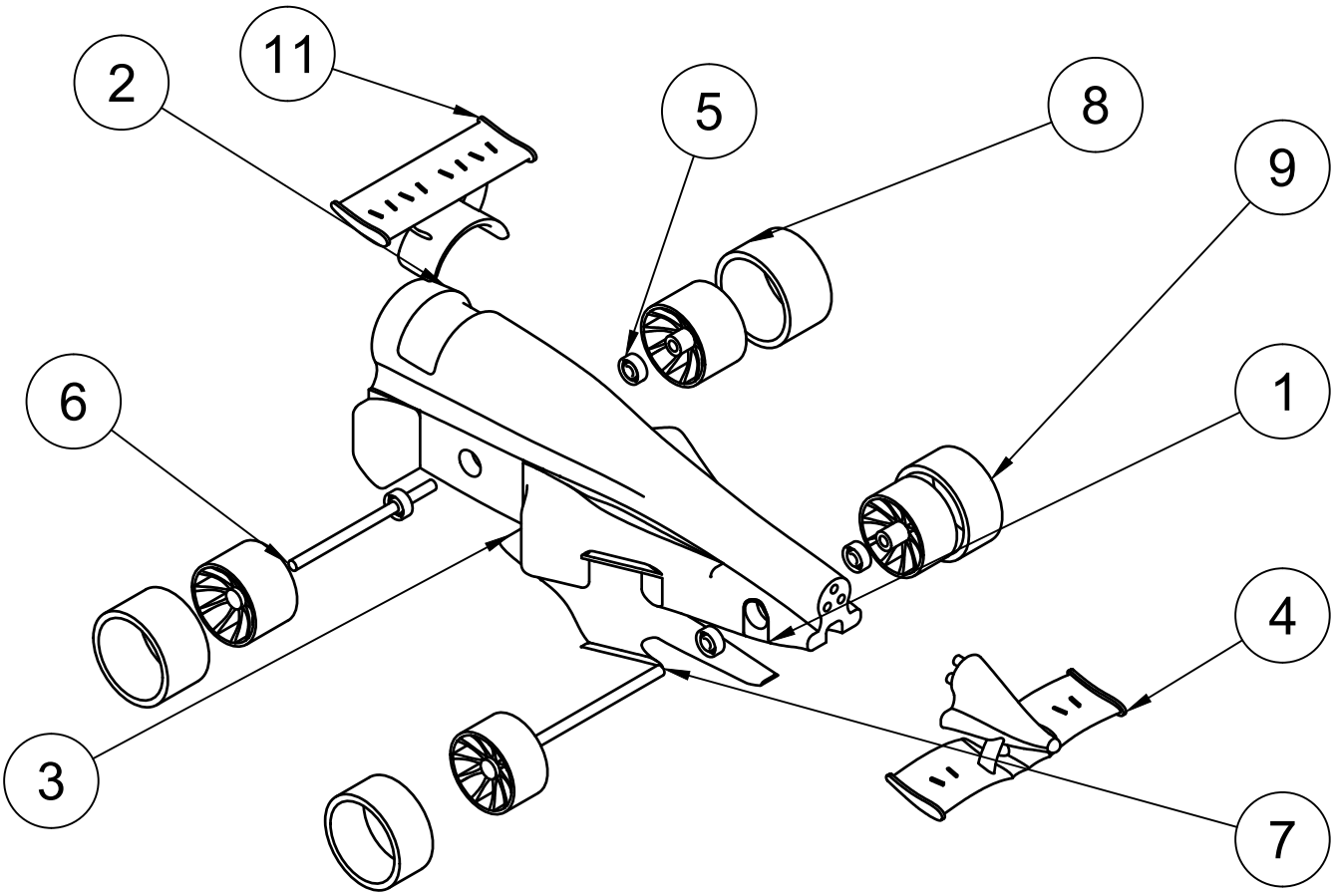
Bill of Parts and Exploded View of all Components in the Assembly

