

# **ES 101 PROJECT - FINAL REPORT**

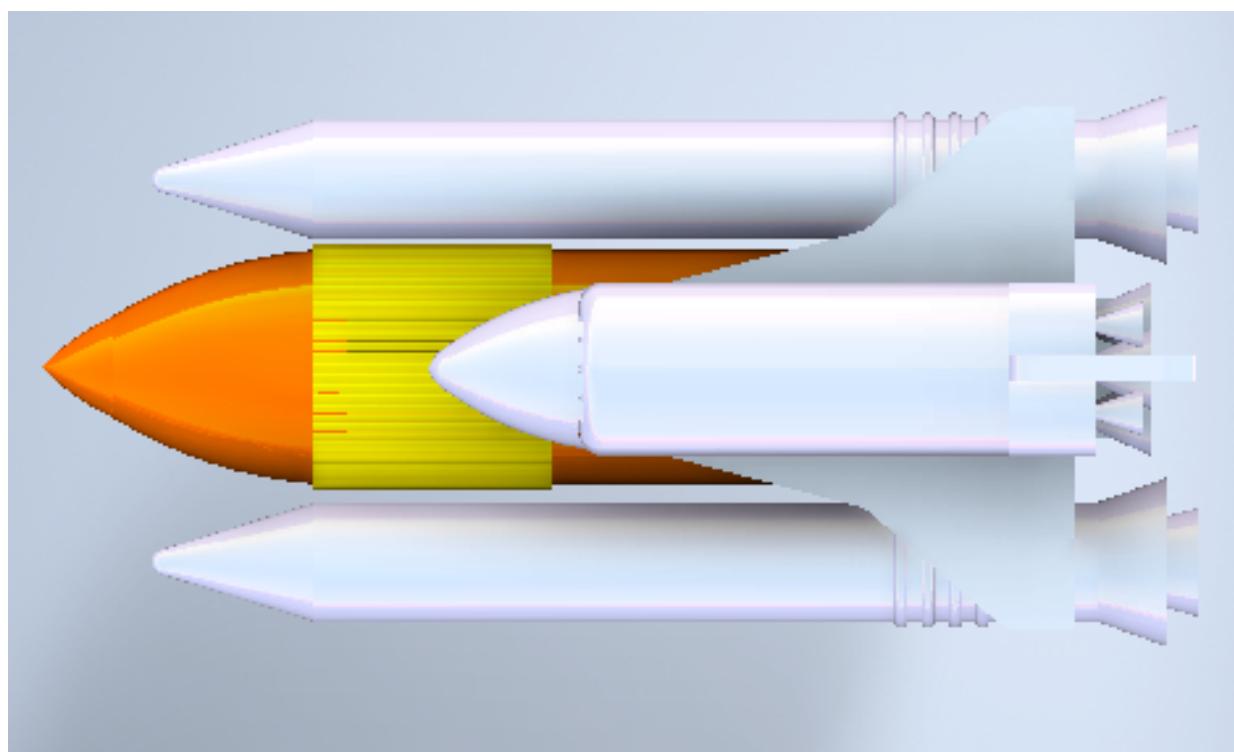
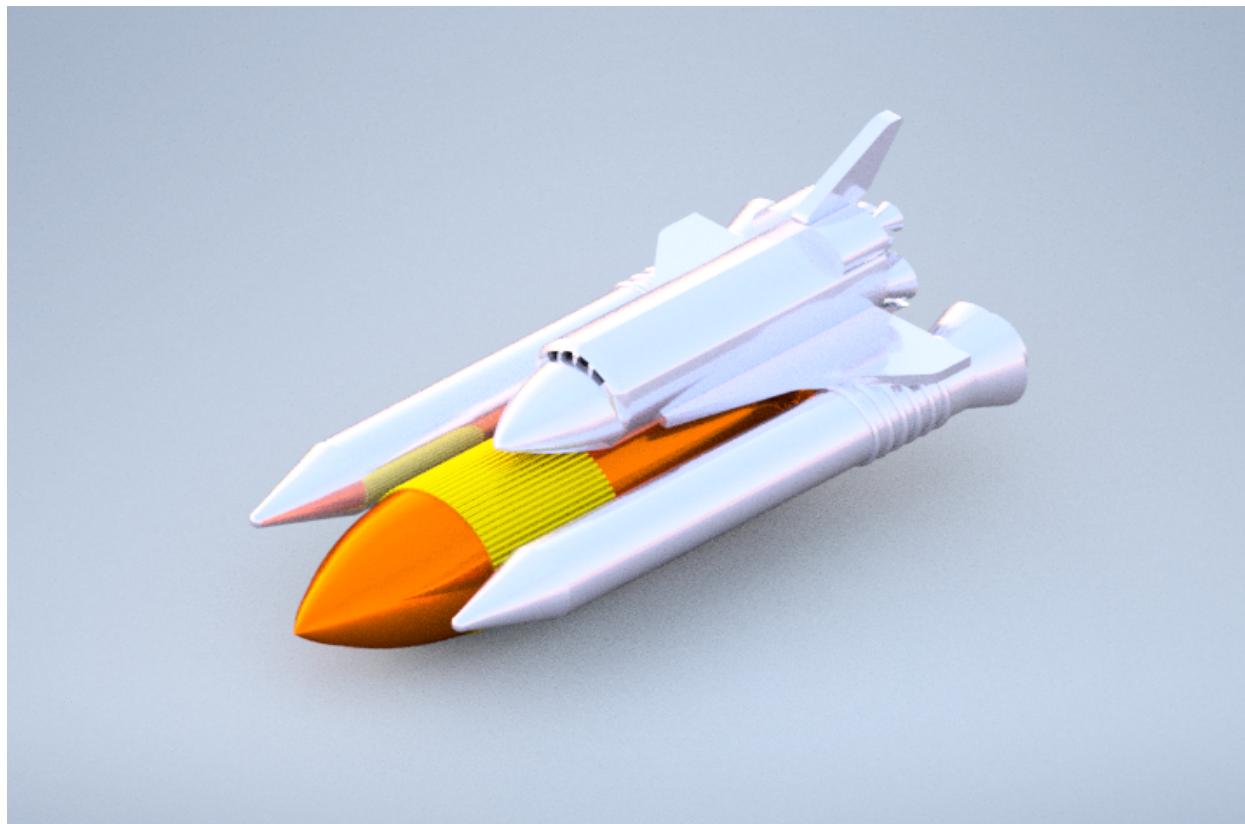
## **SPACE SHUTTLE**

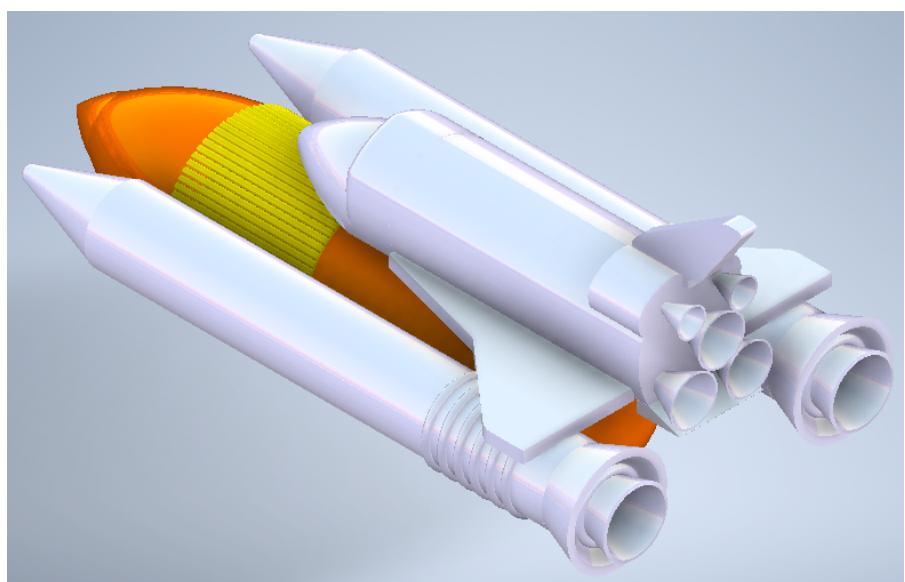
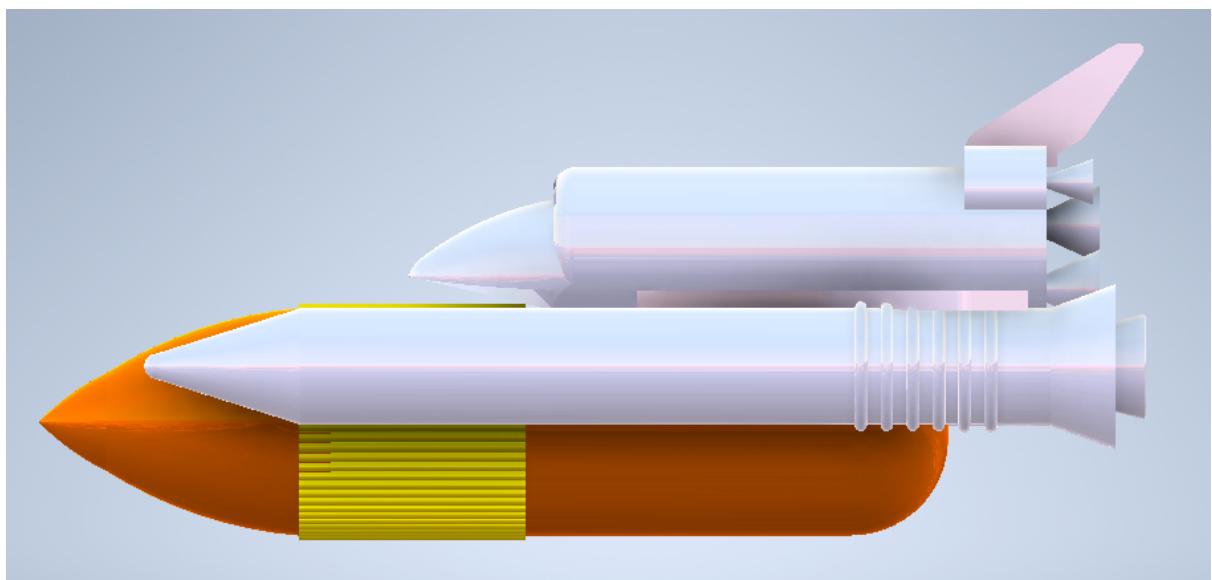
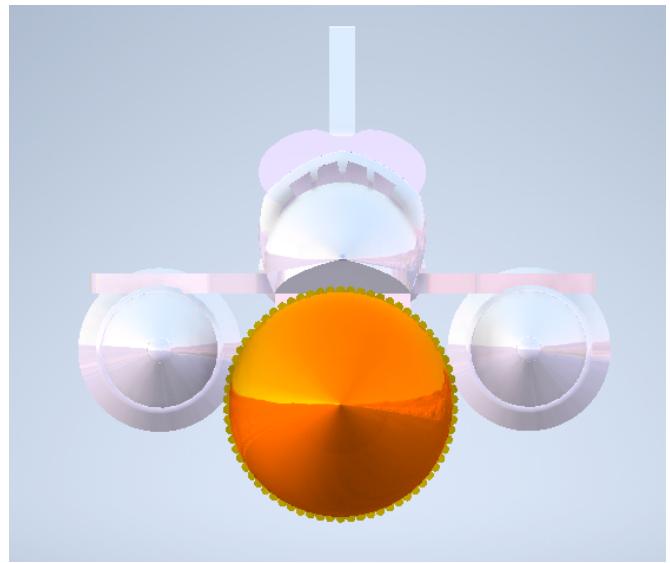
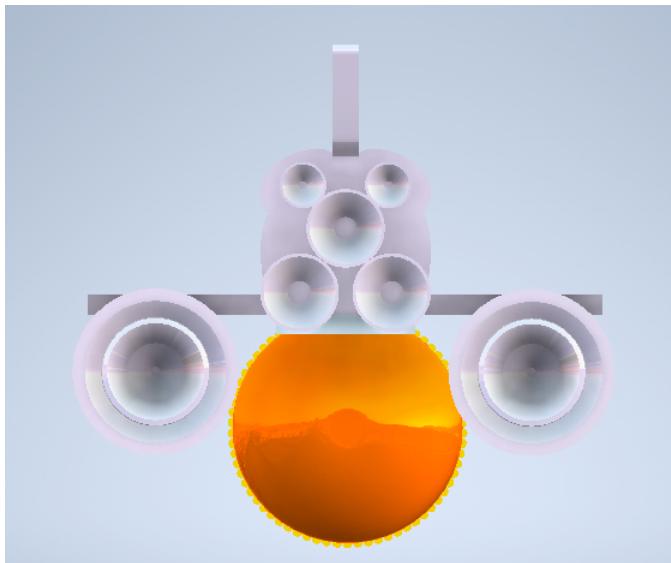
**BY  
GROUP 26**

# TEAM MEMBERS:

S.No	Names	Roll No
1	Sujal Patel	22110261
2	Suresh Lusi Tamin	22110262
3	Suryavanshi Parth	22110263
4	Sushant Gudmewar	22110264
5	Susmita R	22110265
6	Suteekshna Mishra	22110266
7	Swami Rutuja	22110267
8	Tamanna Meena	22110268
9	Tamizhanban A G	22110269
10	Tapananshu Gandhi	22110270

