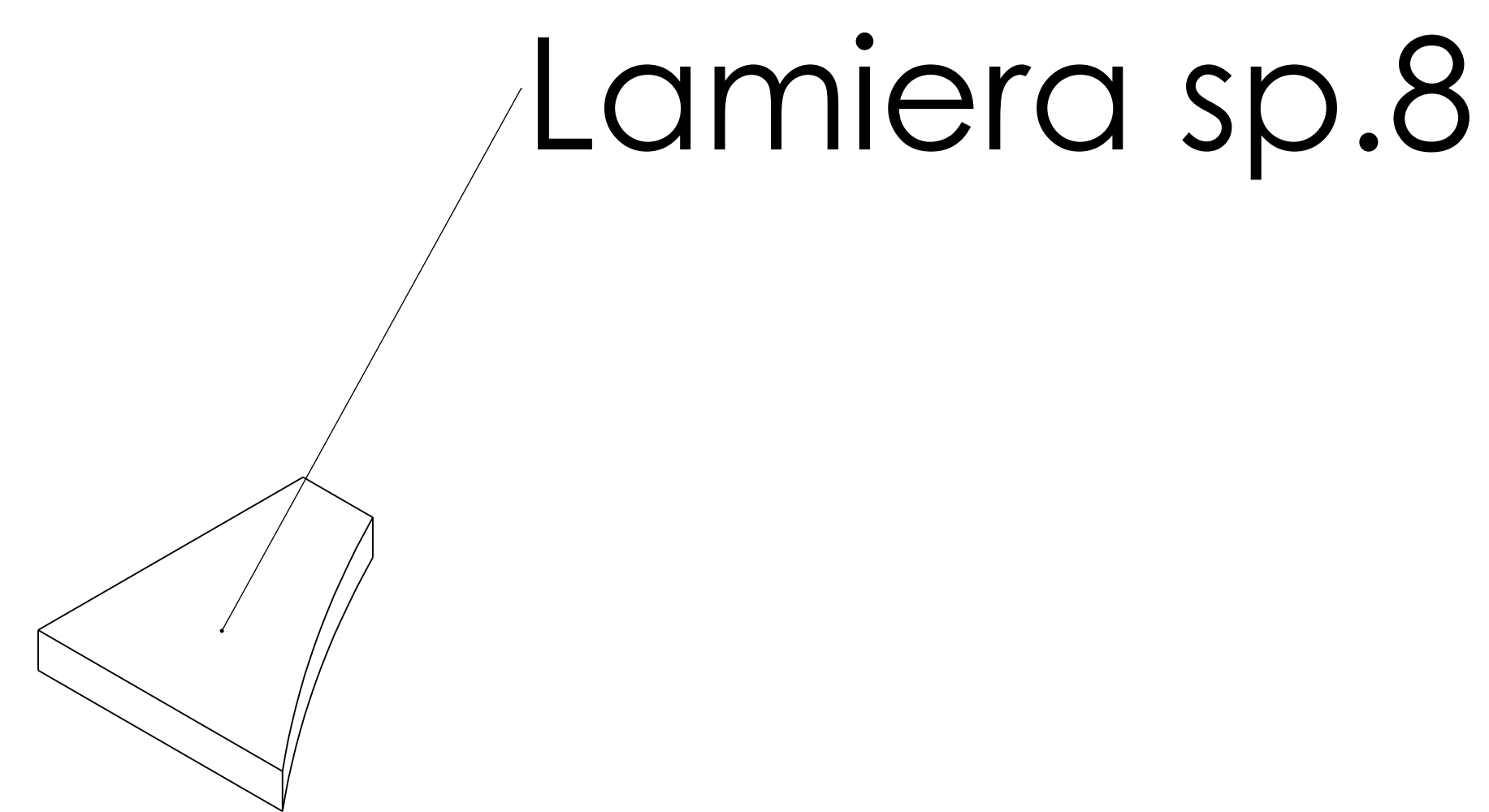
