

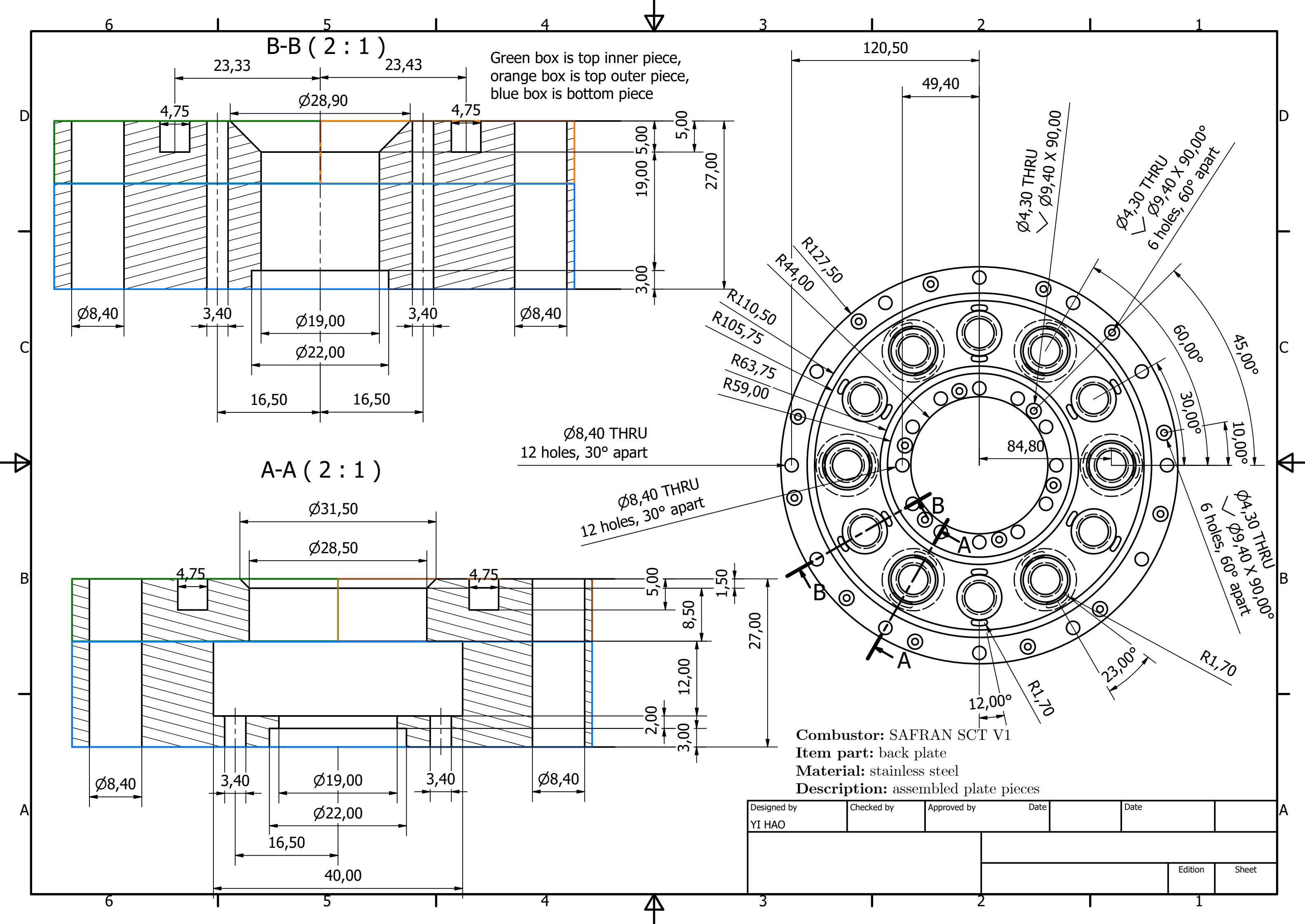
**Combustor:** SAFRAN SCT V1  
**Item part:** components of back plate  
**Material:** stainless steel  
**Description:** visualisation of plate assembly

bottom piece x1

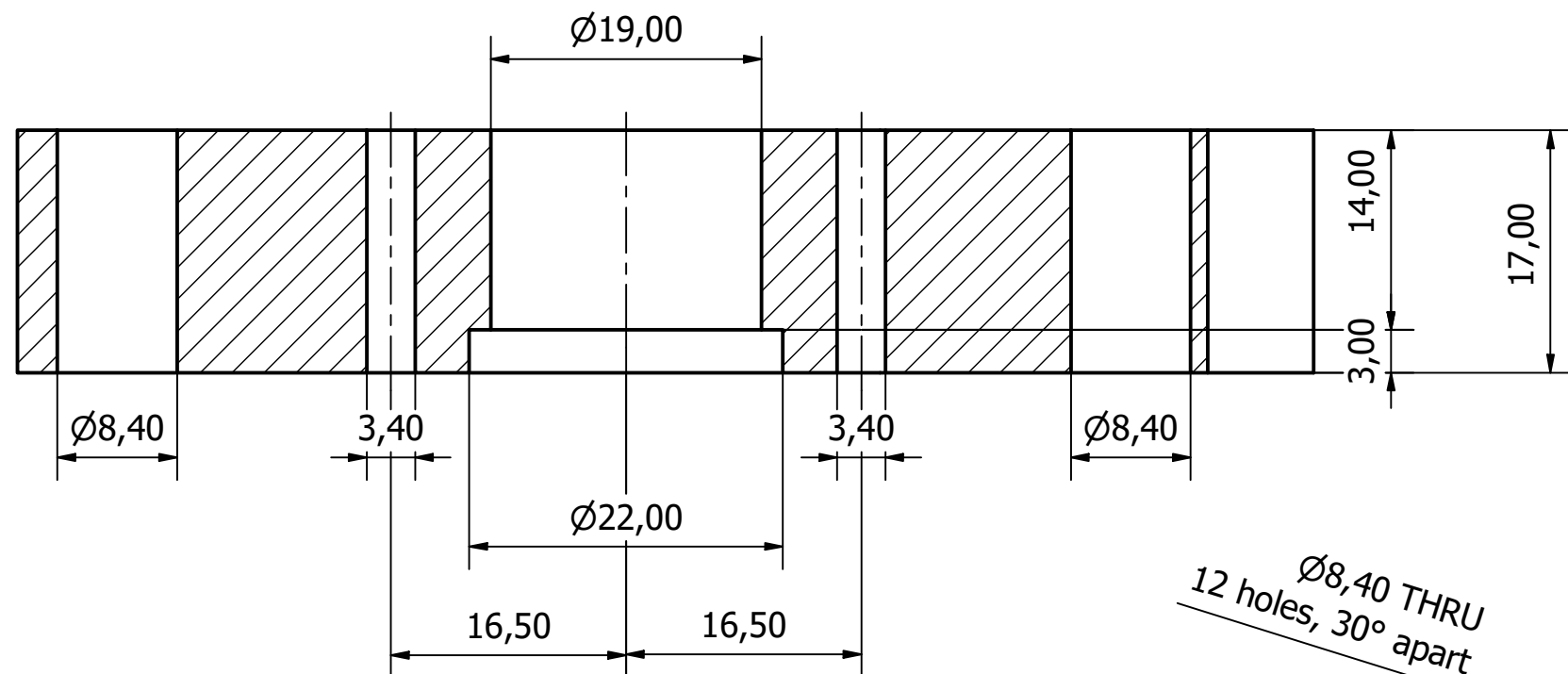
top inner piece x6

top outer piece x6

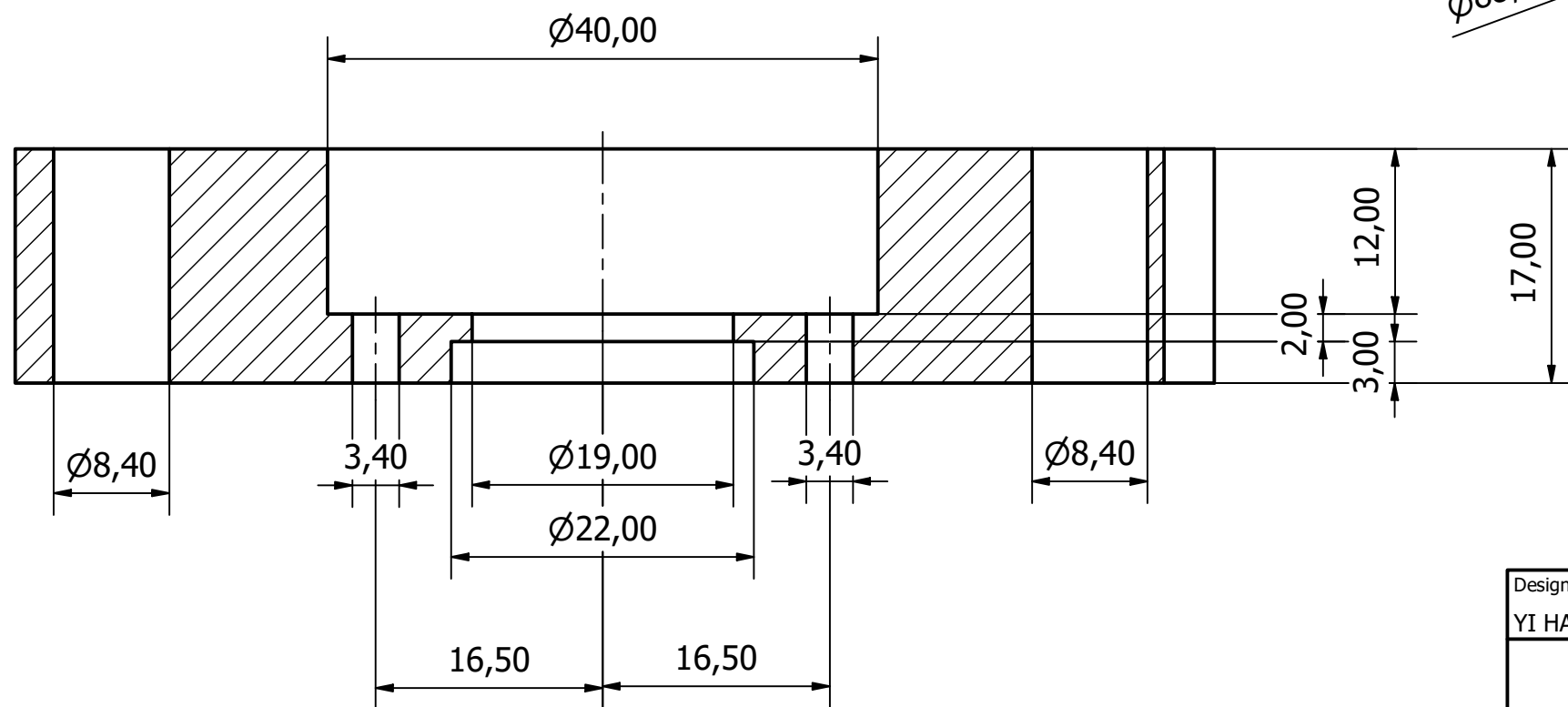
Designed by YI HAO	Checked by	Approved by	Date		Date	
					Edition	Sheet