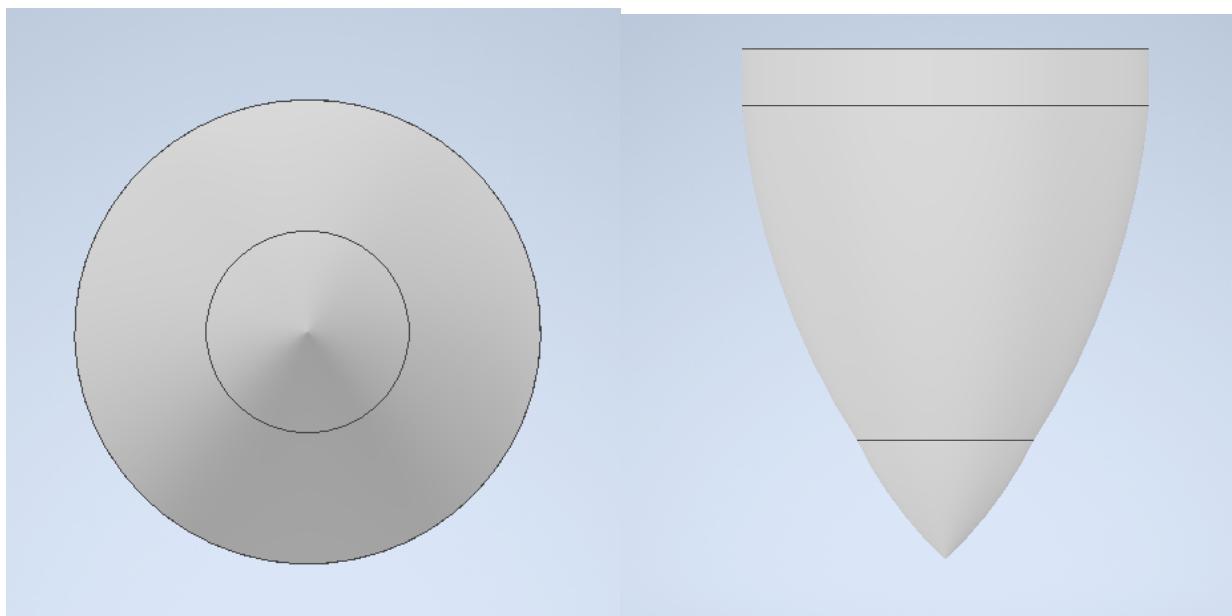
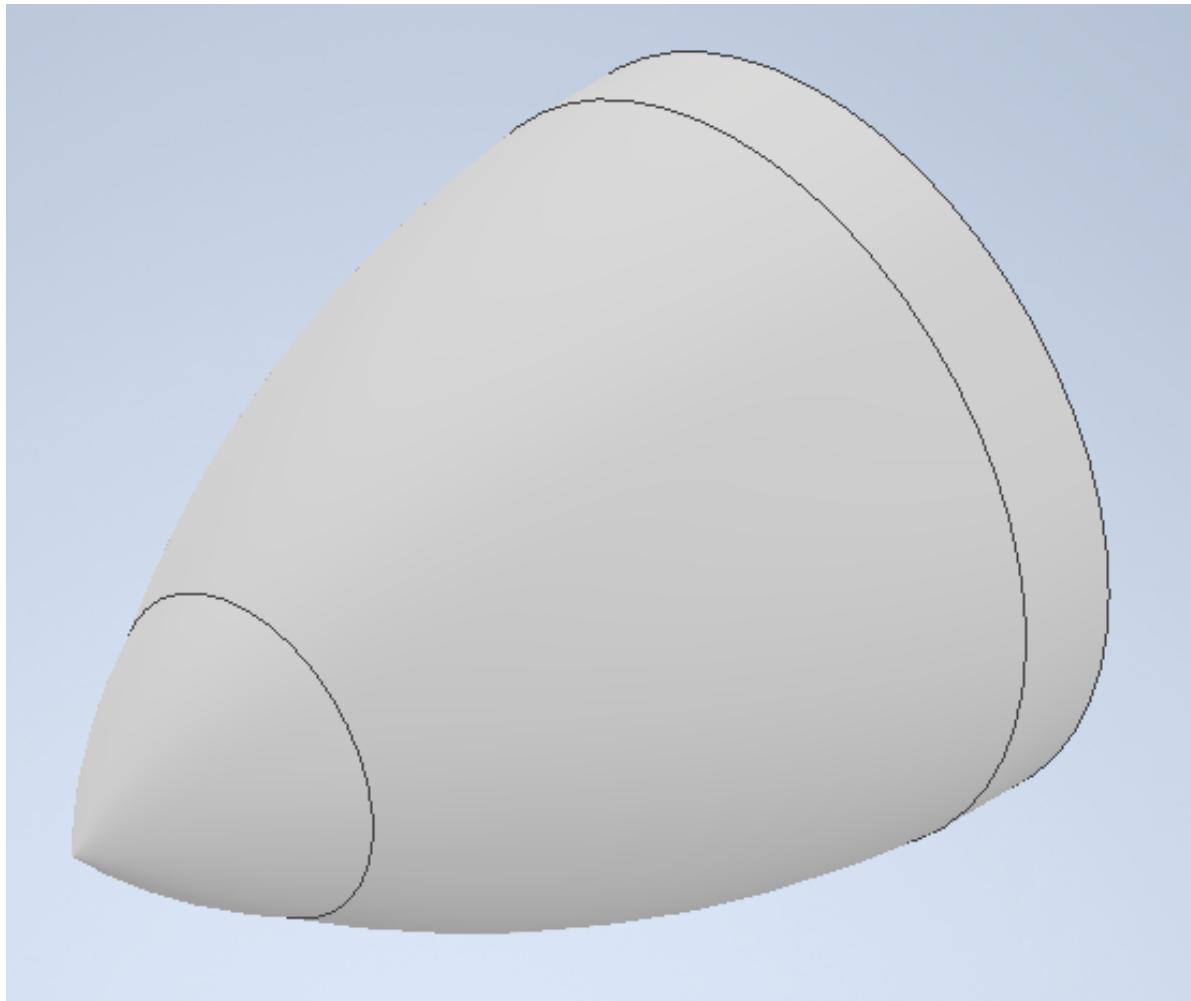
## SPACE SHUTTLE FINAL ASSEMBLY



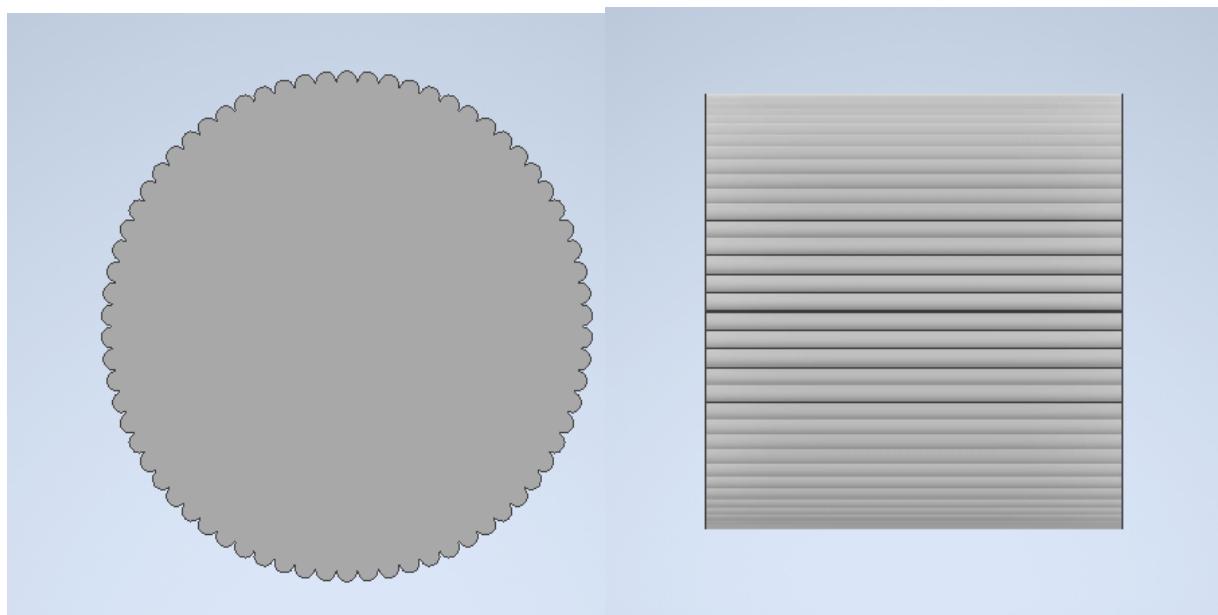
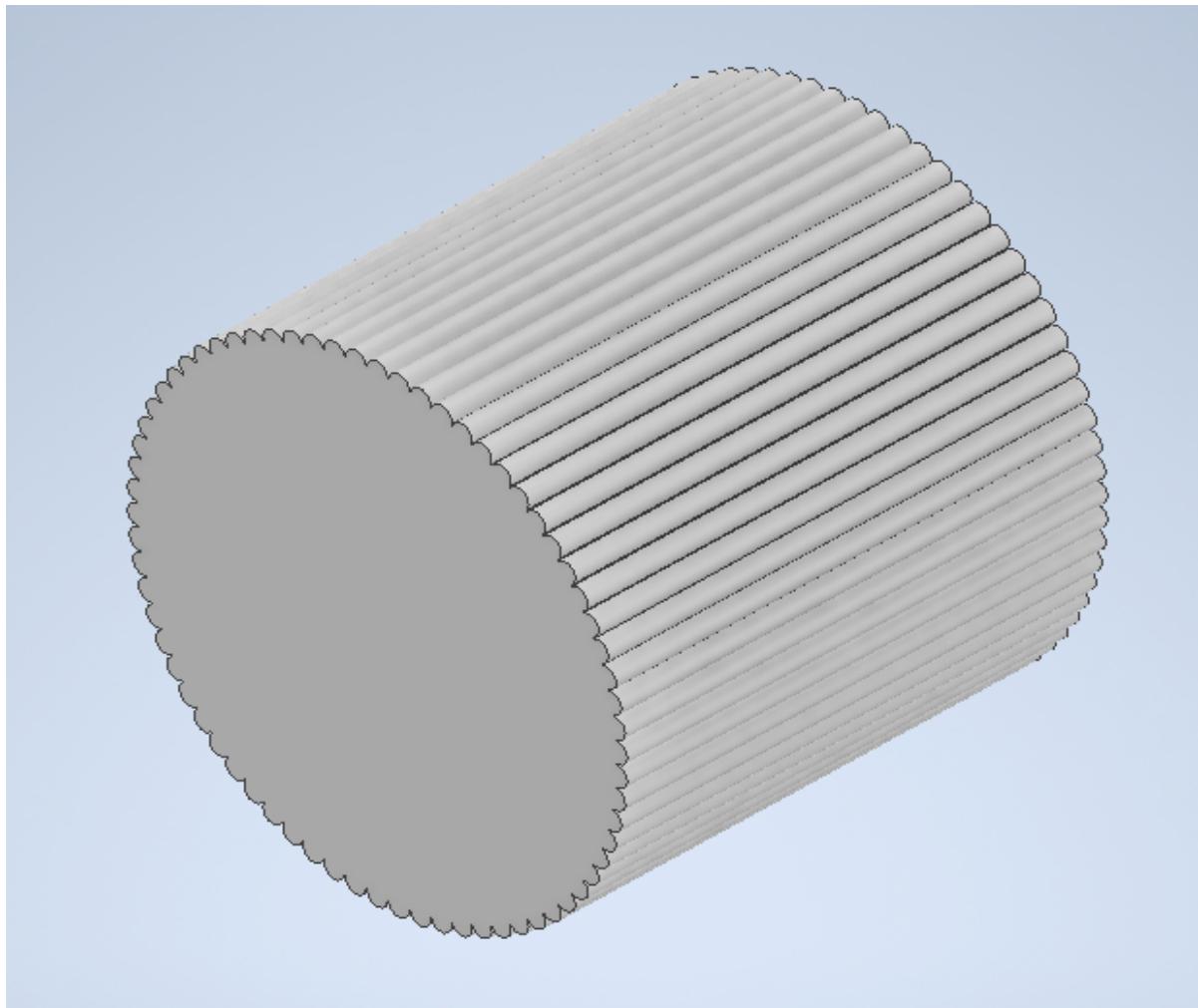