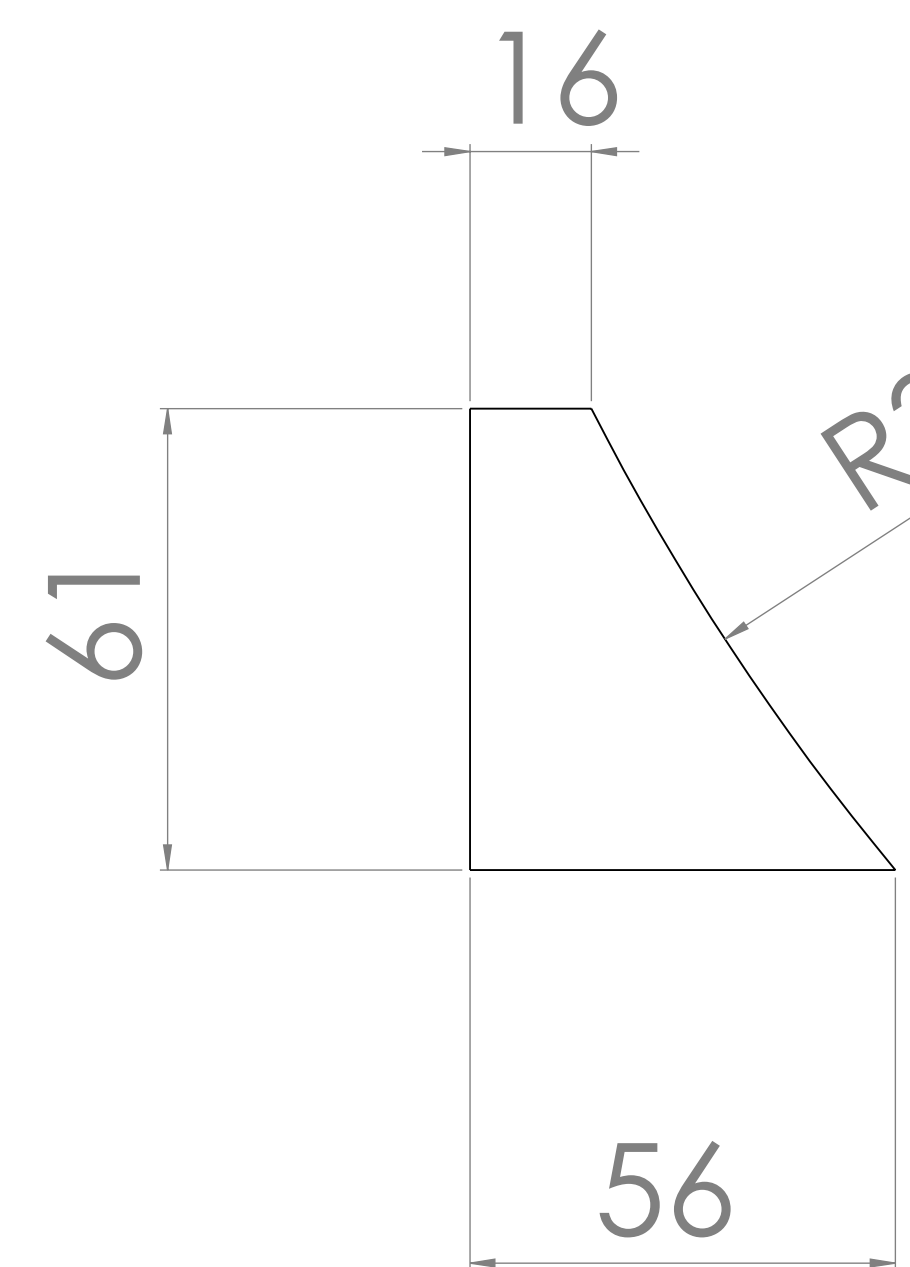
POS.6.4: 4 pcs



