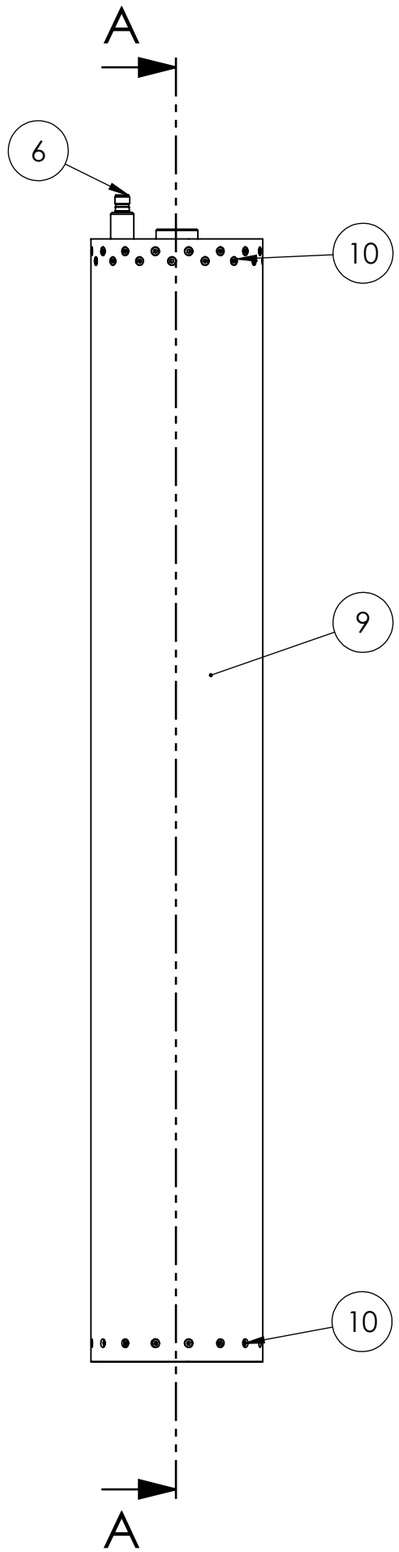
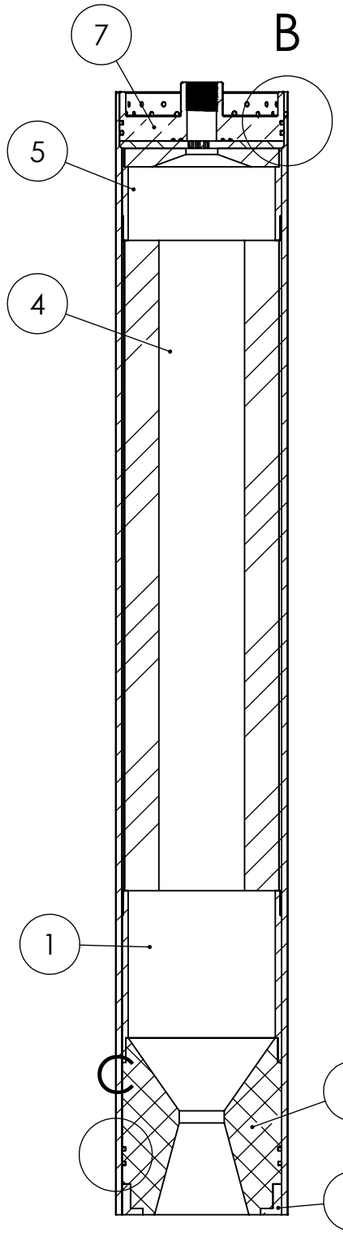
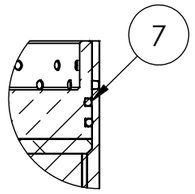




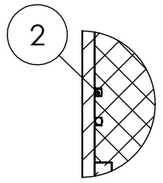
PRZEKRÓJ A-A

SKALA 1 : 5



SZCZEGÓŁ B

SKALA 2 : 5

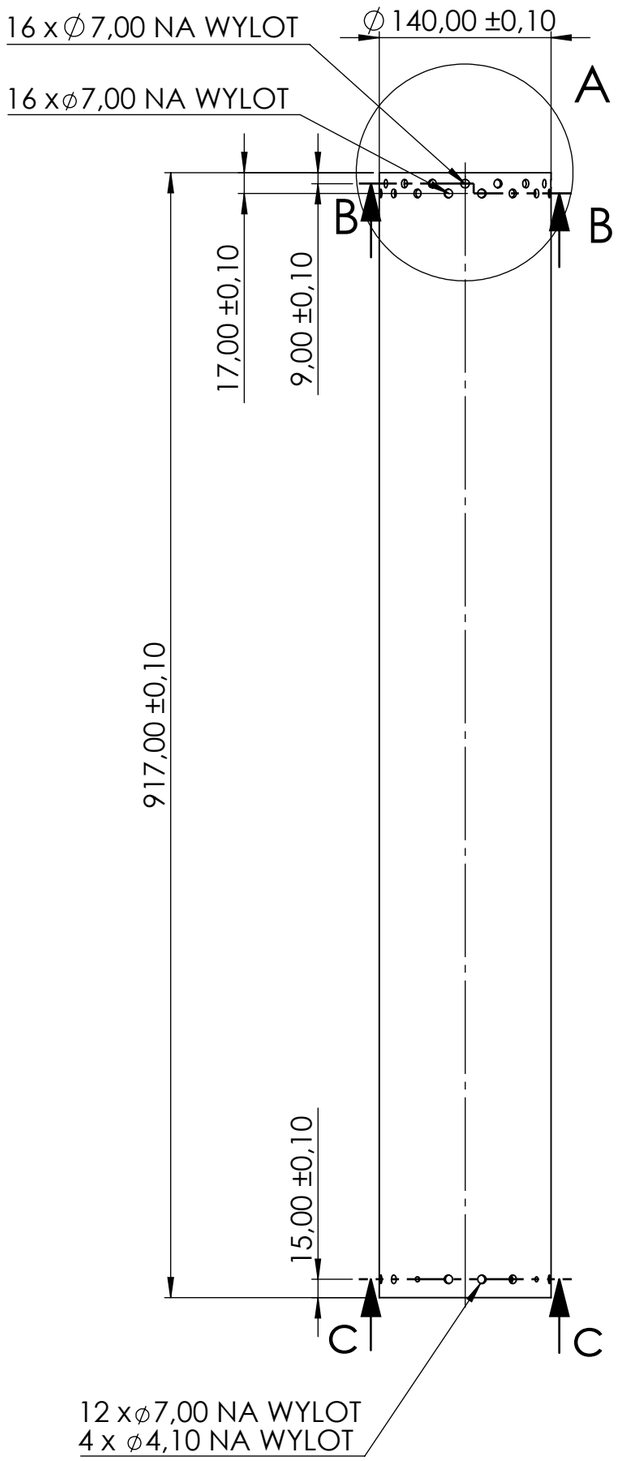


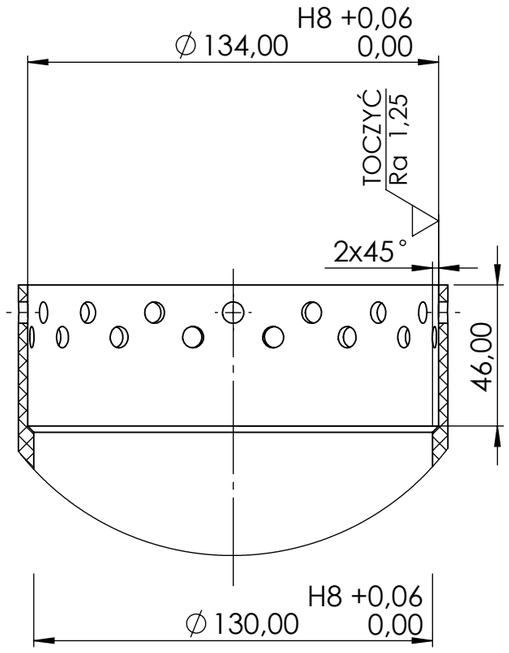
SZCZEGÓŁ C

SKALA 2 : 5

NR ELEMENTU	NUMER CZĘŚCI	OPIS	ILOŚĆ
1	R7_ENG_1700_PostCC	Post - Combustion Chamber	1
2	O-ringNozzle	Nozzle's O-ring	2
3	R7_ENG_1300_Retainer	Retainer	1
4	R7_ENG_1500_FuelGrain	Fuel Grain Assembly	2
5	R7_ENG_1600_PreCC	Pre - Combustion Chamber	1
6	PressureTransmitter	Pressure Transmitter	1
7	R7_ENG_1400_Injector	Injector Assembly	1
8	R7_ENG_1200_Nozzle	Nozzle	1
9	R7_ENG_1100_Walls	Walls	1
10	DIN 7984 - M4 x 6 --- 3.9N	Bolts	48

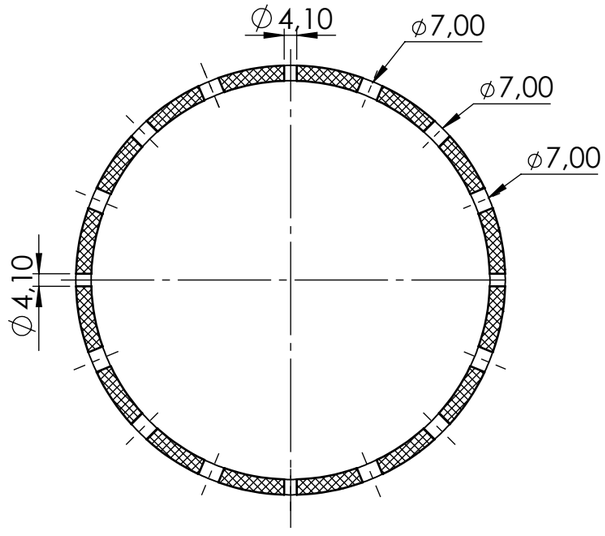
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT	MATERIAL	TITLE: Combustion Chamber Assembly	
AUTHOR		DATE	NUM: R7_ENG_1000_CombustionChamber
DESIGNED BY	Małgorzata Majda	04.07.2024	
DRAWN BY	Małgorzata Majda	14.09.2024	SIZE: A3 / SCALE: 1:5 / SHEET: 1 of 1
APPROVED BY			