# **EXTERNAL TANK PARTS**

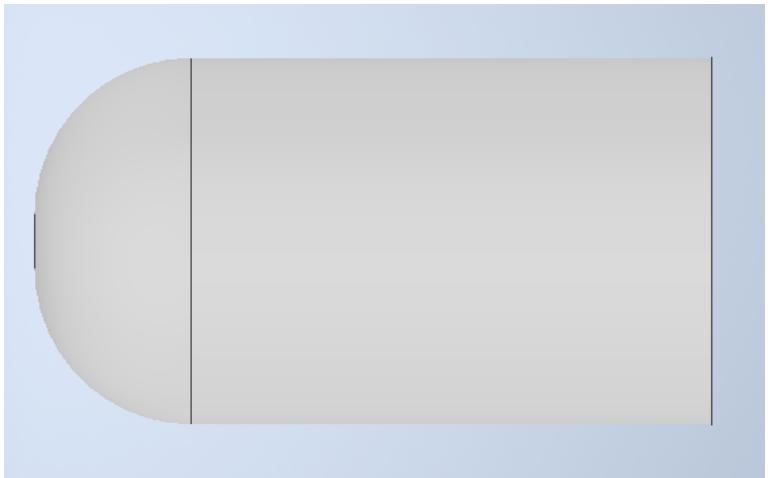
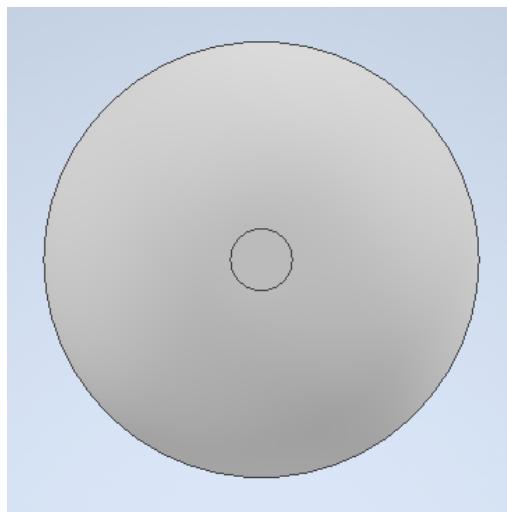
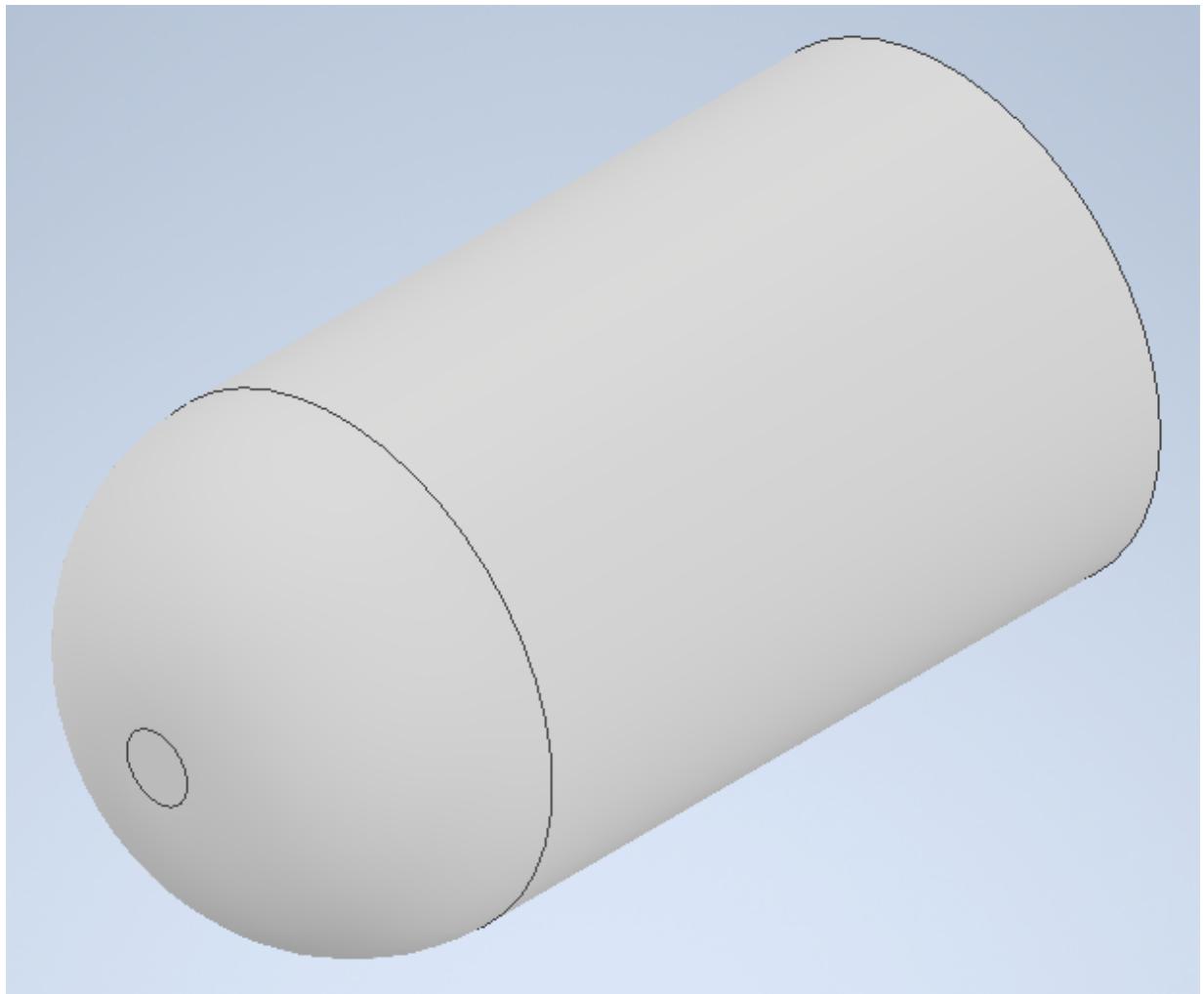
## **1. LIQUID OXYGEN TANK:**



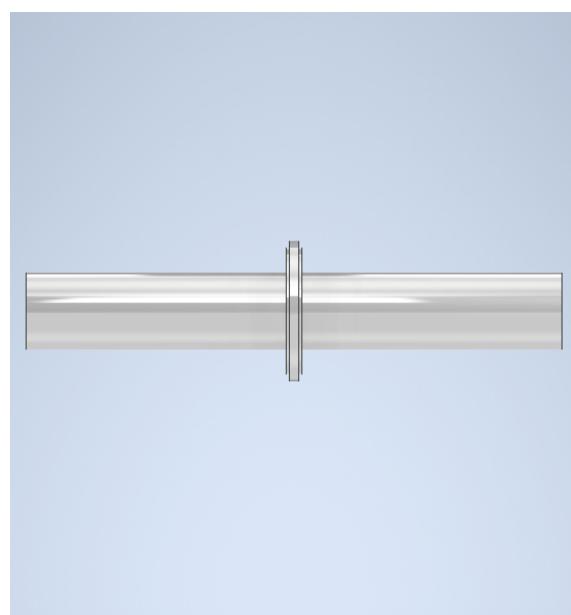
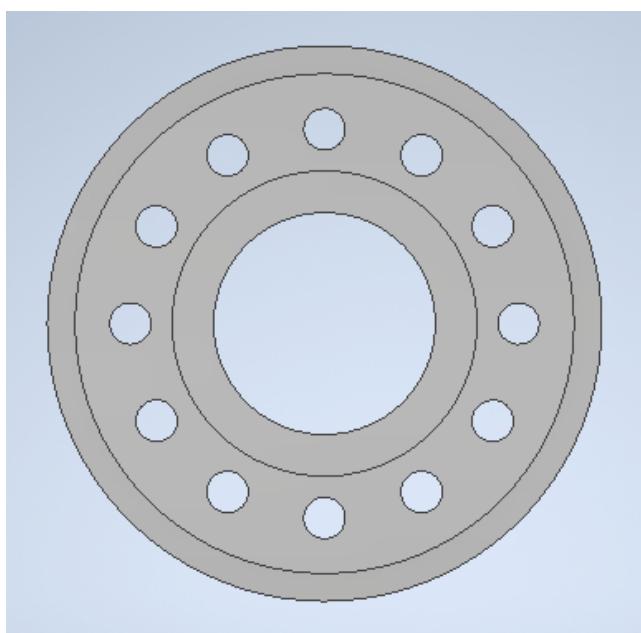
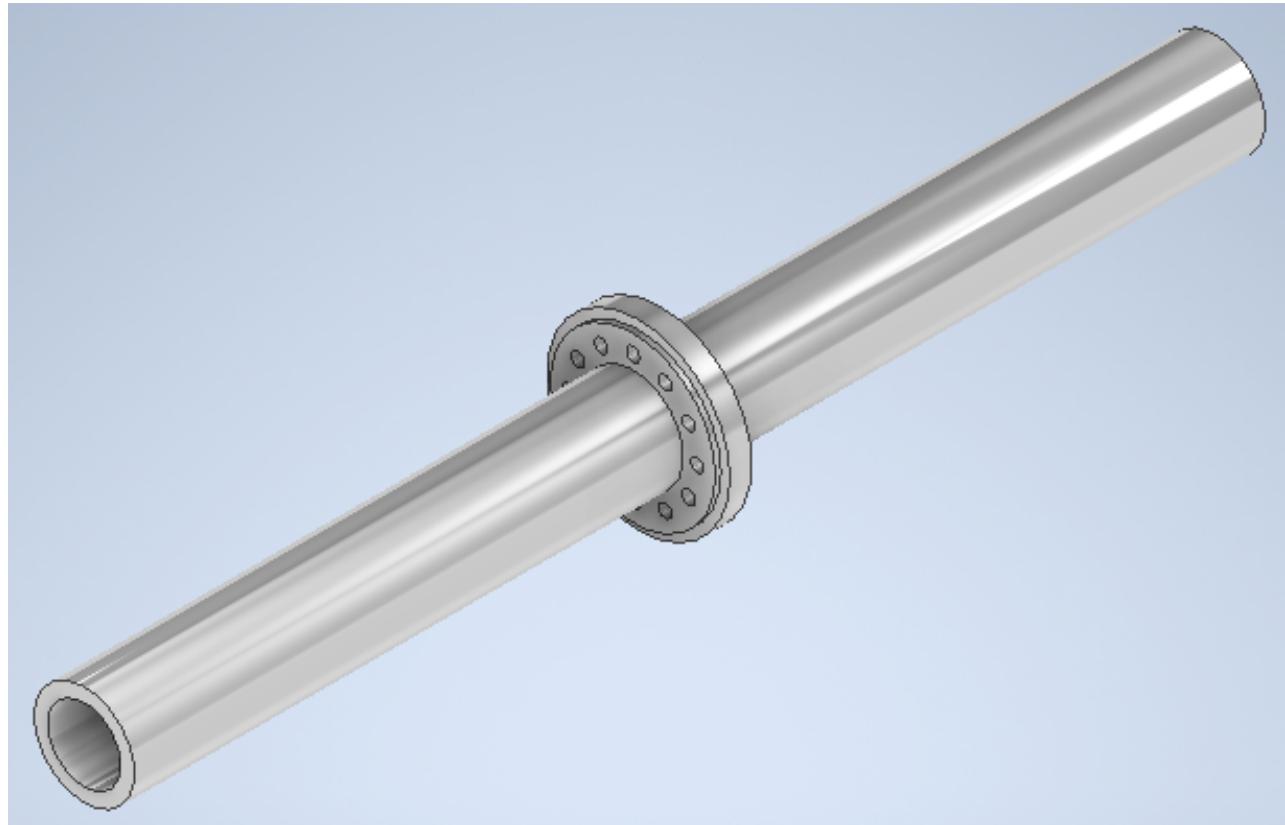
## 2. INTERTANK