B-B ( 2 : 1 )



A-A ( 2 : 1 )



Combustor: SAFRAN SCT V1  
Item part: bottom piece of back plate  
Material: stainless steel

$\varnothing 8,40$  THRU  
12 holes, 30° apart

$\varnothing 255,00$

$\varnothing 88,00$

$\varnothing 4,30$  THRU  
6 holes, 60° apart

$\varnothing 4,30$  THRU  
6 holes, 60° apart

$\varnothing 4,30$  THRU  
6 holes, 60° apart

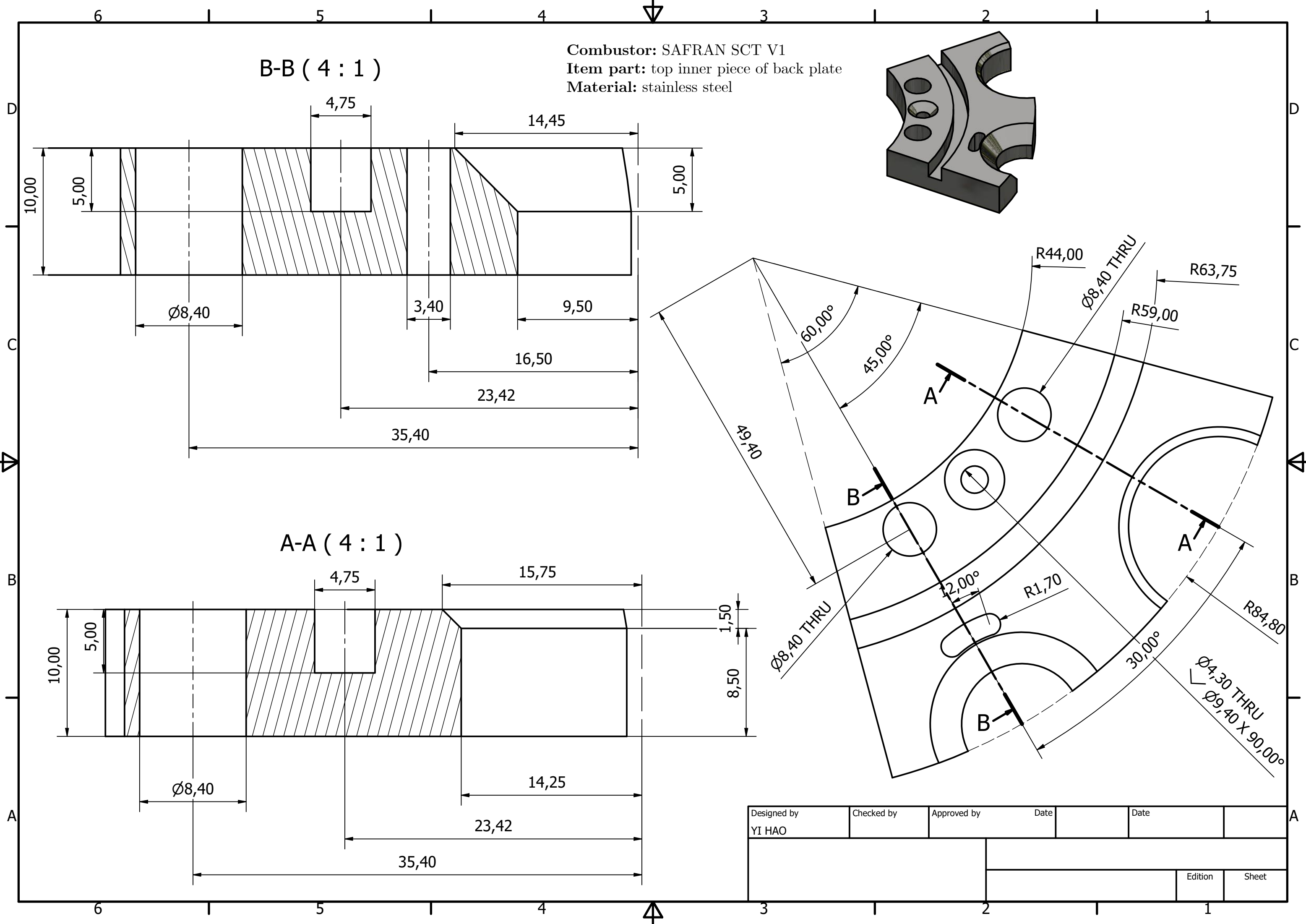
12,00°

R1,70

23,00°

R1,70

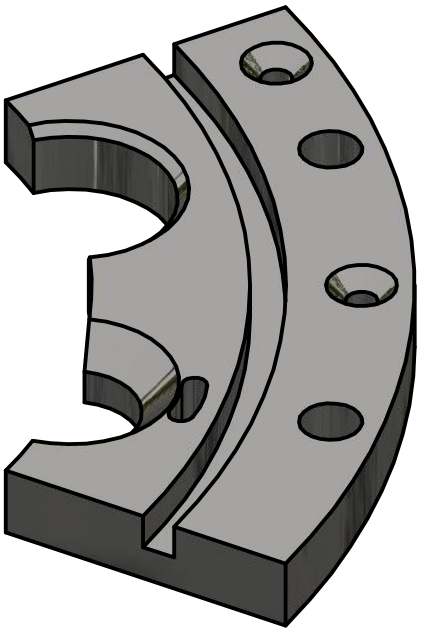
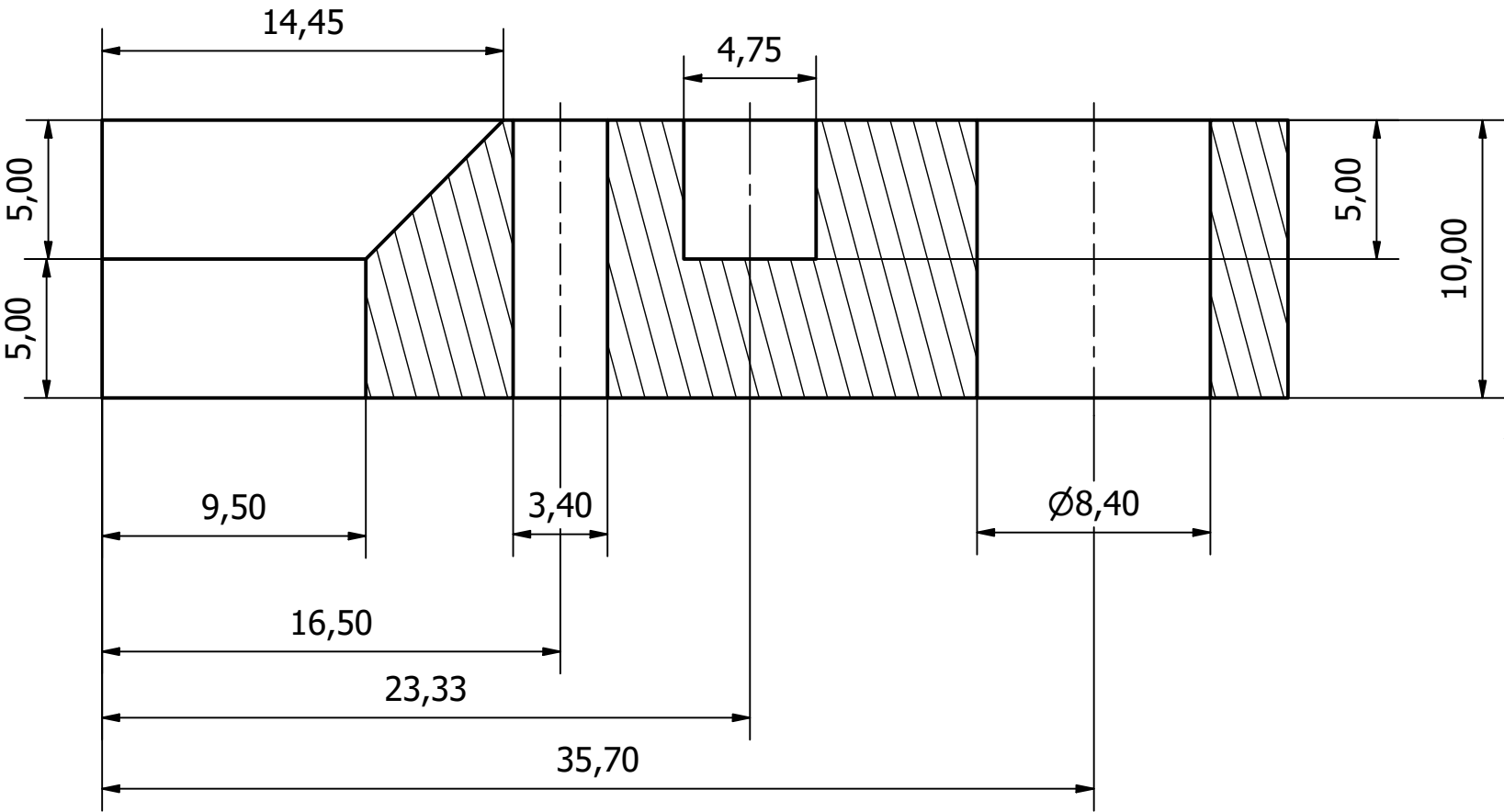
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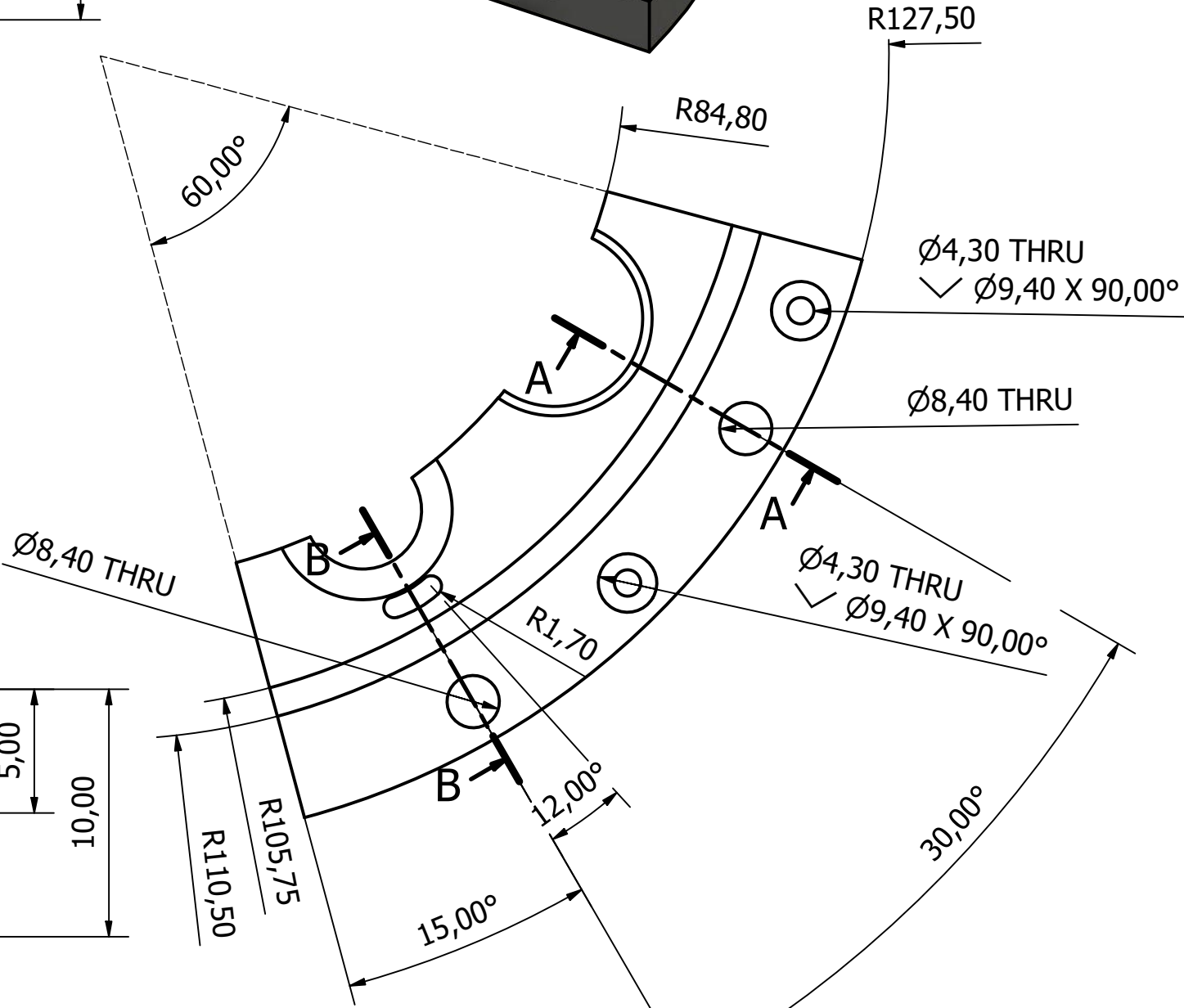
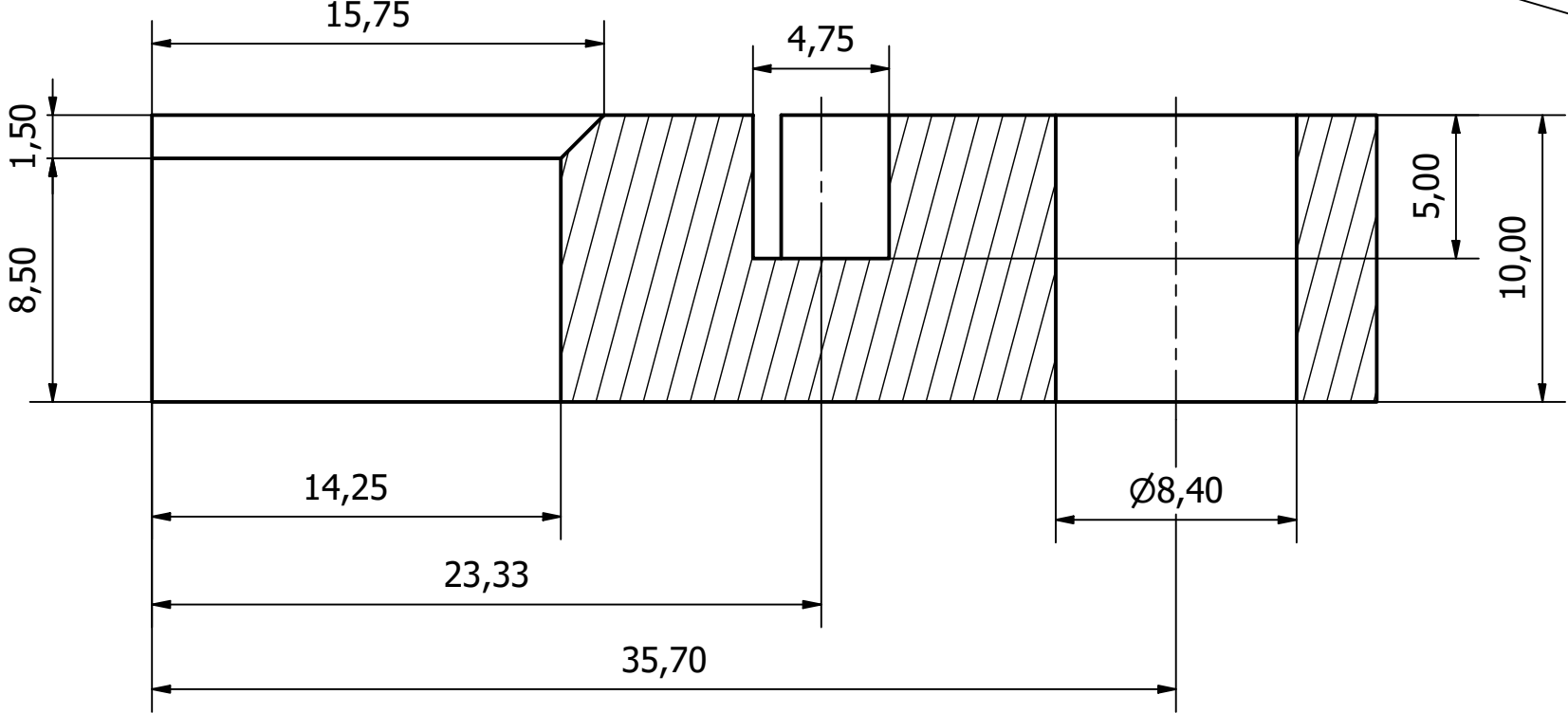
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					Edition	Sheet