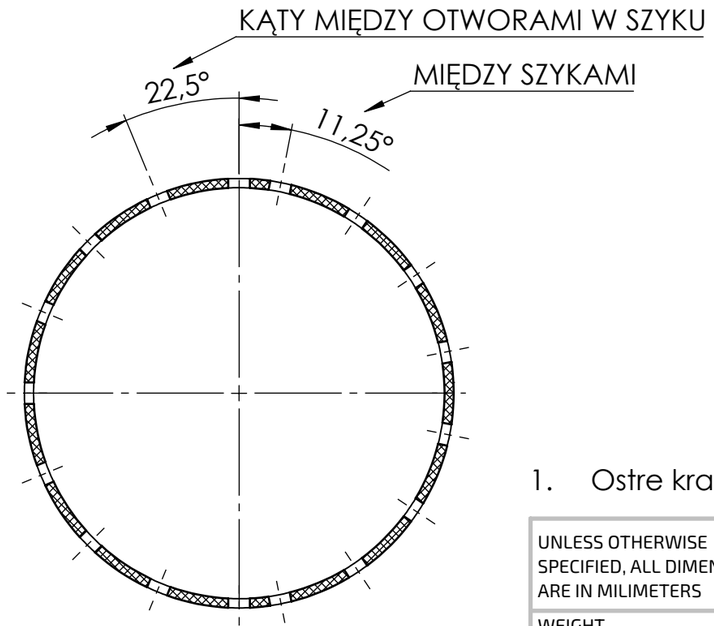
SZCZEGÓŁ A

SKALA 1 : 2



PRZEKRÓJ c-c

SKALA 1 : 2



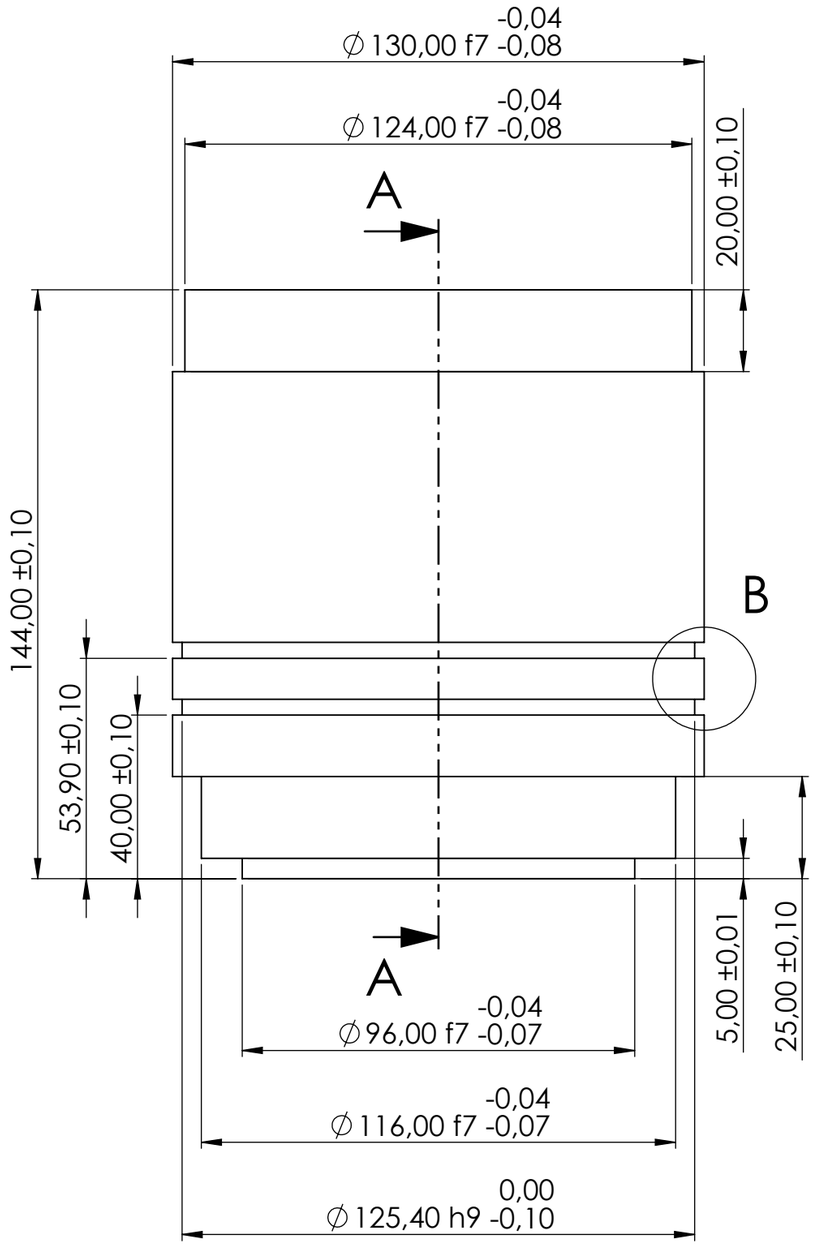
PRZEKRÓJ B-B

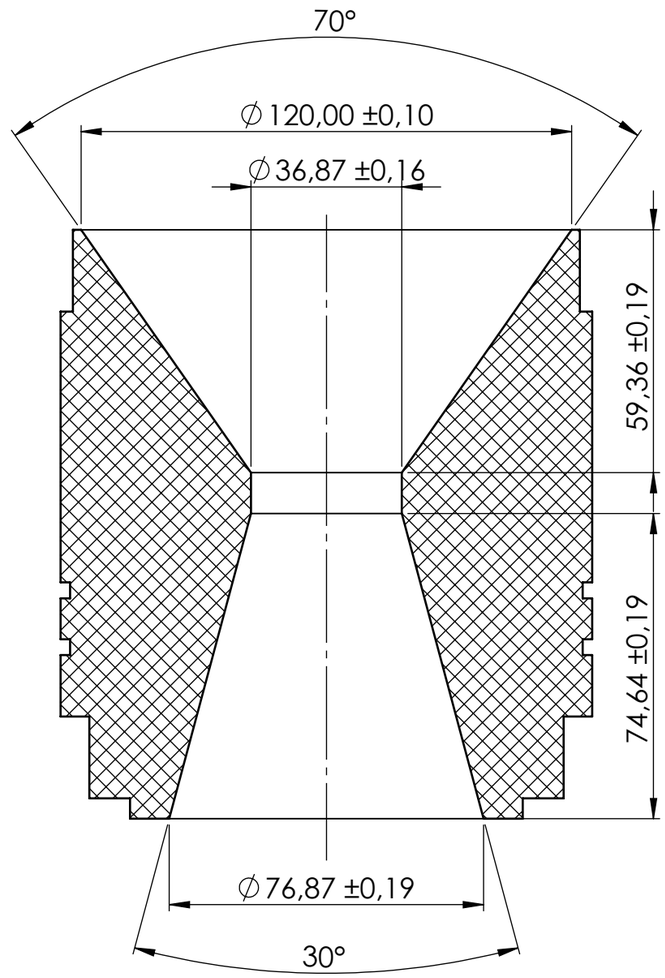
SKALA 1 : 2

Ra 5

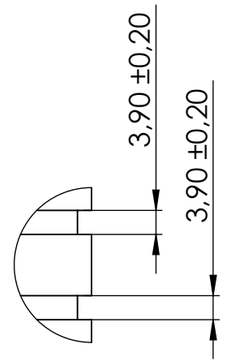
1. Ostre krawędzie zatępić

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT: 5,1kg	MATERIAL: AW-6060	TITLE: Walls	
AUTHOR	DATE	NUM: R7_ENG_1100_Walls	
DESIGNED BY: Małgorzata Majda	22.06.2024		
DRAWN BY: Małgorzata Majda	13.09.2024	SIZE: A3	SCALE: 1:5
APPROVED BY			SHEET: 1 of 1