### 3. LIQUID HYDROGEN TANK

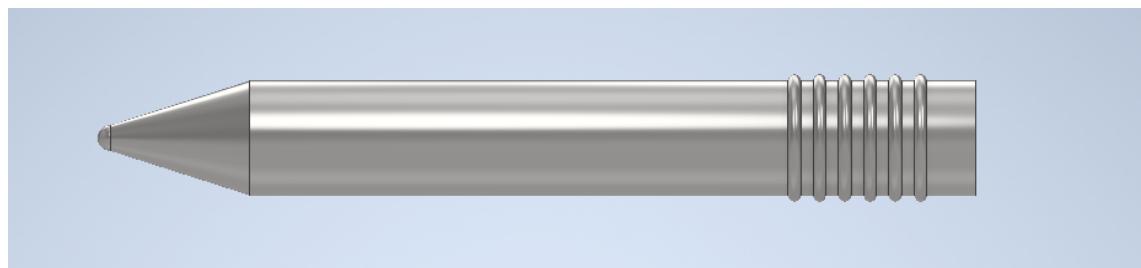
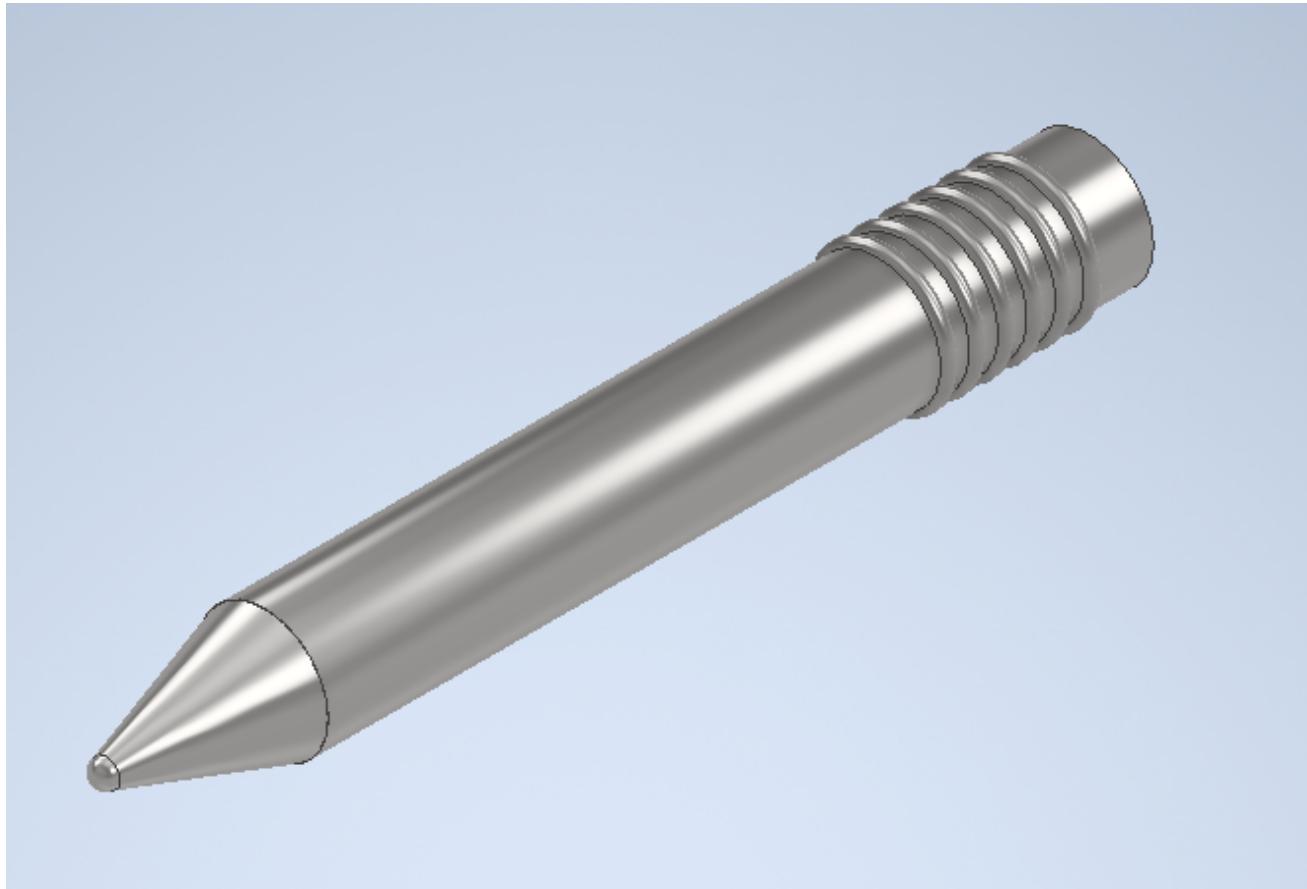


## 4. FUEL FEED LINES

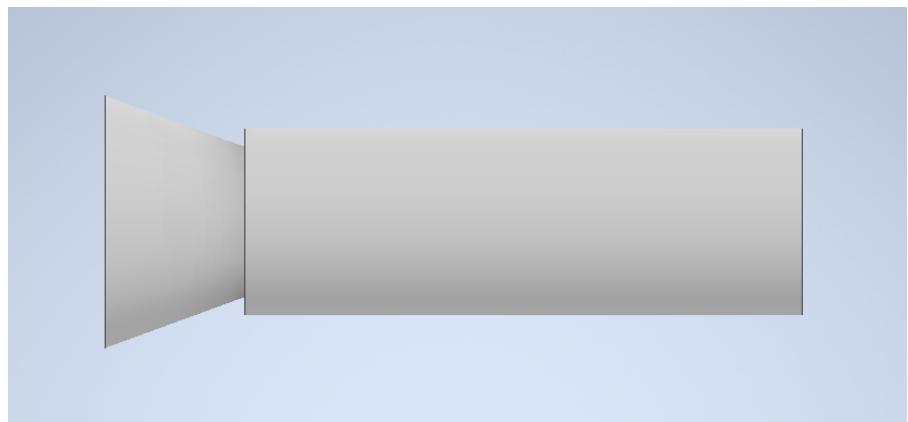
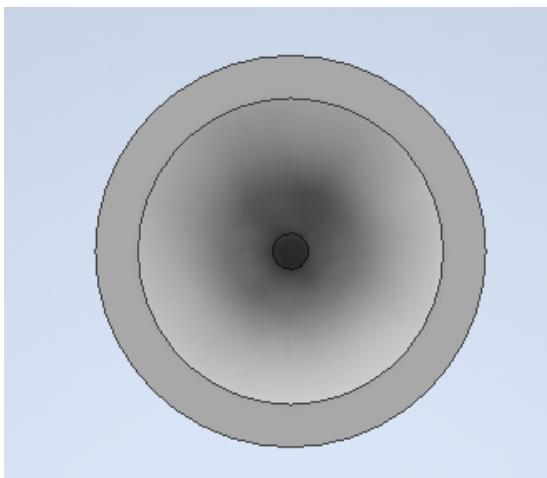
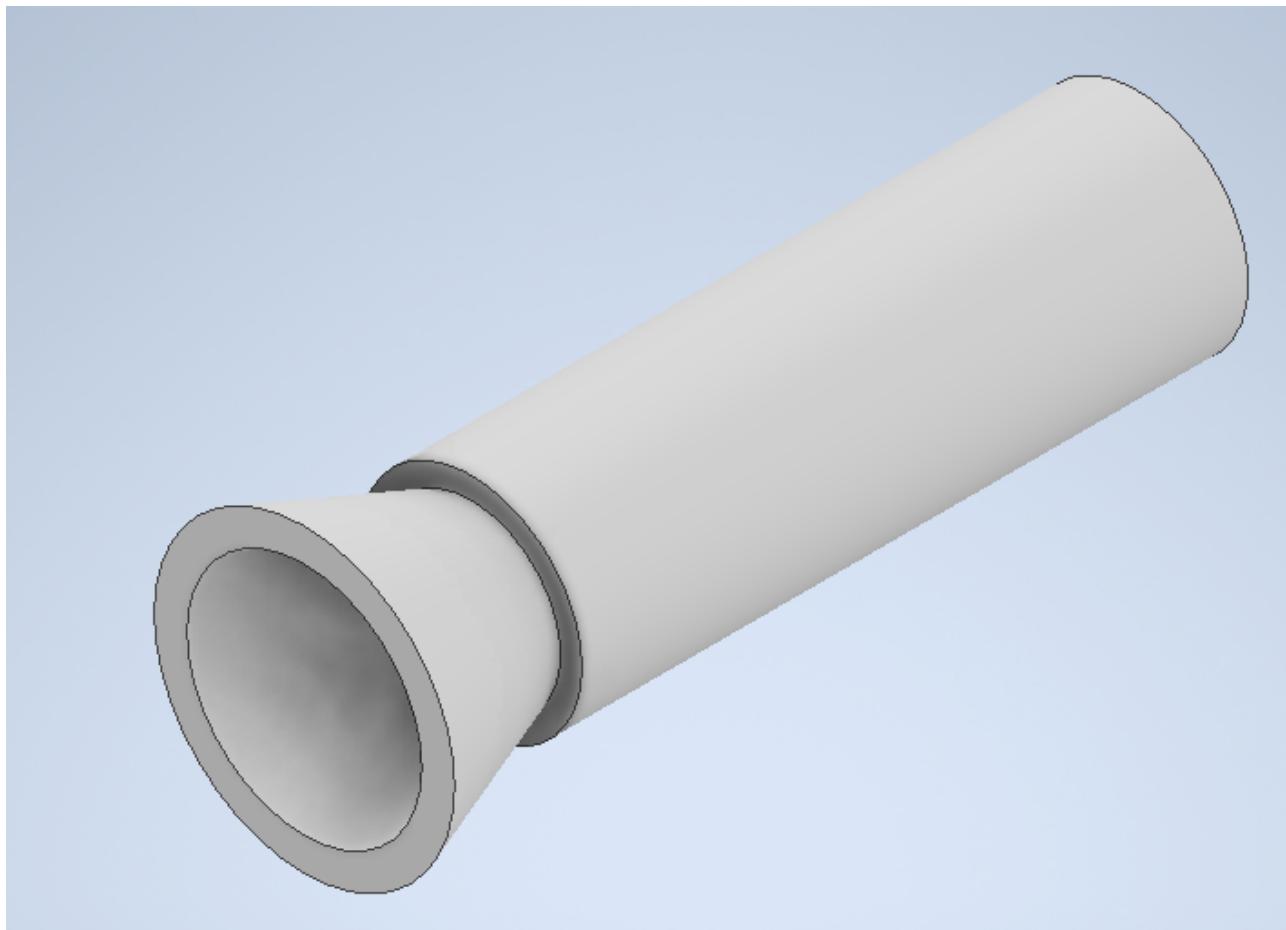


# **SOLID ROCKET BOOSTERS' PARTS**

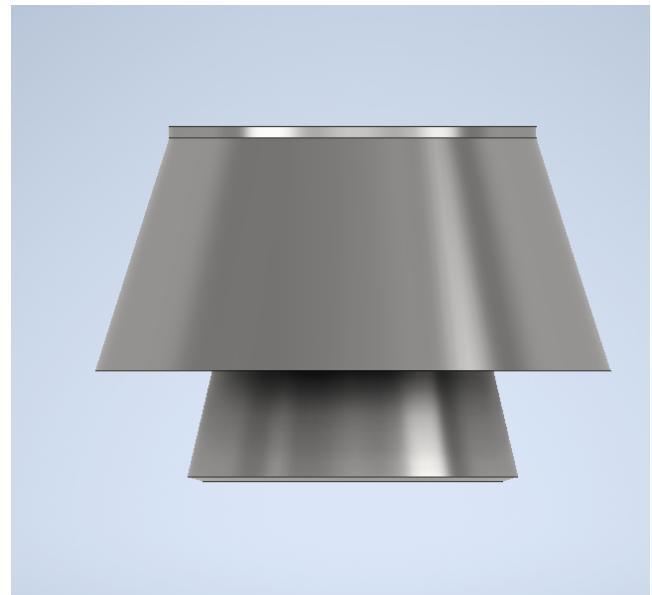
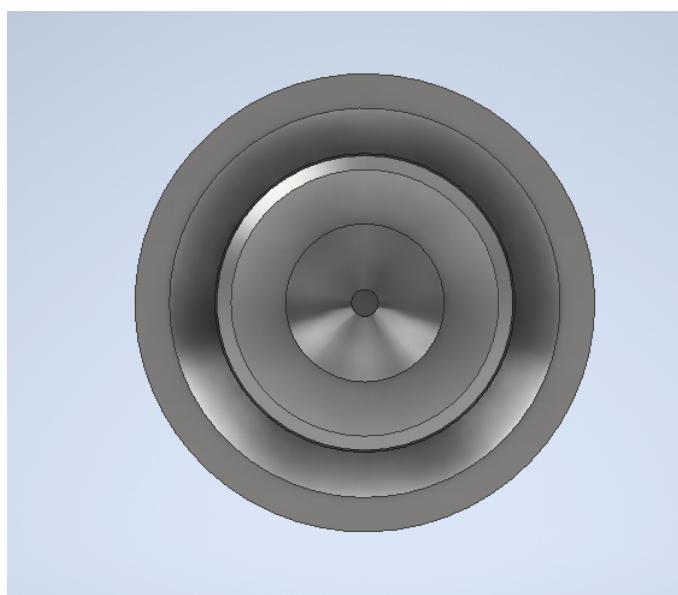
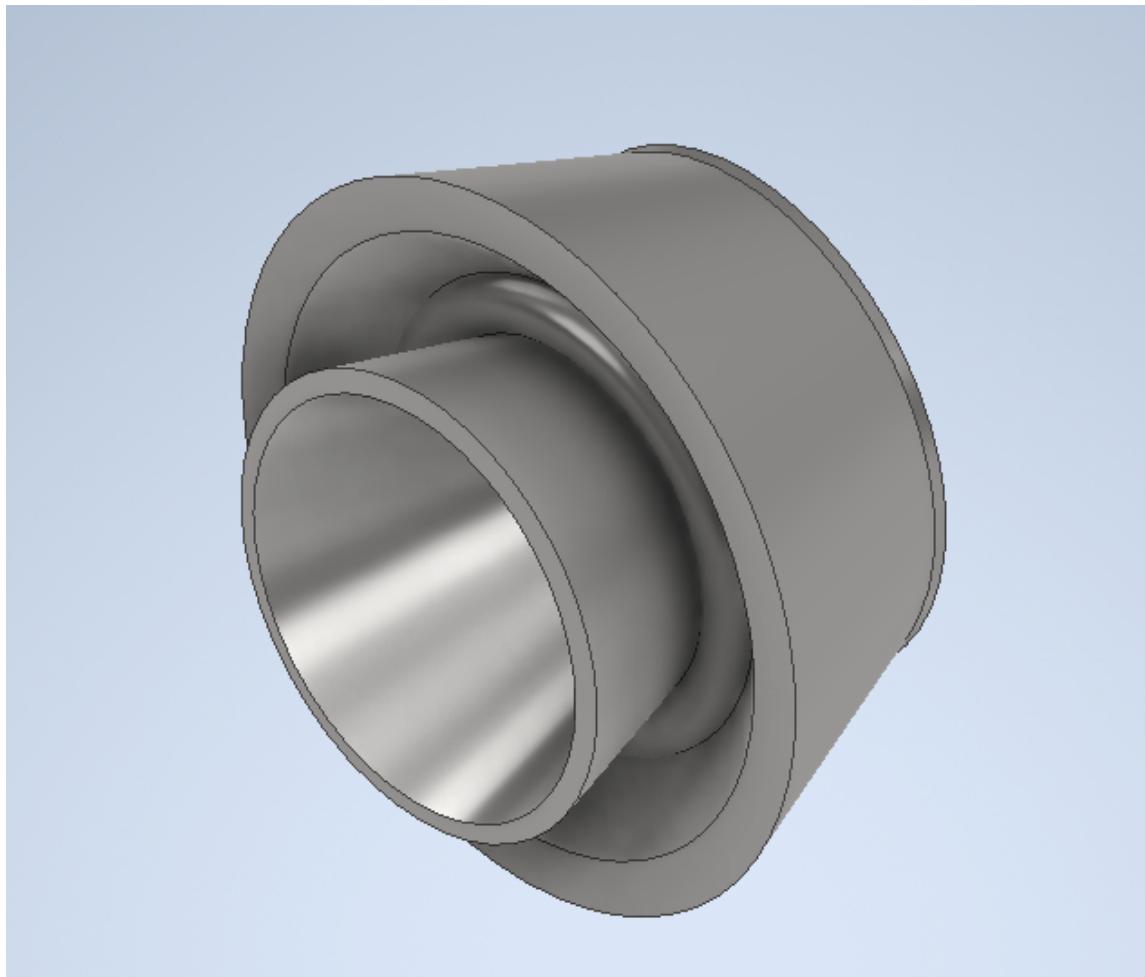
## 5. BODY