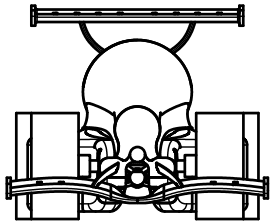


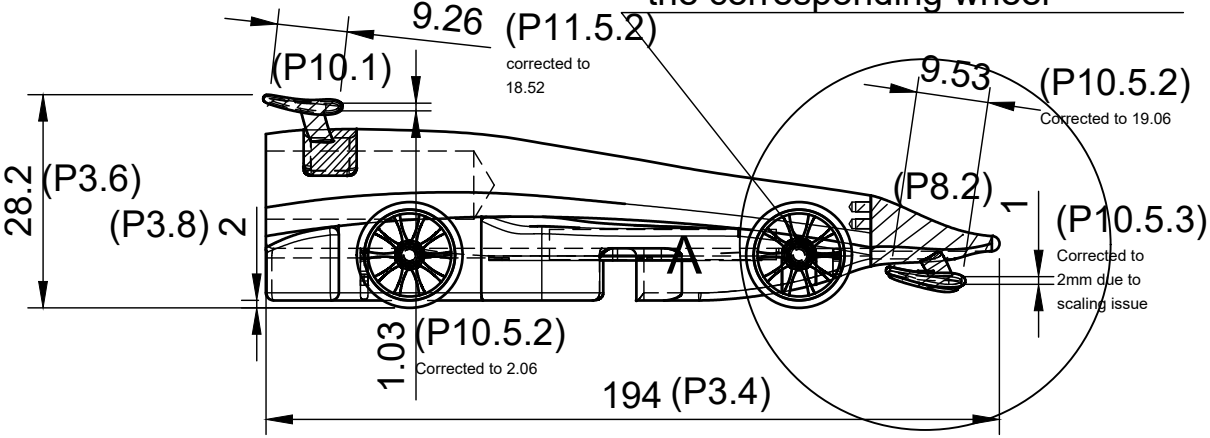
Parts List			
Item	Qty	Part Number	Description
1	1	Front Axle Support Structure	3D Printed Polyactic Acid (PLA) NB: this component had to be implemented after a breakage in the foam, should confusion arise over the variations between the CAD file submission and these drawings
2	1	Main Body	Official F1 Modelblock
3	1	Virtual cargo plate	PLA (NB: manufacturing issue resulted in exception being made to specification P4.1)
4	1	Front Wing / Nose Cone	PLA
5	4	693 Ceramic Bearing	Zirconium Dioxide
6	1	Rear Axle	Carbon Fibre Reinforced Polymer (CFRP
7	1	Front Axle	CFRP
8	2	Rear wheel	Tyre: Acetal Delrin Hub: PLA
9	2	Front wheel	Tyre: Acetal Delrin Hub: PLA
10	1	Rear tether line guide	PLA
11	1	Rear Wing	PLA
12	1	Front tether line guide	PLA

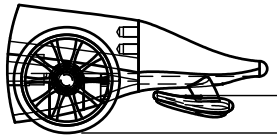
Assembled Car Key Dimensions and Identification of Nose Cone and Front and Rear Wings

Axle support structure contained withing the projected diameter of the corresponding wheel

A (1:2)

