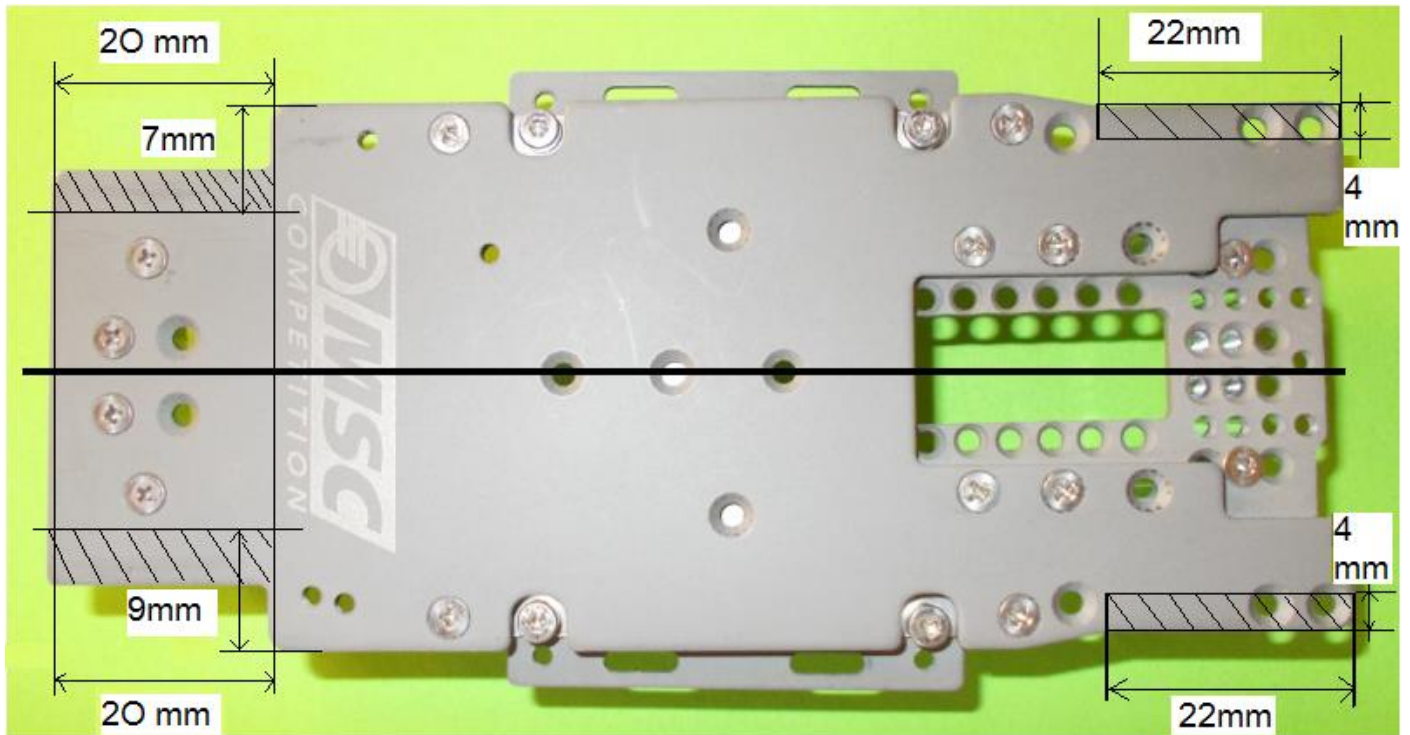


## Fitting of a Scaleauto chassis into

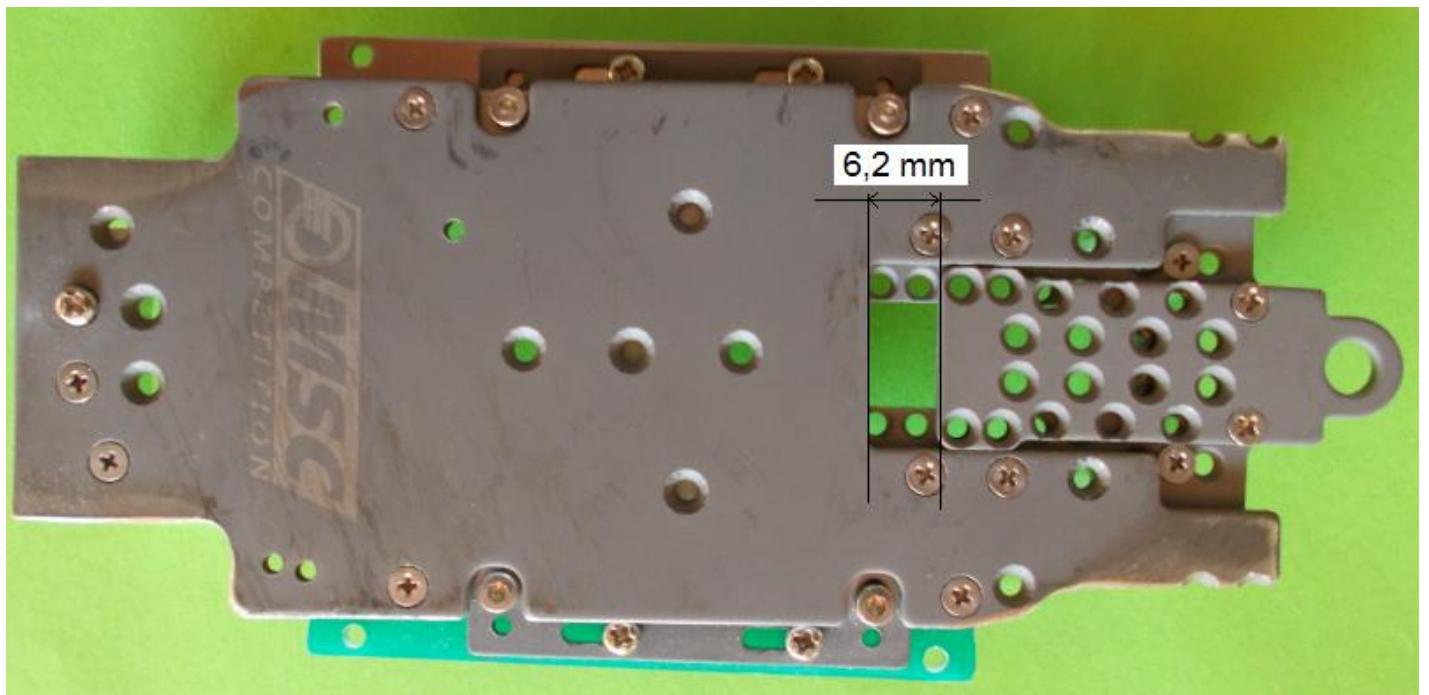
ALPINE A220 Le MANS MINIATURES 1 :24 scale slot version by Michel Manier

1/ Draw the cuts to be realized (View of the bottom)



The hatched zones are to be deleted from the Scaleauto chassis

Trim with sand paper.



Here you are the chassis with cuts realized. (View of the bottom)

Trim the right angles with a soft file to reduce the sharp edges.