## 6. SEPARATION MOTORS

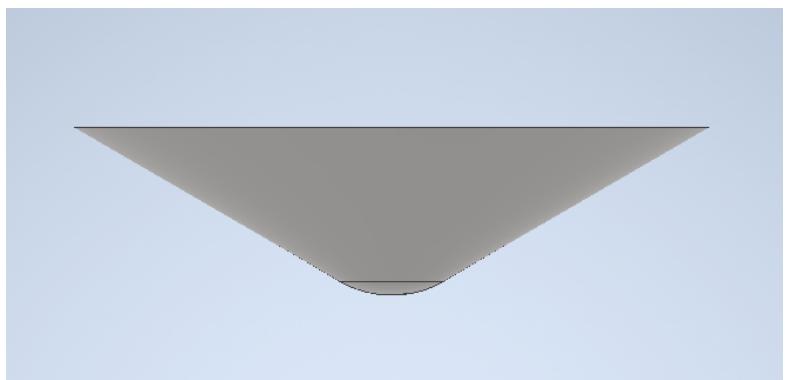
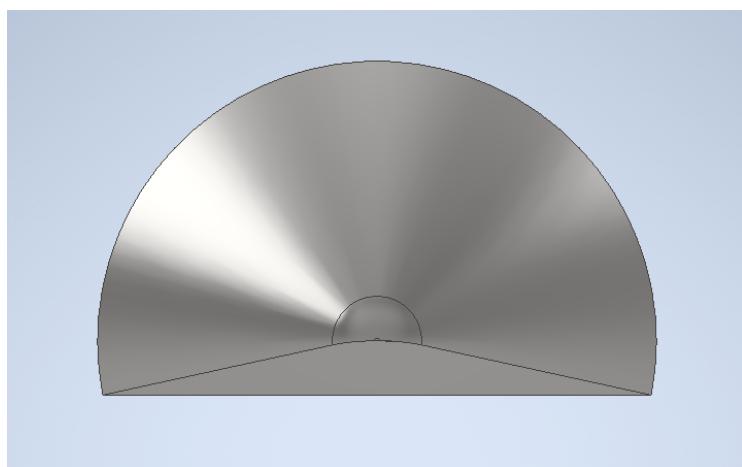
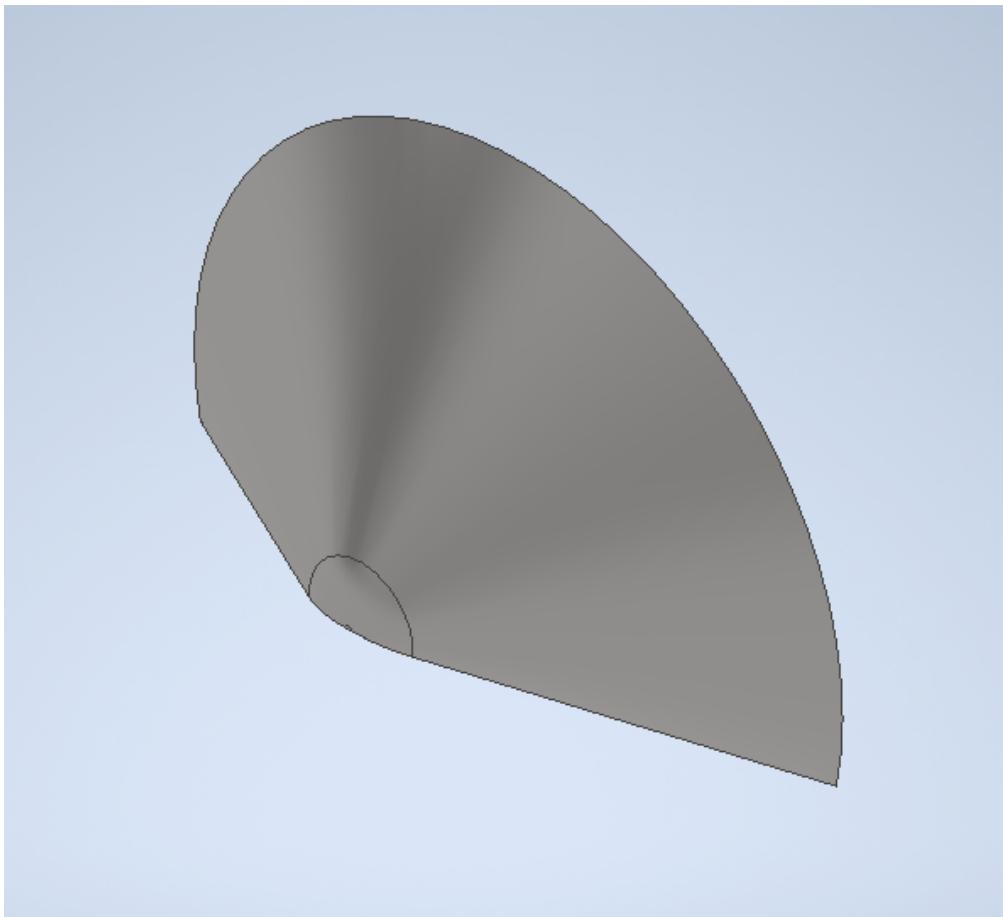


## 7. NOZZLE AND THRUST VECTOR CONTROL SYSTEM

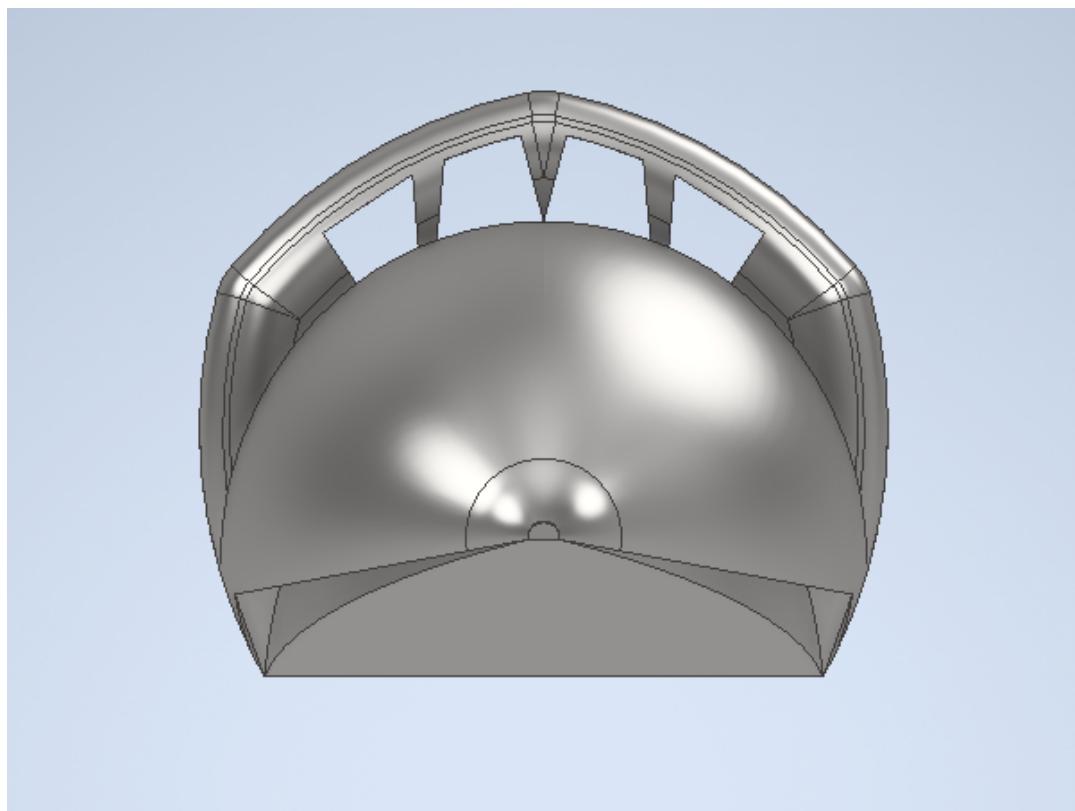
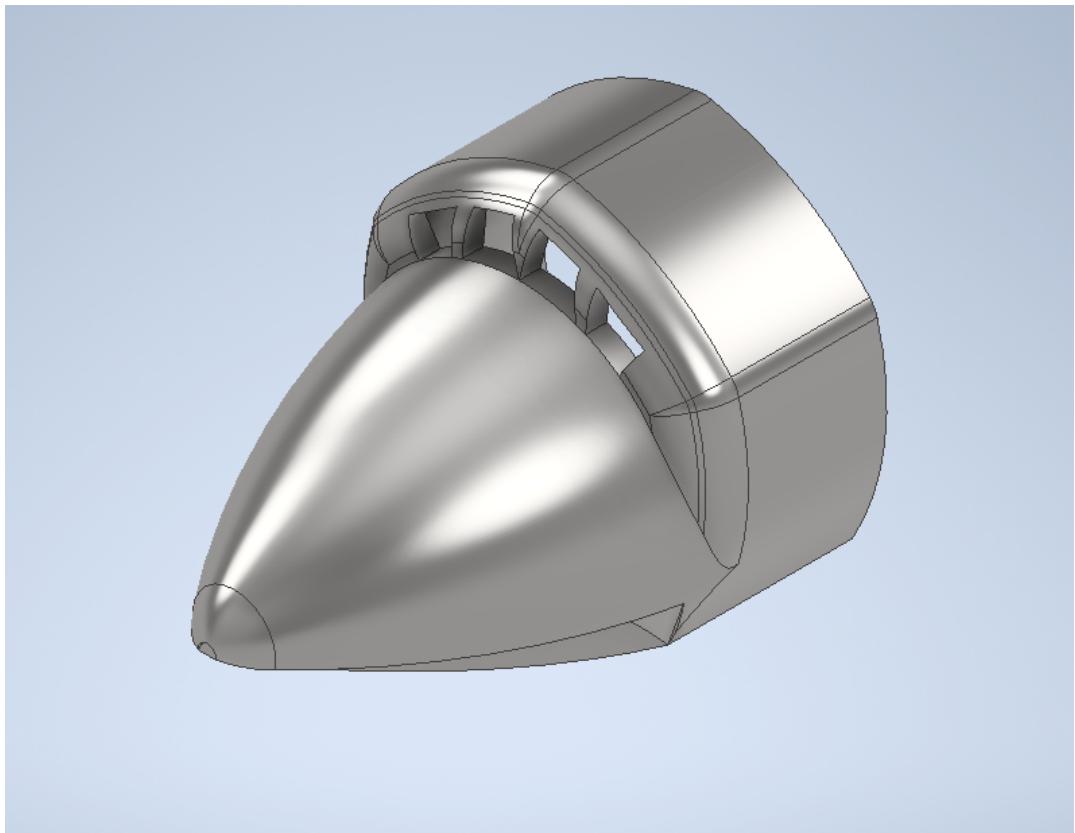


