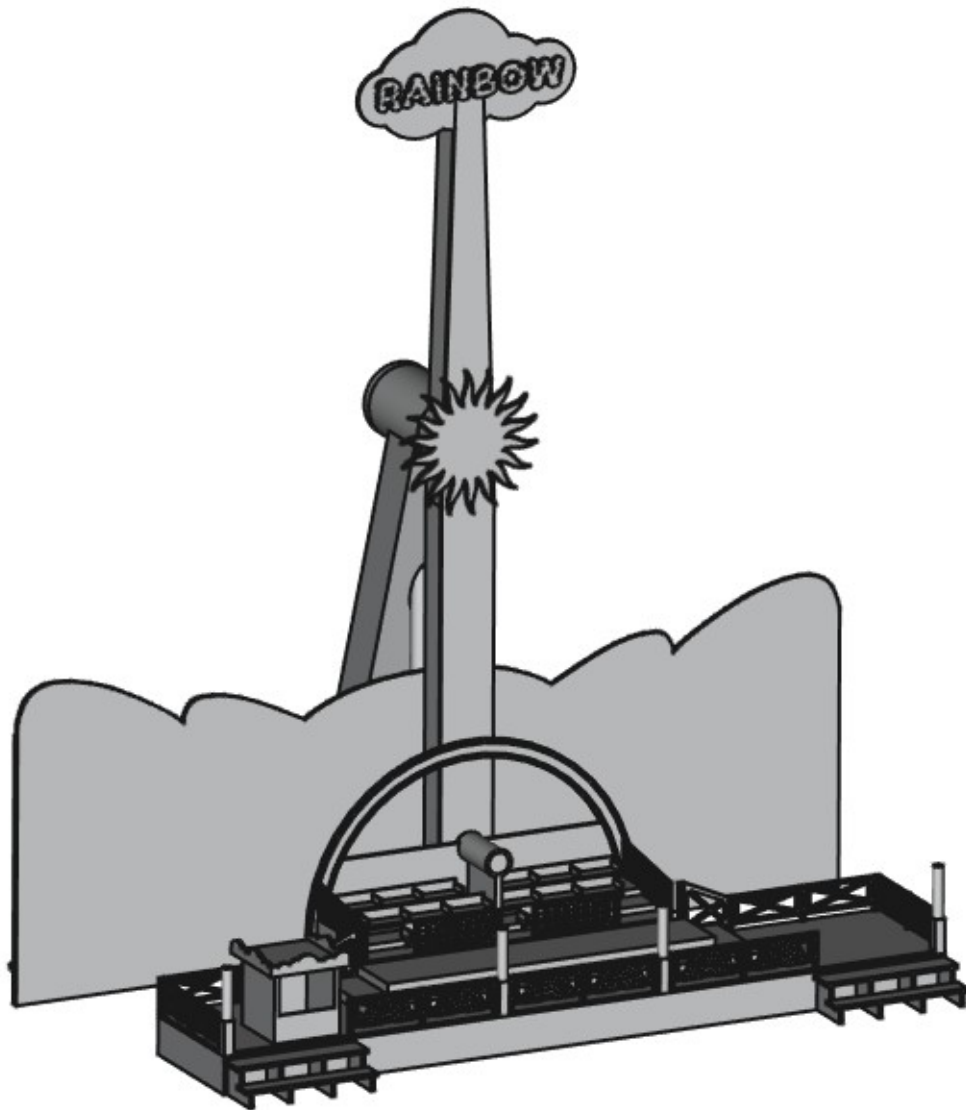


Assembly Instructions

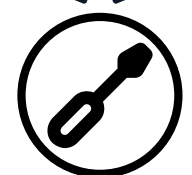
Rainbow



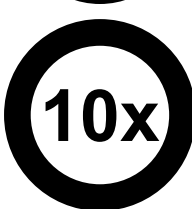
Explanation of symbols



Optional: Decide between two or more options. You need only one.



Screwdriver: Fix this part with a screw.



Repeat this step the number of times in the circle.



Don't glue these parts.



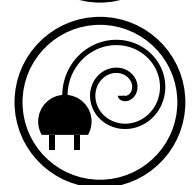
Number of current step



Optional: You can decide whether ou want this part or not. It's not necessary.



Apply some precision engineering oil for better movement. Mind to use plastic-friendly oil.



Install cables in this step.

Partlist

Printed part	Number of prints	Material
A1.stl	1	PLA
A2.stl	1	
AS.stl	1	
F.stl	4	
G.stl	1	
G1.stl	2	
G2.stl	3	
G3.stl	1	
G4.stl	1	
G5.stl	2	
G6.stl	2	
GA.stl	1	
GAA.stl	1	
KD.stl	1	
MD.stl	1	
MM.stl	1	
P.stl	1	
PU.stl	1	
R.stl	1	TPU
R1.stl	1	PLA
R2.stl	1	
RS1.stl	2	
RS2.stl	4	
RSB.stl	6	
S.stl	1	
T.stl	1	
TB.stl	2	

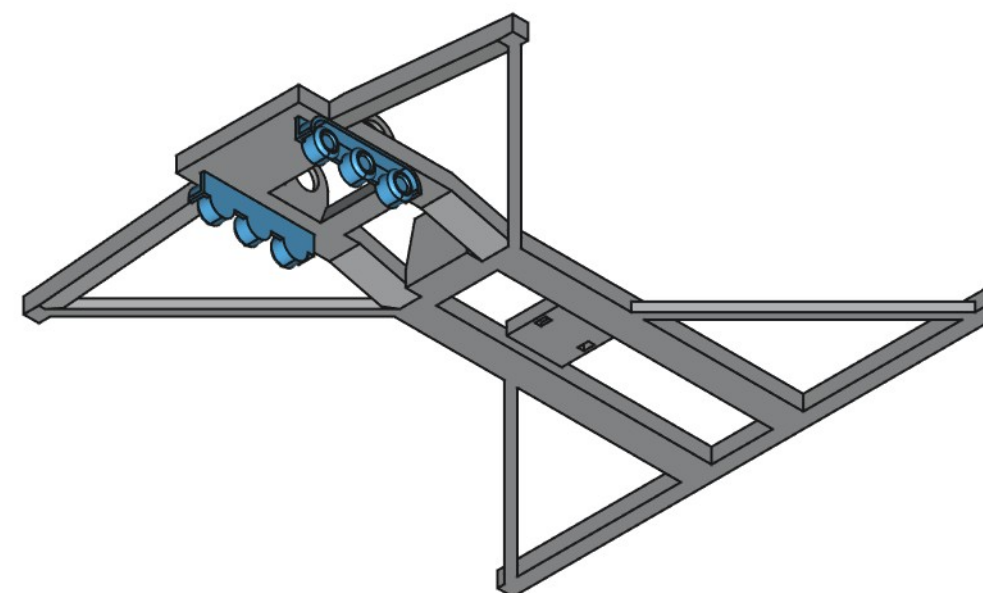
Printed part	Number of prints	Material
TR.stl	2	PLA
TS.stl	1	
UB.stl	1	
UBR.stl	2	
W.stl	1	

Other parts	Number of parts
DC motor N20 50RPM	1
Reed contact sensor with palstic housing	1
Magnet 6x2 mm	1