2/ Settle the space between the main frame and the support of the guide

**Space : 6,2 mm**

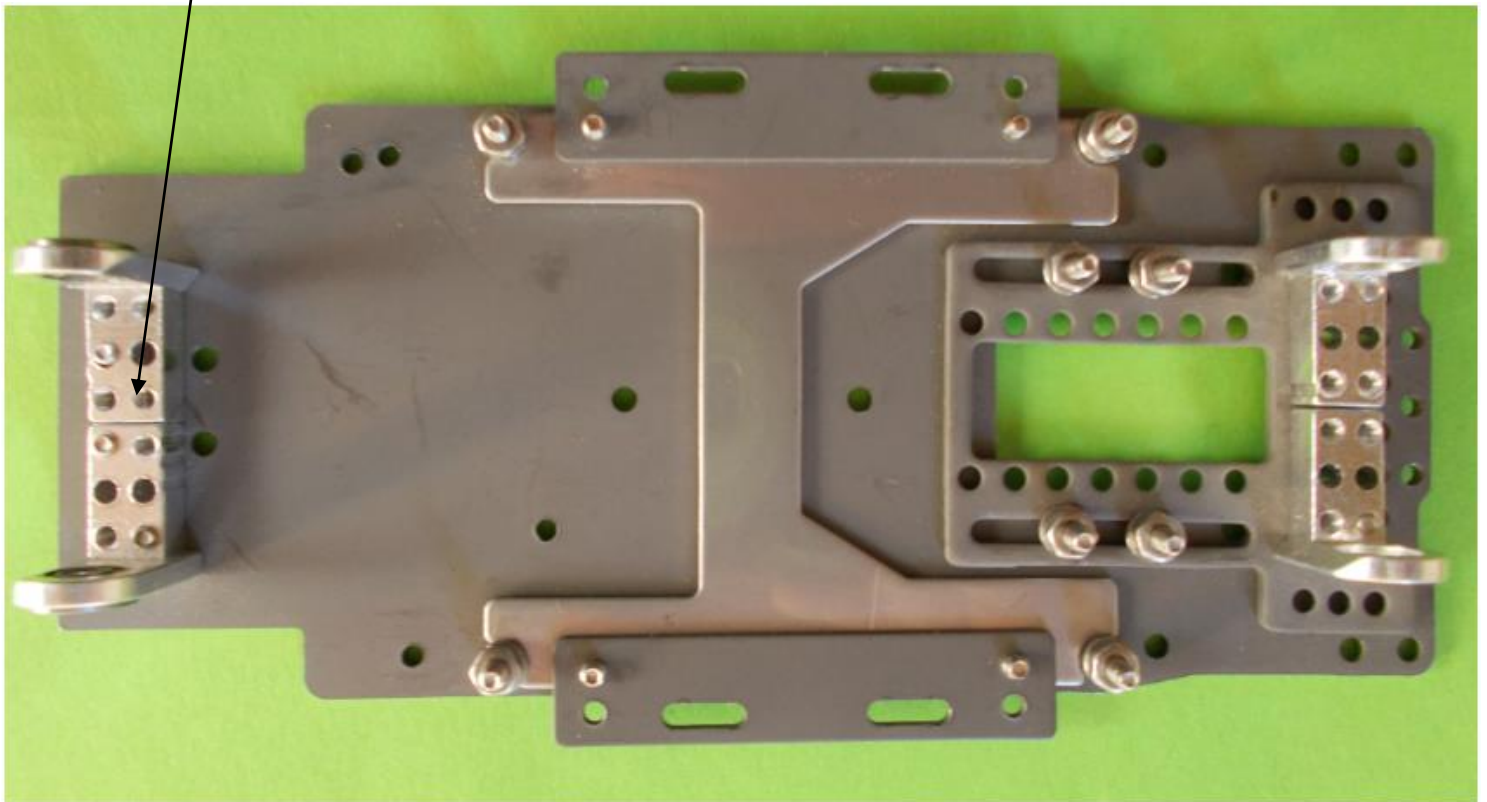
3/ Position of the bearings front and rear

Move the **left bearing** (facing the front) against the right one.