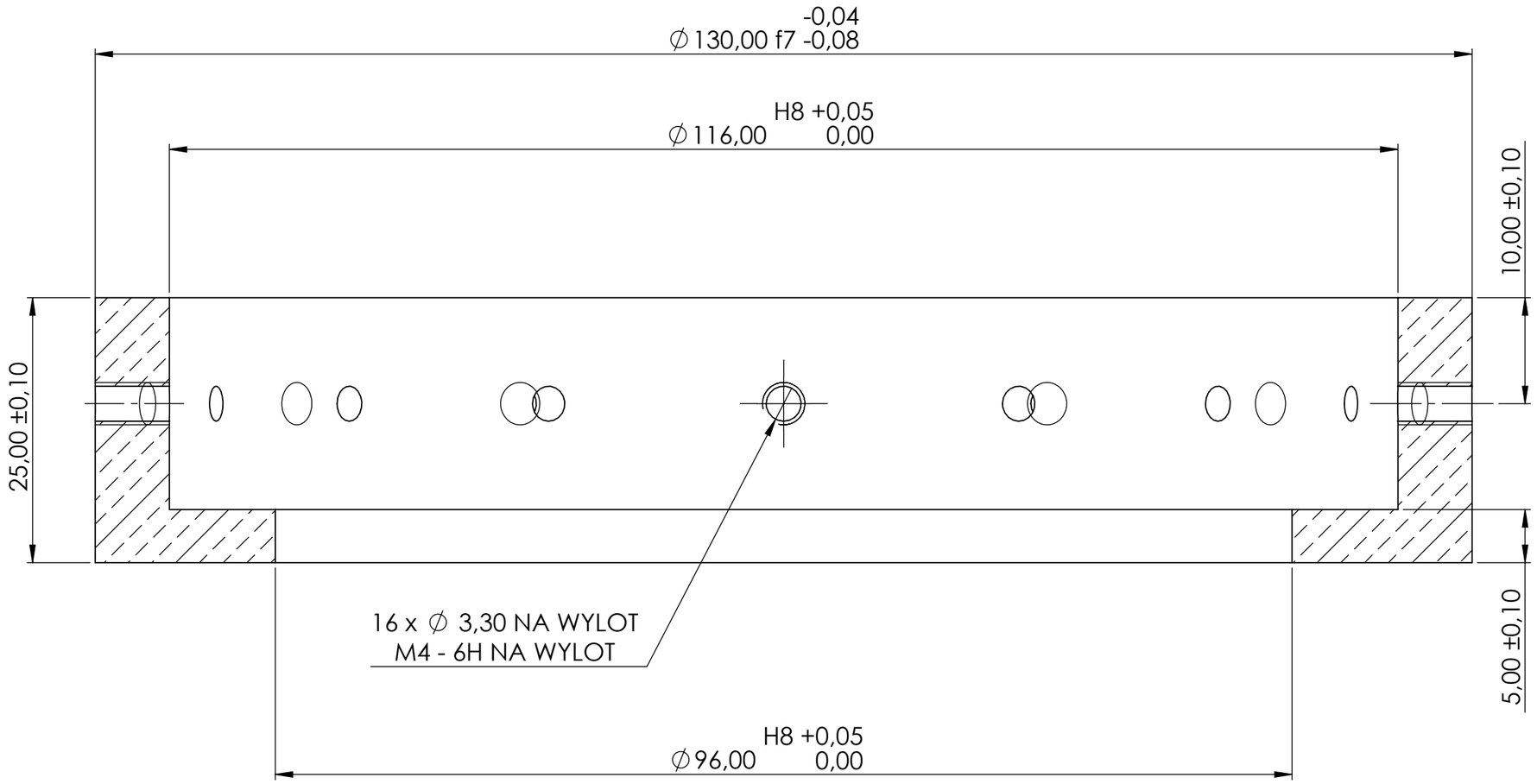
PRZEKRÓJ A-A
SKALA 1 : 1.5



SZCZEGÓŁ B
SKALA 1 : 1

Ra 5

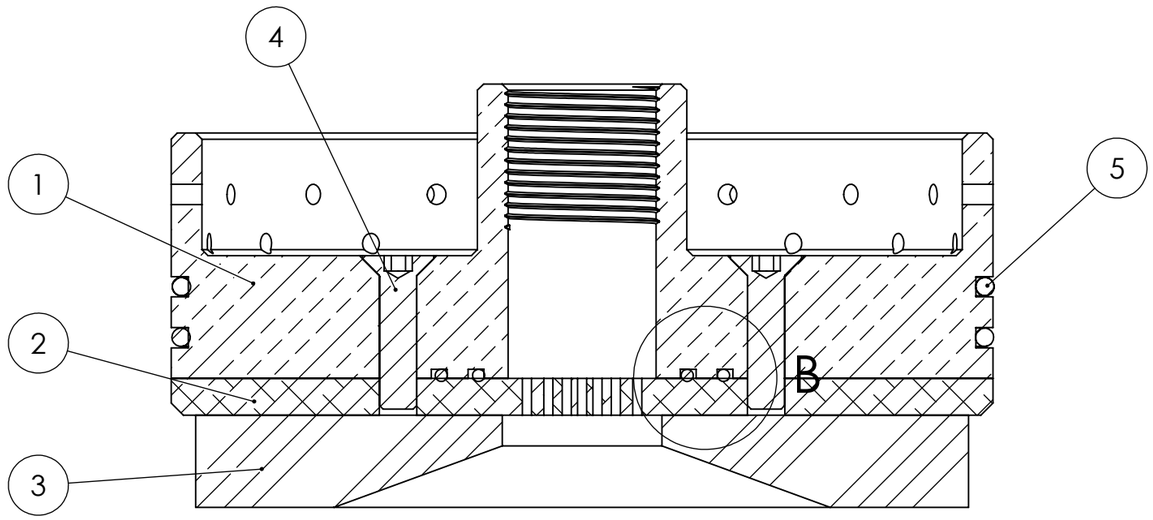
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT: 2,8kg	MATERIAL: Graphite	TITLE: Nozzle	
AUTHOR	DATE	NUM: R7_ENG_1200_Nozzle	
DESIGNED BY: Małgorzata Majda	22.06.2024		
DRAWN BY: Małgorzata Majda	13.09.2024	SIZE: A3	SCALE: 1:1,5
APPROVED BY			SHEET: 1 of 1



Ra 5

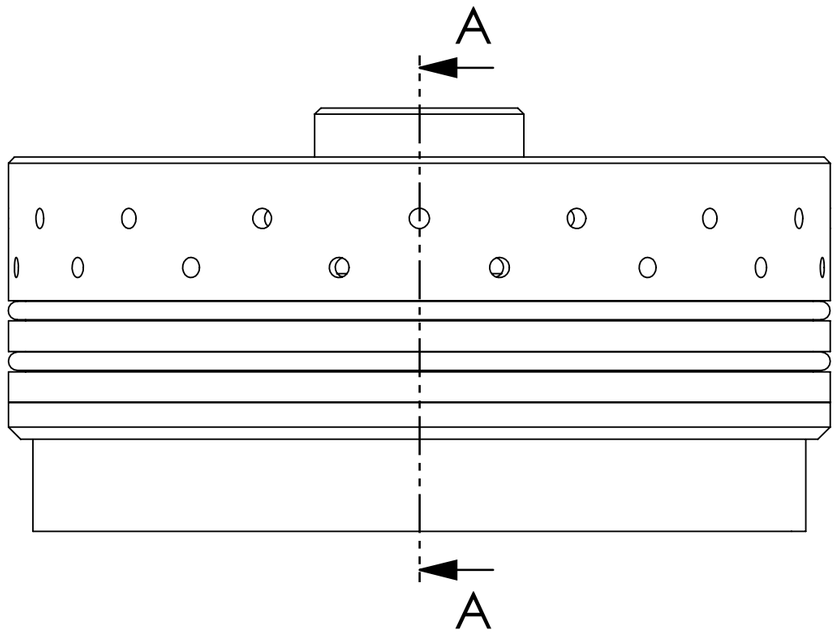
1. Ostre krawędzie zatępić

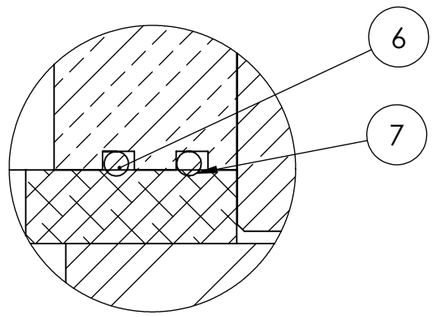
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT: 0,25kg	MATERIAL: AW-2007	TITLE: Retainer	
AUTHOR	DATE	NUM: R7_ENG_1300_Retainer	
DESIGNED BY: Małgorzata Majda	22.06.2024		
DRAWN BY: Małgorzata Majda	13.09.2024	SIZE: A3 / SCALE: 2:1 / SHEET: 1 of 1	
APPROVED BY			