Assembly

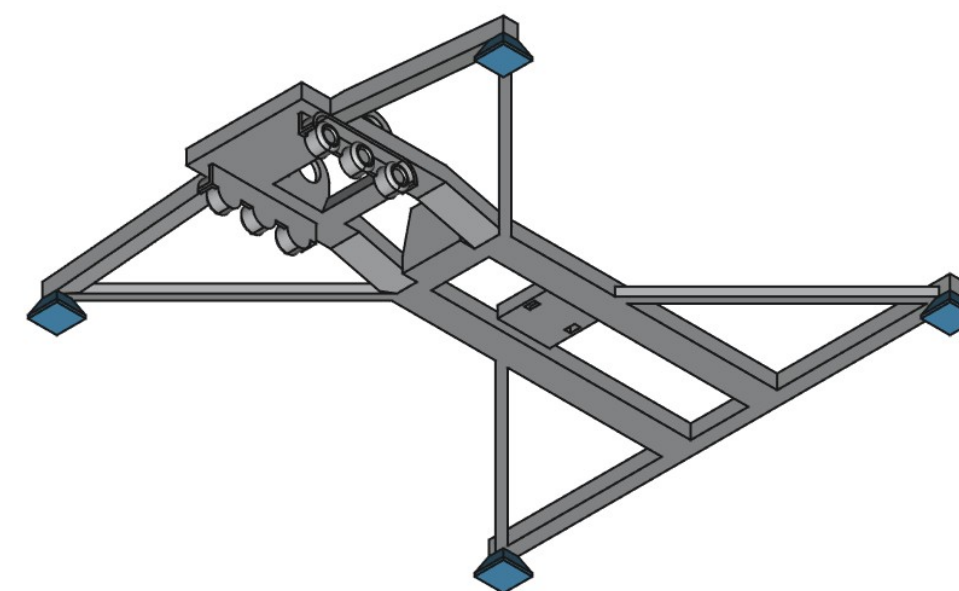
1

UB.stl
UBR.stl



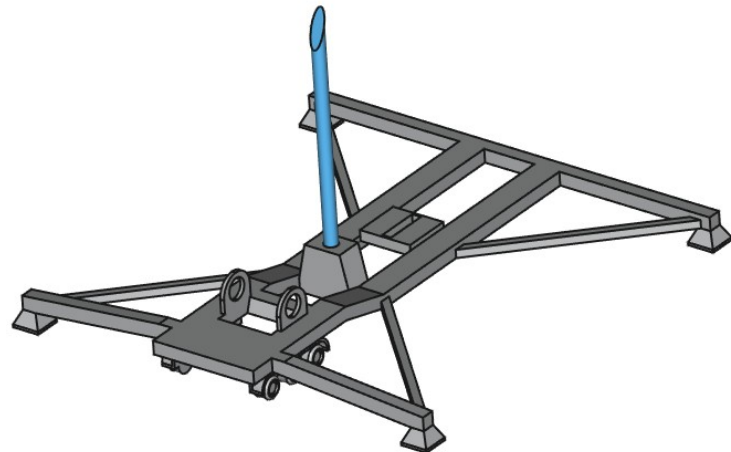
2

F.stl



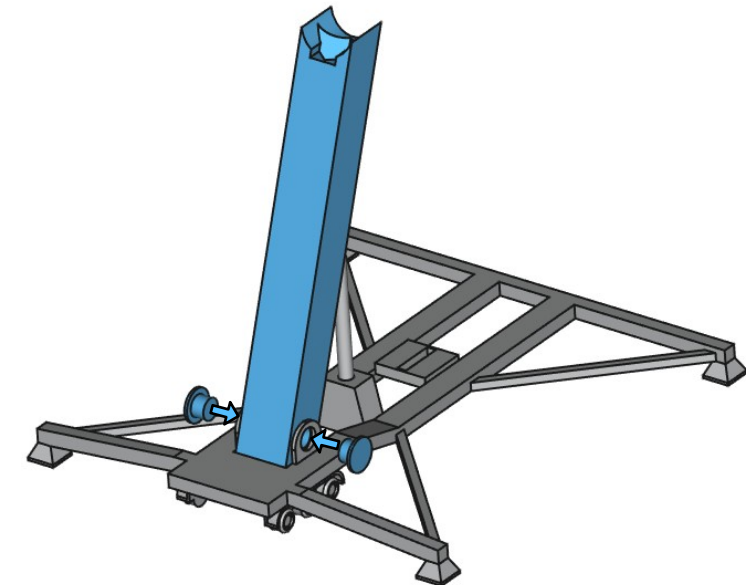
3

TS.stl

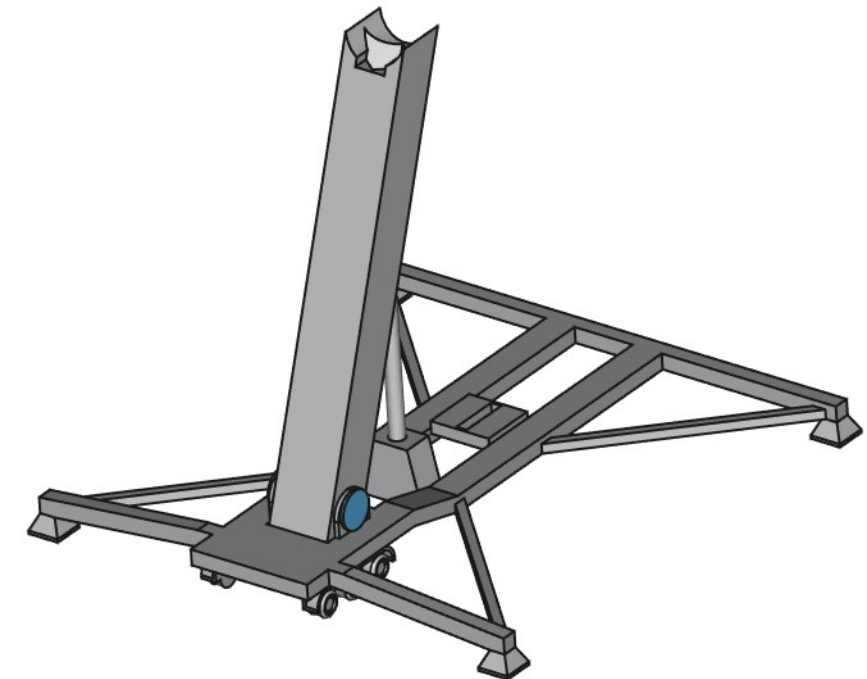


4

T.stl
TB.stl

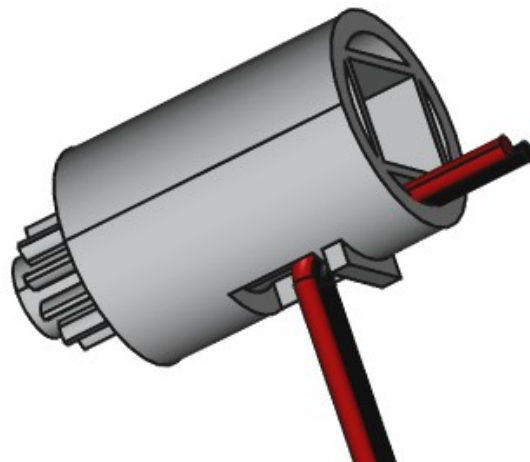


Hint
Route two thin cables, approximately 50 cm long, through the hollow section of part "T". Leave the cables sticking out at both ends.



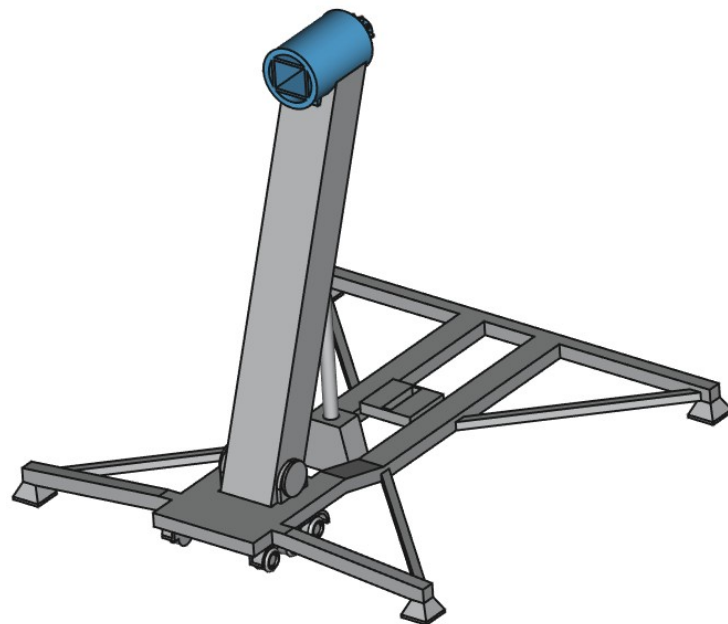
5

MM.stl



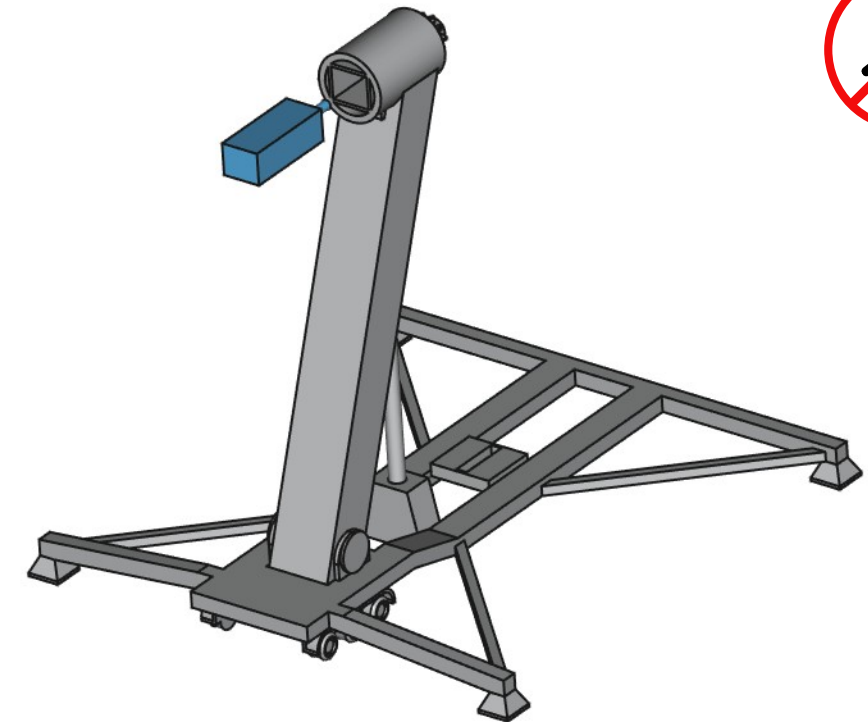
Hint

Before gluing part "MM" onto part "T", feed the cables coming out of the top of "T" through the bottom hole of "MM". Then pull the cables out through the opening at the back.



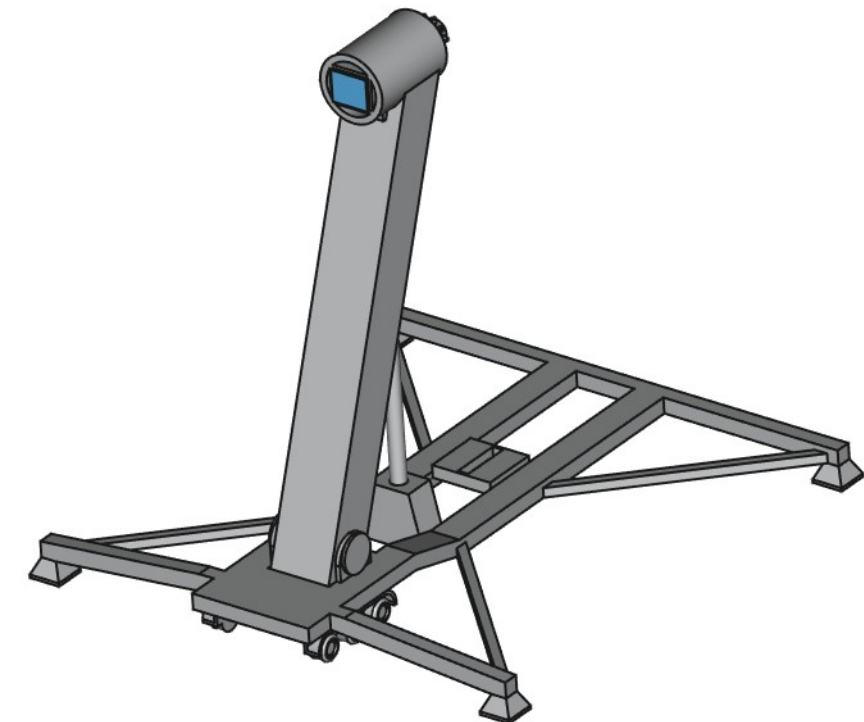
6

DC motor

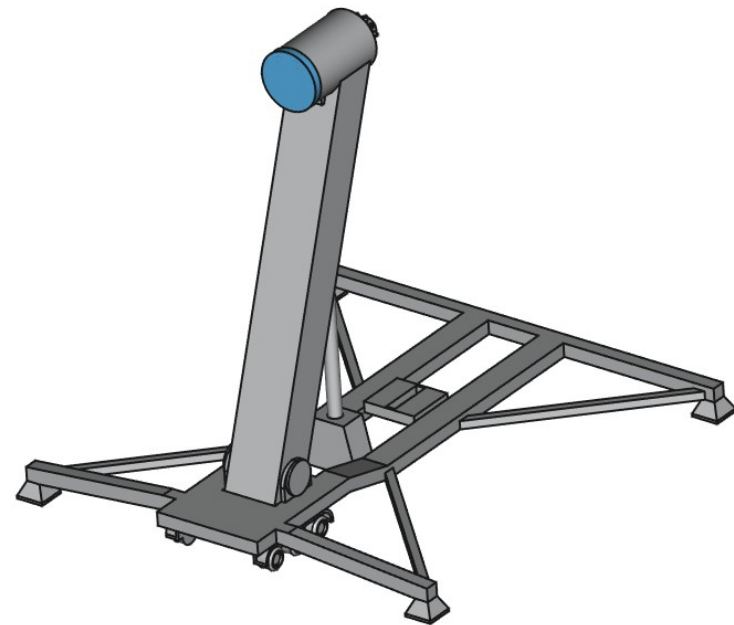


Hint

Solder the cables to the DC motor.