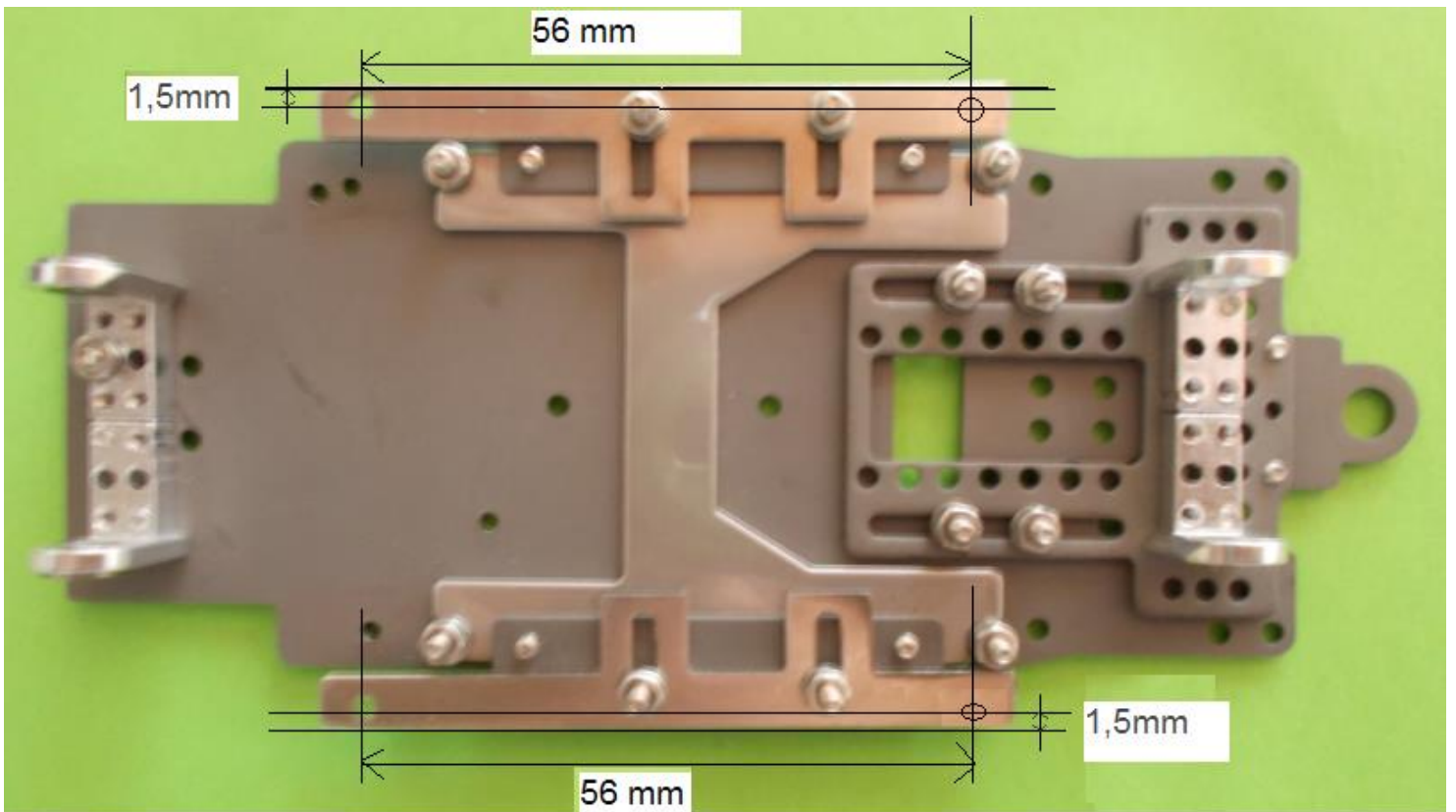
It will be necessary to use a screw with a nut to fix this bearing into its new location.

Move closer to both front bearings and position them behind their support.

4/ Position of H intermediary with the spacers of support of the body. Please note the position, the lights are placed outside.



## 5/ Fitting and drilling of the body supports

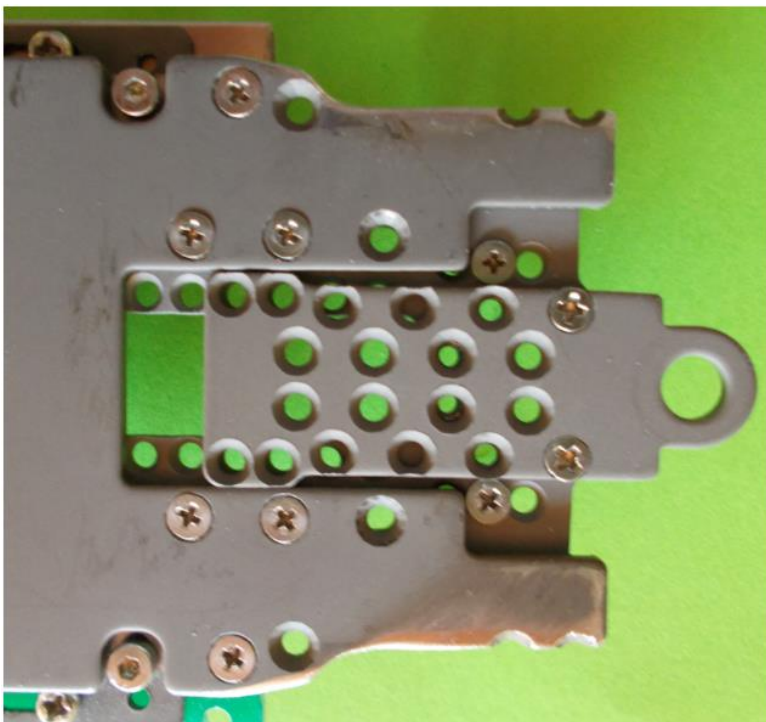


The stainless steel parts must be drilled, that is not easy without adapted tool.