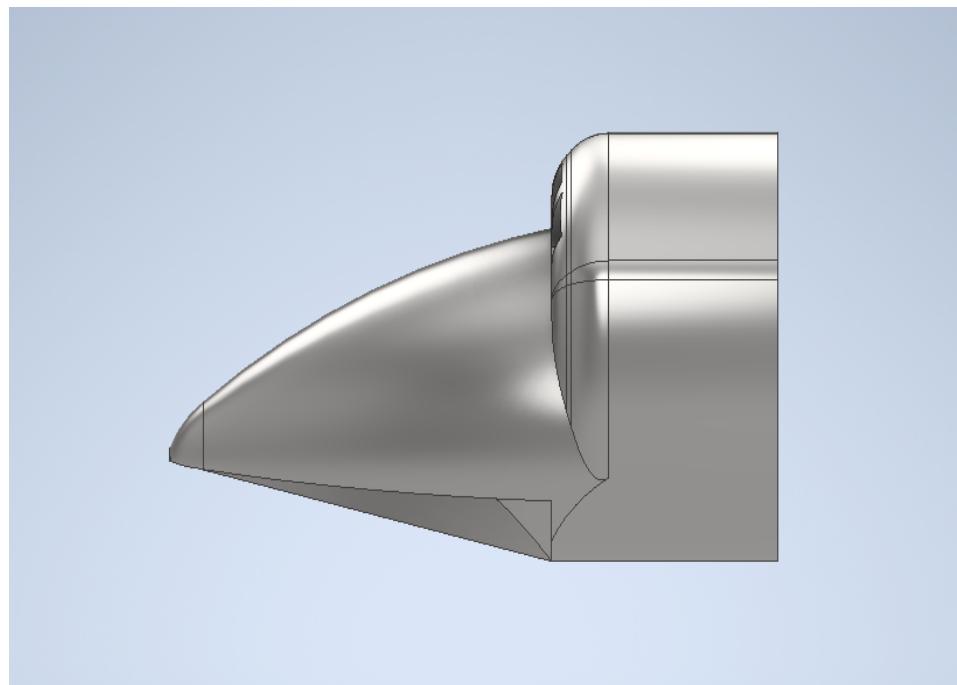
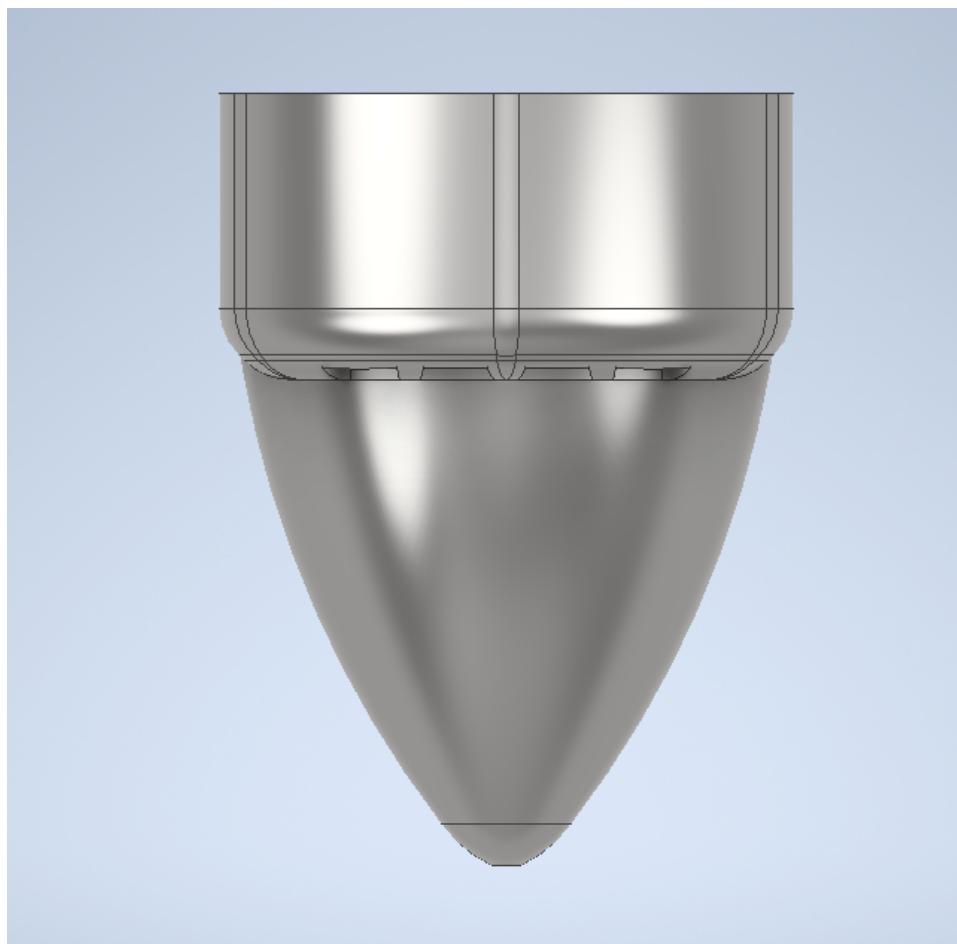
# **ORBITER PARTS**

## 8. NOSE OF ORBITER

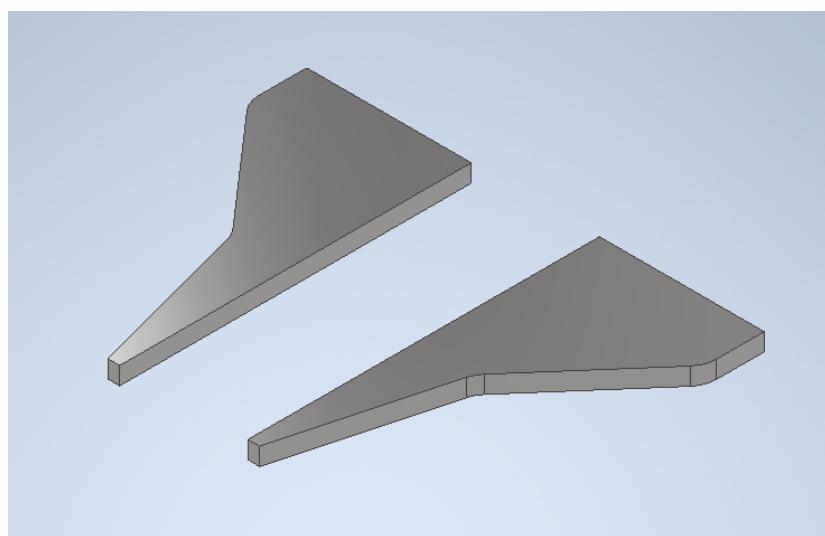
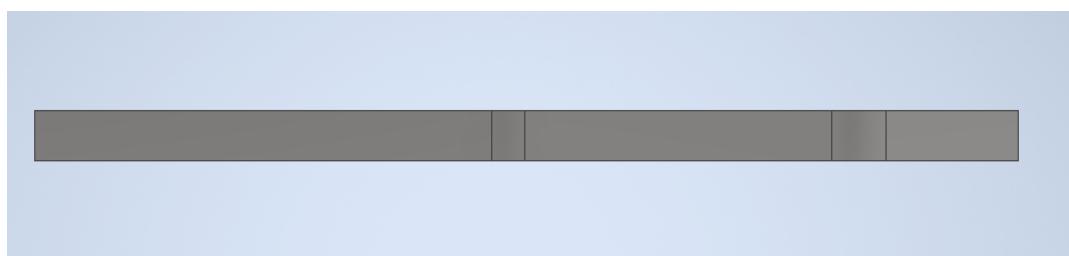
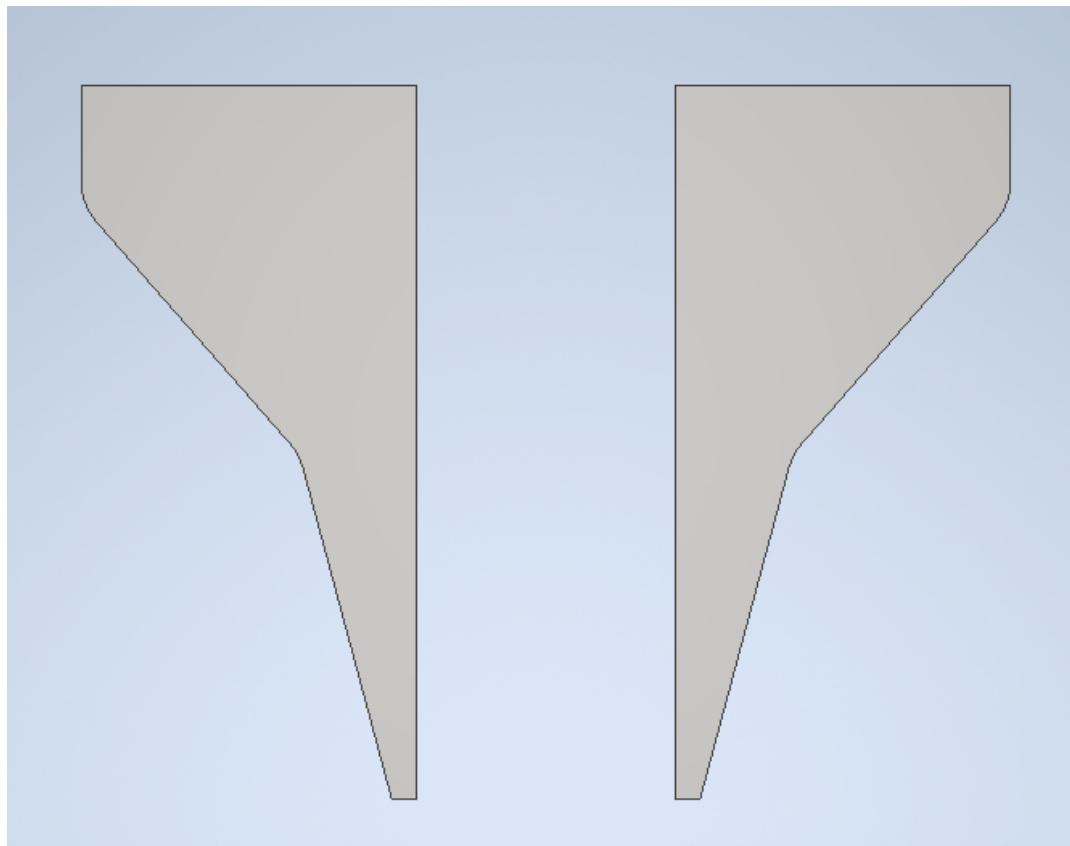