POS.6.5: 4 pcs



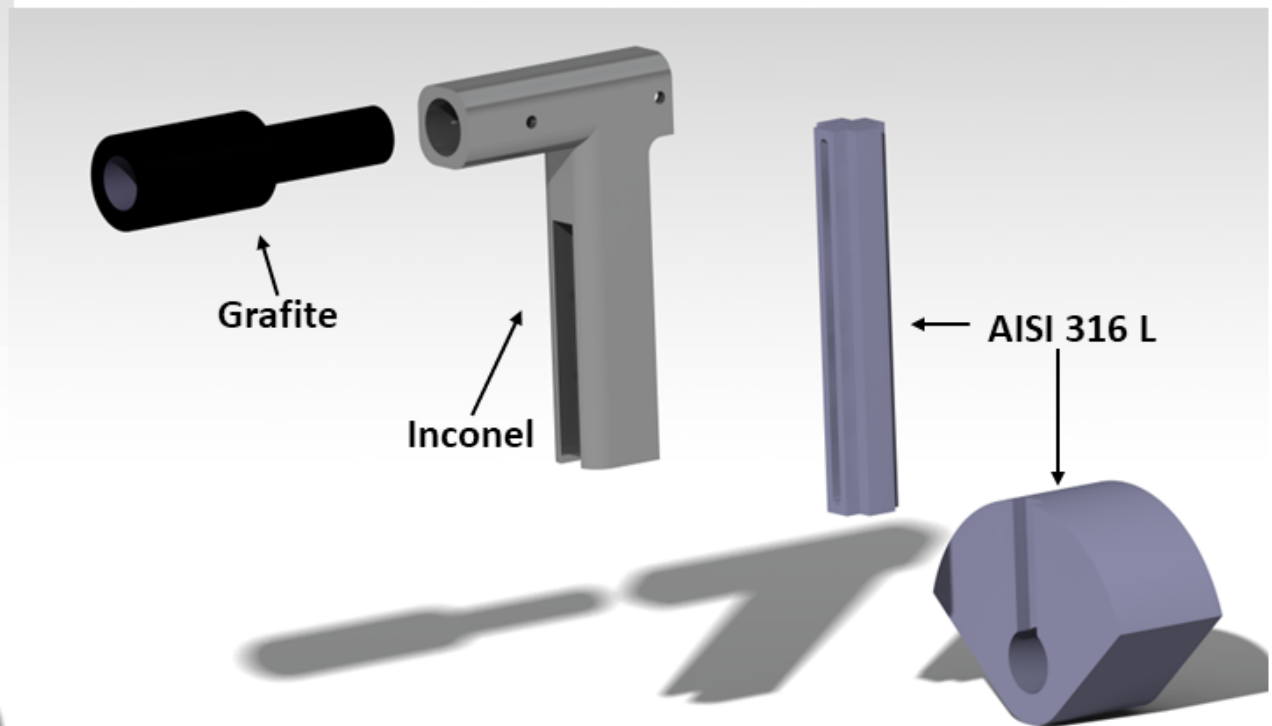
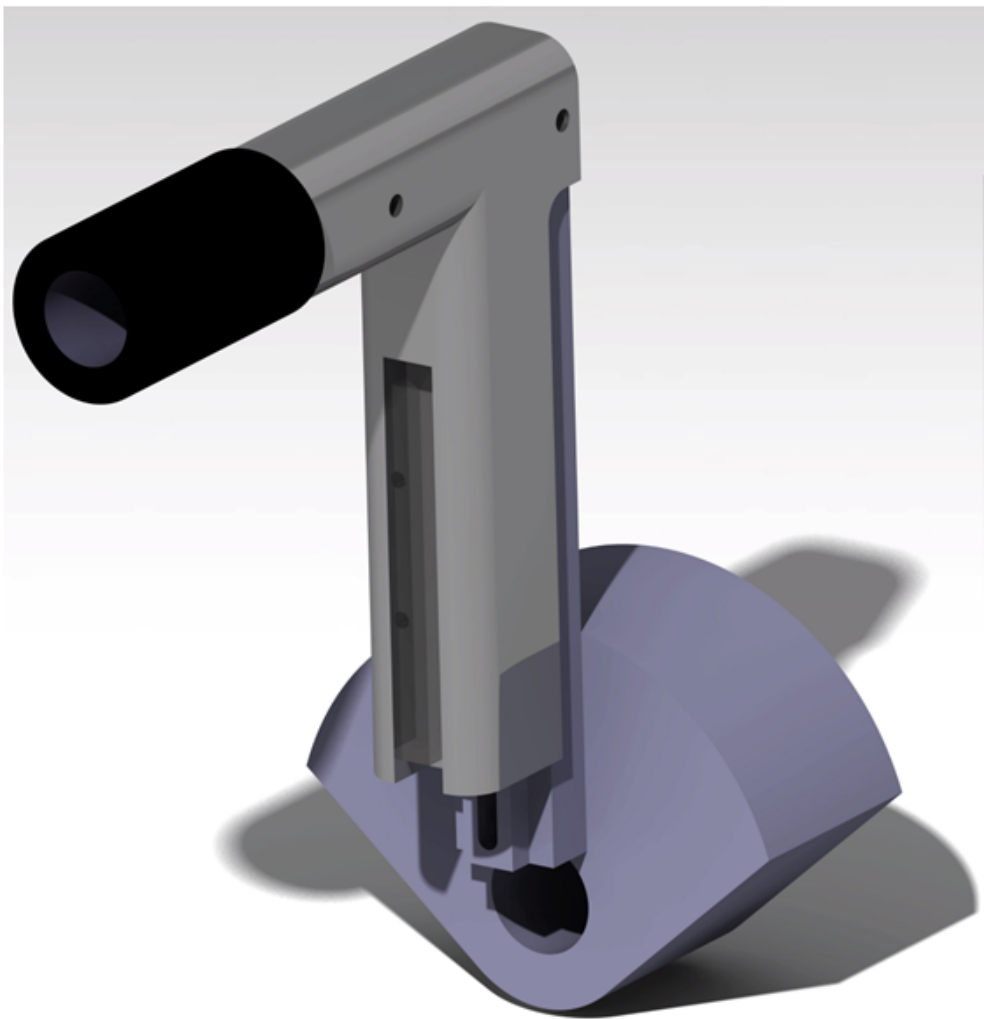
POS.6.6: 4 pcs