PRZEKRÓJ A-A

SKALA 1 : 1



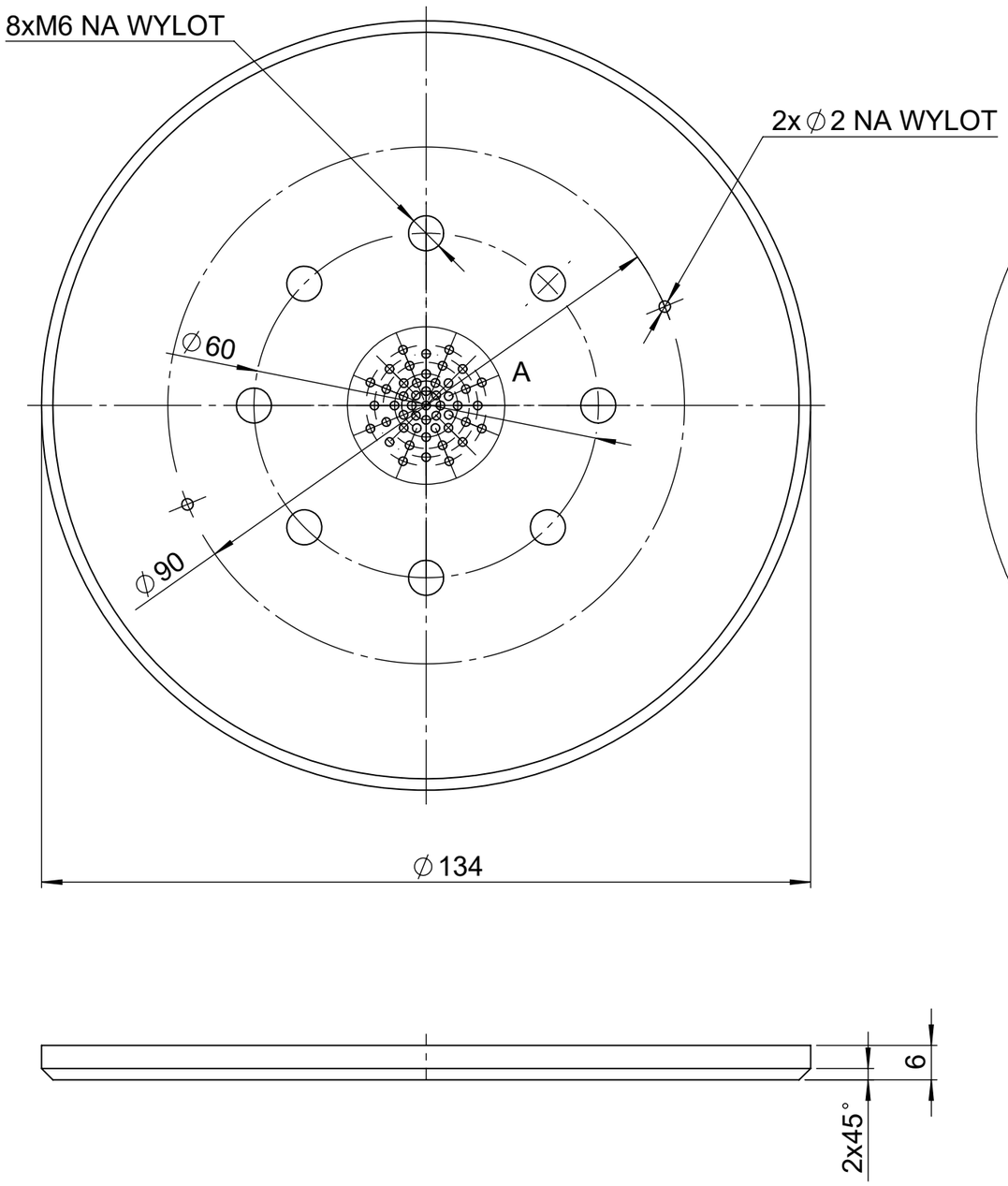


SZCZEGÓŁ B

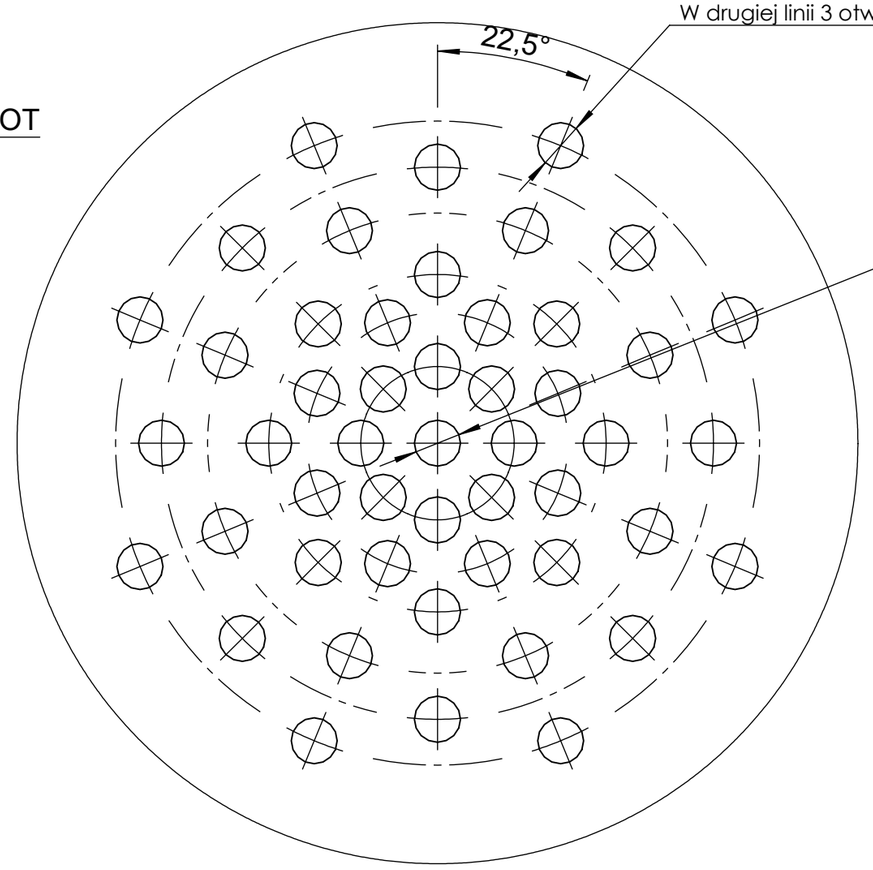
SKALA 2 : 1

NR ELEMENTU	NUMER CZĘŚCI	OPIS	ILOŚĆ
1	R7_ENG_1402_Holder	Injector Holder	1
2	R7_ENG_1401_Injector	Injector	1
3	R7_ENG_1403_Insulation	Injector's Insulation	1
4	DIN 7991 - M6 x 25 --- 18.7N	Bolts	8
5	O-ringInjectorHolder	Injector Holder's O-ring	2
6	oring_32x2	O-ring 32x2	1
7	oring_44x2	O-ring 44x4	1

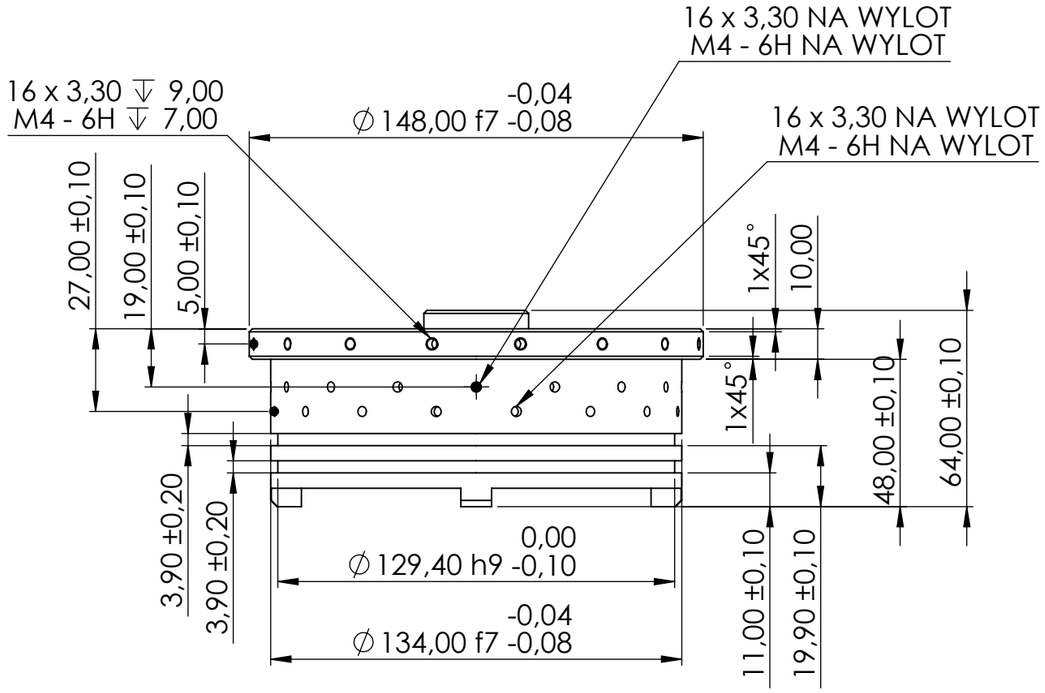
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT	MATERIAL	TITLE: Injector Assembly	
AUTHOR	DATE	NUM: R7_ENG_1400_Injector	
DESIGNED BY: Małgorzata Majda	06.07.2024		
DRAWN BY: Małgorzata Majda	14.09.2024	SIZE: A3	SCALE: 1:1
APPROVED BY			SHEET: 1 of 1

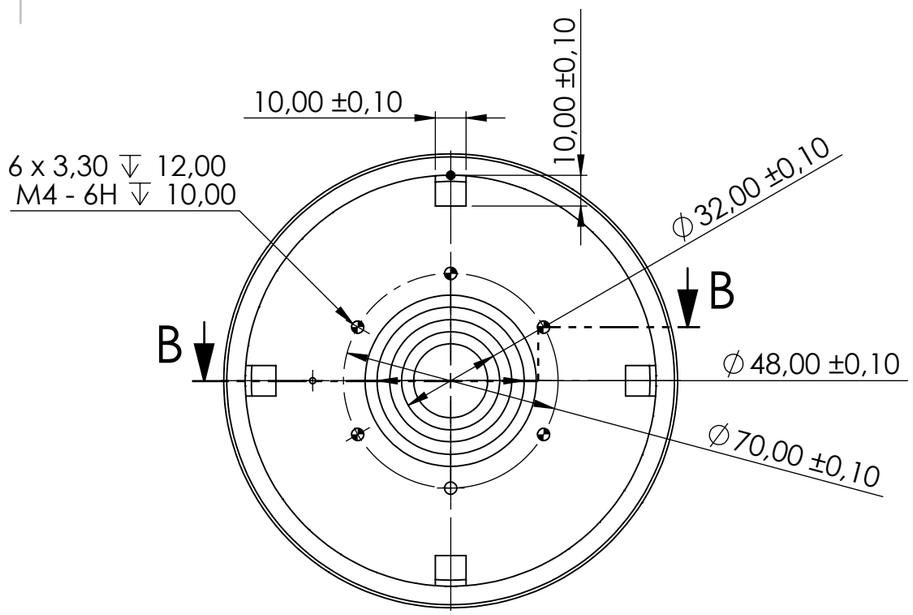


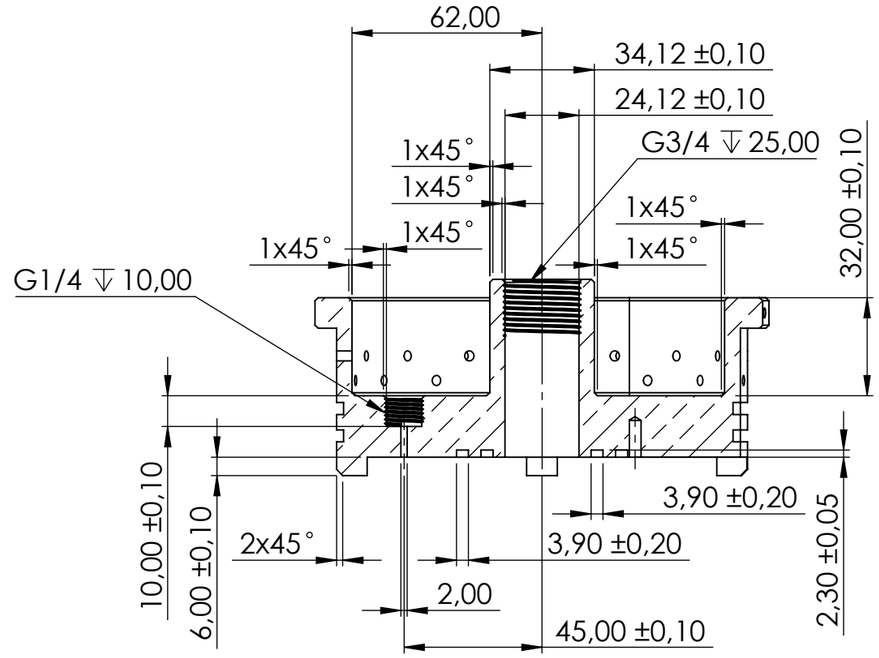
SZCZEGÓŁ A
SKALA 5 : 1



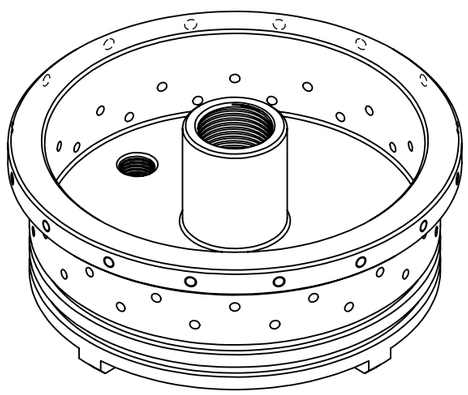
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT: 0,23kg	MATERIAL: AW-7075	TITLE: Injector	
AUTHOR	DATE	NUM: R7_ENG_1401_Injector	
DESIGNED BY: Łukasz Paśniewski	22.06.2024		
DRAWN BY: Łukasz Paśniewski	24.07.2024	SIZE: A3	SCALE: 1:1
APPROVED BY			SHEET: 1 of 1