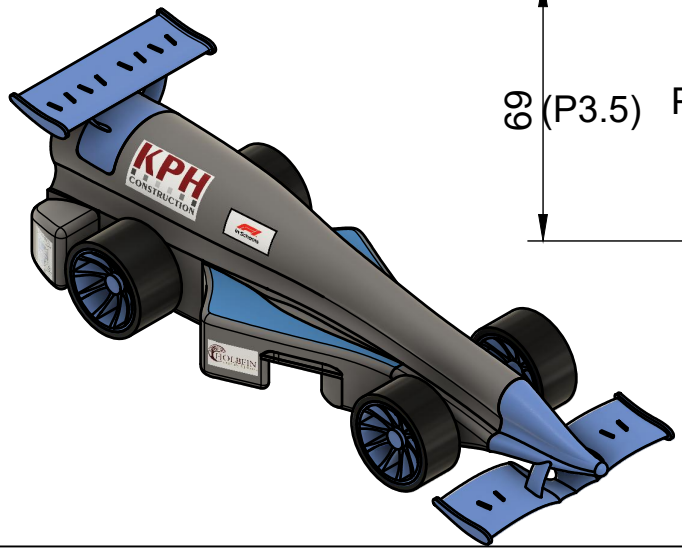


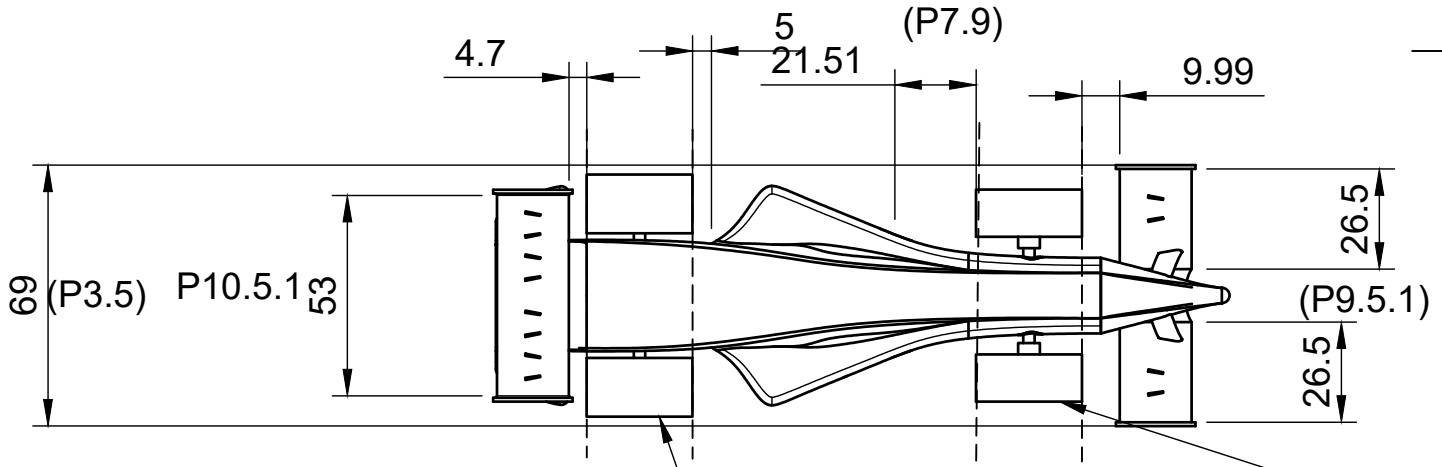




Visibility of front wheels is unobstructed above 9.22mm. ()