Allegato 5.1

Vista isometrica assieme calorimetro





Allegato 5.2

Interfaccia meccanica (acciaio AISI 316L)

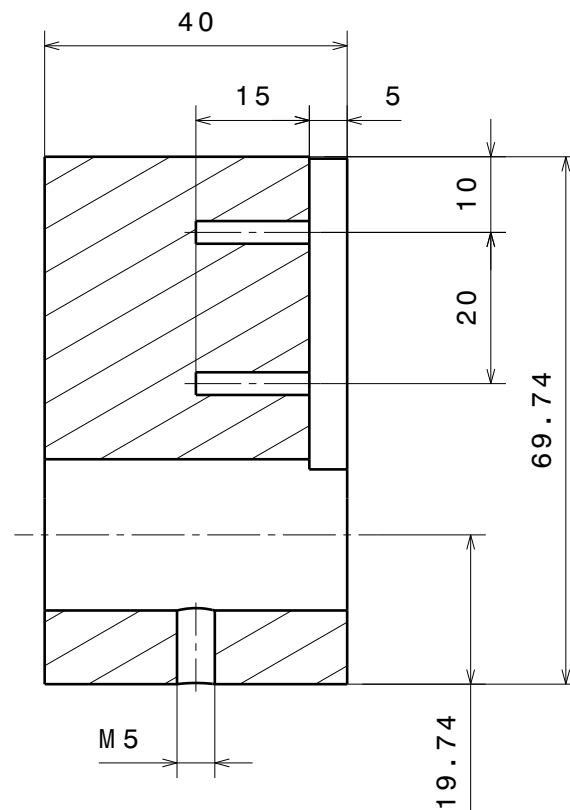
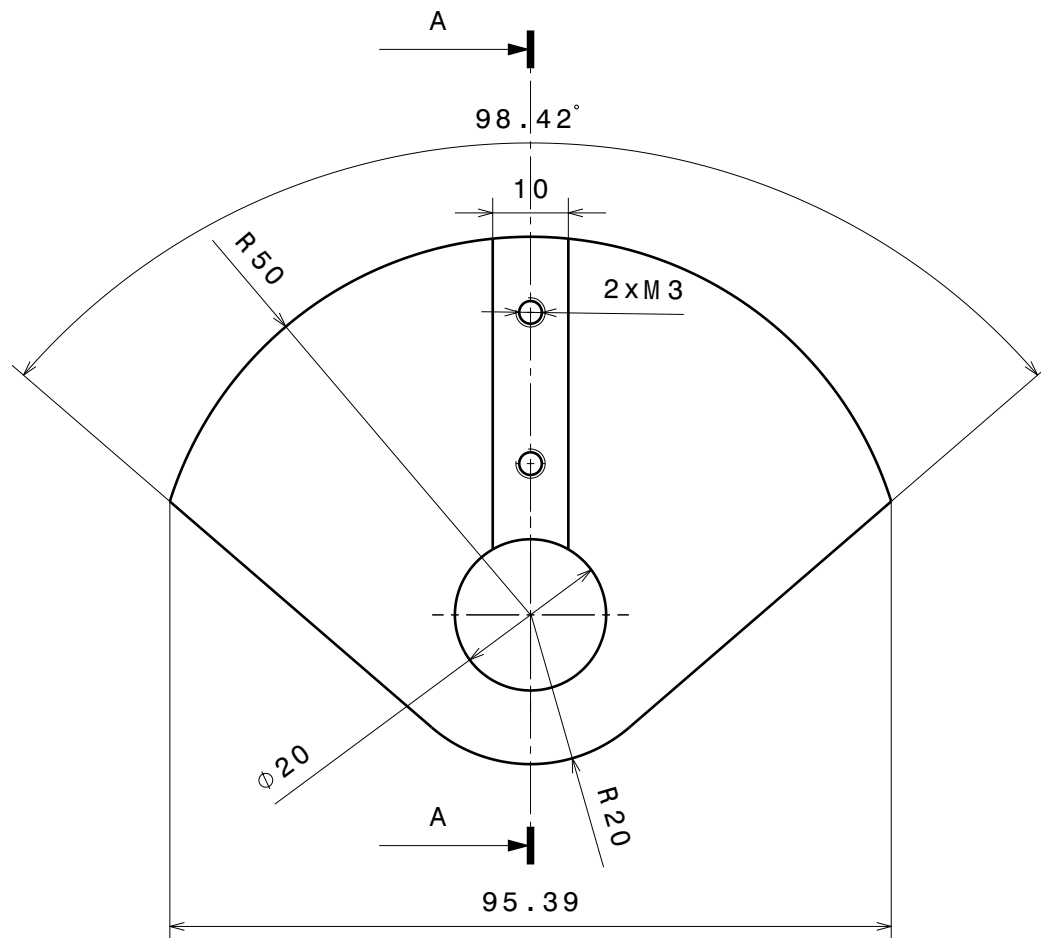
D