Combustor: SAFRAN SCT V1  
Item part: top outer piece of back plate  
Material: stainless steel

B-B ( 4 : 1 )

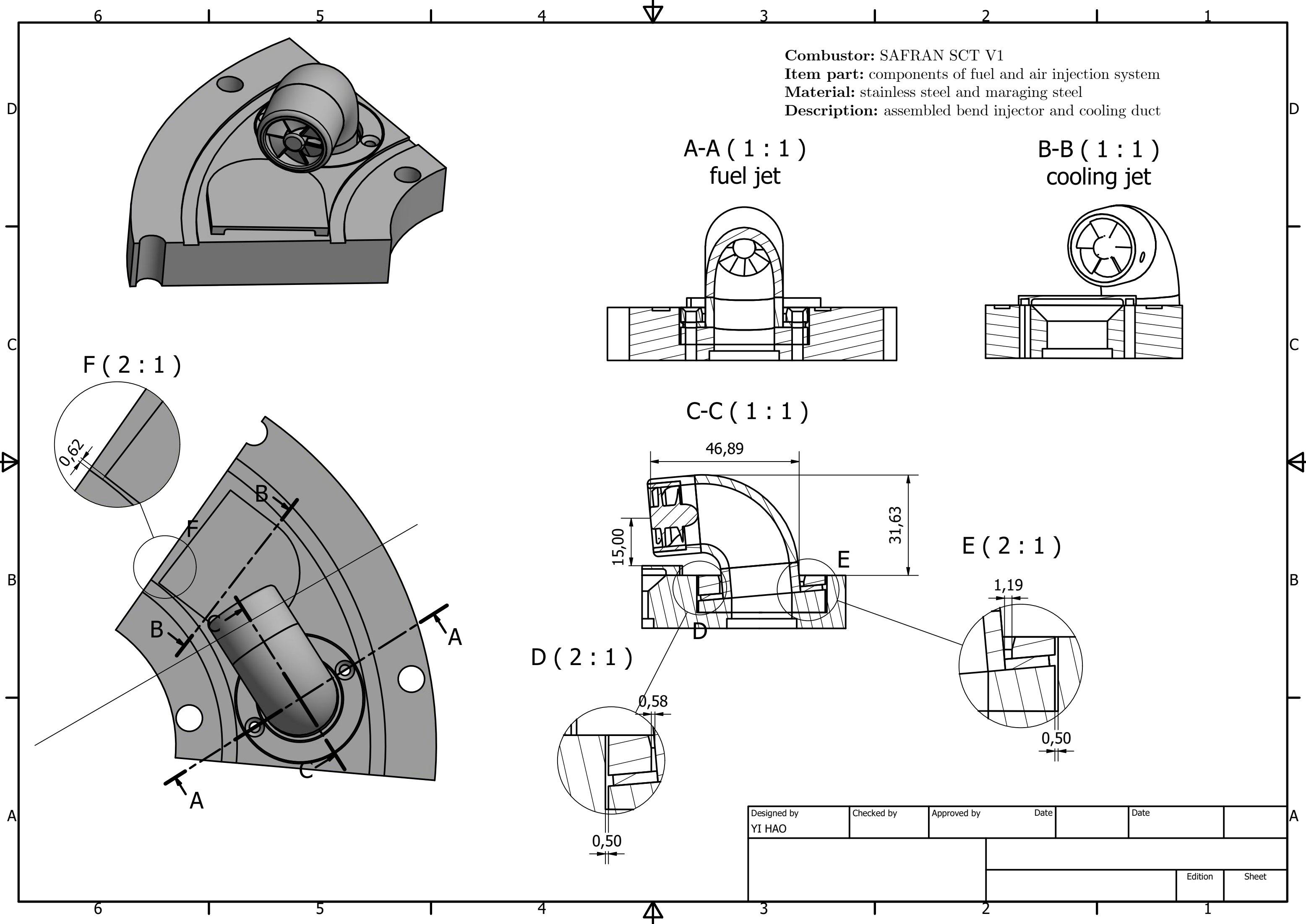


A-A ( 4 : 1 )



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			Edition		
			Sheet		





**Combustor:** SAFRAN SCT V1  
**Item part:** components of fuel and air injection system  
**Material:** stainless steel and maraging steel  
**Description:** assembled bend injector and cooling duct

A-A ( 1 : 1 )  
fuel jet

B-B ( 1 : 1 )  
cooling jet

C-C ( 1 : 1 )

E ( 2 : 1 )

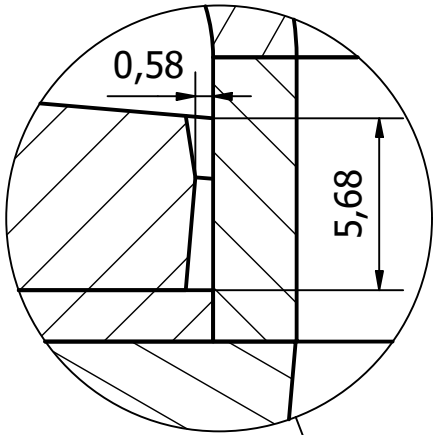
D ( 2 : 1 )

F ( 2 : 1 )