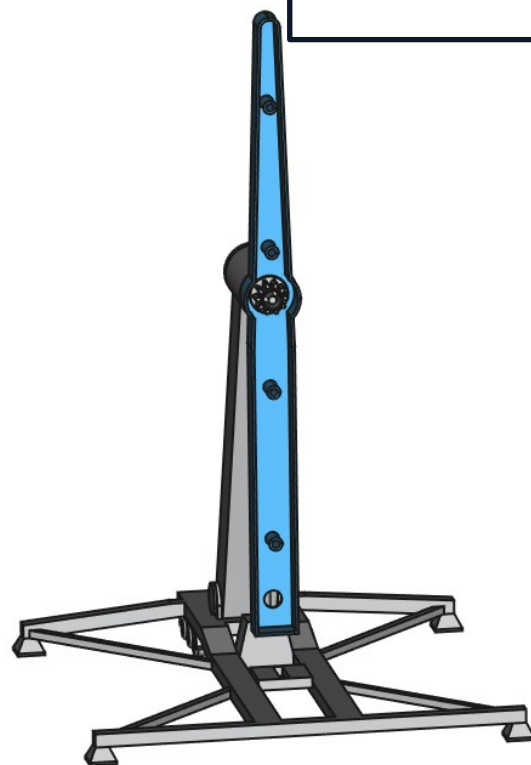


7



MD.stl

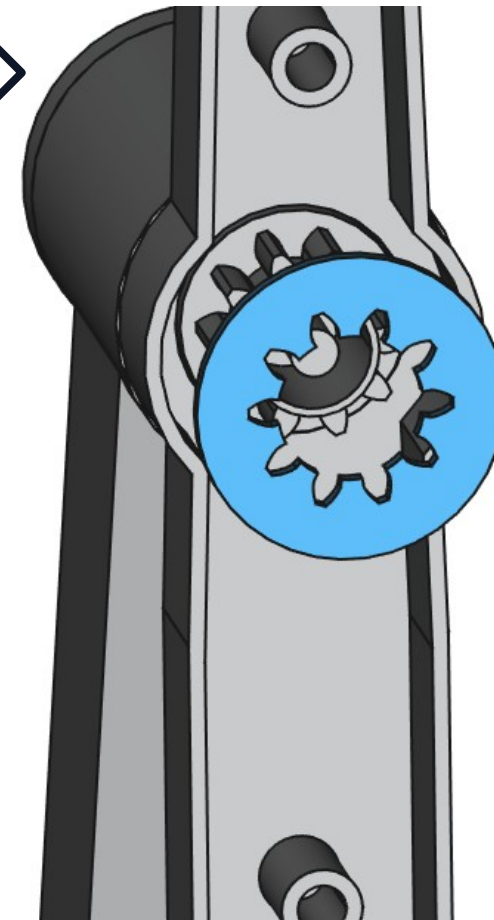
8



A1.stl



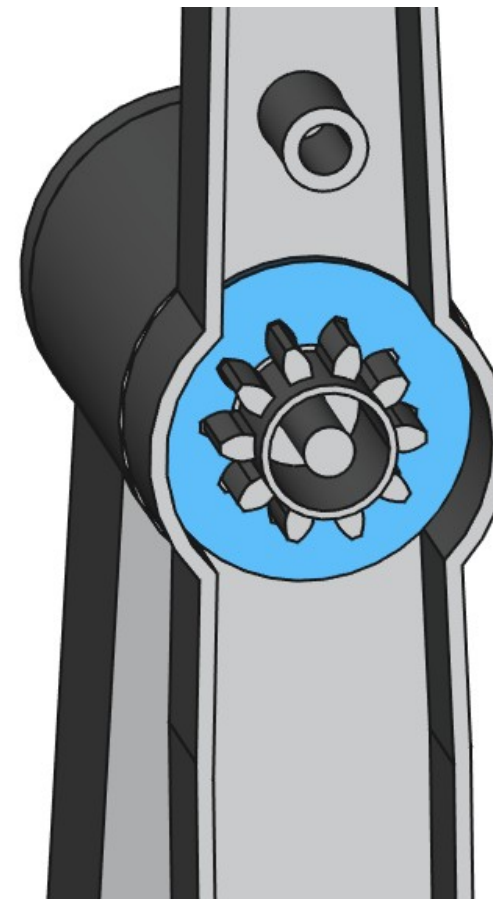
9



AS.stl



Hint
Press part "AS" onto
the gear of "MM" until
it sits fully flush
against the back.



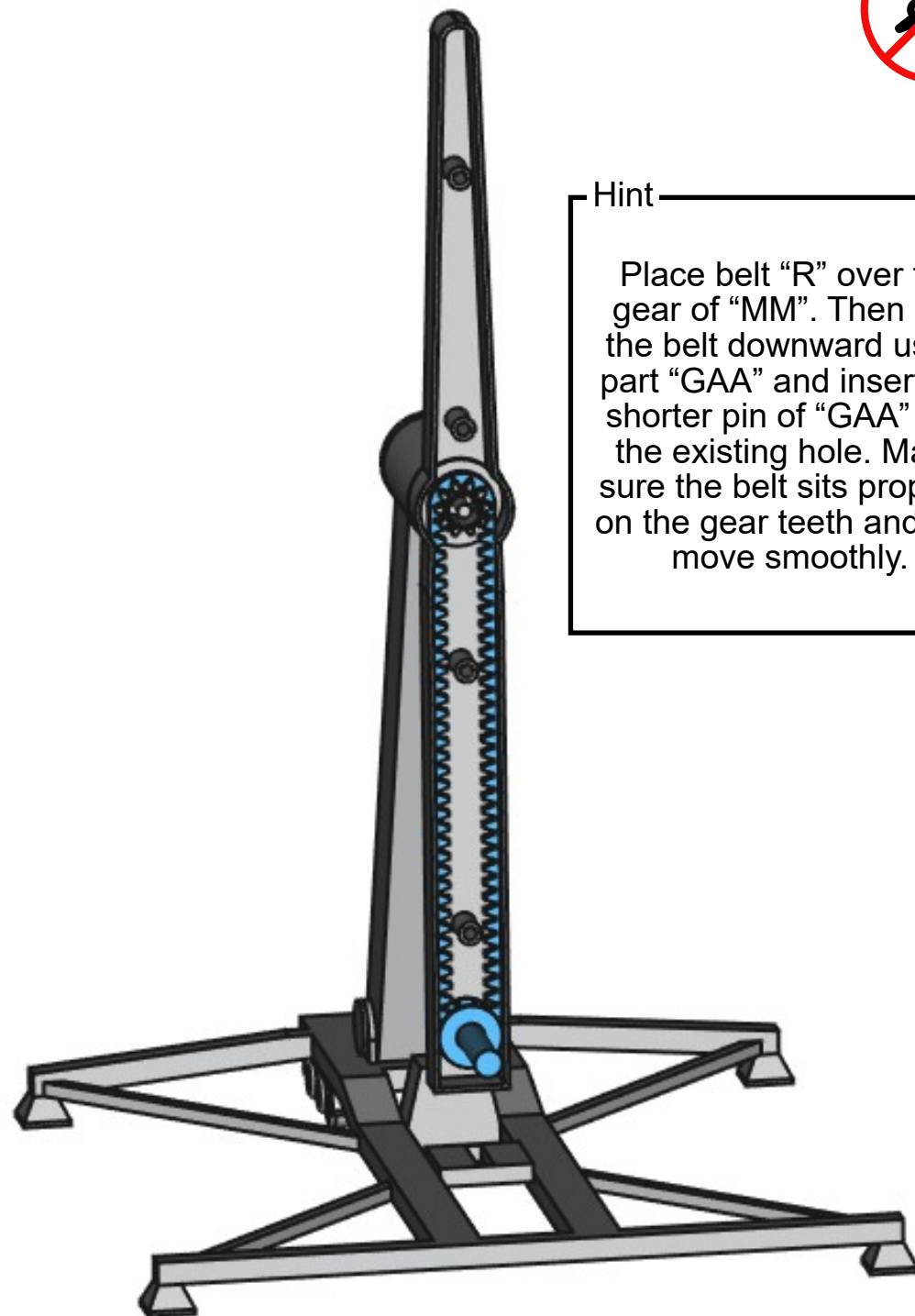
10

R.stl
GAA.stl



Hint

Place belt "R" over the gear of "MM". Then pull the belt downward using part "GAA" and insert the shorter pin of "GAA" into the existing hole. Make sure the belt sits properly on the gear teeth and can move smoothly.