C

B

A

Vista in sezione A-A
Scala: 1:1



DESIGNED BY:	
DATE:	
CHECKED BY:	
DATE:	
SIZE	
A4	
SCALE	WEIGHT (kg)
1:1	

SUPPORTO MECCANICO CALORIMETRO			
		Interfaccia Meccanica	
NOTE		SHEET	
Unità di misura: mm		1 / 1	
Tolleranze: +/-0.01 su diametri e lunghezze			

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D

A



Allegato 5.3

Barra di supporto (acciaio AISI 316L)

D

C

B

A

4

4

3

3

2

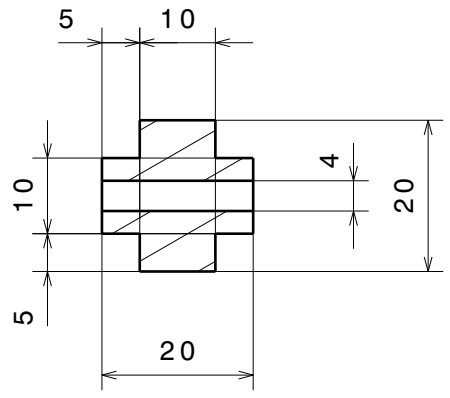
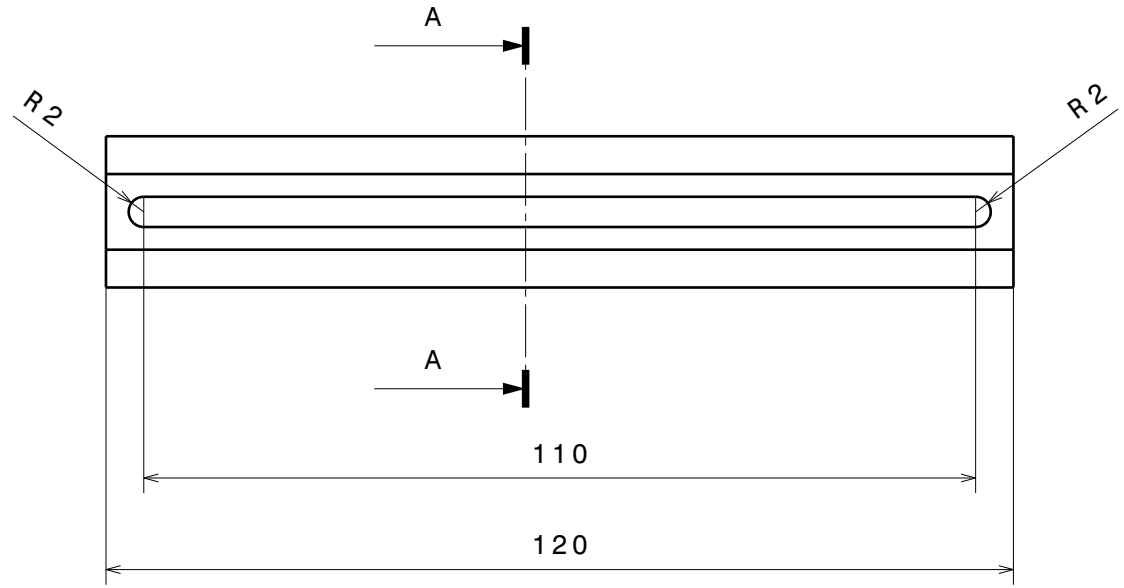
2