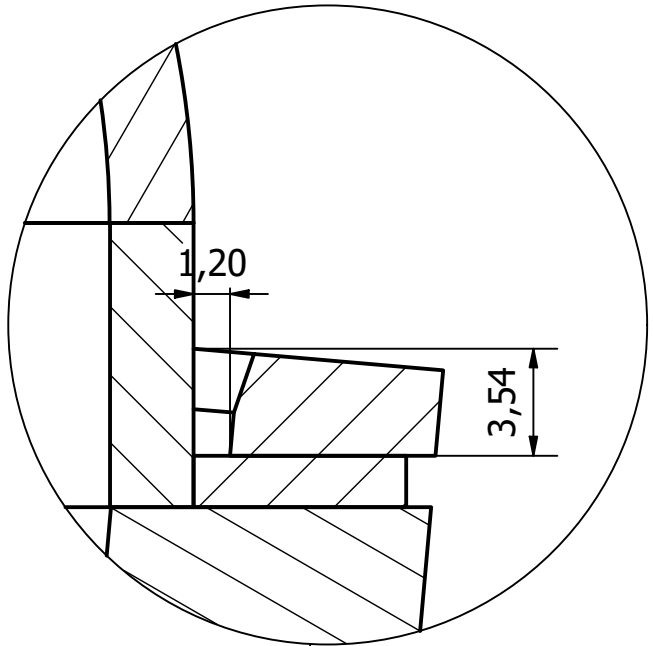
Designed by YI HAO	Checked by	Approved by	Date		Date	
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Combustor: SAFRAN SCT V1  
Item part: components of bend fuel injector  
Material: stainless steel and maraging steel  
Description: assembled bend injector and wedge

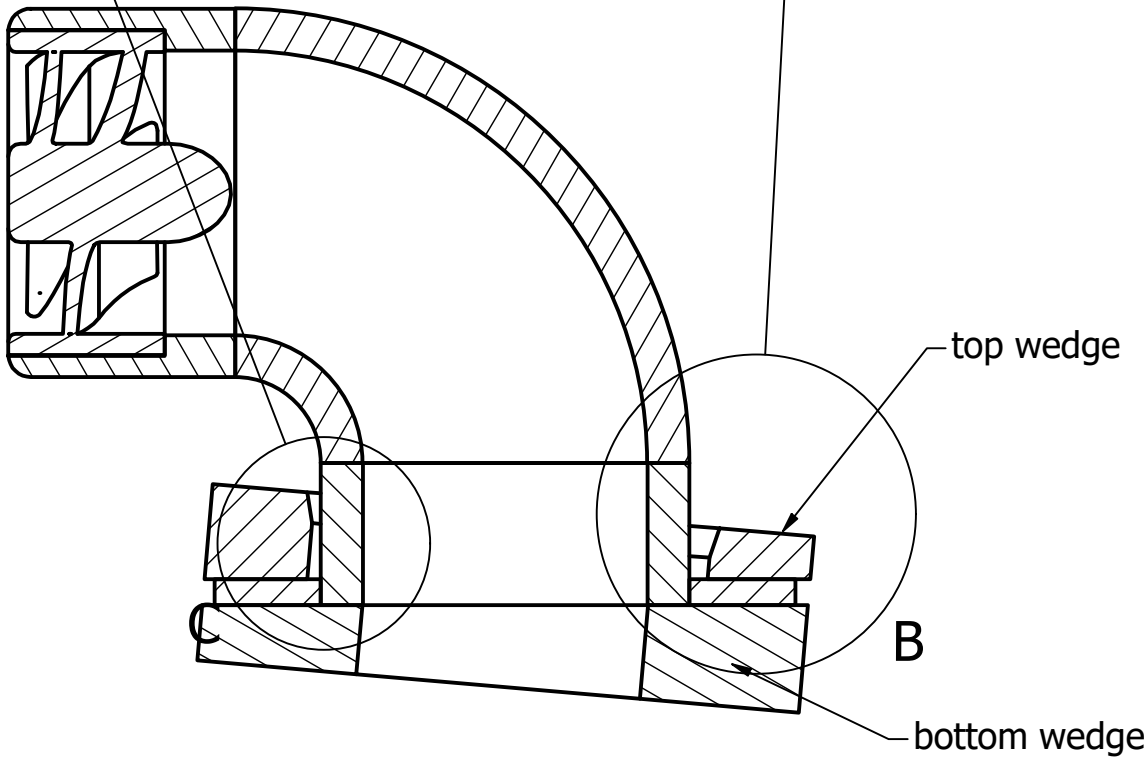
C ( 4 : 1 )



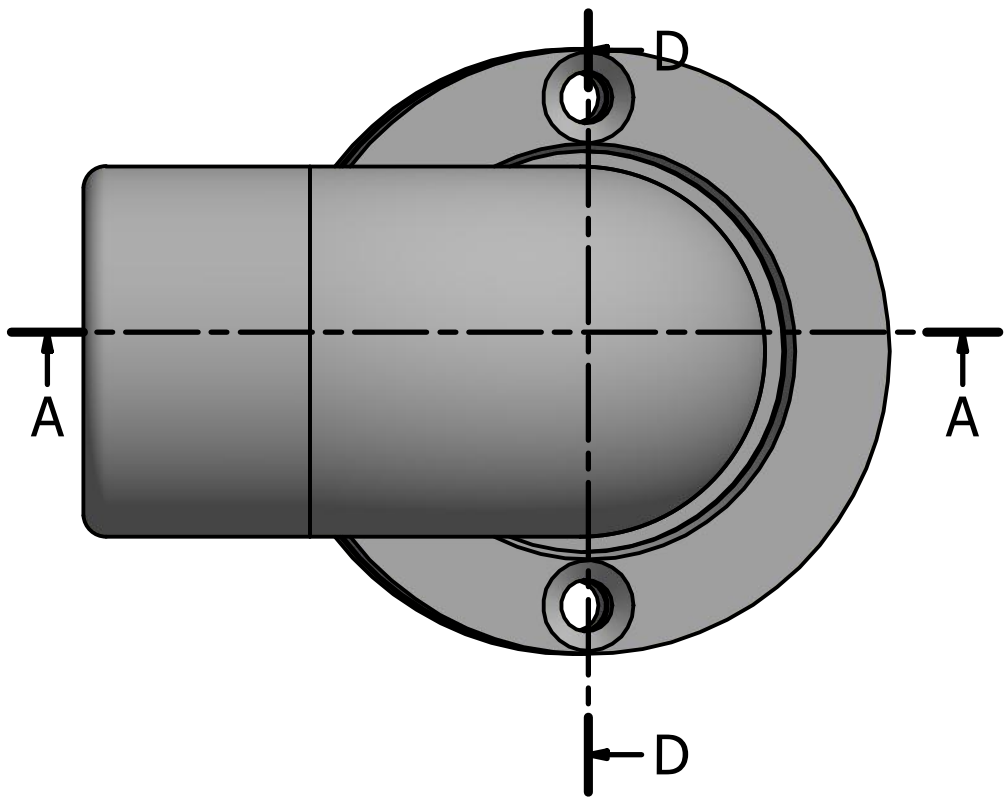
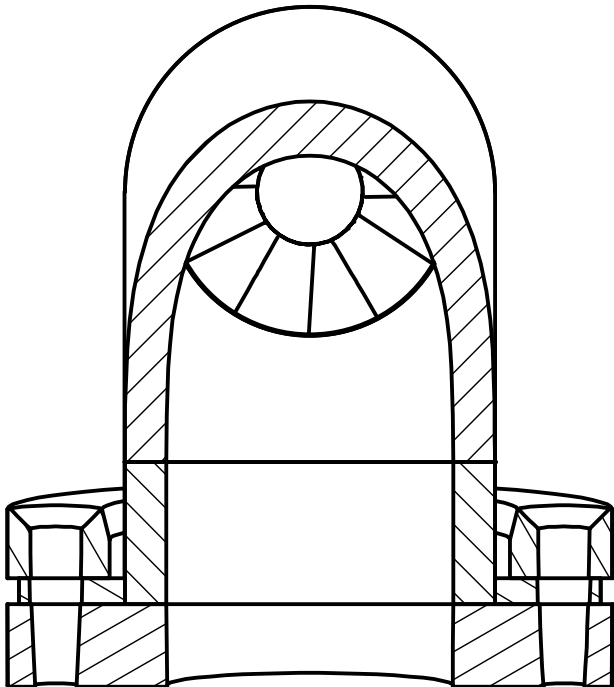
B ( 4 : 1 )



A-A ( 2 : 1 )



D-D ( 2 : 1 )