PRZEKRÓJ B-B

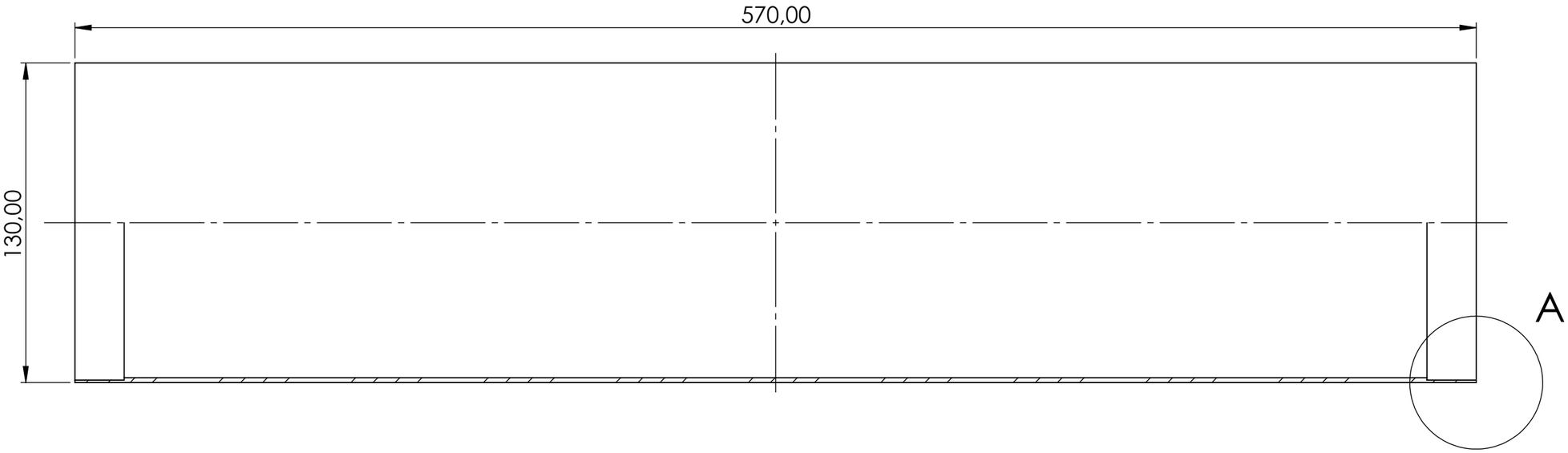


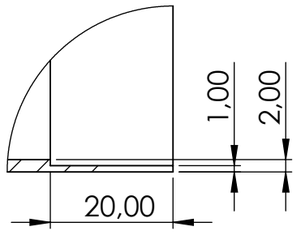
WIDOK 3D

1. Ostre krawędzie zatępić

Ra 5

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT: 1,01kg	MATERIAL: AW-2007	TITLE: Injector Holder	
AUTHOR	DATE	NUM: R7_ENG_1402_Holder	
DESIGNED BY: Małgorzata Majda	30.06.2024		
DRAWN BY: Małgorzata Majda	13.09.2024		
APPROVED BY	SIZE: A3	SCALE: 1:2	SHEET: 1 of 1