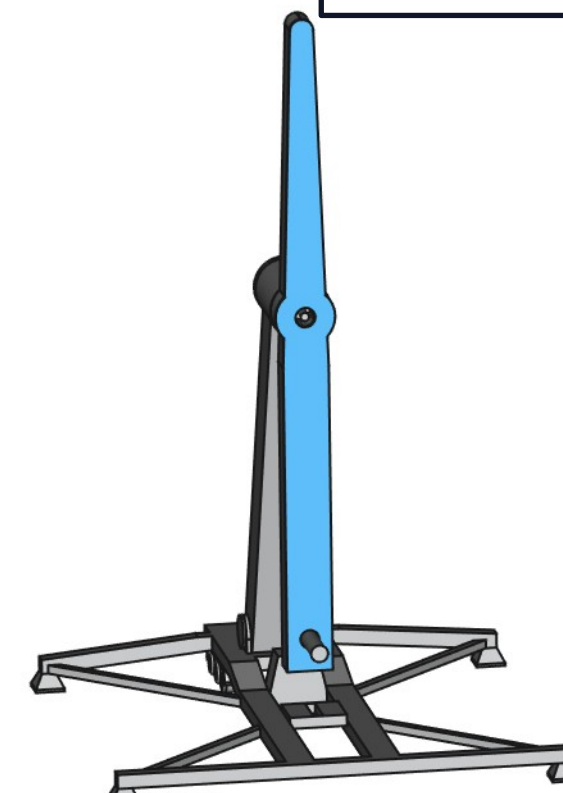
11

Reed sensor



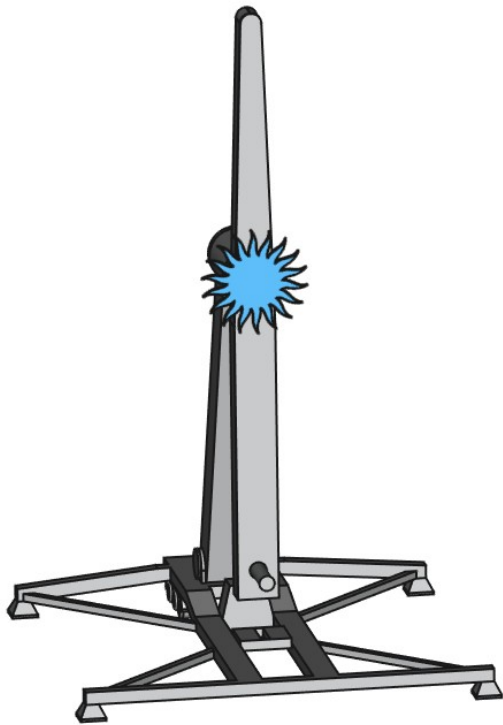
12

A2.stl



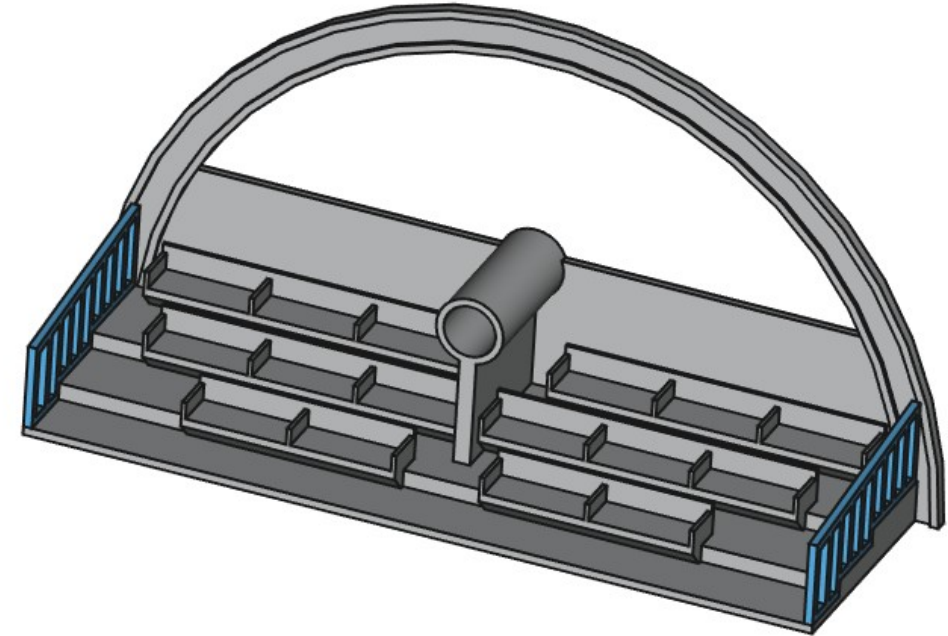
13

S.stl



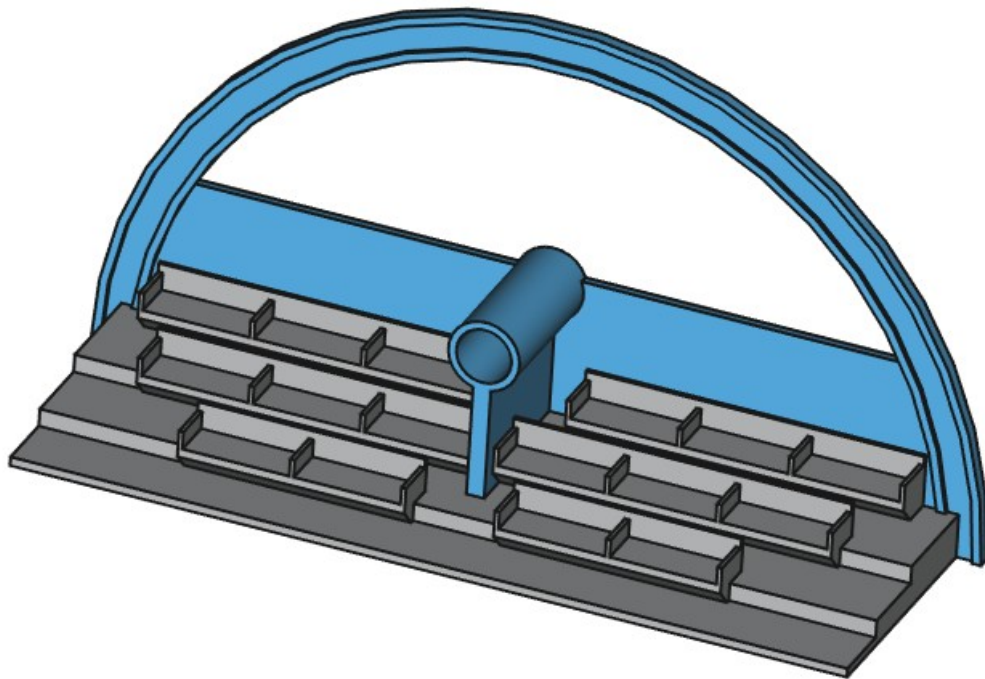
15

G5.stl



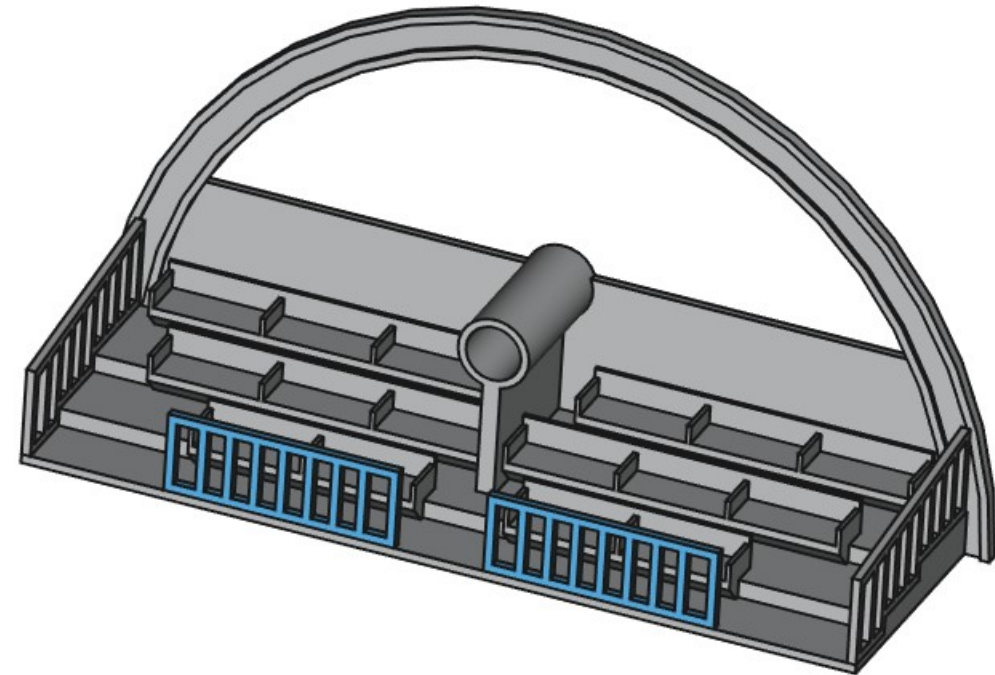