6 5 4 3 2 1

D

C

B

A

D

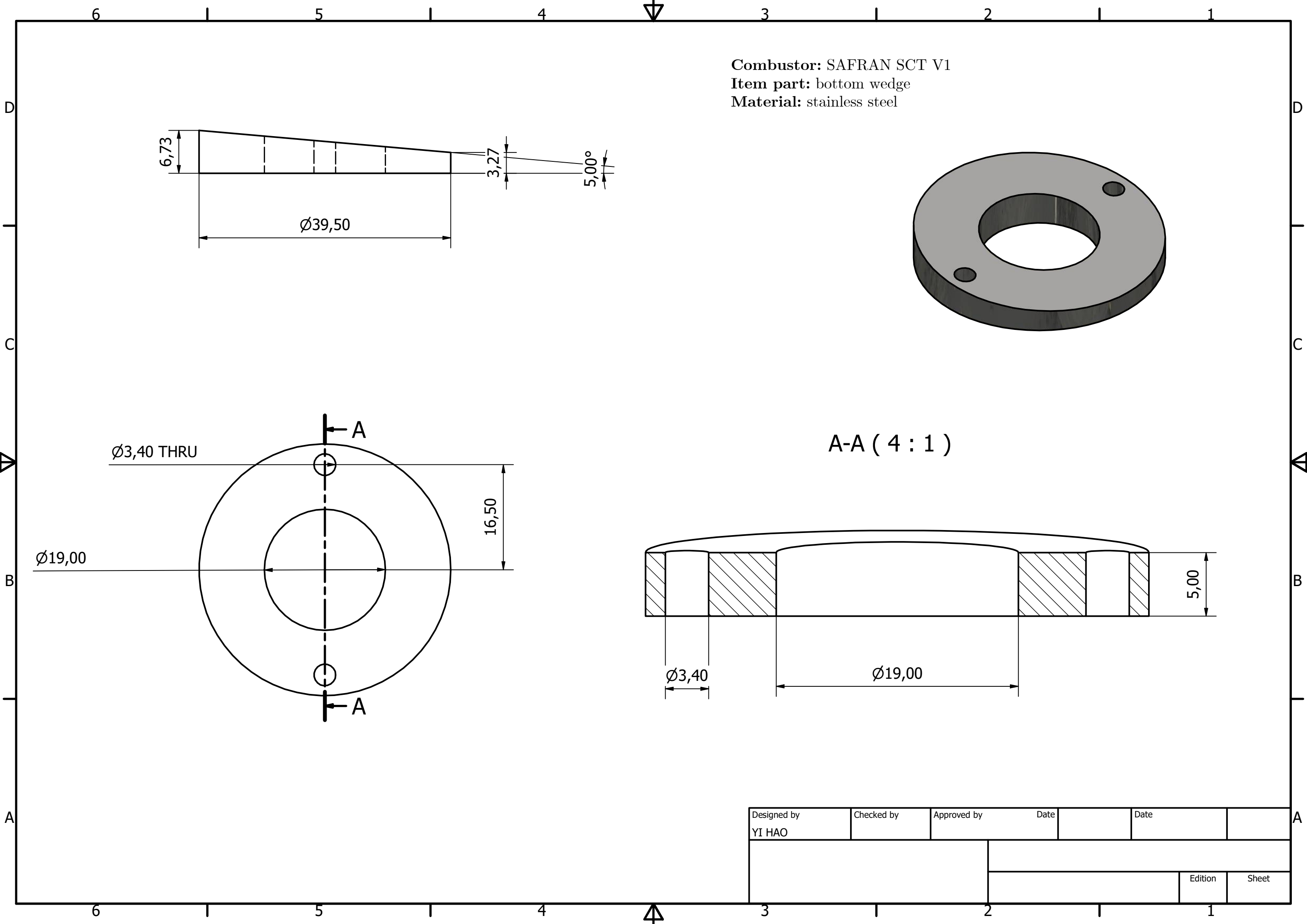
C

B

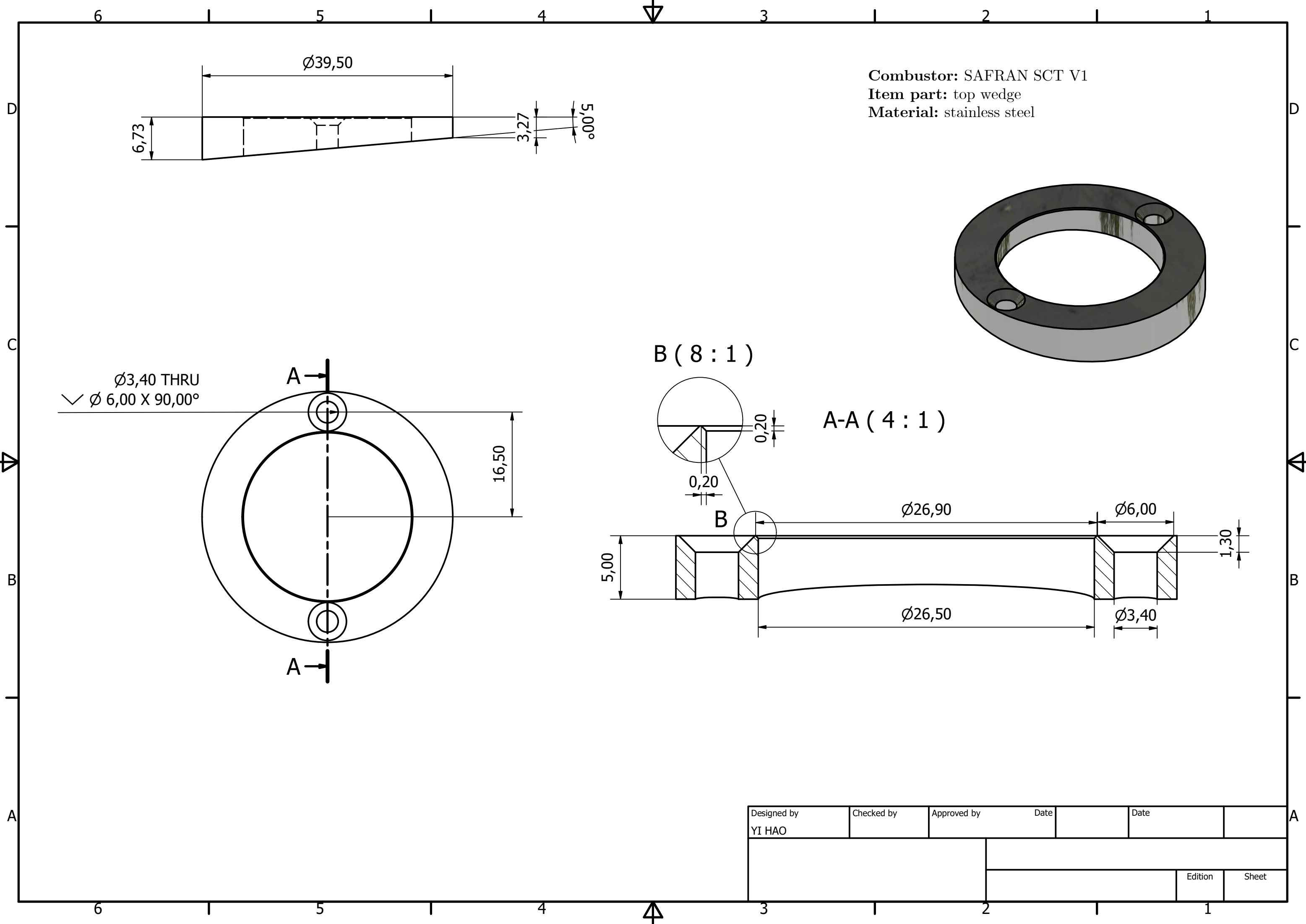
A

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6 5 4 3 2 1

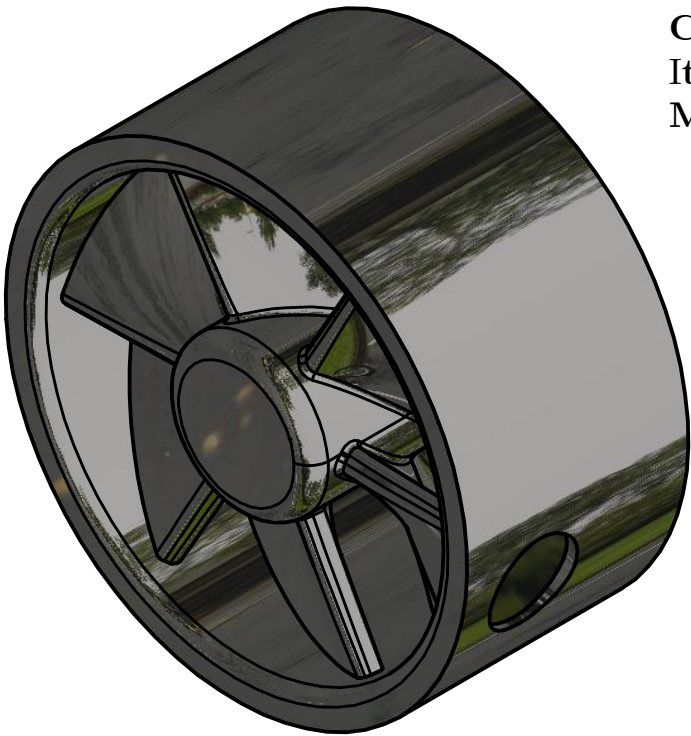




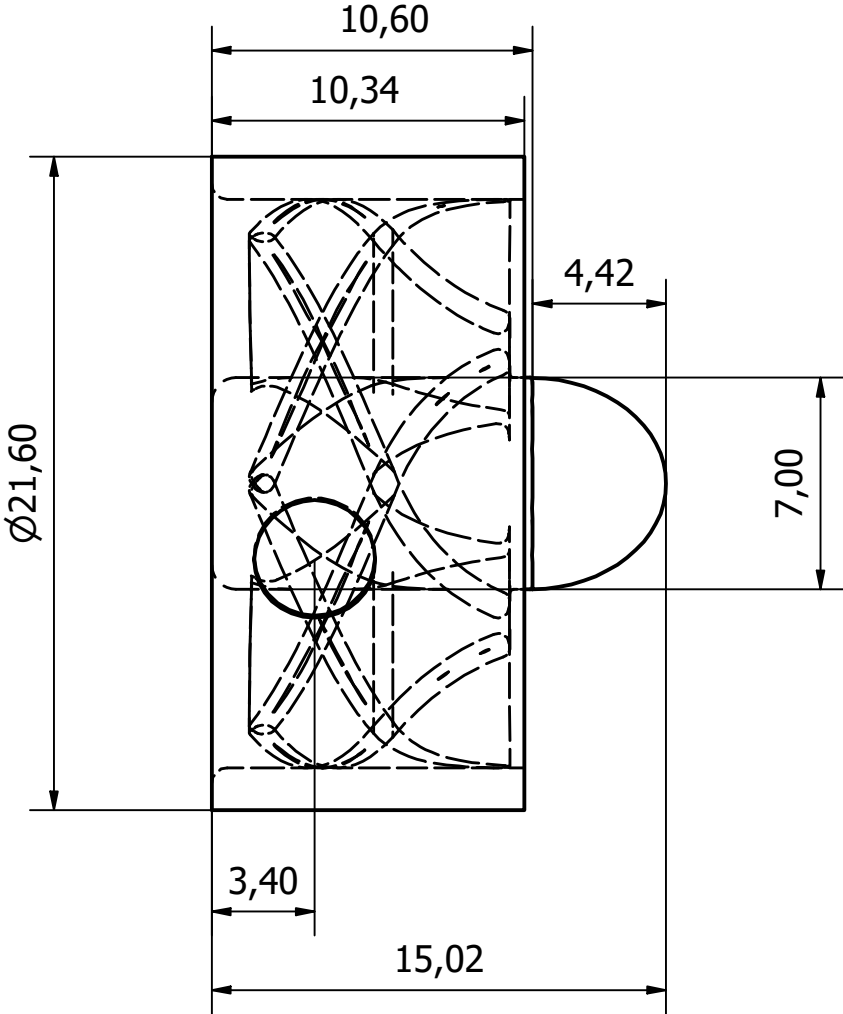
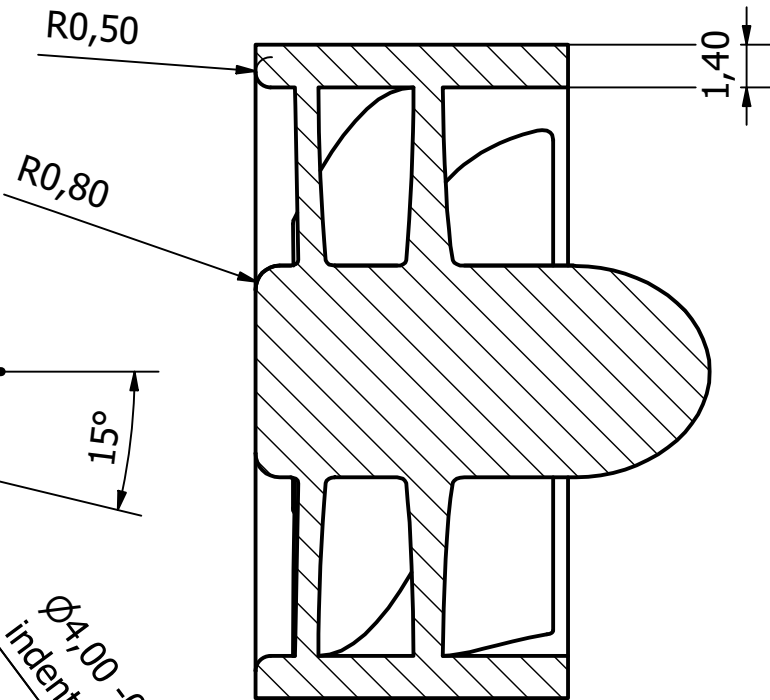
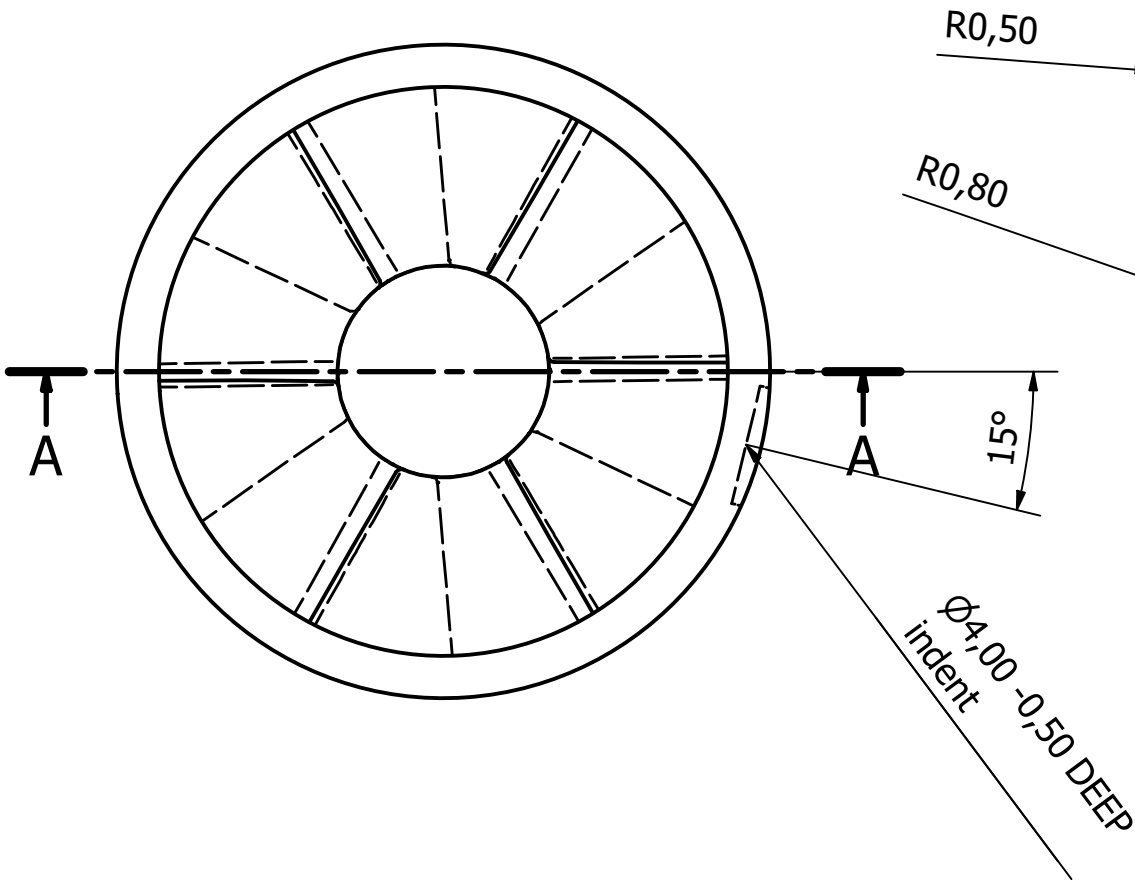