For those who have the equipment, drill two holes of 2mm diameter, center distanced of 56 mm

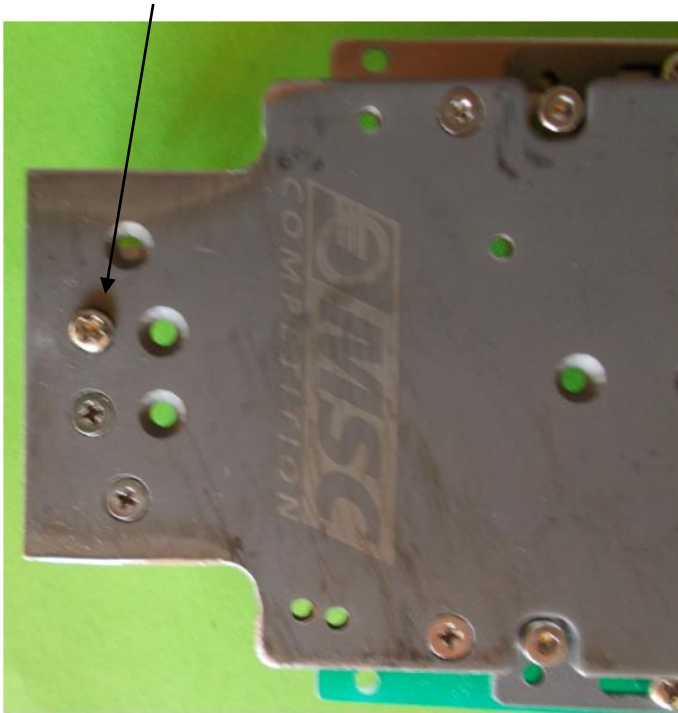
For those who do not have the equipment, another solution see point 8.