1

1

D

A



Vista in sezione A-A

DESIGNED BY:
DATE:
CHECKED BY:
DATE:

SUPPORTO MECCANICO CALORIMETRO

SIZE
A4

Barra di supporto

SCALE
1:1

WEIGHT (kg)
0.03

DRAWING NUMBER
Unità di misura: mm
Tolleranze: +/-0.01 su diametri e lunghezze

SHEET
1/1

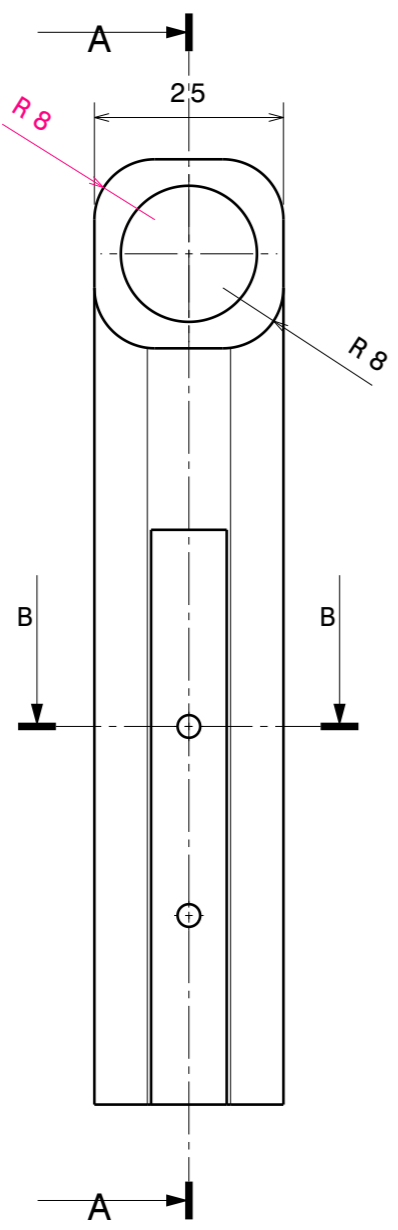
I	-
H	-
G	-
F	-
E	-
D	-
C	-
B	-
A	-

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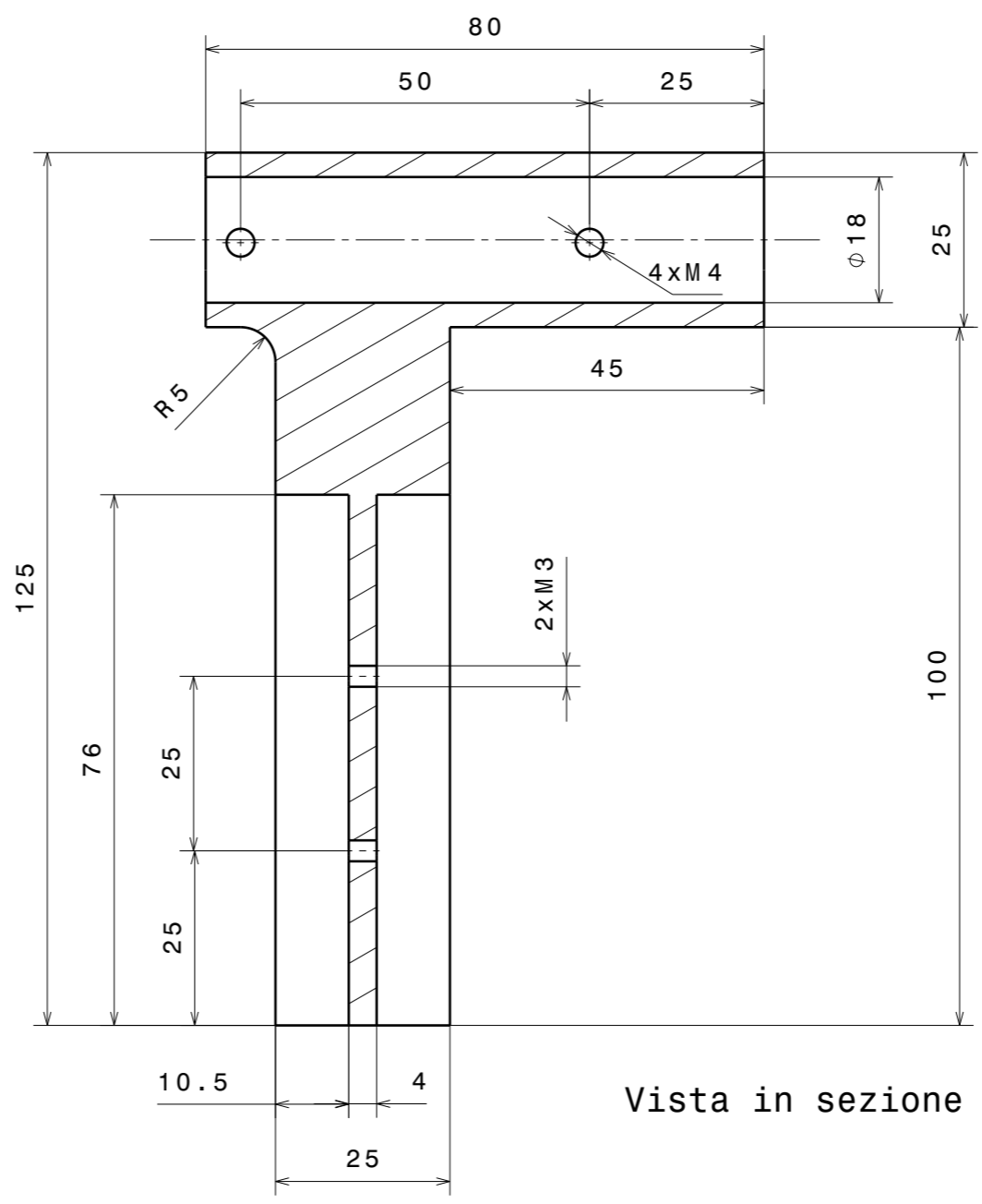
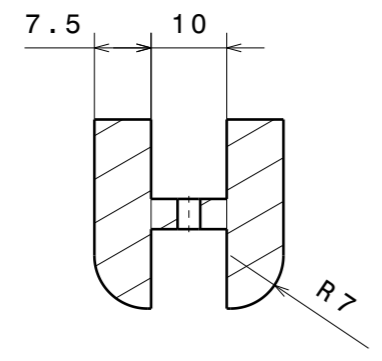


Allegato 5.4

Braccio meccanico (Inconel)