## 9. CREW COMPARTMENT

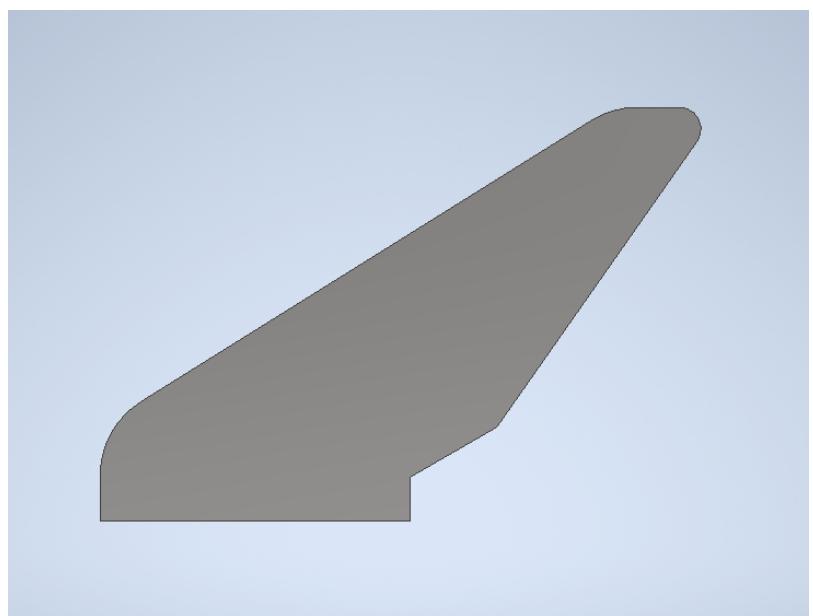
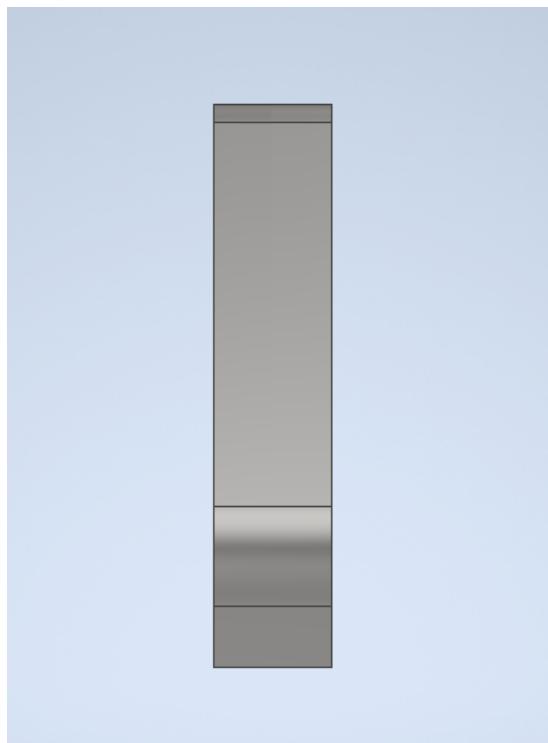
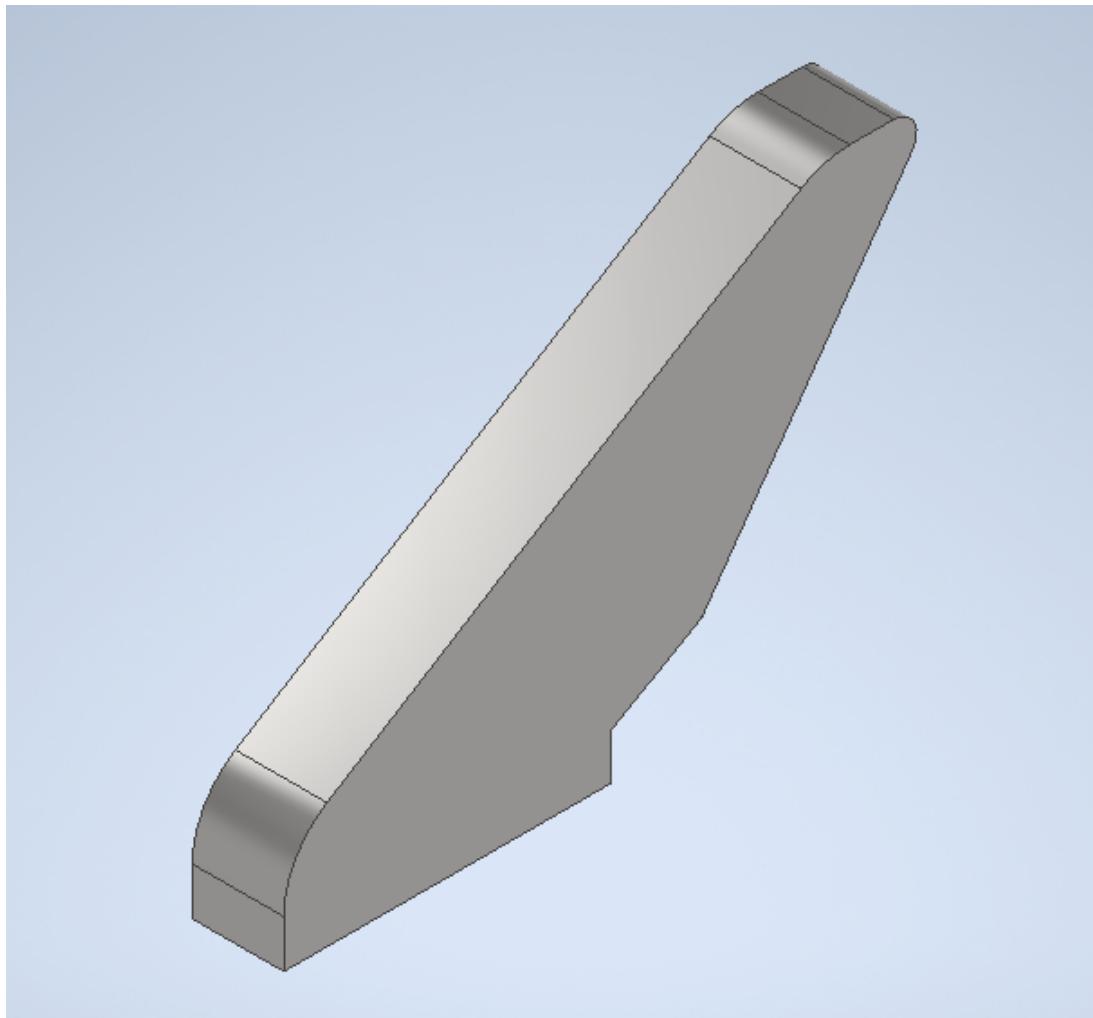




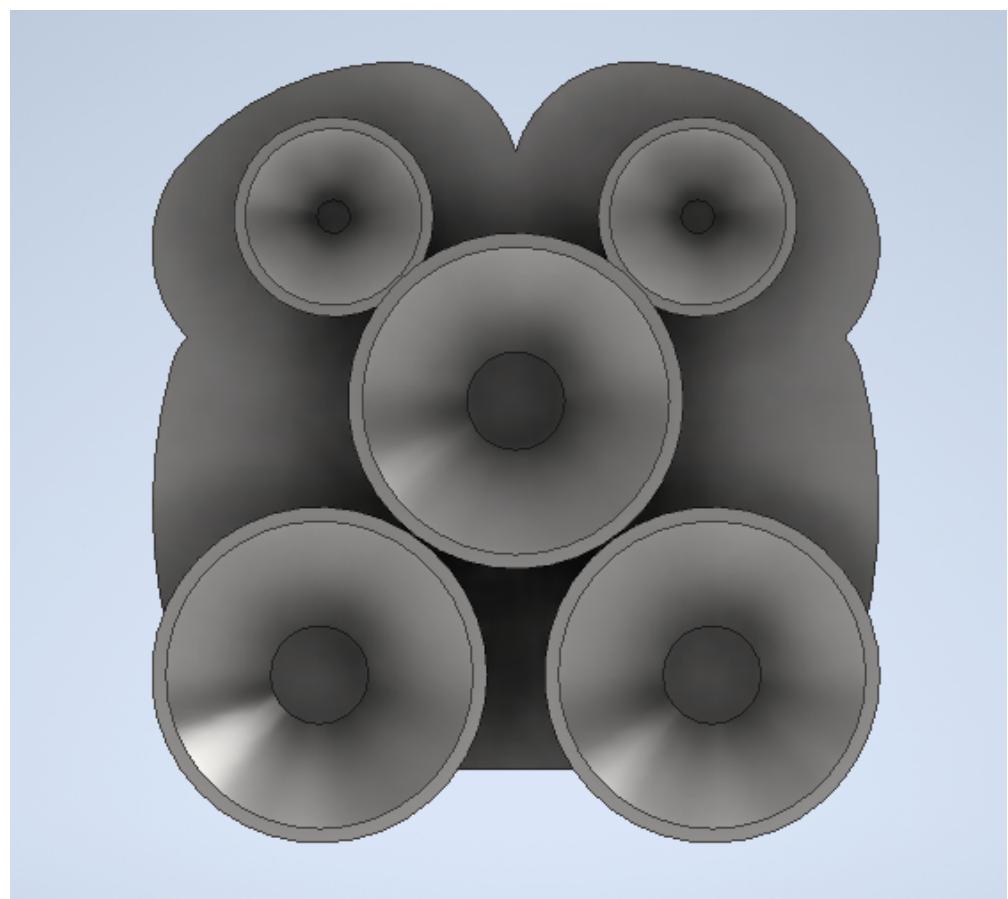
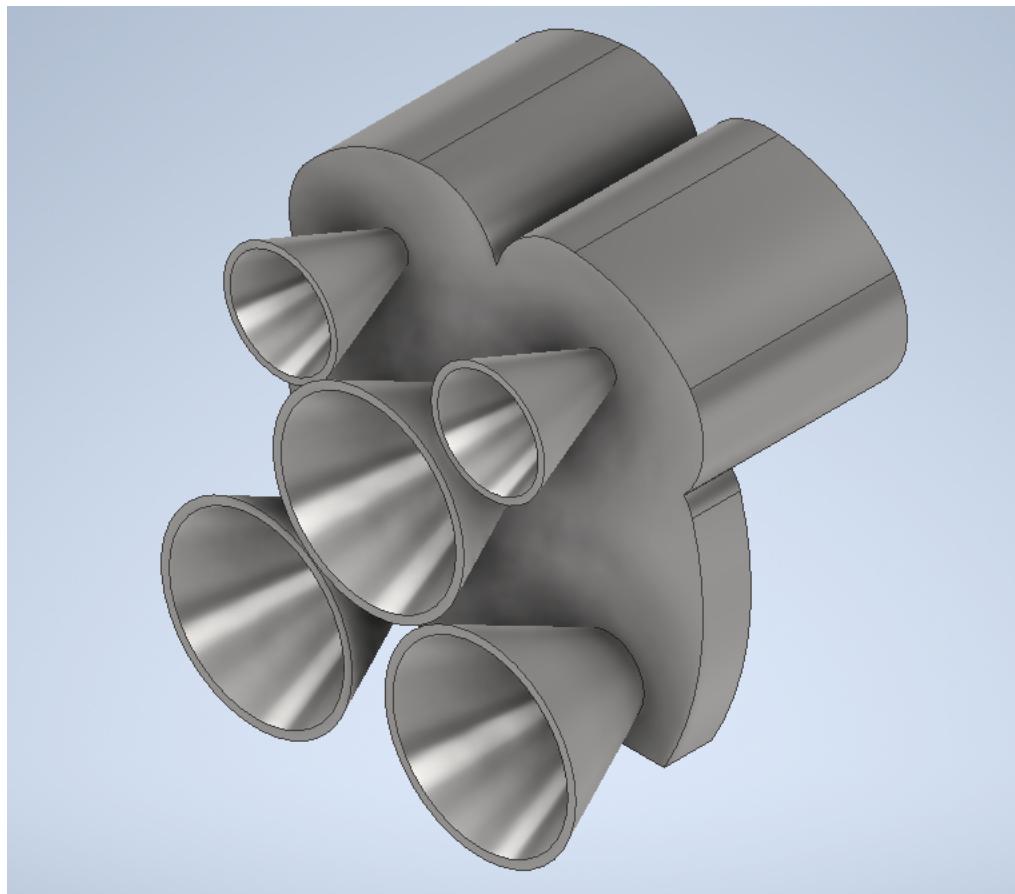
## 10. WINGS OF ORBITER

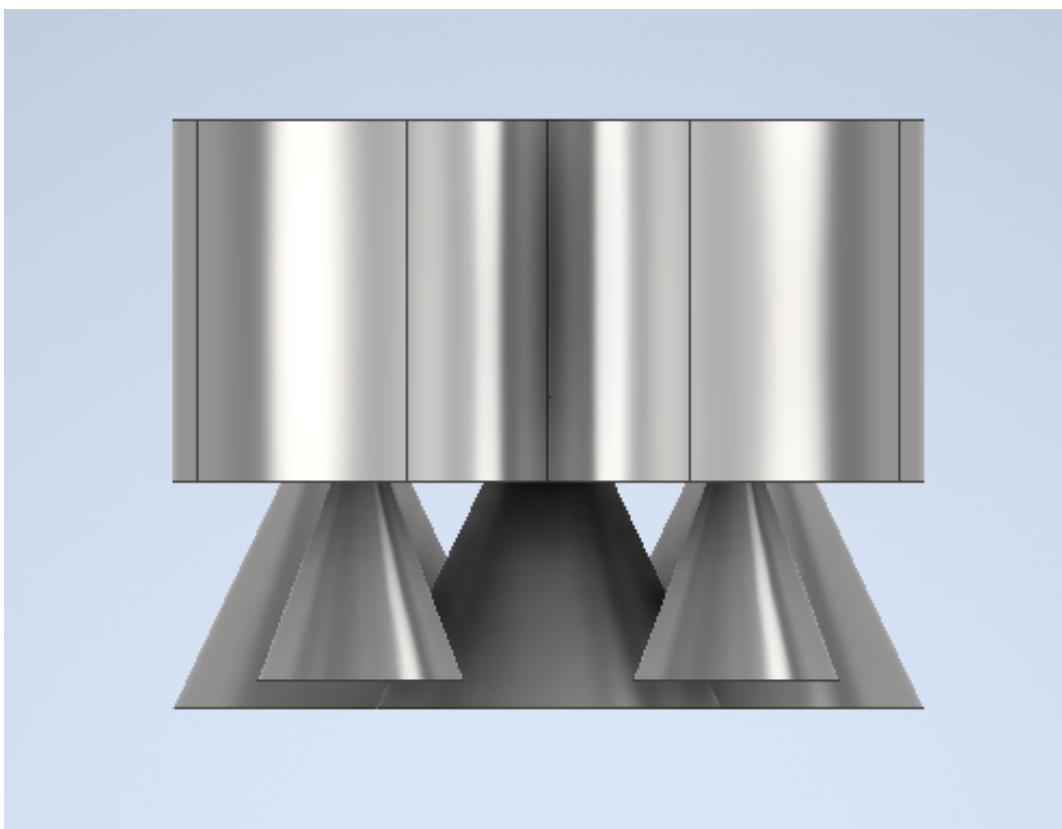
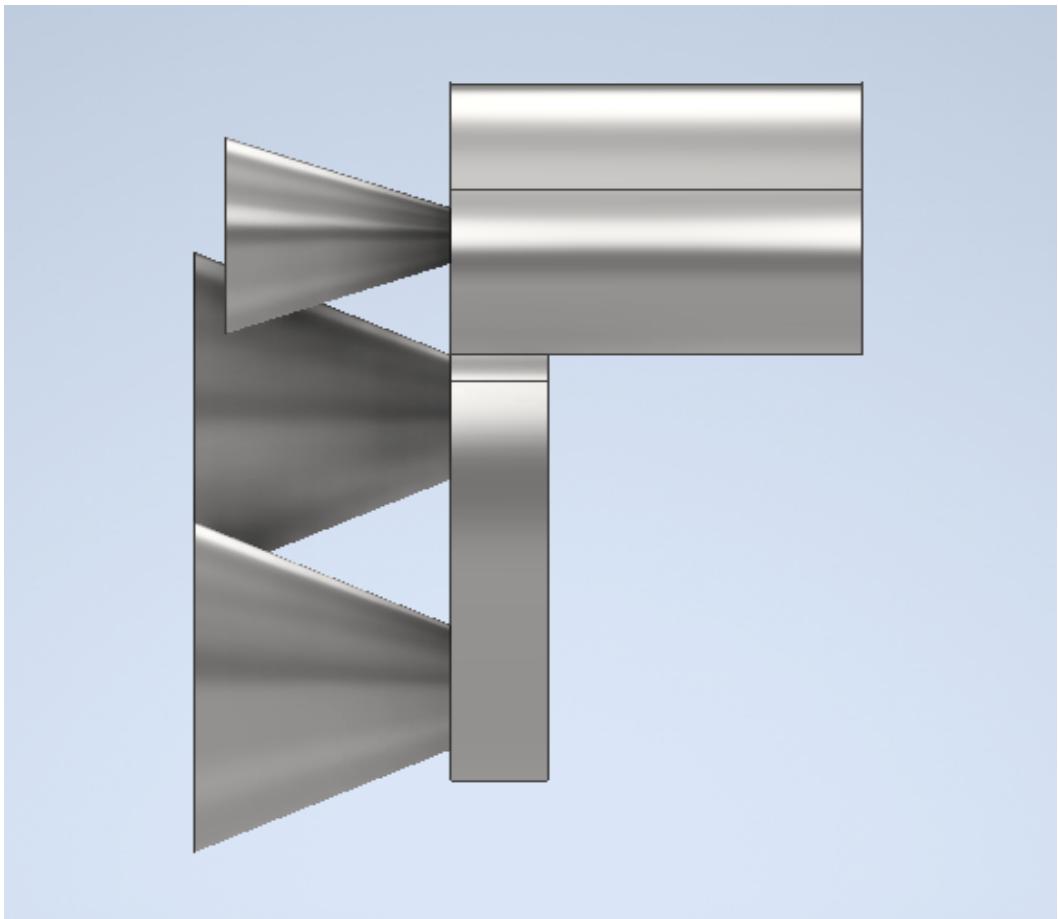