14

G.stl
GA.stl



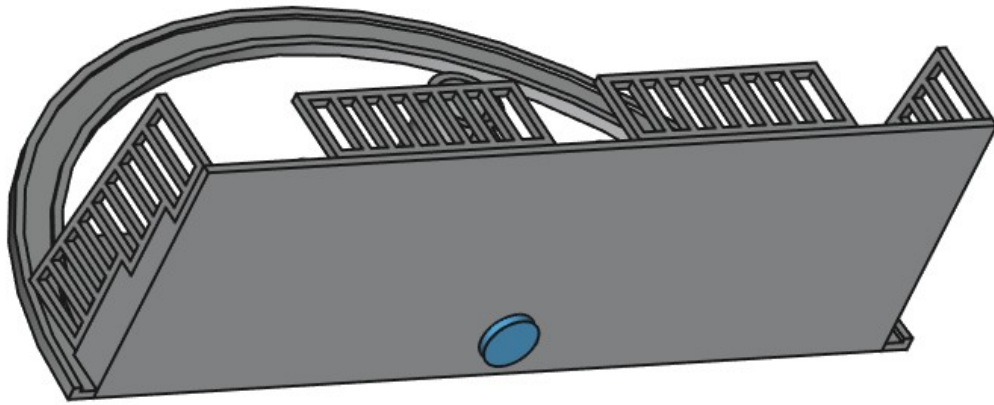
16

G6.stl

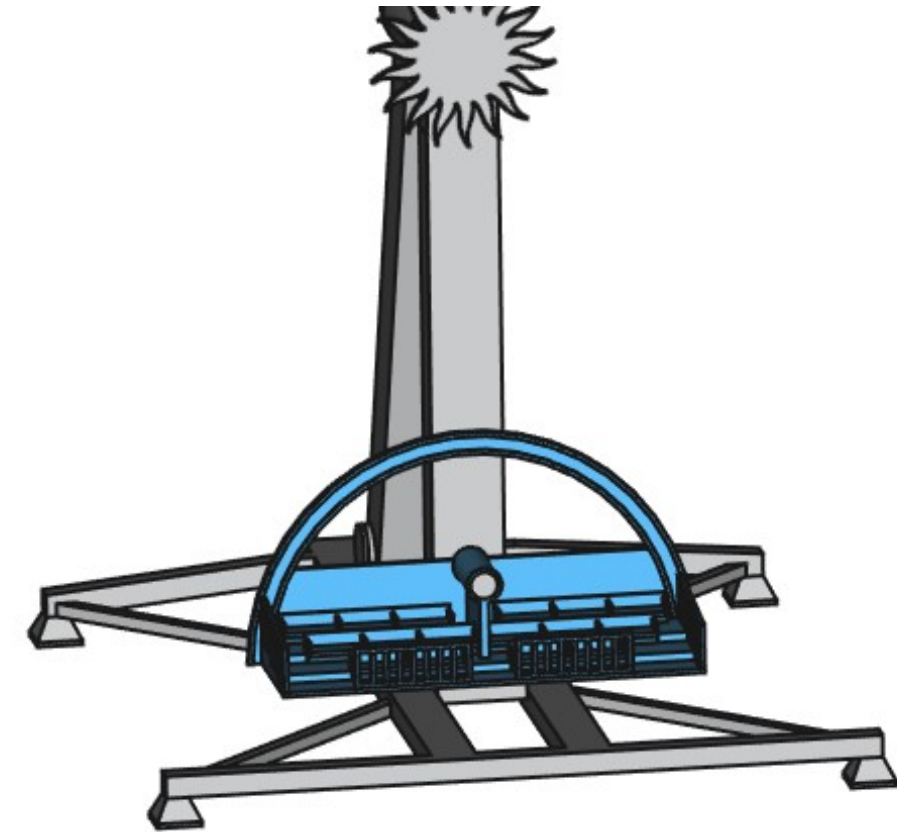


17

magnet

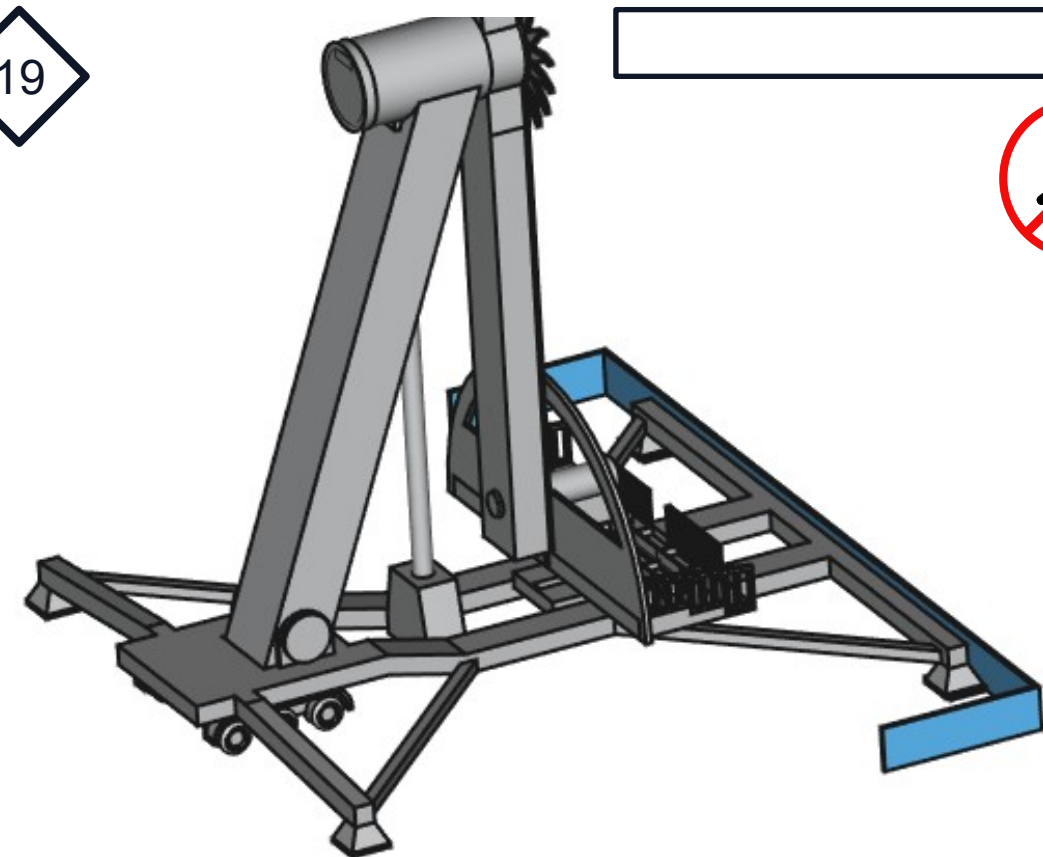


18



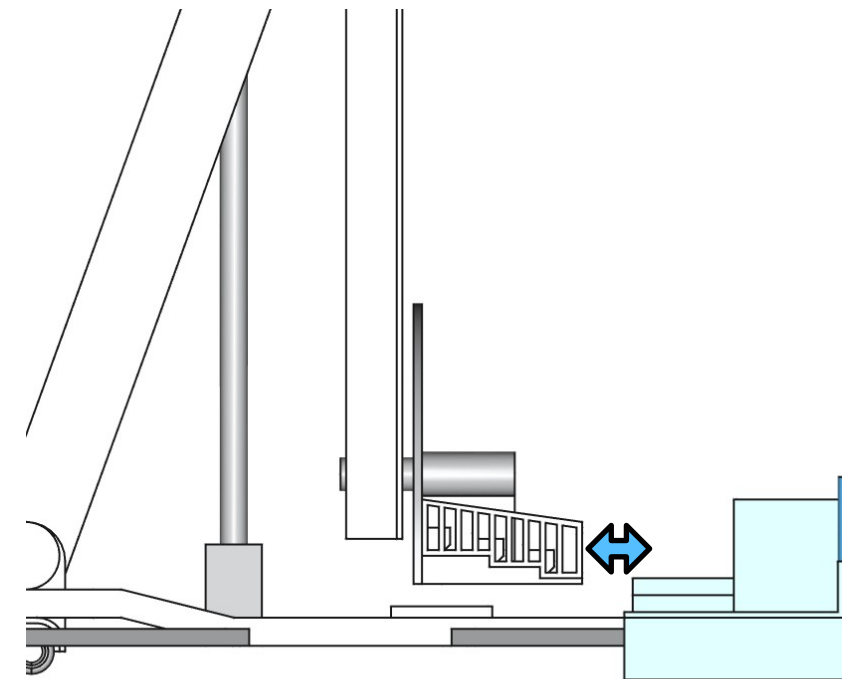
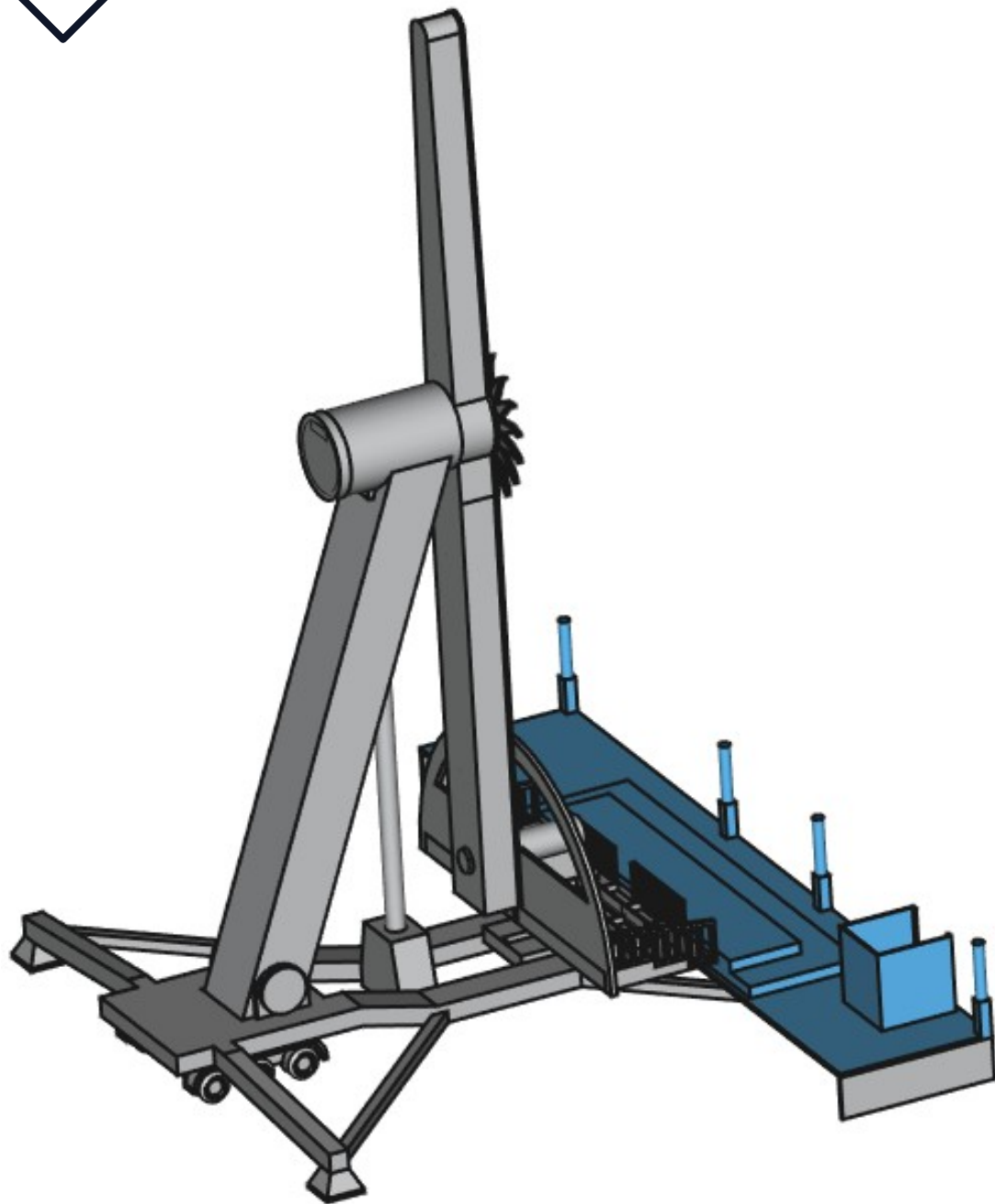
19