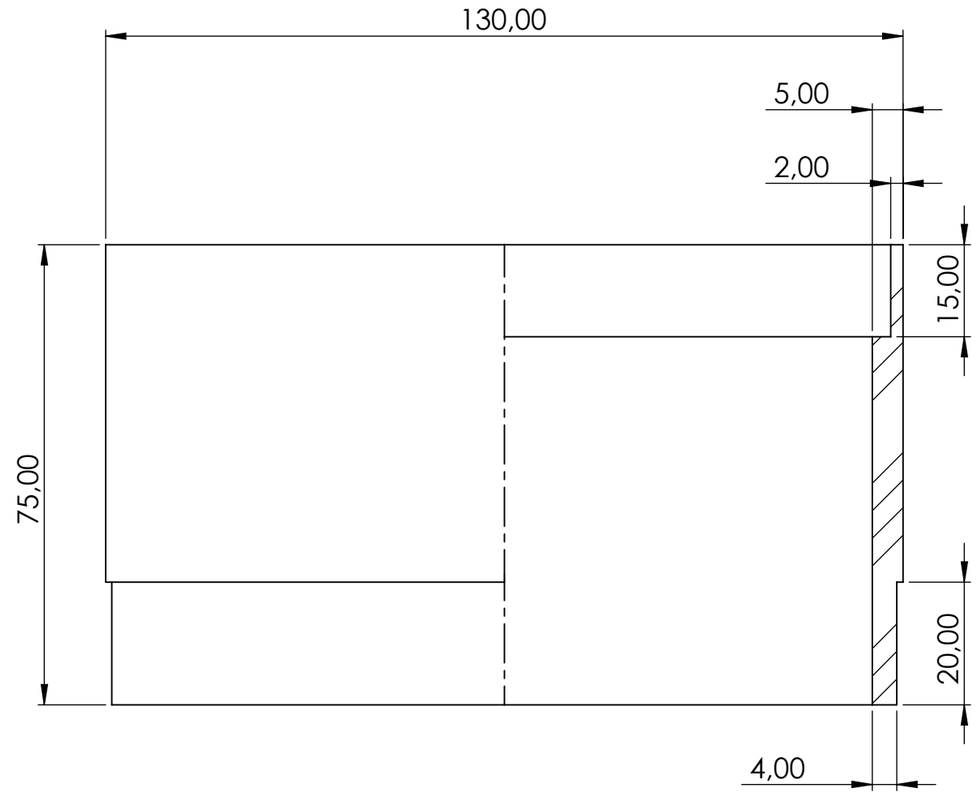




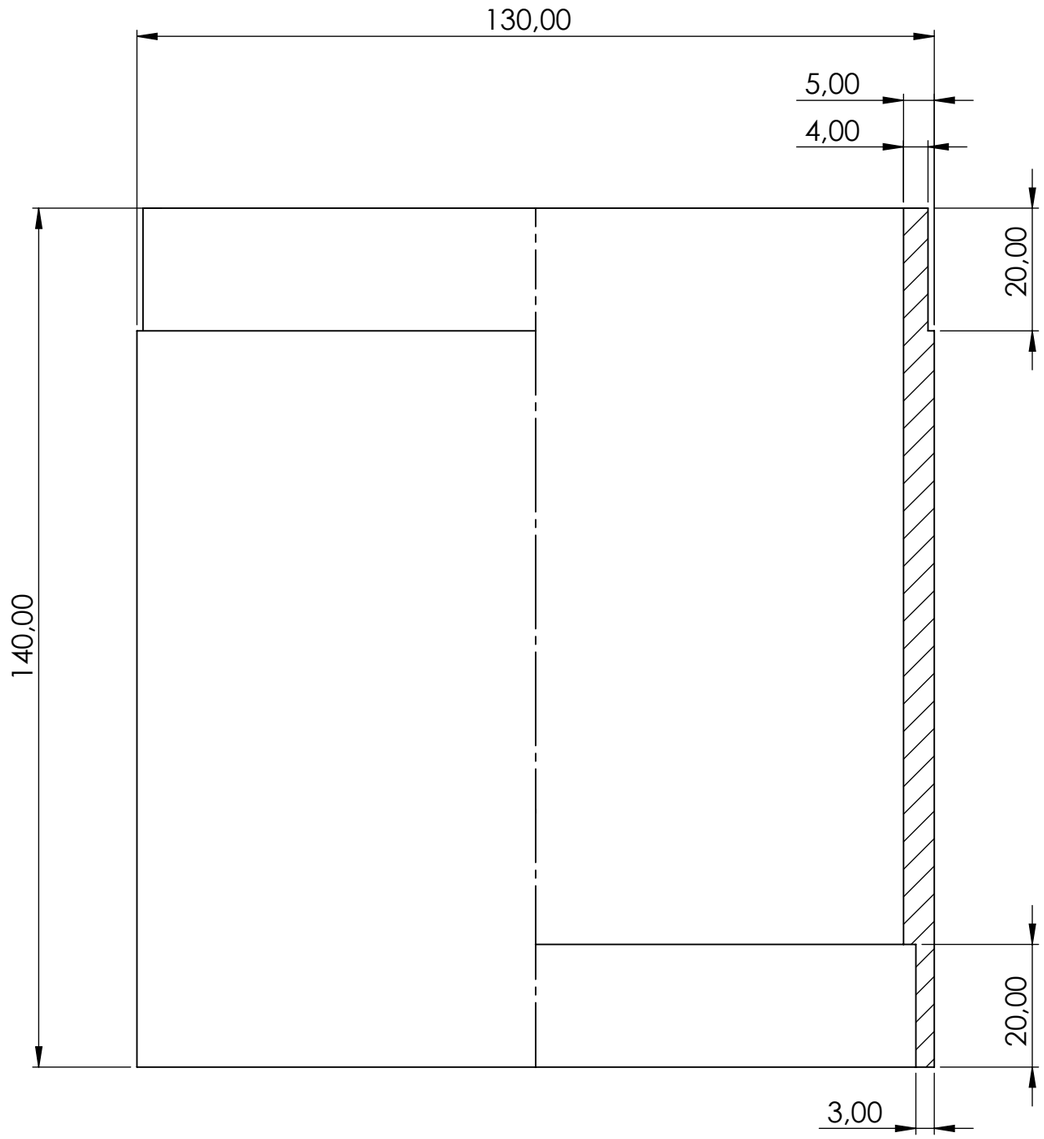
SZCZEGÓŁ A

SKALA 1 : 1

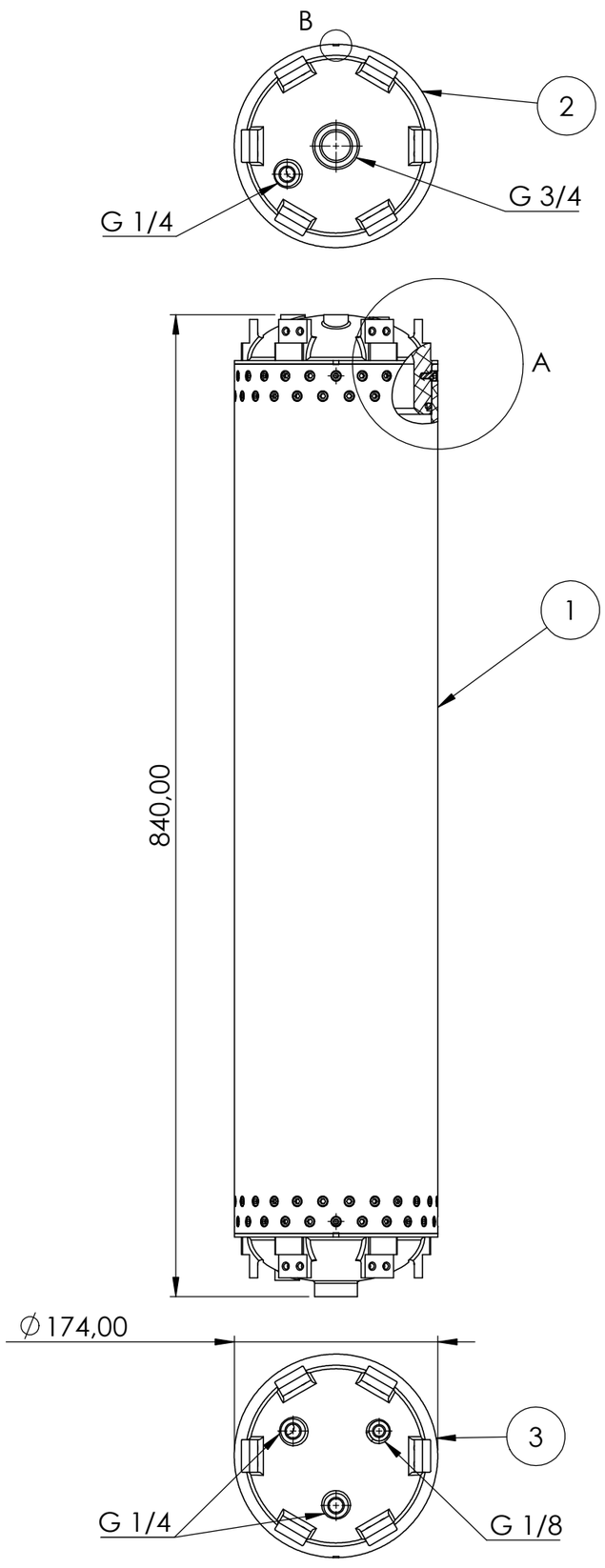
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT: 1,47kg	MATERIAL: Textolite	TITLE: Fuel Gran Insulation	
AUTHOR	DATE	NUM: R7_ENG_1502_Insulation	
DESIGNED BY: Małgorzata Majda	21.06.2024		
DRAWN BY: Małgorzata Majda	13.09.2024	SIZE: A3	SCALE: 1:2
APPROVED BY			SHEET: 1 of 1

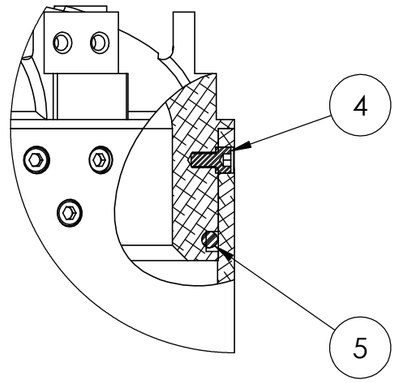


UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT: 0,21kg	MATERIAL: Textolite	TITLE: Pre - Combustion Chamber	
AUTHOR	DATE	NUM: R7_ENG_1600_PreCC	
DESIGNED BY: Małgorzata Majda	21.06.2024		
DRAWN BY: Małgorzata Majda	13.09.2024	SIZE: A3	SCALE: 1:1
APPROVED BY			SHEET: 1 of 1



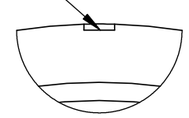
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: Propulsion	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE BIMBA
WEIGHT: 0,44kg	MATERIAL: Textolite	TITLE: Post - Combustion Chamber	
AUTHOR	DATE	NUM: R7_ENG_1700_PostCC	
DESIGNED BY: Małgorzata Majda	21.06.2024		
DRAWN BY: Małgorzata Majda	13.09.2024	SIZE: A3	SCALE: 1:1
APPROVED BY			SHEET: 1 of 1





SZCZEGÓŁ A
SKALA 1 : 2

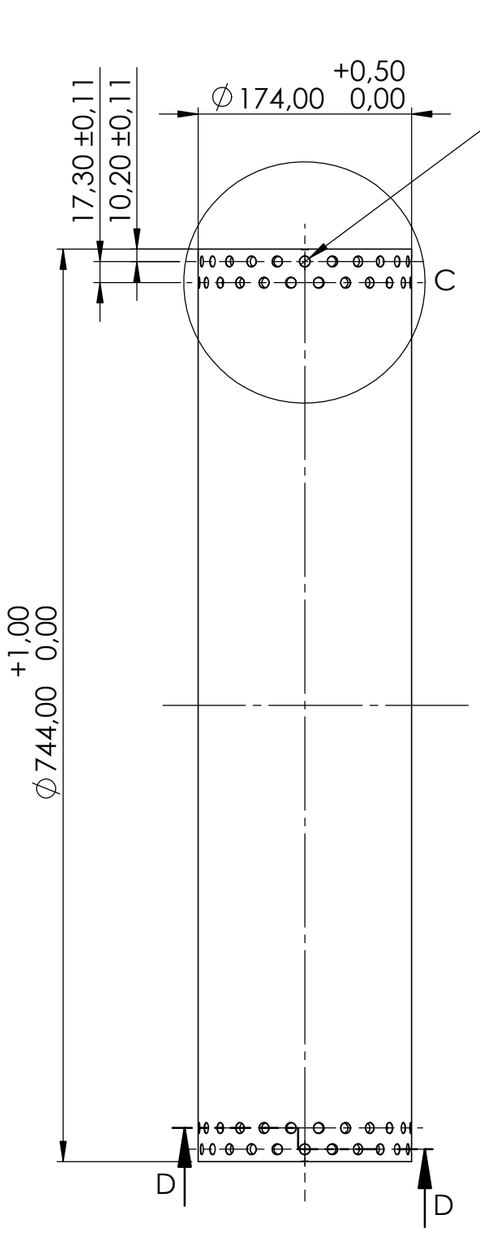
Nacięcie koordynujące dennice z rurą zbiornika
Wykonać po pierwotnym połączeniu elementów

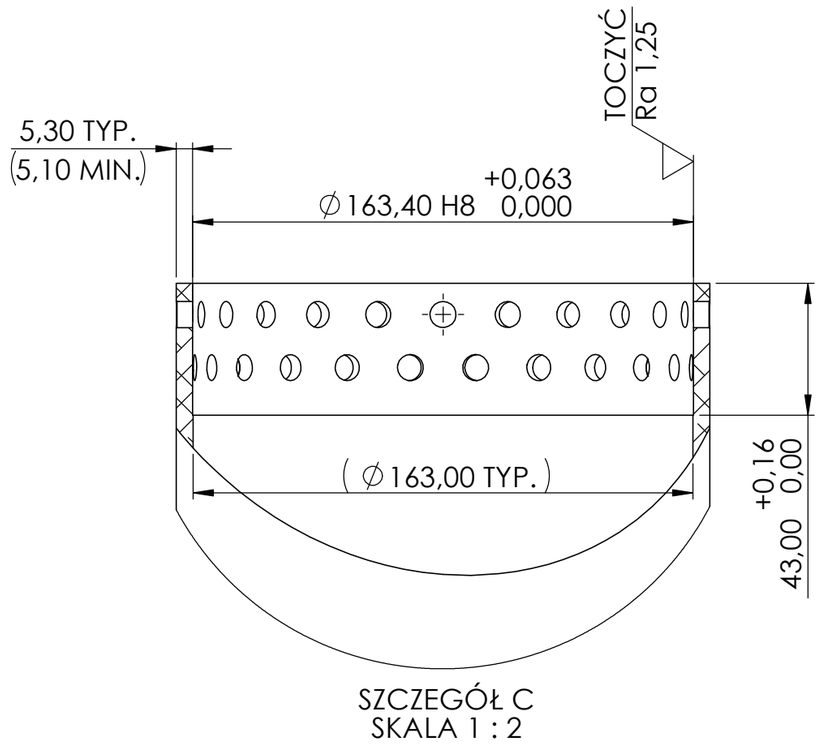


SZCZEGÓŁ B
SKALA 1 : 1

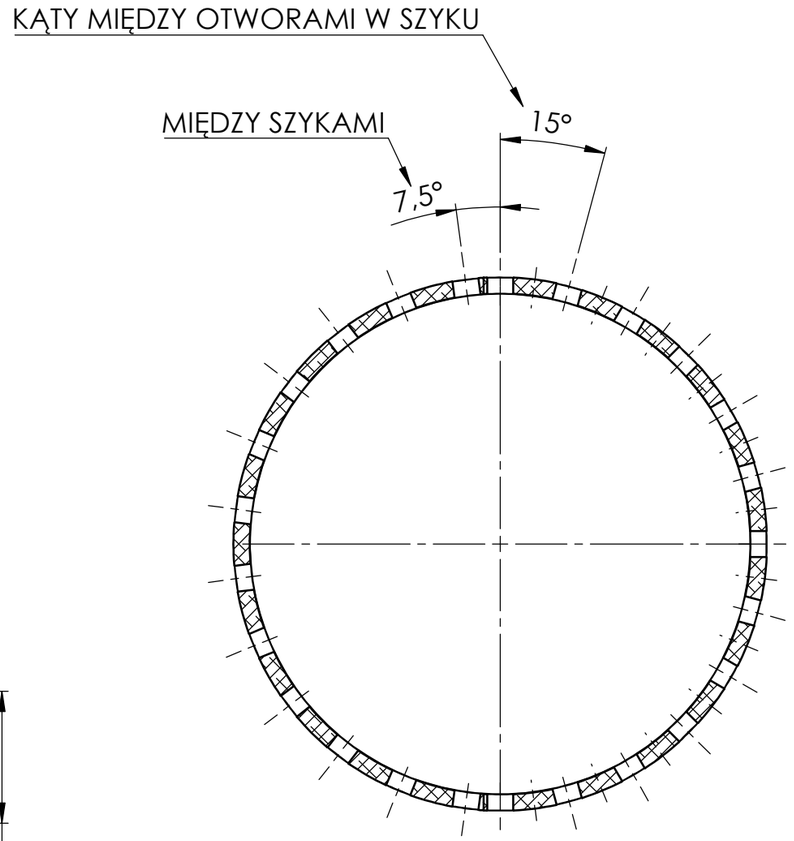
NR ELEMENTU	NUMER CZĘŚCI	OPIS	WAGA	ILOŚĆ
1	R7_ENG_2100_Erev2	Ściana zbiornka	5,767 kg	1
2	R7_ENG_2200_Erev3	Dennica dolna	1,418 kg	1
3	R7_ENG_2300_Erev2	Dennica górna	1,445 kg	1
4	DIN 912 M5 x 8	Śruba	-	96
5	O-ring 152x5	-	-	2