## 6/ Position of screws on front part of the chassis

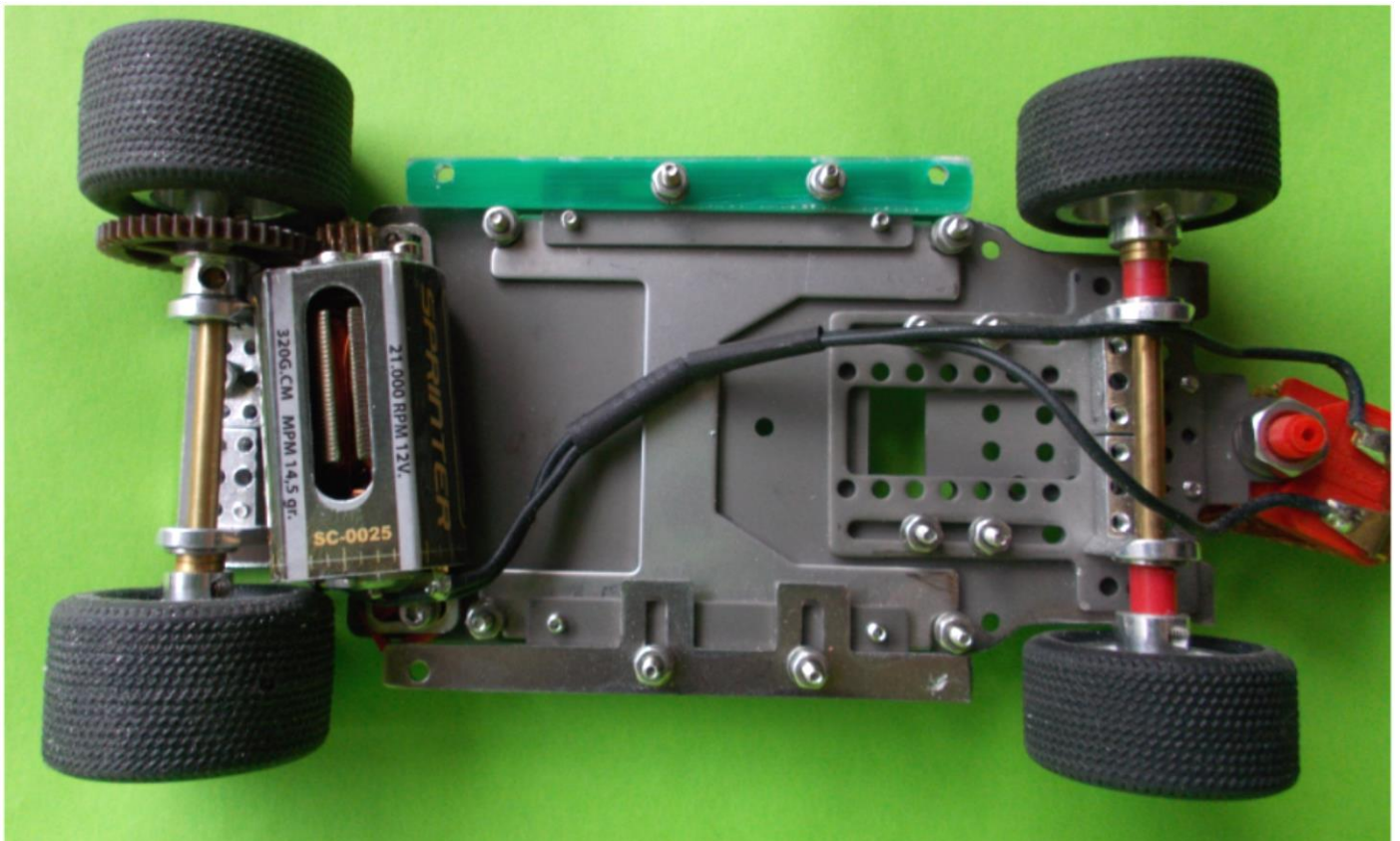


7/ Position of screws on rear part of the chassis

You can see here the new screw of the bearing.



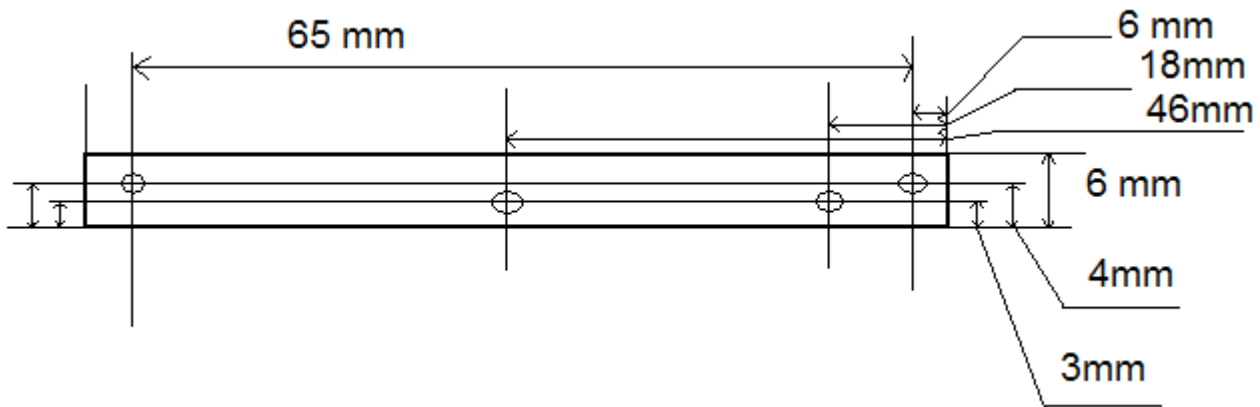
Chassis completed : Implementation of the engine, with its original supports (without any modification) but by positioning them as closely as possible to the rear axle.



It is necessary to shorten the engine axle on pinion side. Or the latter touches the tire.

8/ As I do not have the right machine to drill the stainless steel body supports parts, I have made two new parts into plasticard material of 1.5mm thickness each.

**Please find above the dimensions:**



The ideal is to use an aluminum sheet of 3mm thickness. Thus the body does not touch the tires.

In this case, either insert a spacer between body and chassis, or file the rear bearings to set down the rear wheel axle not to touch the wheel arches. Indeed the ideal width of rear wheel has to be, except everything, 72mm, to pass into the wings.

The length of the sidewinder engine with the pinion obliged a total width that cannot be reduced of 74mm.

This width can be got by trimming the right rear rim as close as possible from the grub screw of the rear axle. Indeed the chassis can be easily adapted into the resin body of this Alpine A220