PU.stl



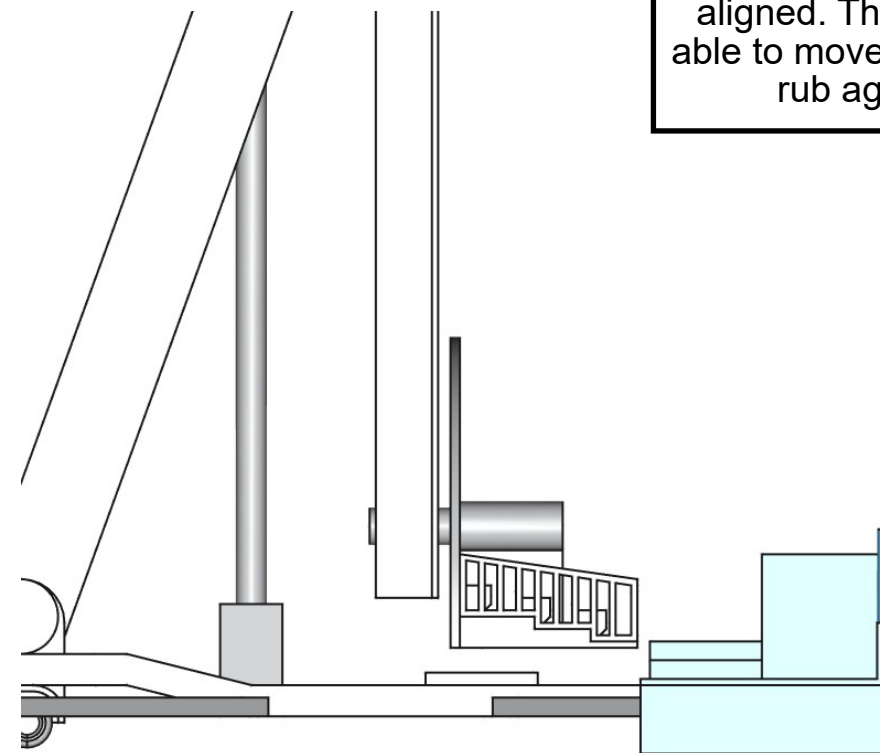
20

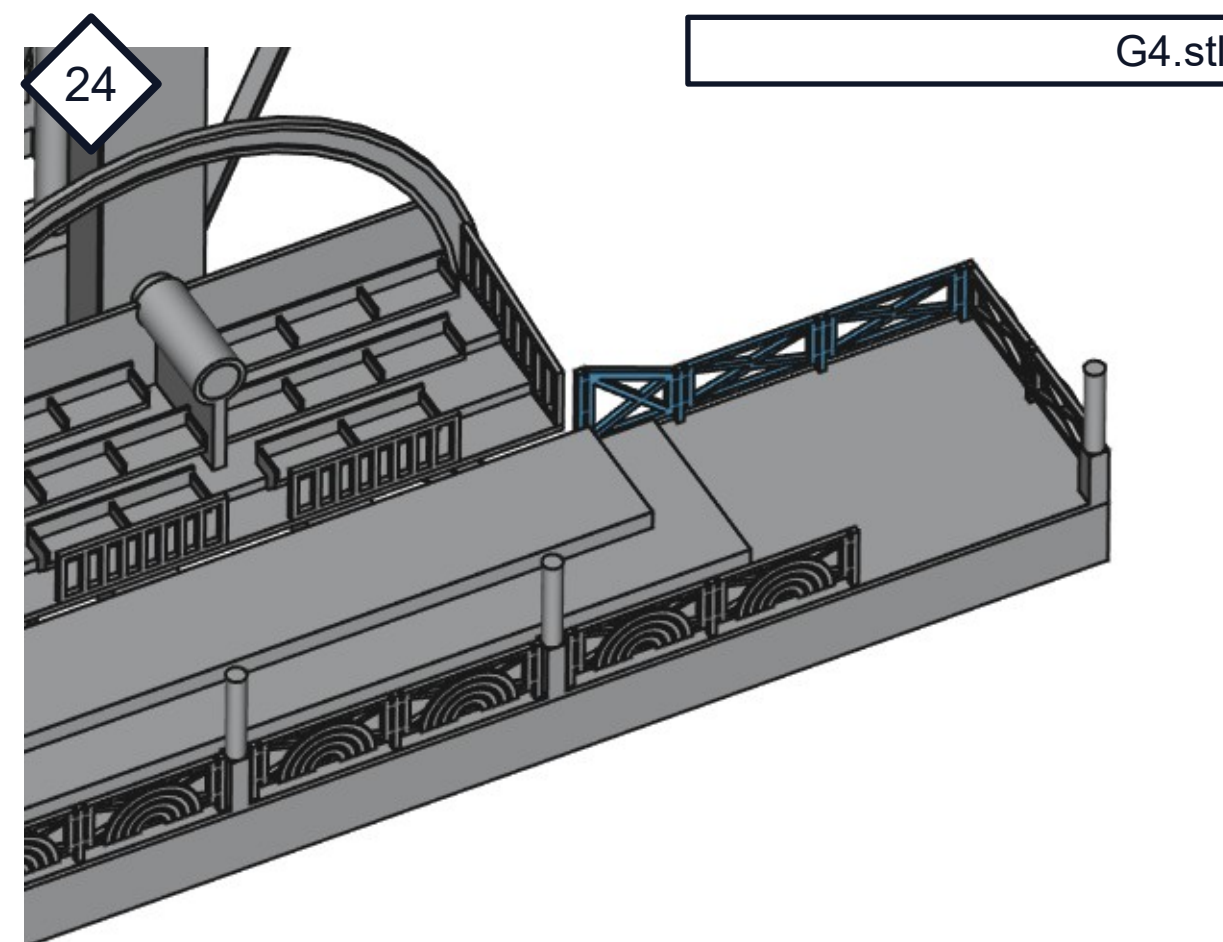
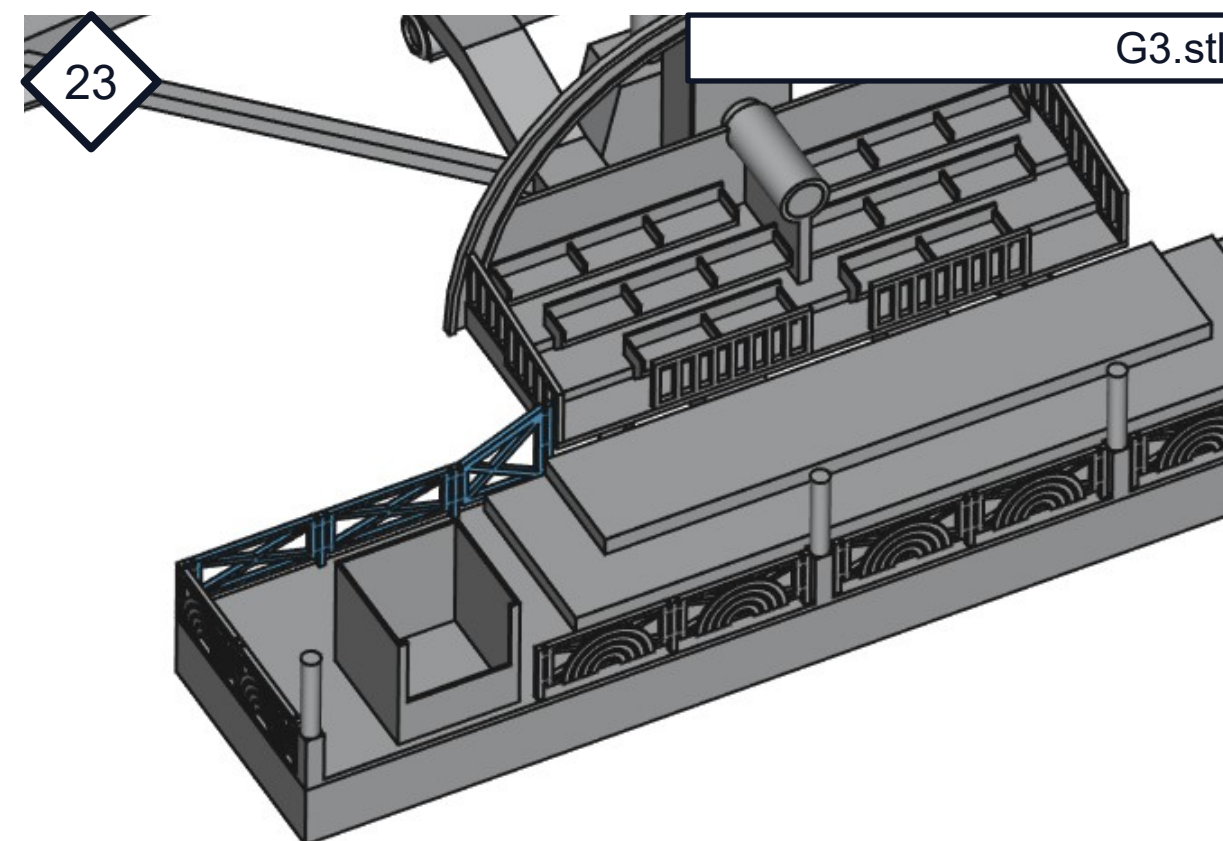
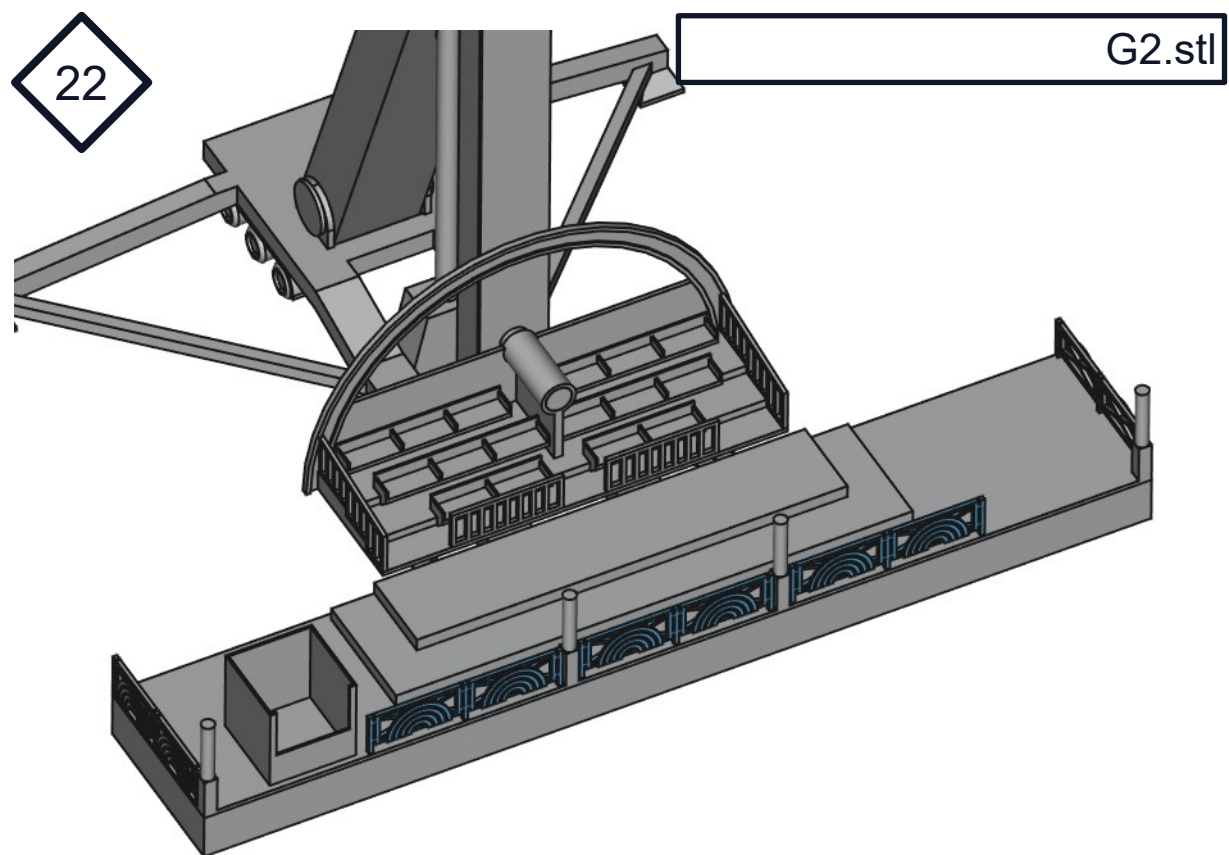
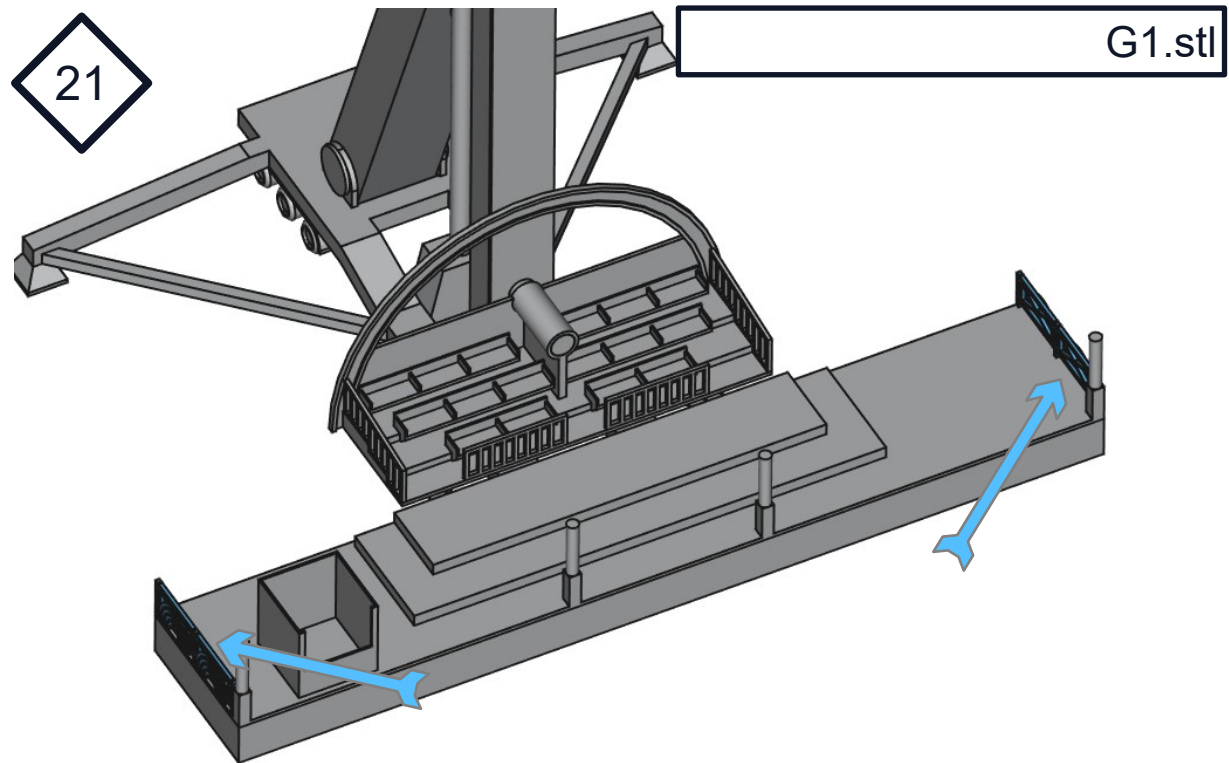
P.stl