Vista in sezione B-B

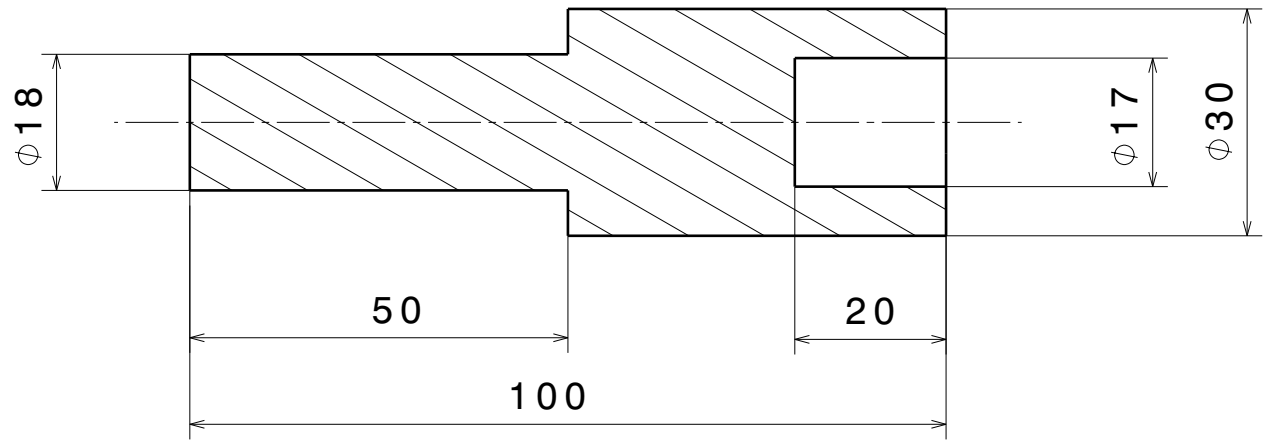
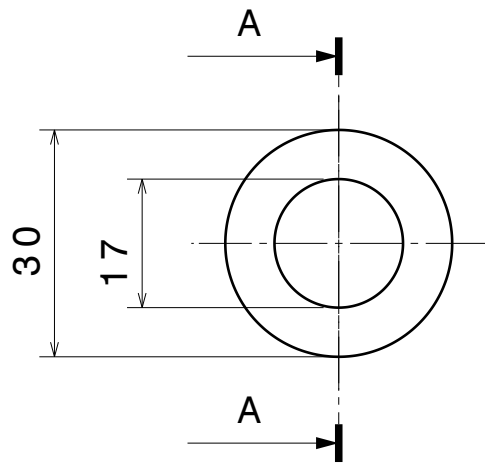


Vista in sezione A-A

DESIGNED BY:		SUPPORTO MECCANICO CALORIMETRO		I	-
DATE:				H	-
CHECKED BY:				G	-
DATE:		Braccio Meccanico		F	-
SIZE				E	-
A3		Unità di misura: mm Tolleranze: +/-0.01 su diametri e lunghezze		D	-
SCALE	WEIGHT (kg)			C	-
1:1		NOTE		B	-
				SHEET	
This drawing is our property; it can't be reproduced or communicated without our written agreement.					



Allegato 5.5 Portasonda (grafite)

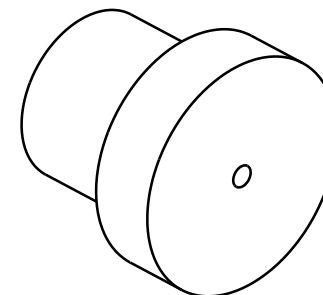
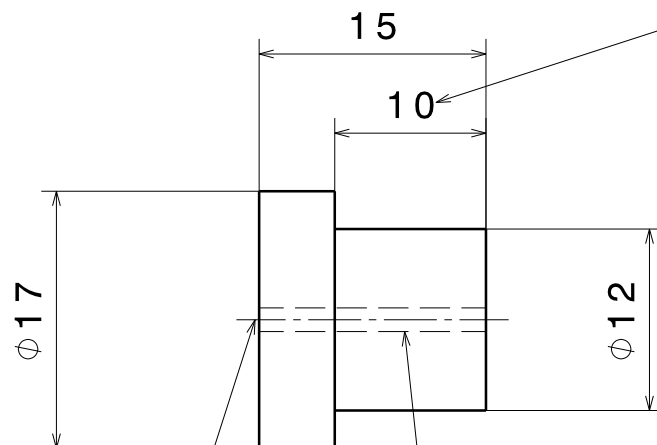




Allegato 5.6 Sonda (ottone)

Dimensioni in mm

Questa dimensione può essere leggermente modificata se necessario (ma deve essere >5)



Superficie del sensore esposta al flusso

Foro filettato per assemblaggio termocoppia