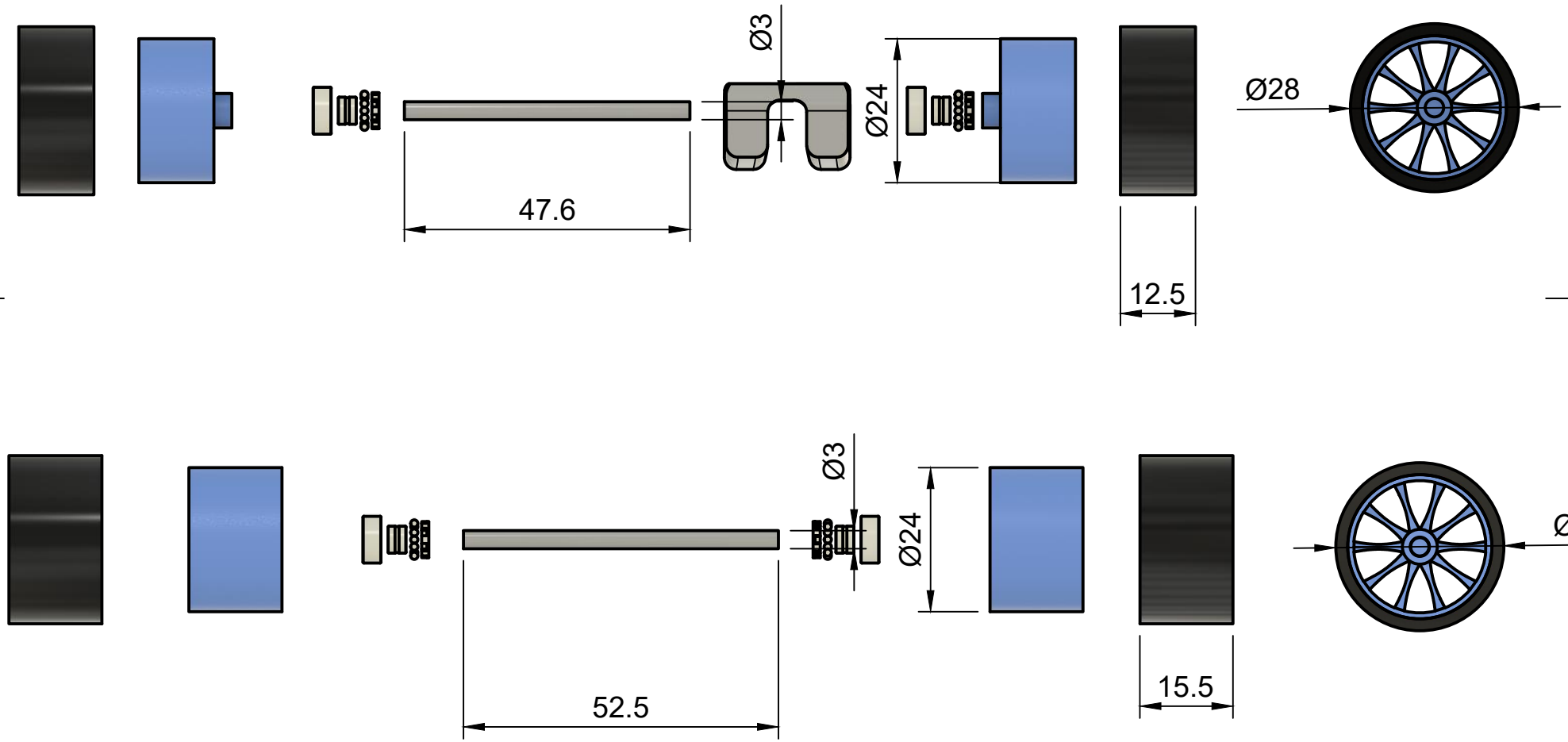
9.92





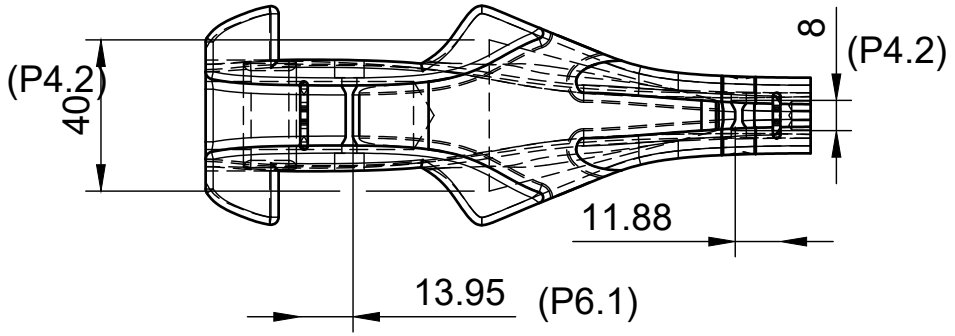
Construction lines shown mark the cylindrical volume encompassing the axle support structures