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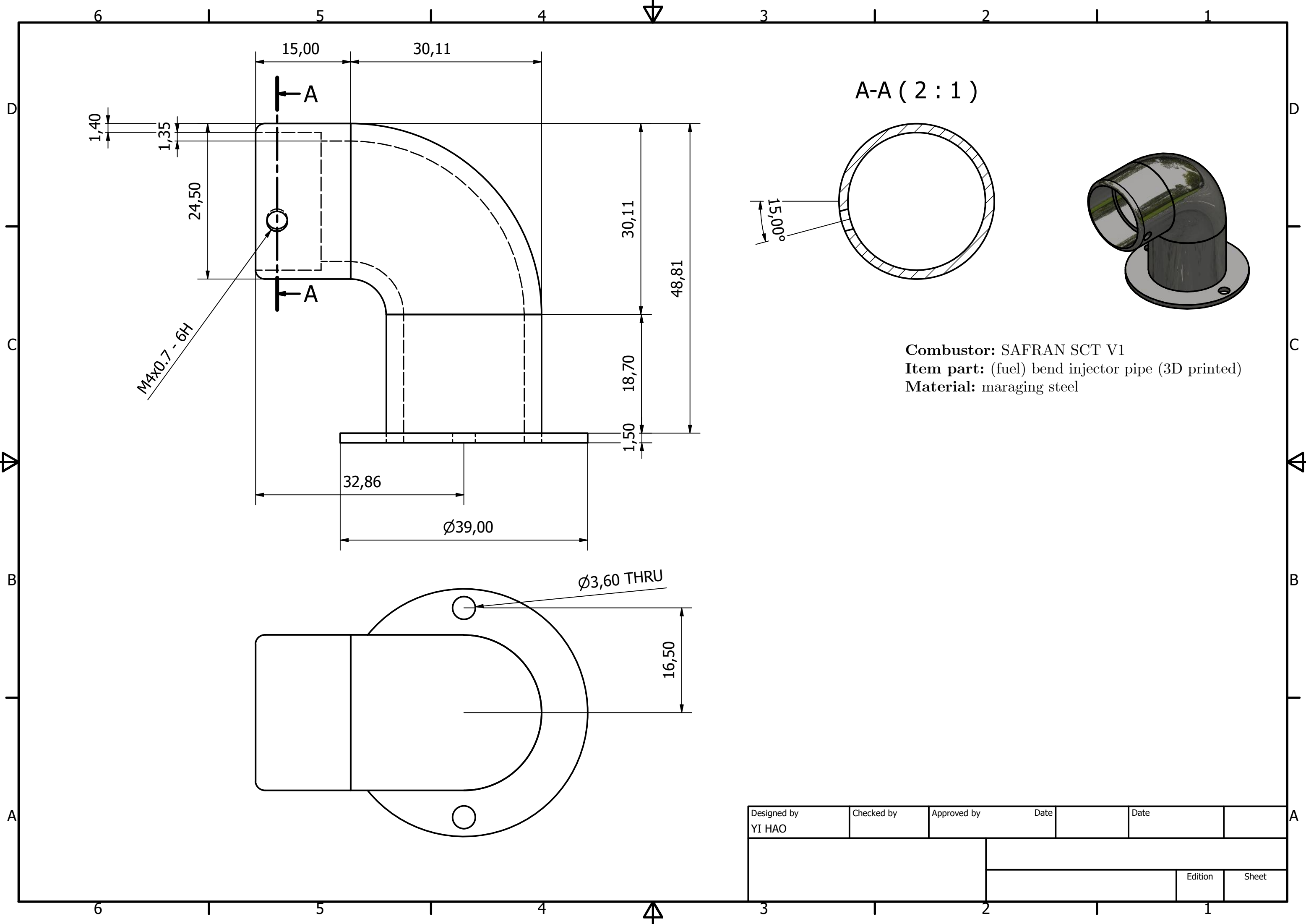
Combustor: SAFRAN SCT V1  
Item part: swirler (3D printed)  
Material: maraging steel



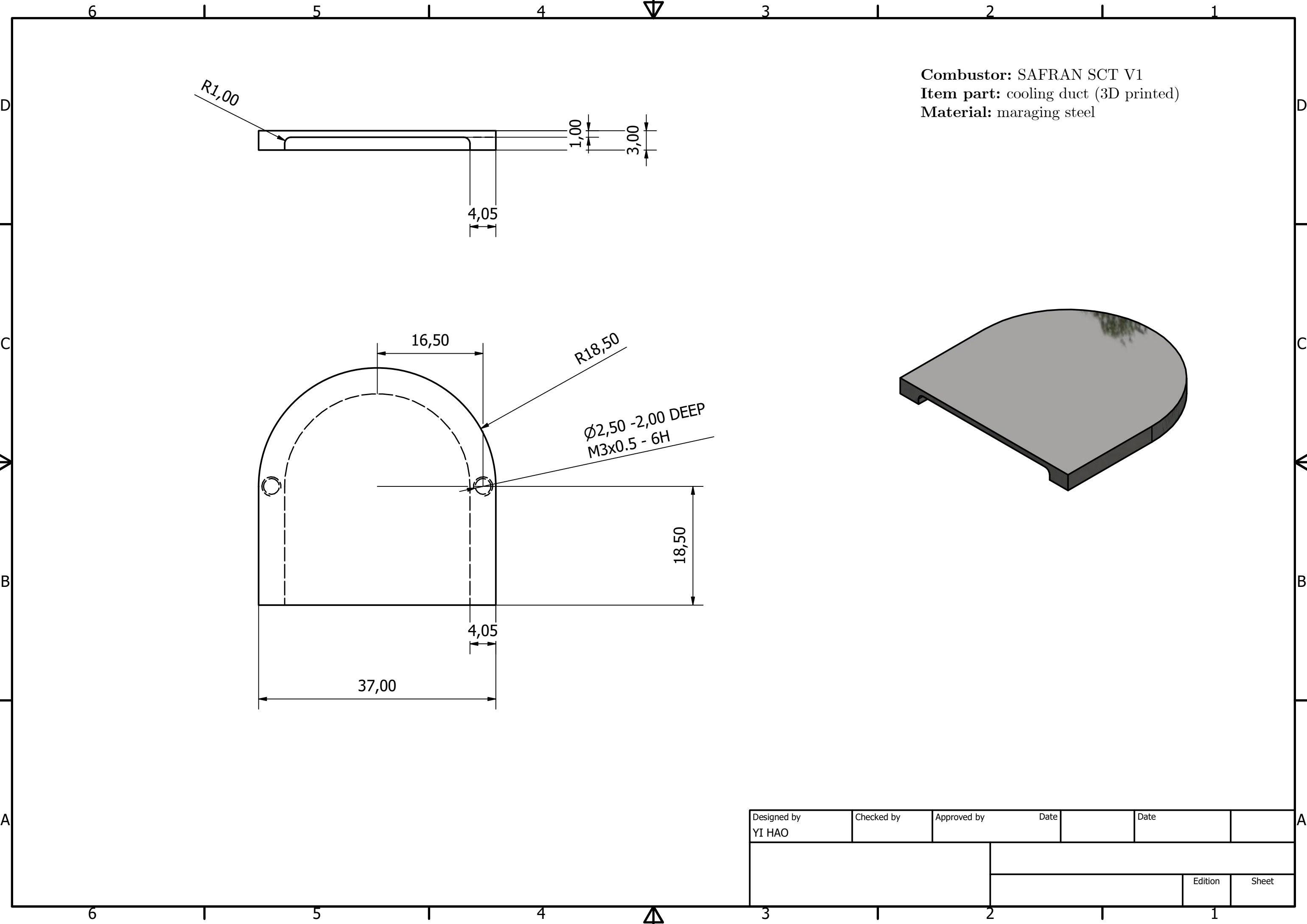
A-A ( 4 : 1 )