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP xxx	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE SIMBA
WEIGHT - kg	MATERIAL -	TITLE Zbiornik, dennice elipsoidalne - złoż.	
AUTHOR	DATE	NUM R7_ENG_2000rev2	
DESIGNED BY Mateusz Czapski	15.12.2024		
DRAWN BY Mateusz Czapski	15.12.2024	SIZE A3	SCALE 1:5 / SHEET 1 of 4
APPROVED BY			





SZCZEGÓŁ C
SKALA 1 : 2

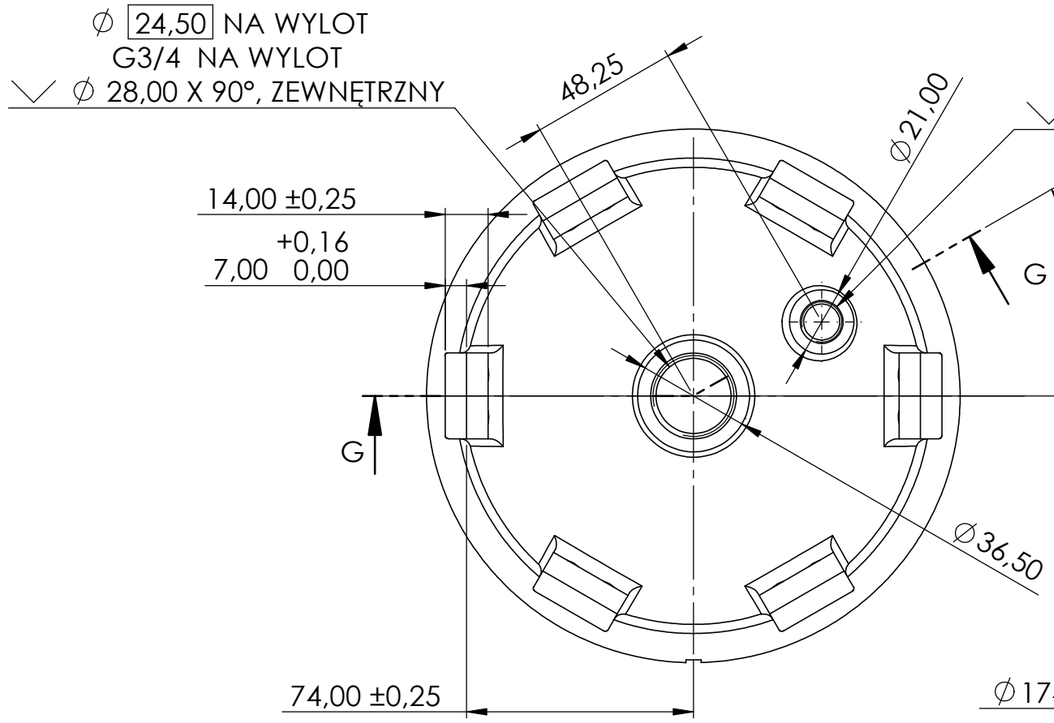


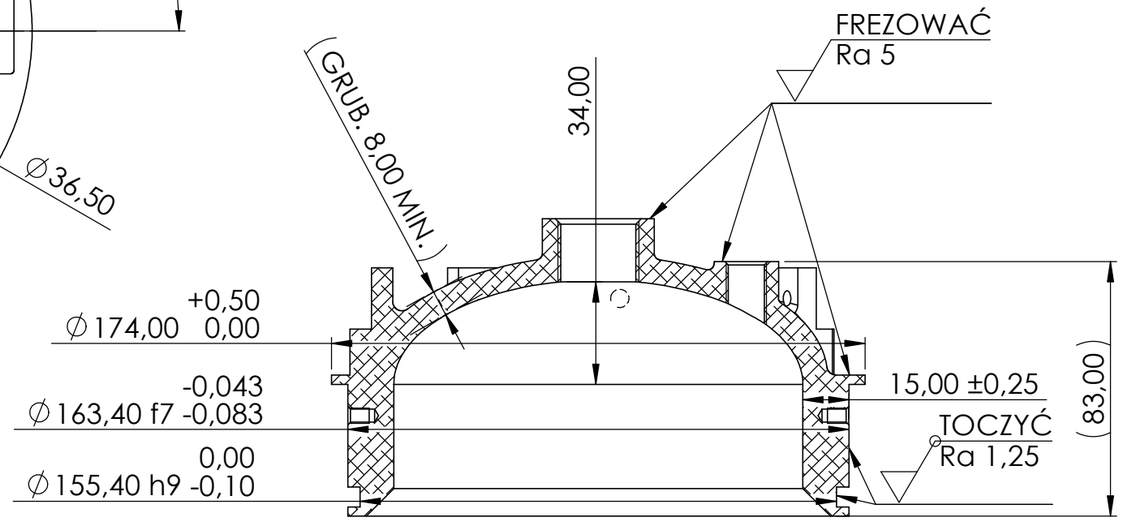
PRZEKRÓJ D-D
SKALA 1 : 2

1. Ostre krawędzie zatępić

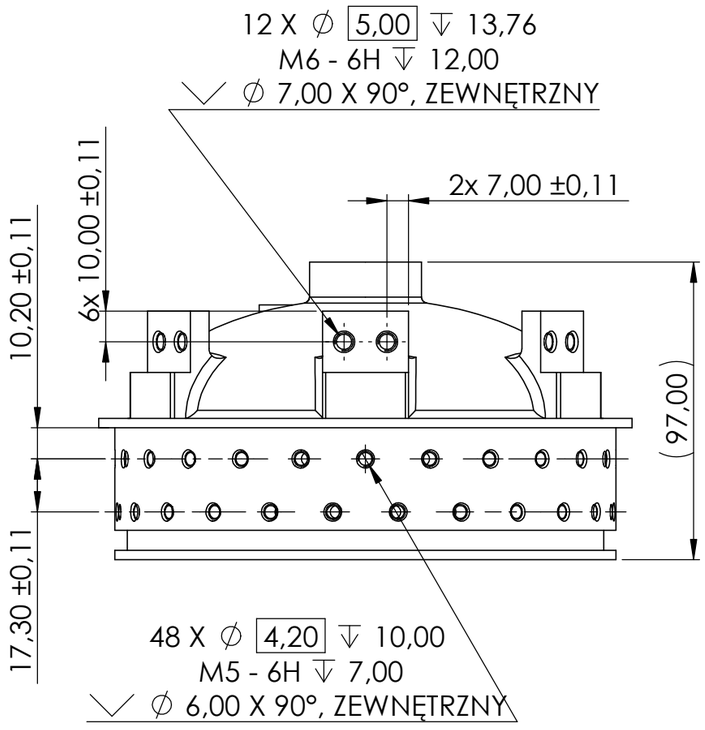
Ra 5

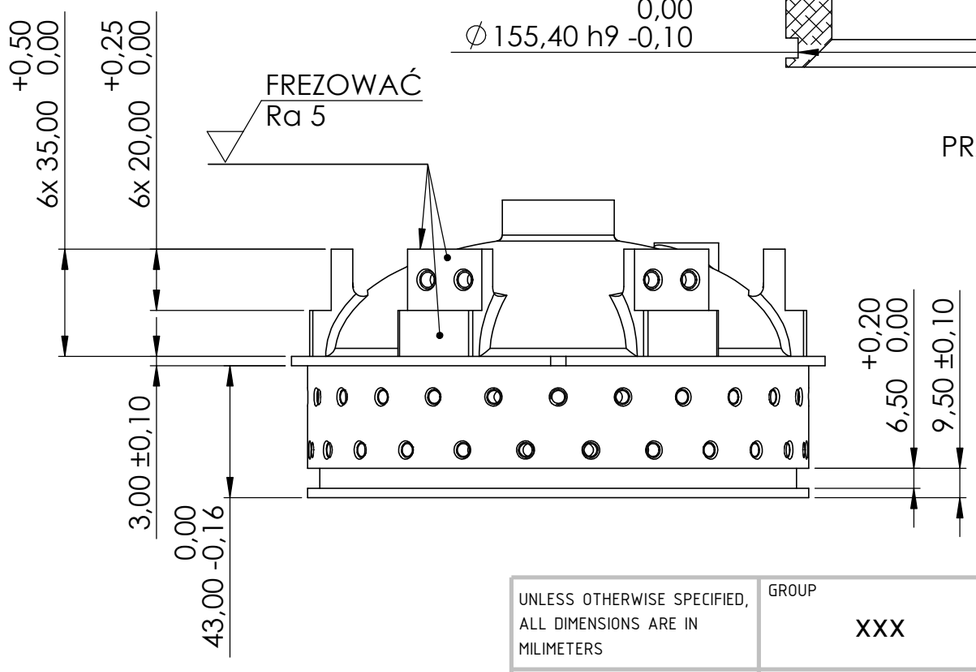
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: XXX	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE SIMBA
WEIGHT: 5,767 kg	MATERIAL: AW-6082	TITLE: Ściana zbiornika	
AUTHOR		DATE	NUM: R7_ENG_2100_Erev2
DESIGNED BY	Mateusz Czapski	23.11.2024	
DRAWN BY	Mateusz Czapski	15.12.2024	SIZE: A3 / SCALE: 1:5 / SHEET: 2 of 4
APPROVED BY			