## 11. VERTICAL TAIL

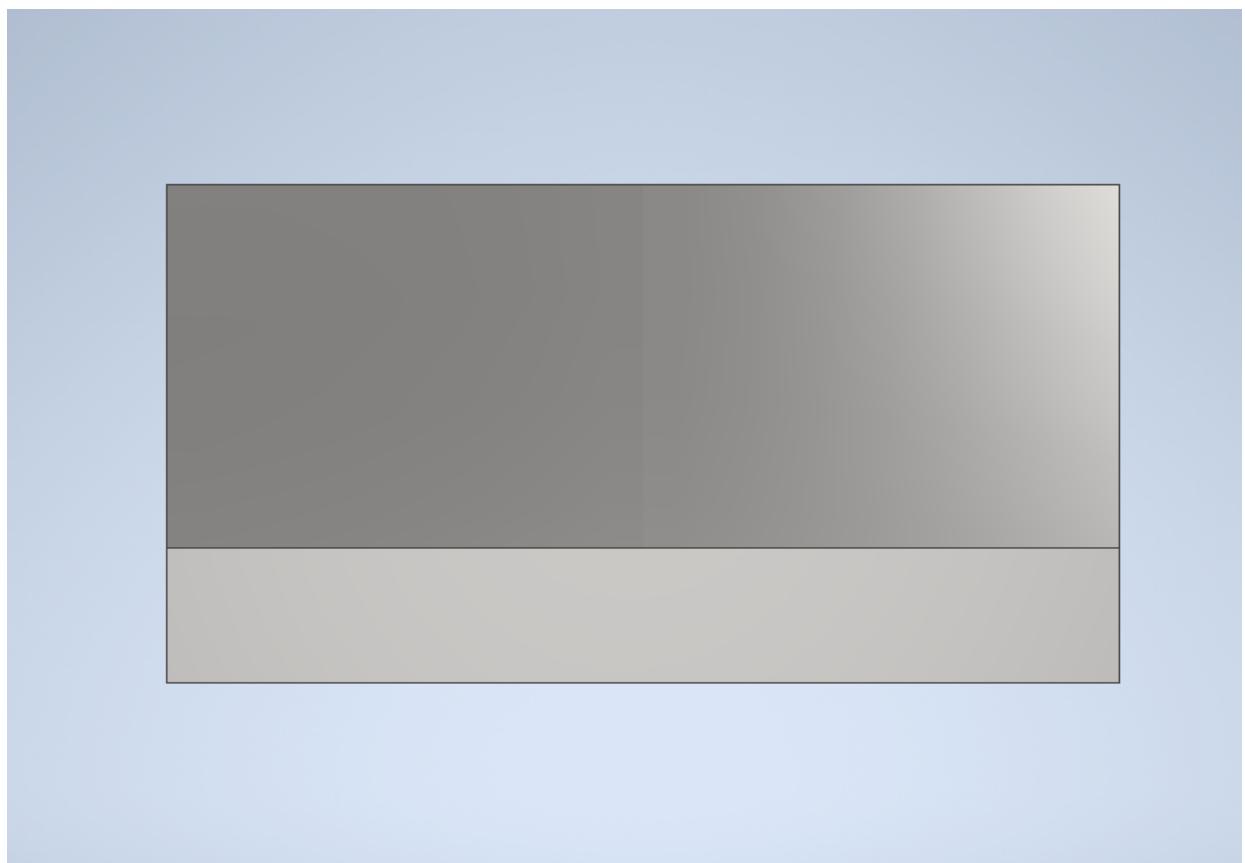
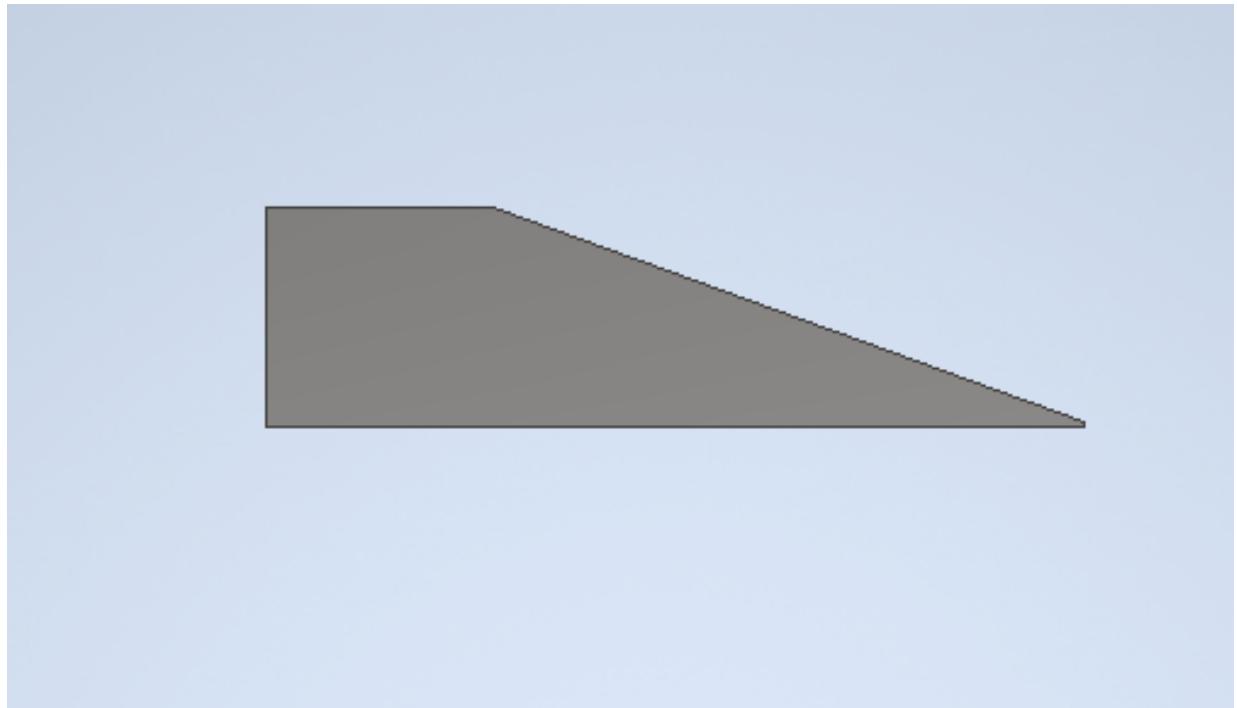


## 12. MAIN AND MANEUVERING ENGINES

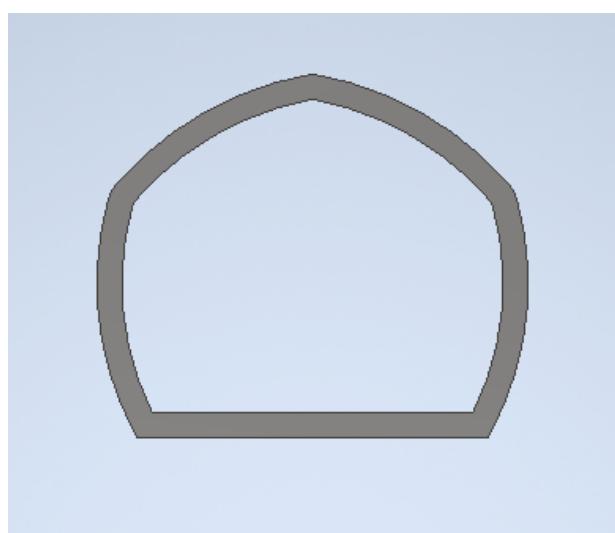
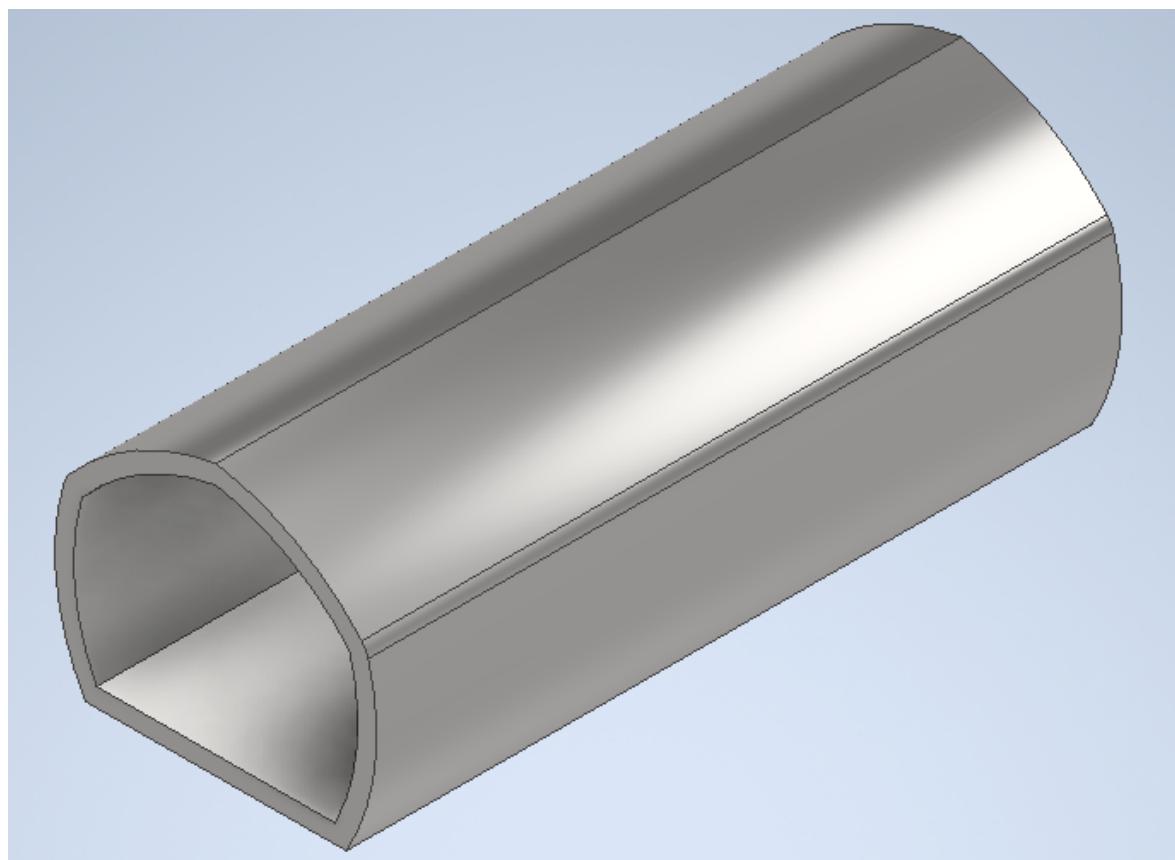




### **13. BODY FLAPS**



## **14. BODY (PAYLOAD BAY DOORS AND MID-FUSELAGE)**



## 15. LANDING GEAR