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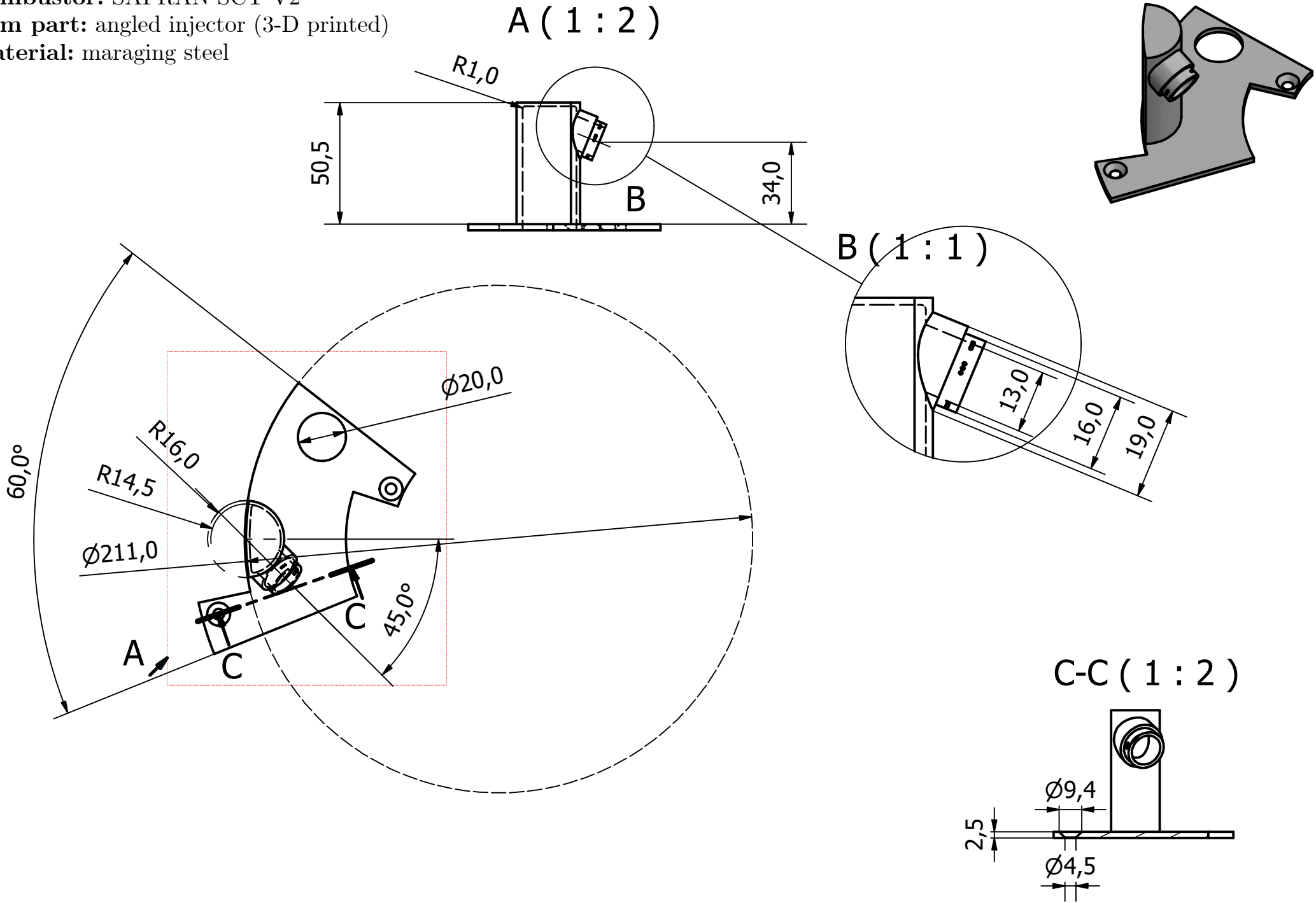


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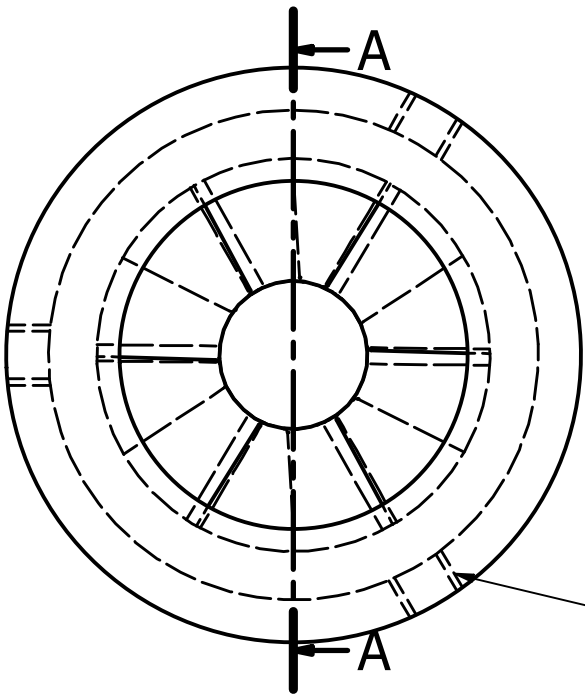
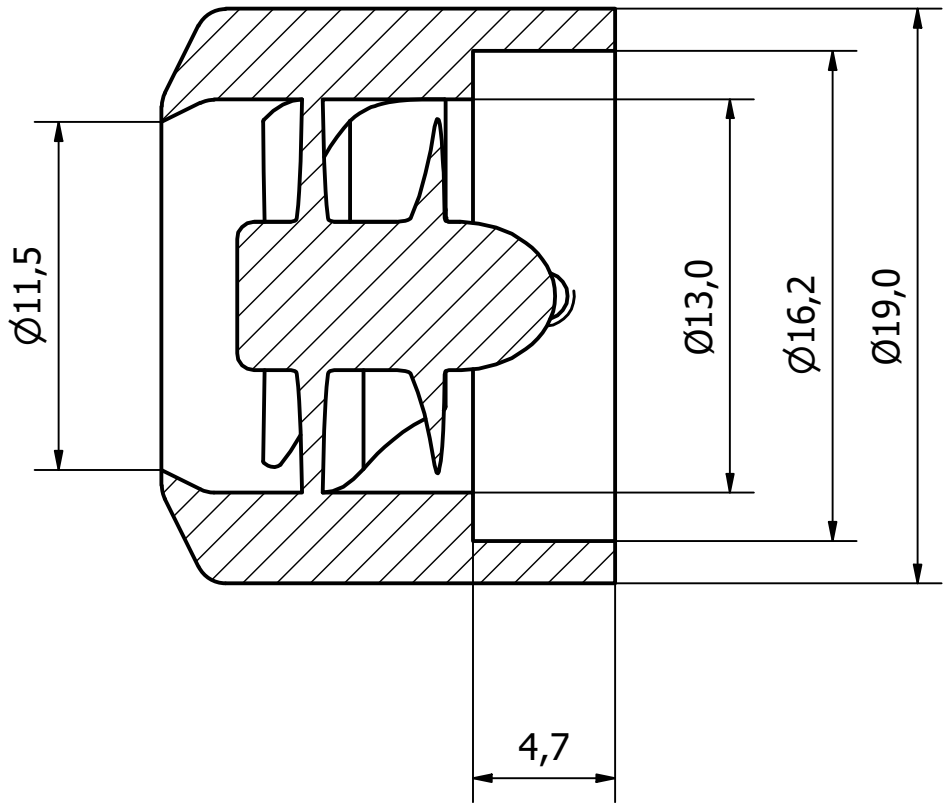
Designed by YI HAO	Checked by	Approved by	Date		Date	
					Edition	Sheet

**Combustor:** SAFRAN SCT V2  
**Item part:** angled injector (3-D printed)  
**Material:** maraging steel



**Combustor:** SAFRAN SCT V2  
**Item part:** swirler (3-D printed)  
**Material:** maraging steel

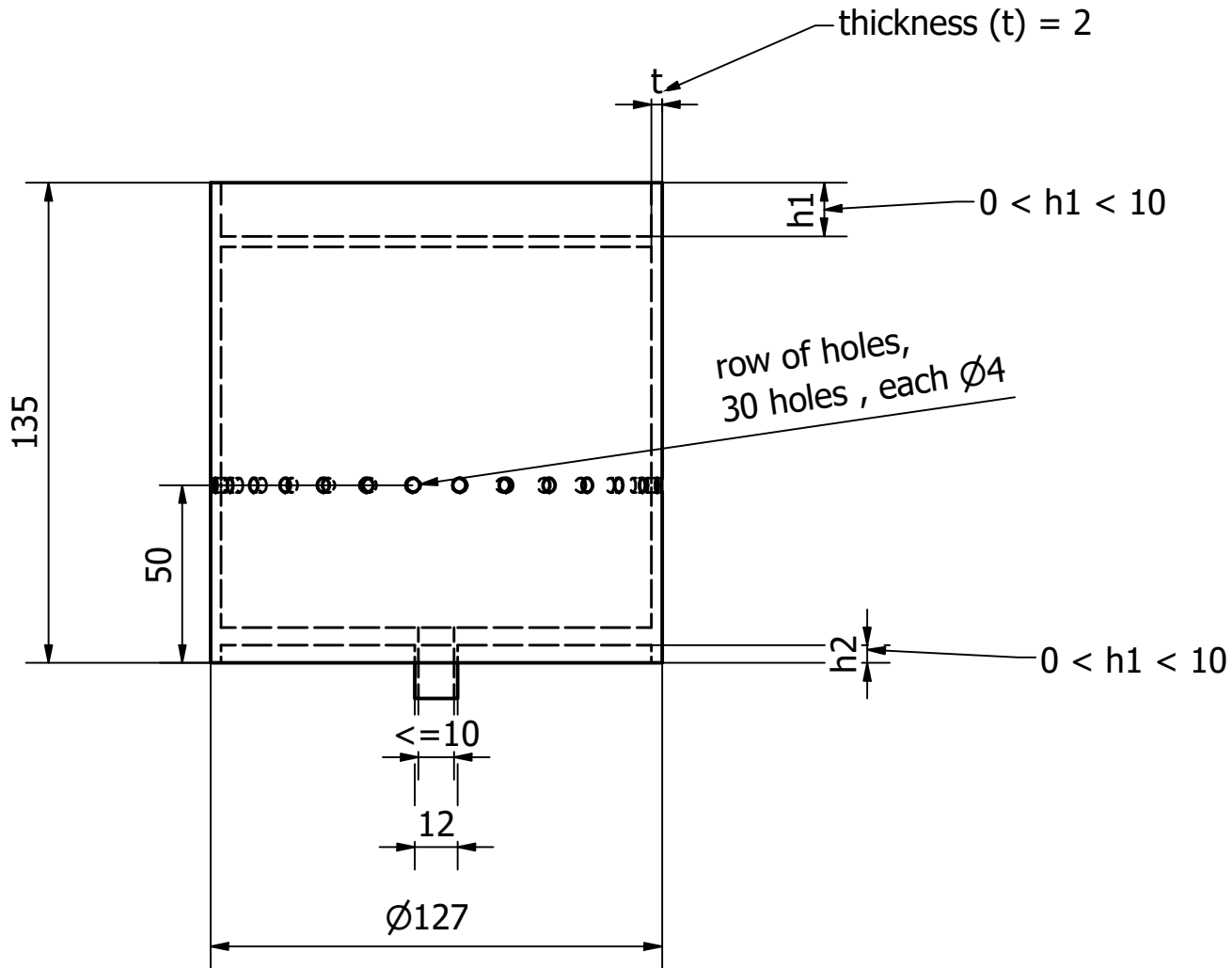
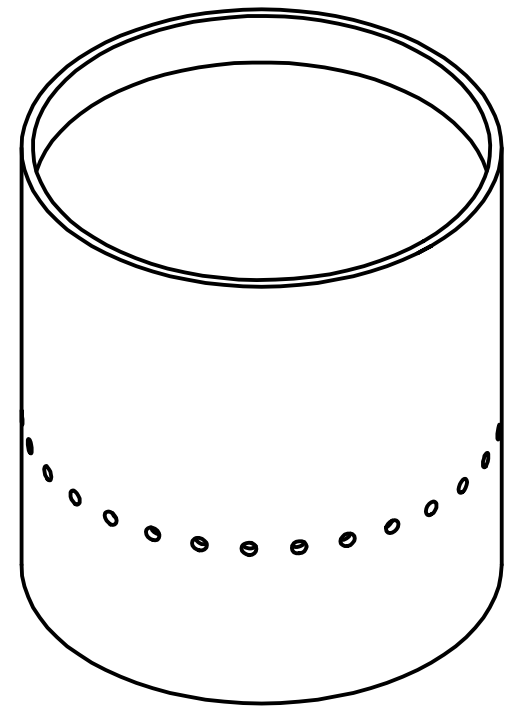
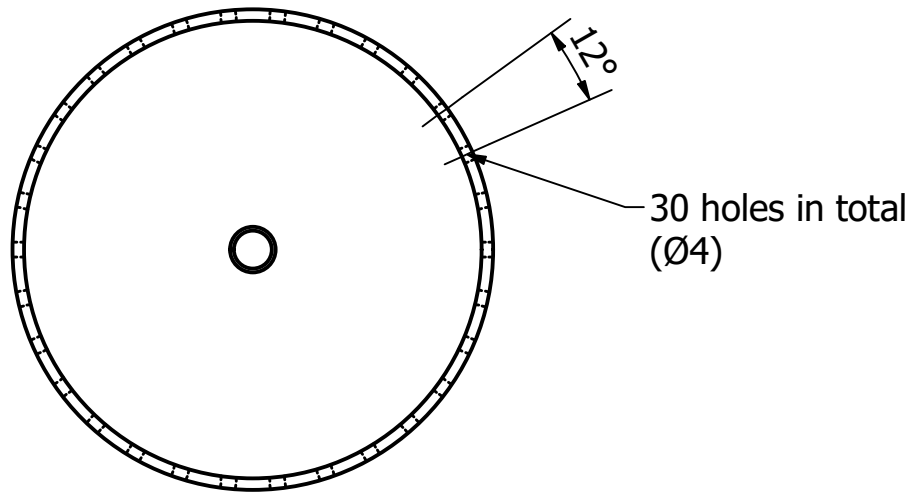
A-A ( 4 : 1 )