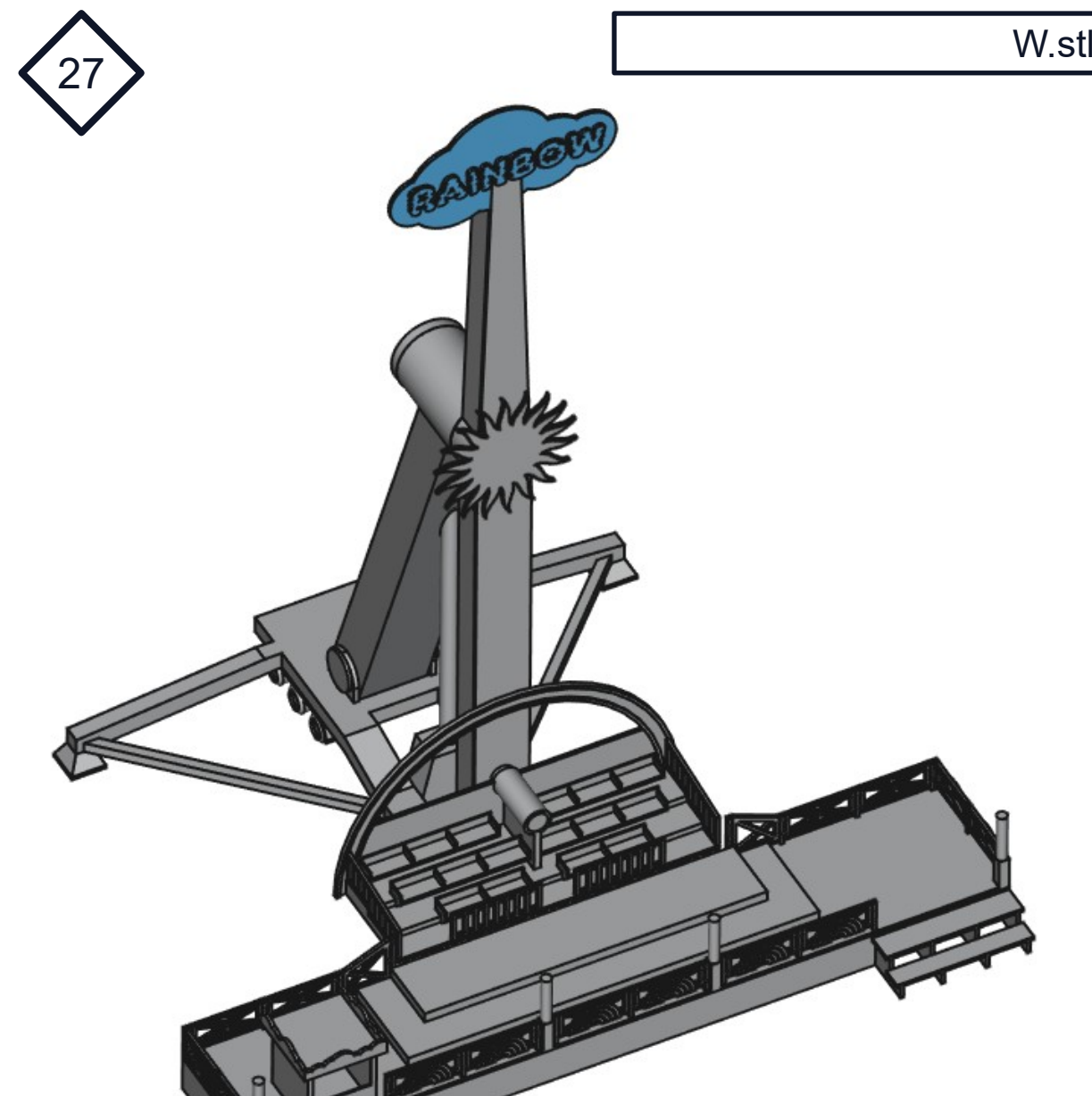
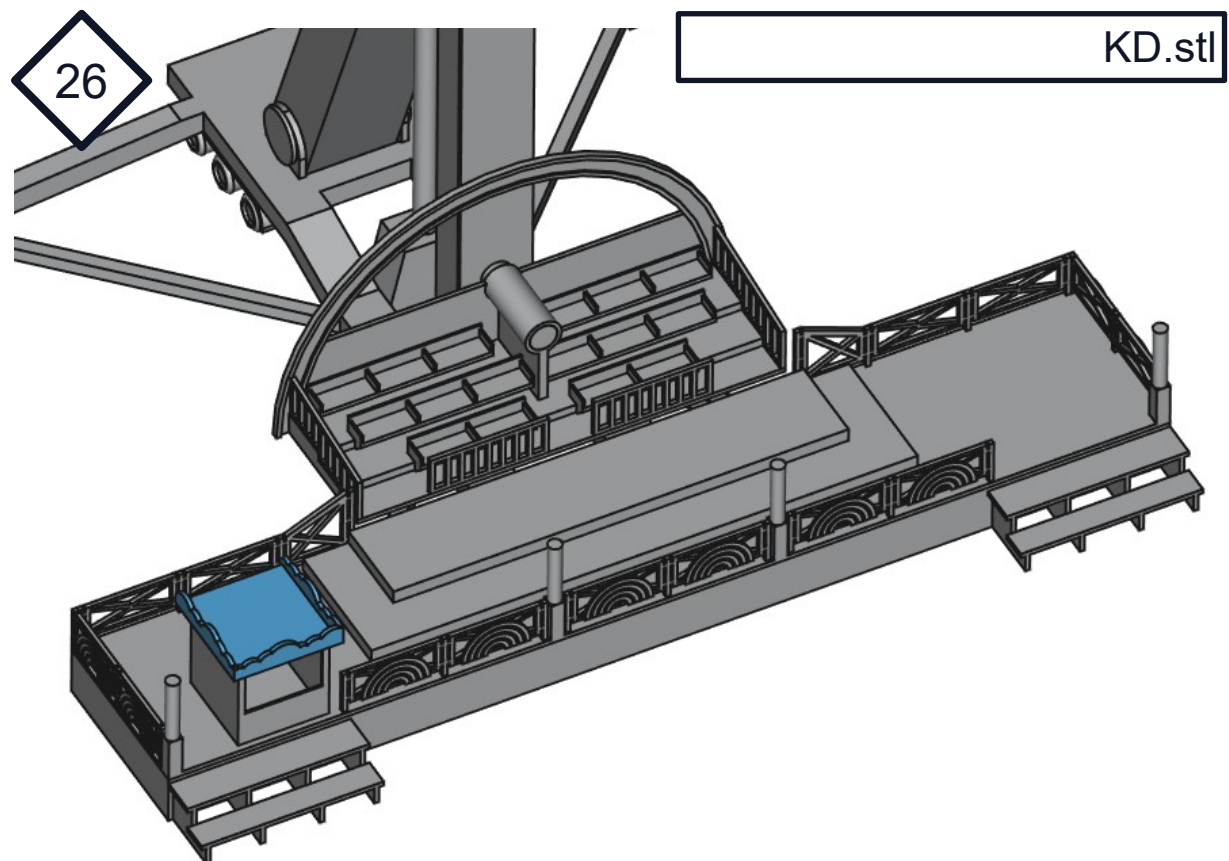
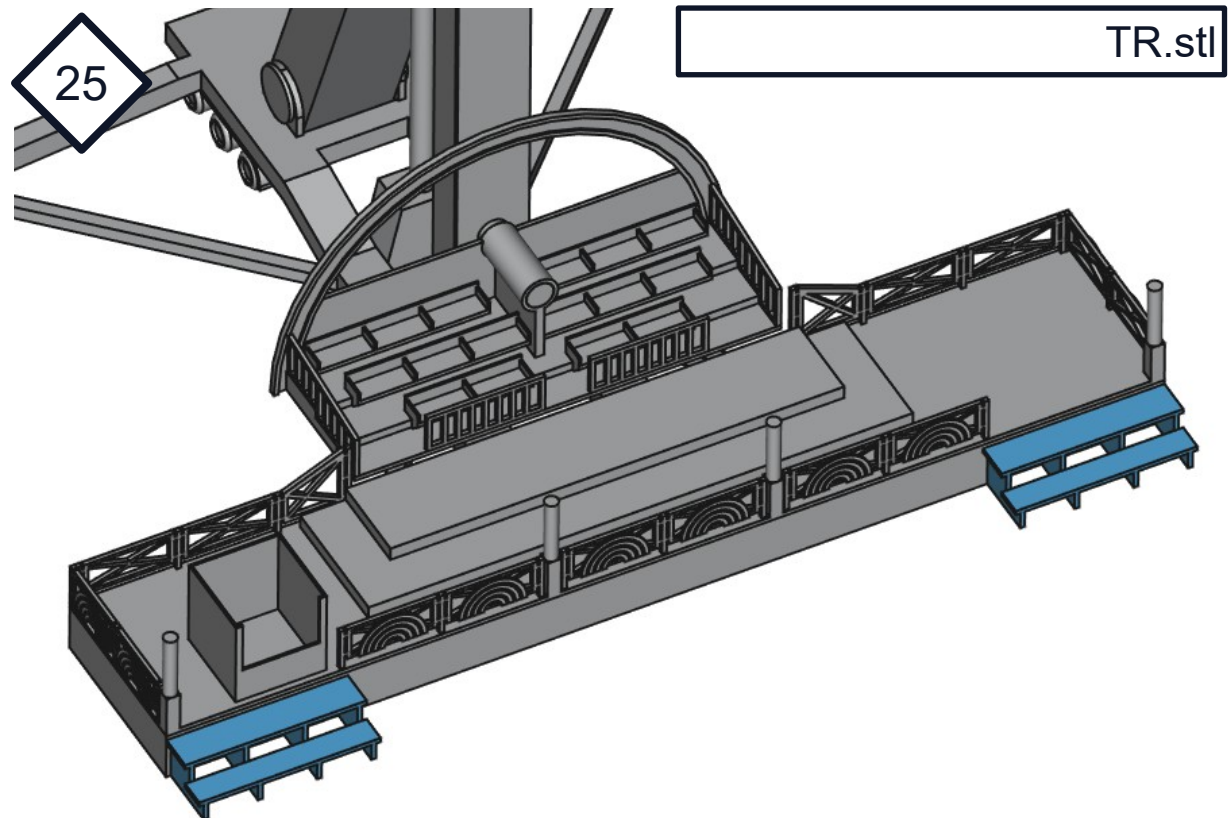