PRZEKRÓJ G-G

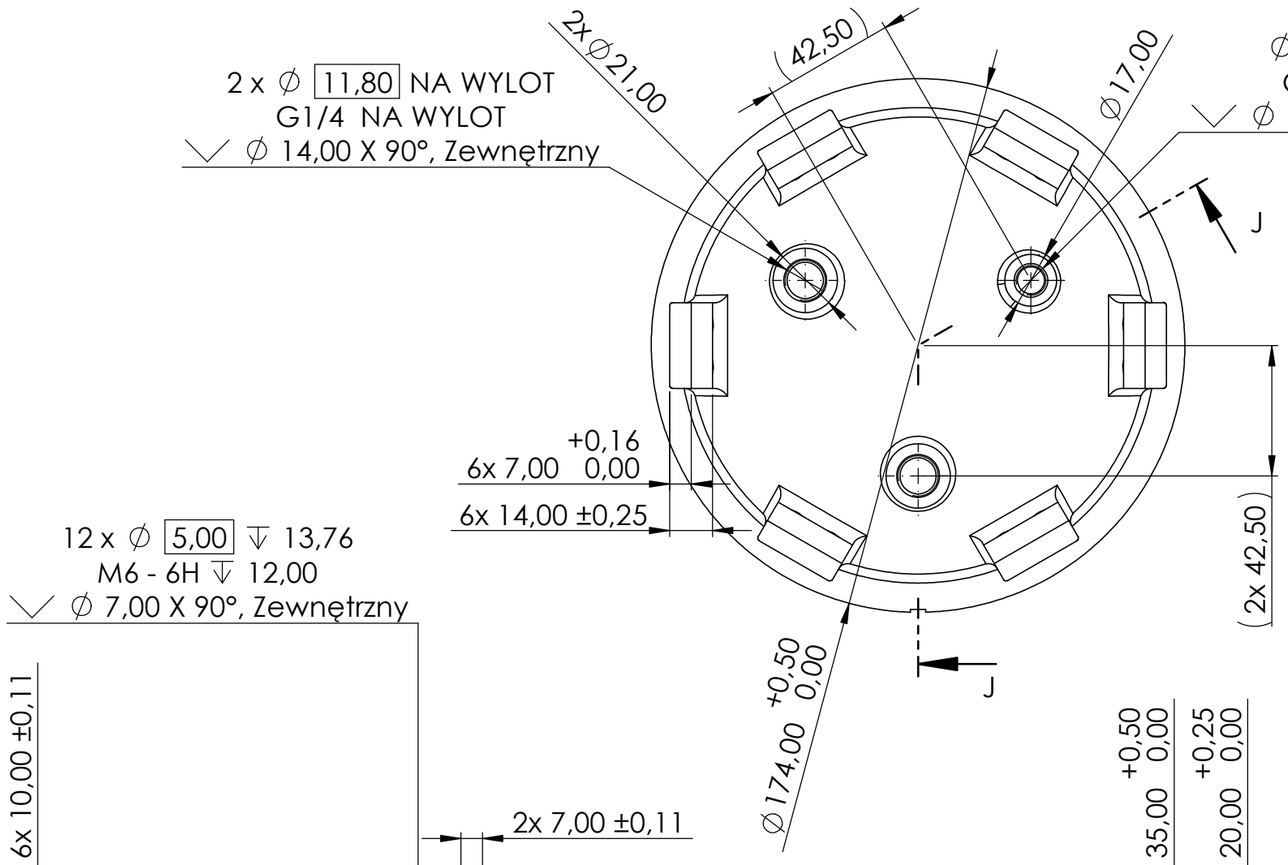


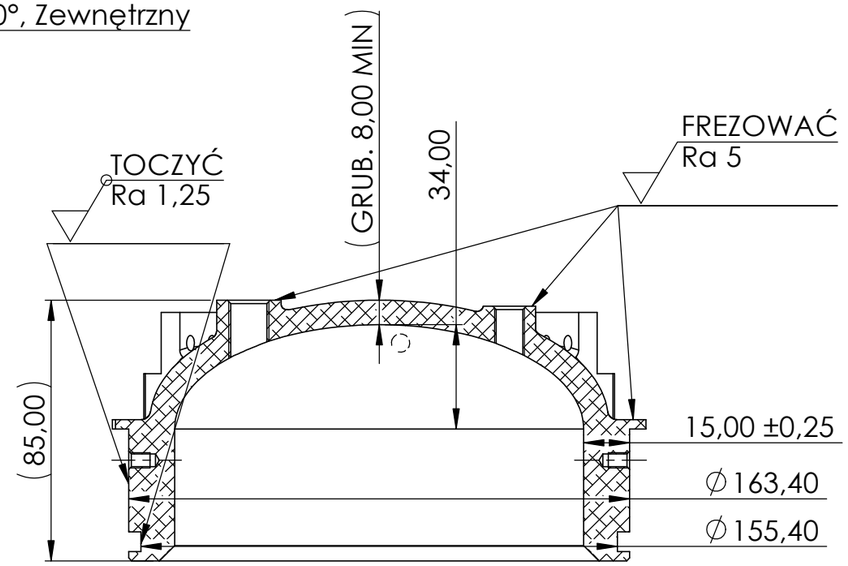


Ra 50

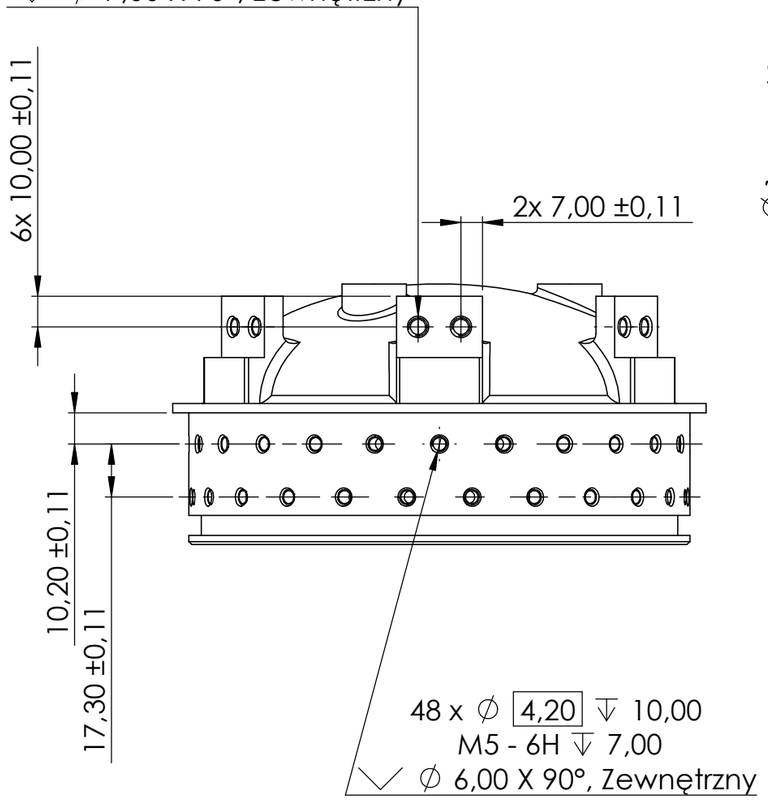
1. Ostre krawędzie zatępić

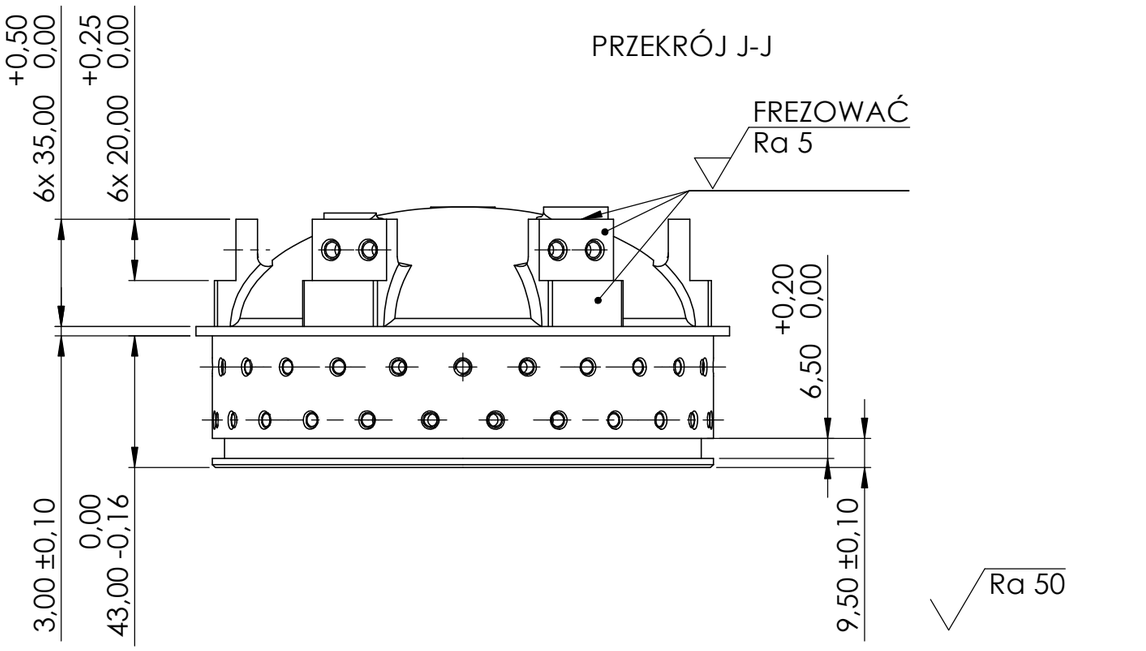
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: XXX	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE SIMBA
WEIGHT: 1,418 kg	MATERIAL: AlSi10Mg	TITLE: Dennica górna	
AUTHOR		DATE	NUM: R7_ENG_2200_Erev3
DESIGNED BY	Mateusz Czapski	15.12.2024	
DRAWN BY	Mateusz Czapski	15.12.2024	SIZE: A3 / SCALE: 1:2 / SHEET: 3 of 4
APPROVED BY			





PRZEKRÓJ J-J





1. Ostre krawędzie zatępić

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILIMETERS	GROUP: XXX	GDAŃSK UNIVERSITY OF TECHNOLOGY	SIMLE SIMBA
WEIGHT: 1,445 kg	MATERIAL: AlSi10Mg	TITLE: Dennica górna	
AUTHOR		DATE	NUM: R7_ENG_2300_Erev2
DESIGNED BY	Mateusz Czapski	15.12.2024	
DRAWN BY	Mateusz Czapski	15.12.2024	SIZE: A3 / SCALE: 1:2 / SHEET: 4 of 4
APPROVED BY			