Breakdown of Wheel and Axle Assembly

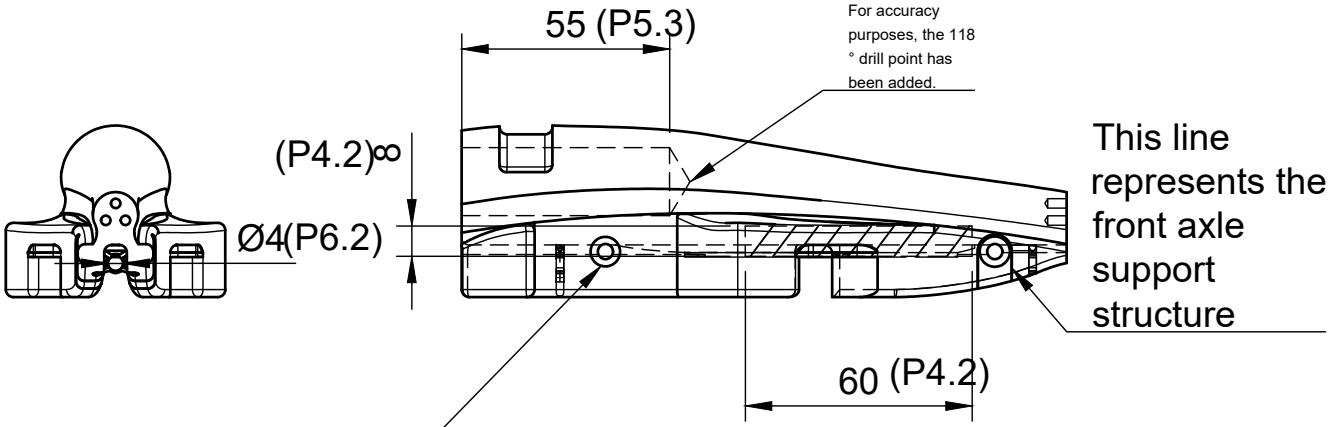


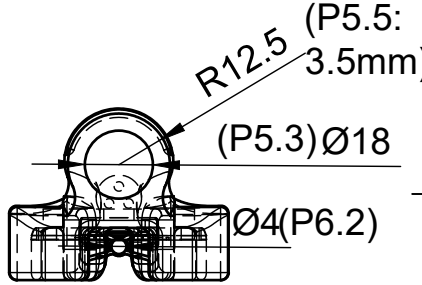
Scale 1:1

Overview of Components Contained Within the Main Body

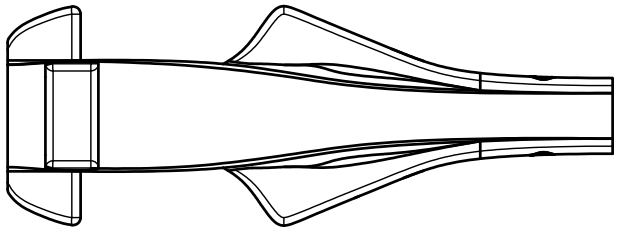


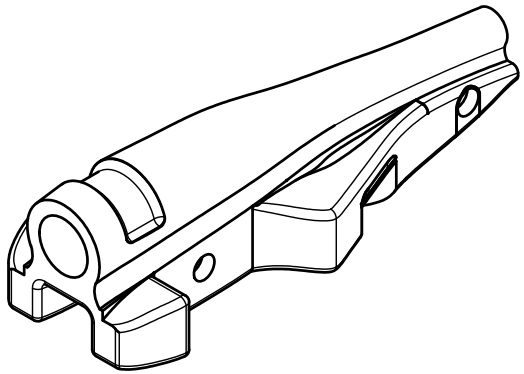
Please note, all CAD modelling was conducted in Fusion 360, and it was not until now that it was realised how difficult it is to create uniform hatching lines in a Fusion 360 design drawing. We were unable to add hatching, shading or block colour to our virtual cargo.





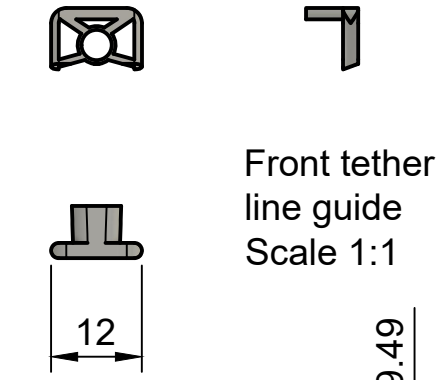
The rear axle bearing support structure is contained within the modelblock





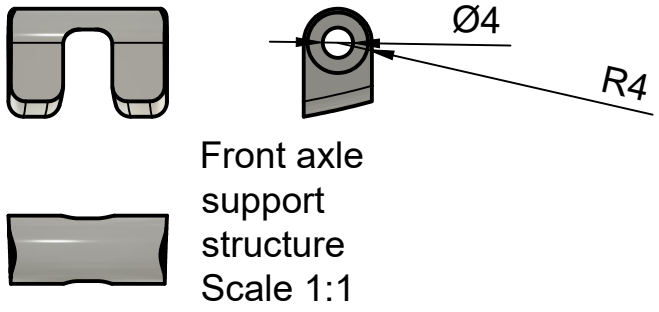
Scale 1:2

Miscellaneous Components and Renderings



Front tether line guide
Scale 1:1

Rear tether line guide
Scale 1:1



Front axle support structure
Scale 1:1