Hint

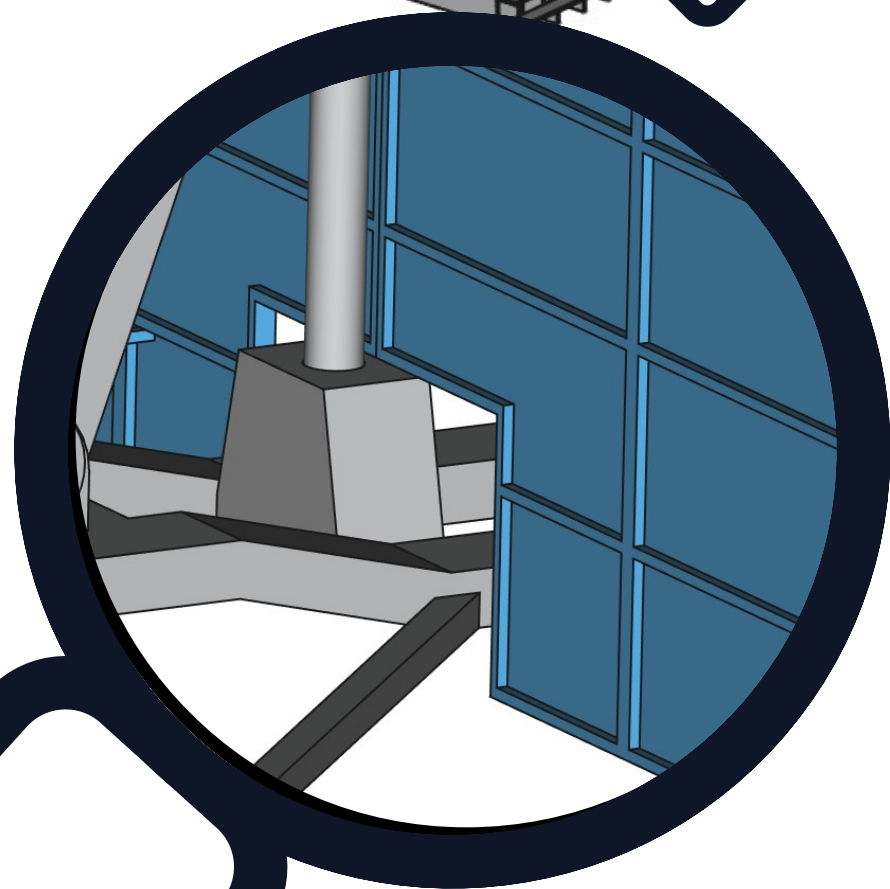
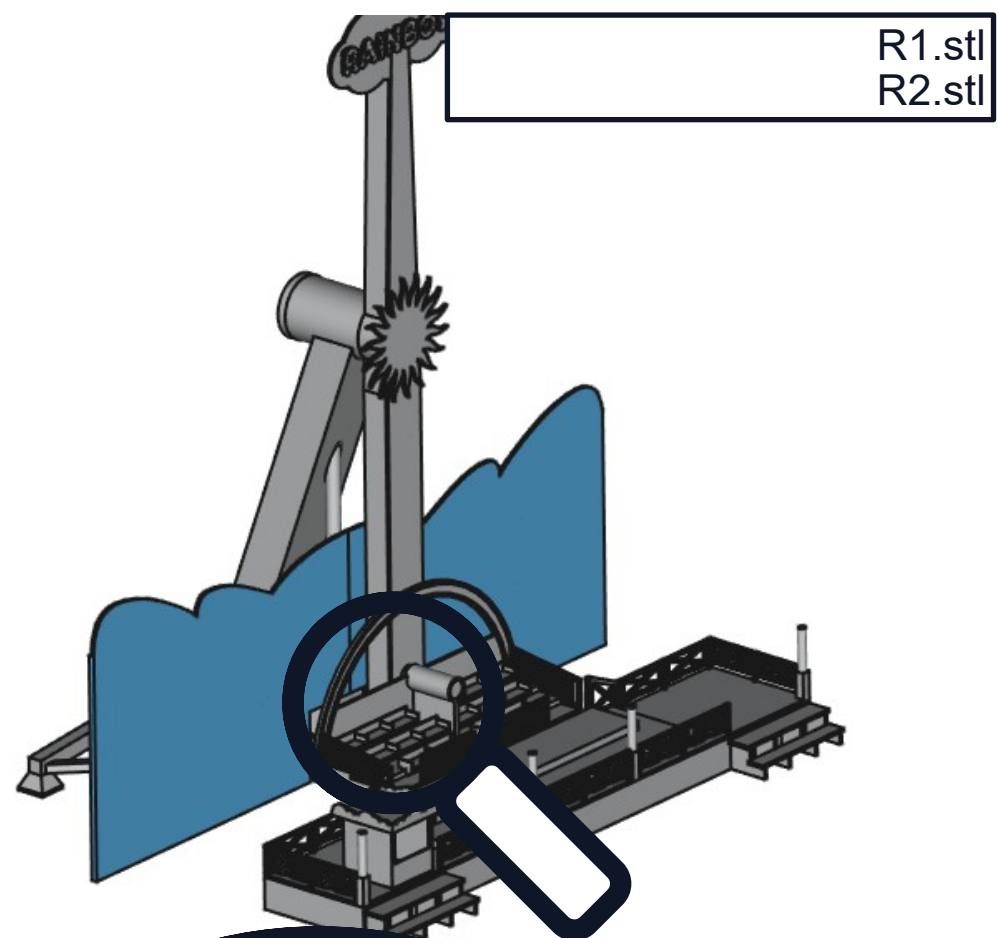
Glue part "P" onto the top edge of "PU". Only glue the complete assembly to the rest of the model once it is correctly aligned. The gondola must be able to move freely and must not rub against part "P".







28

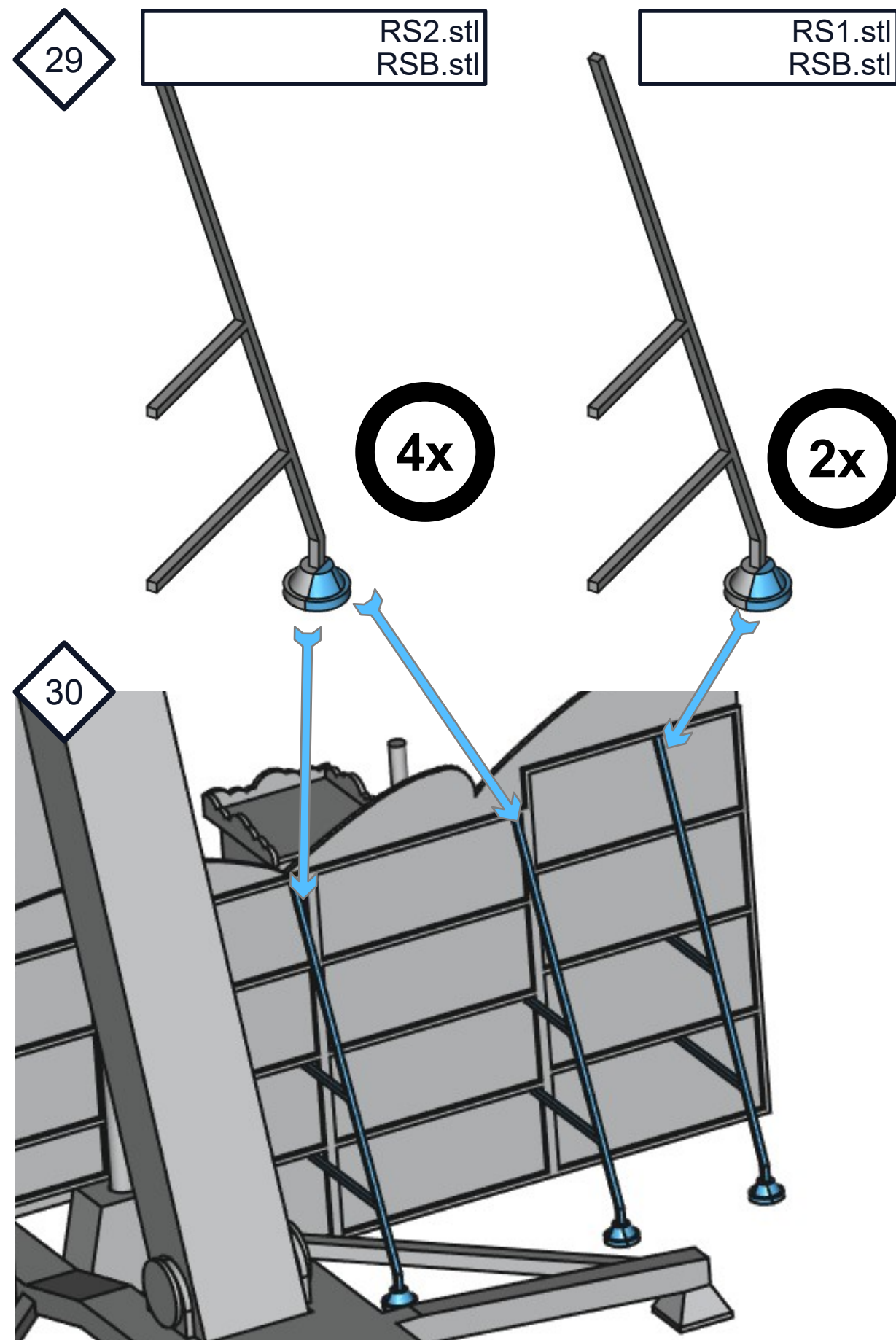


29

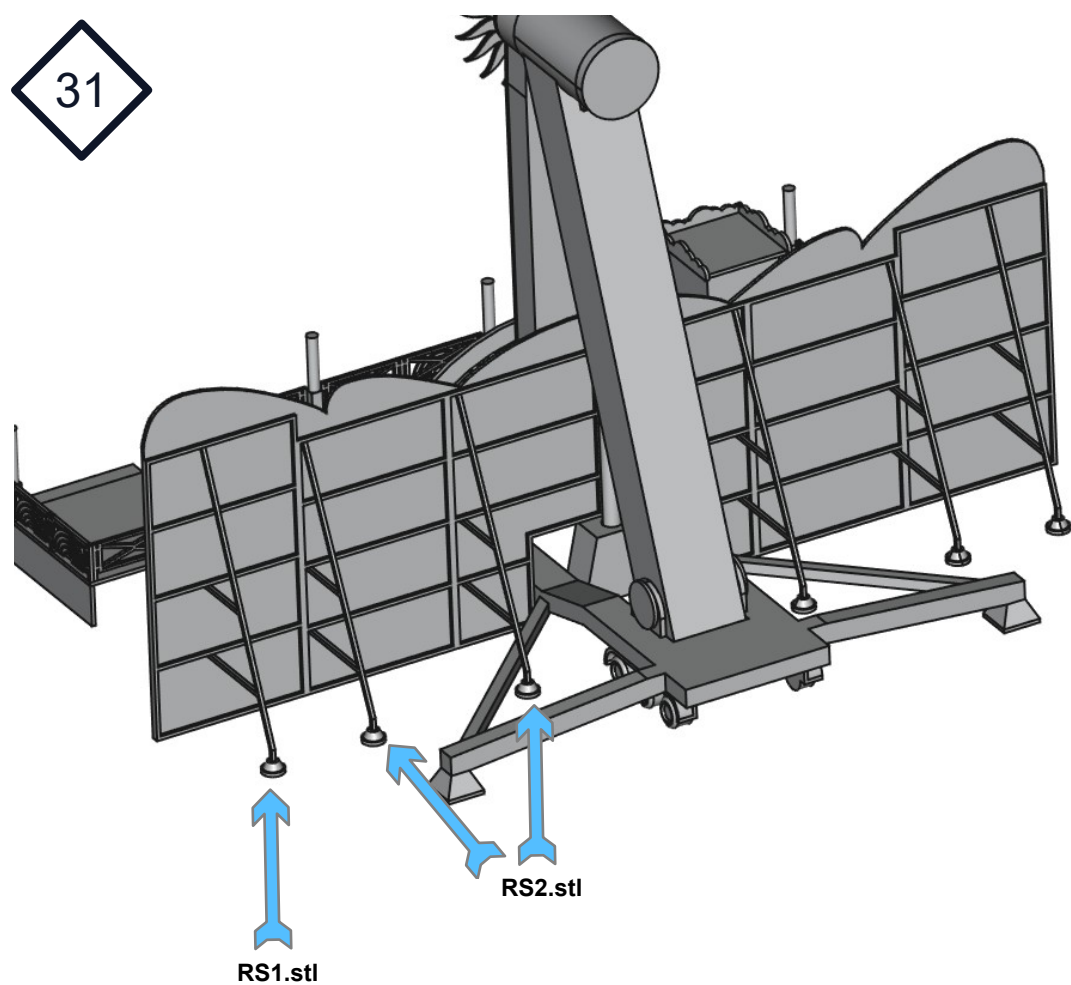
RS2.stl
RSB.stl

RS1.stl
RSB.stl

30



31



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