M2x0.4 - 6H  
3 M2 threads, 120° apart





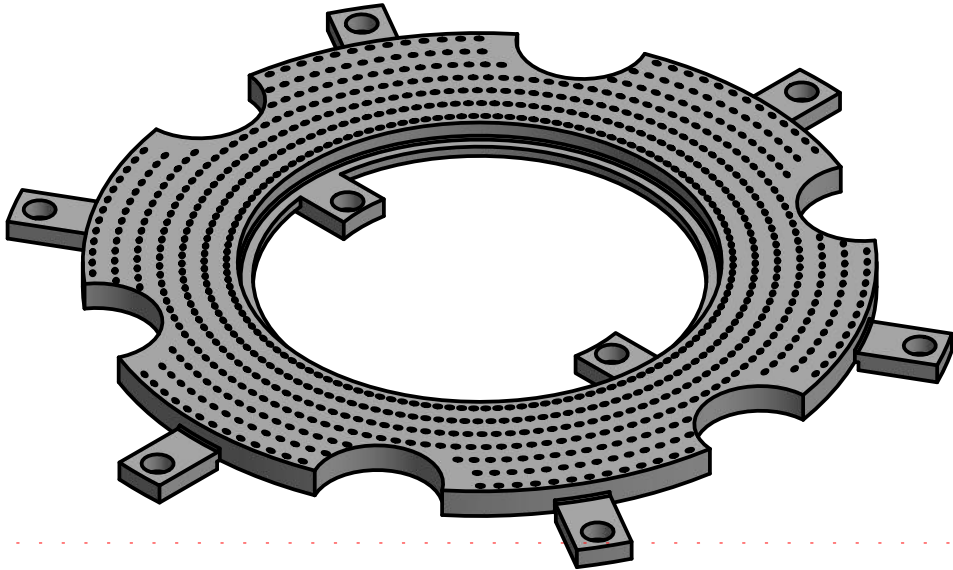
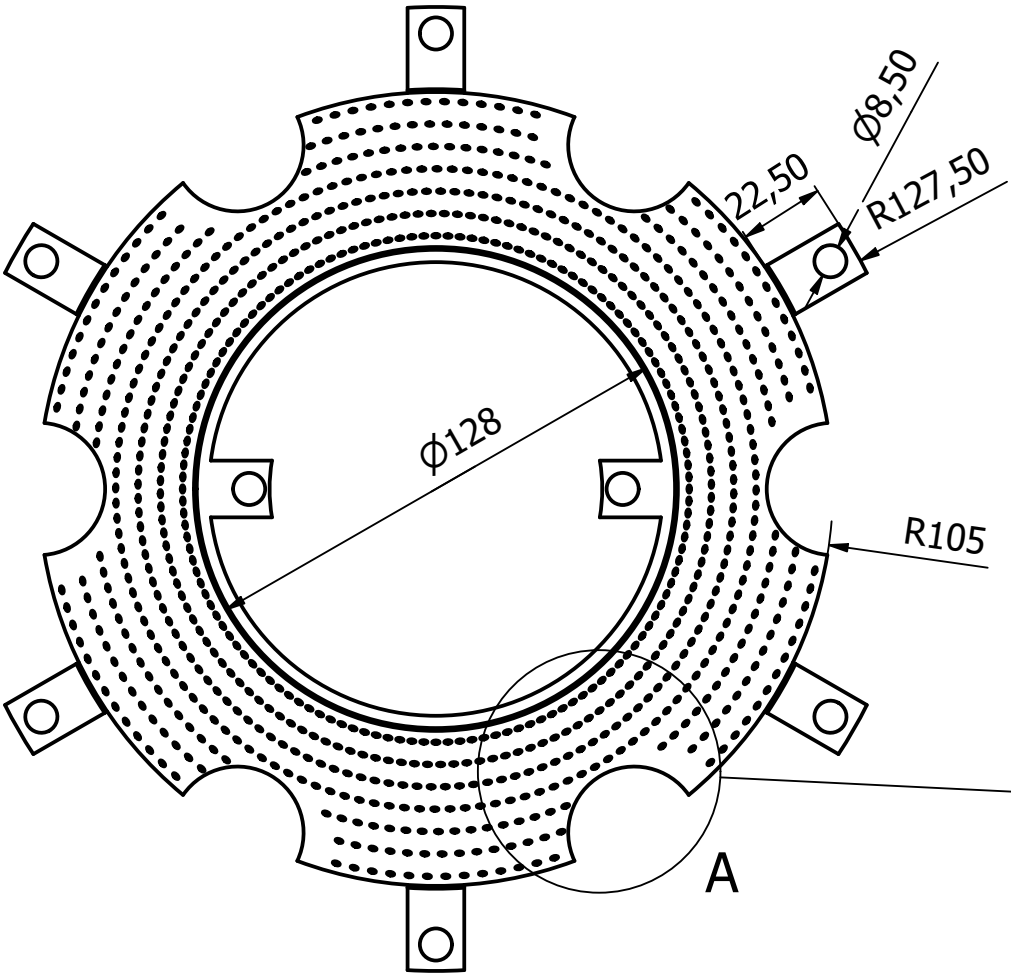


**Combustor:** SAFRAN SCT V2

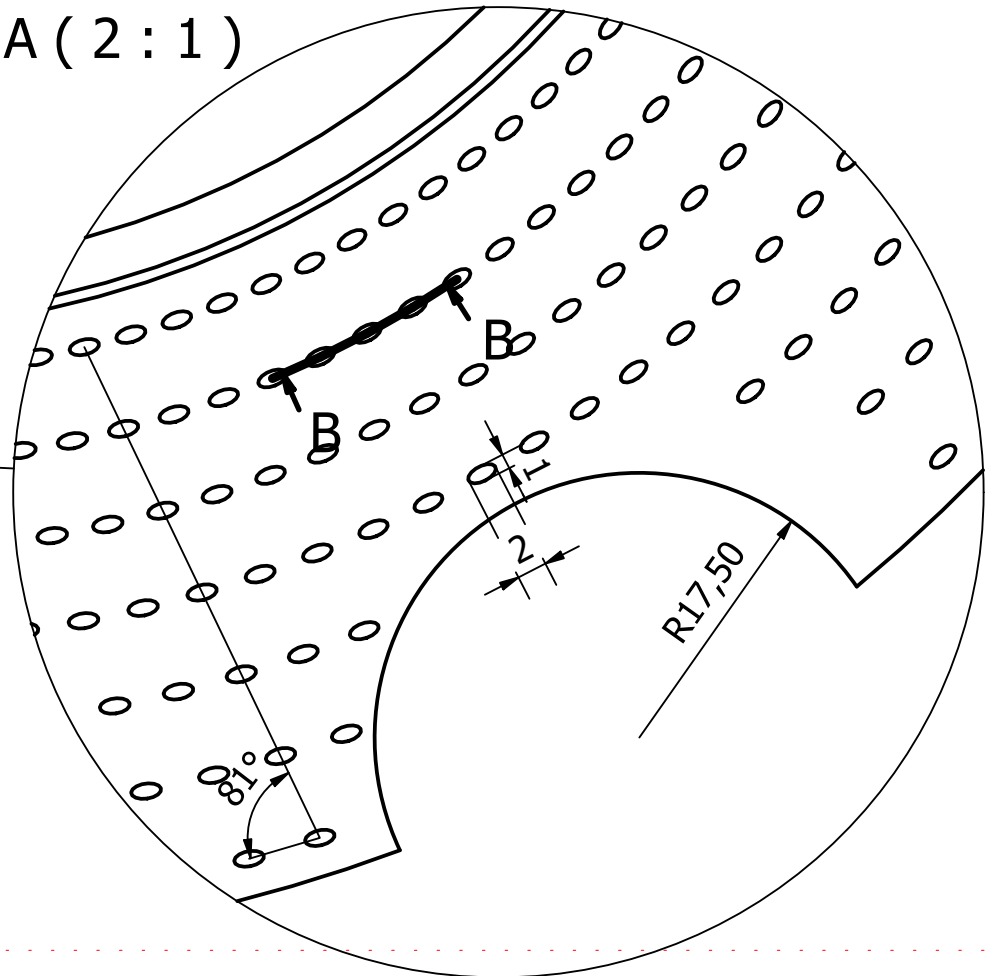
**Item part:** inner wall with dilution holes

**Material:** stainless steel

**Combustor:** SAFRAN SCT V2  
**Item part:** perforated back plate for effusion cooling (3-D printed)  
**Material:** inconel 625



A ( 2 : 1 )



B-B ( 2 : 1 )

