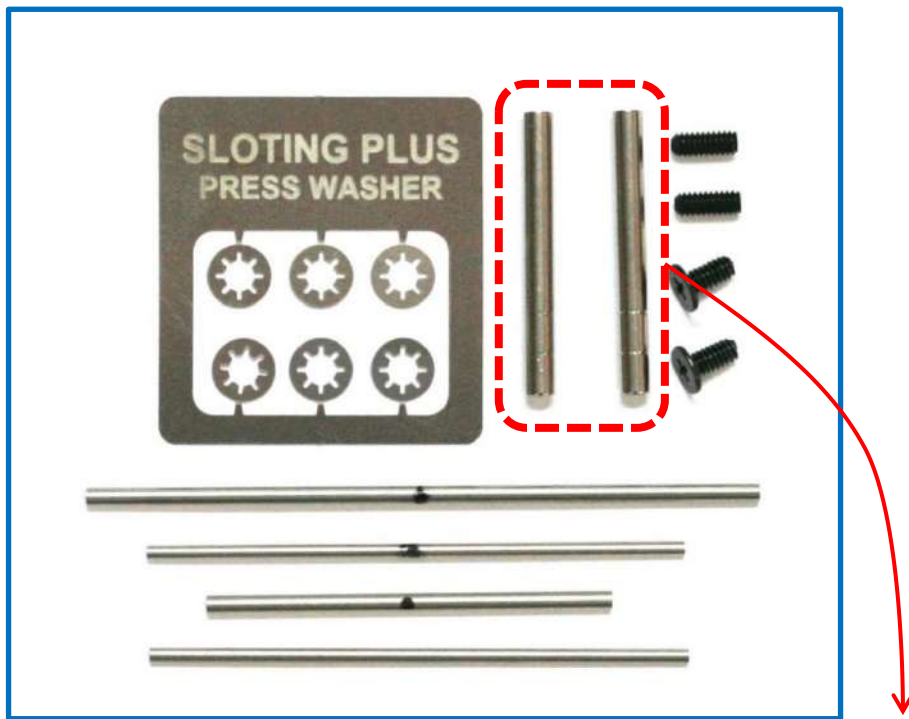


-SEMI-AXLE-



The semi-axles, unlike any other on the market, means an innovation before never seen. They are hollow and have an M2 internal thread at one end and two external slots at the other end.

In the threaded end it can place, indistinctly, the M2 x 5 hexagonal screw or the M2 x 4 Phillips flat head screw, the grooved washers are placed in the slots and the small connection tube is placed inside the tube.

All the necessary parts for any assembly possibility are included in a single kit, without the need to buy anything else.



-GROOVED WASHER-



The grooved washers can be placed in any of the semi-axle slots and their function is to prevent the longitudinal movement of the semi-axle, i.e., they act the same as a stopper but with much less weight (0.02 gr.), no inertia and very easy assembly.



-CONNECTION AXLES-



The connection axles are, like the other parts, one of the important innovations included in this kit. As you can see, all parts set combine and complement each other to form a multipurpose and Universal item before never seen.

The connecting axle is the link that “joins” the two semi-axes, providing different solutions in the preparation of the axle.

If you choose to glue the two semi-axes with the connecting axle, you will get what we call **-RIGID axle for independent wheels-**, i.e., an axle to the exact size you need and that allows the wheels to turn freely and independently.

If your option is **-NO-** to glue the connecting axle with the two semi-axes, you will get a **-FLEXIBLE axle for independent wheels-**. An axle with more free adaptation of the wheels, because the axle is not rigid and the minimum tolerance between the semi-axle and the small connecting axle can be an added value in the set-up.

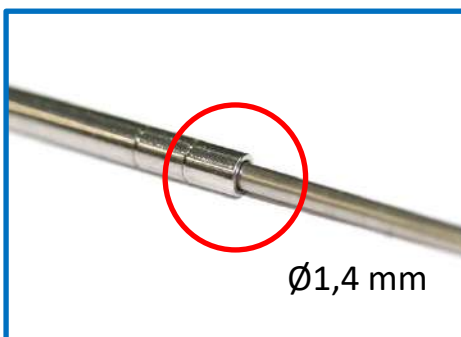
-SMALL CONNECTION AXLE-



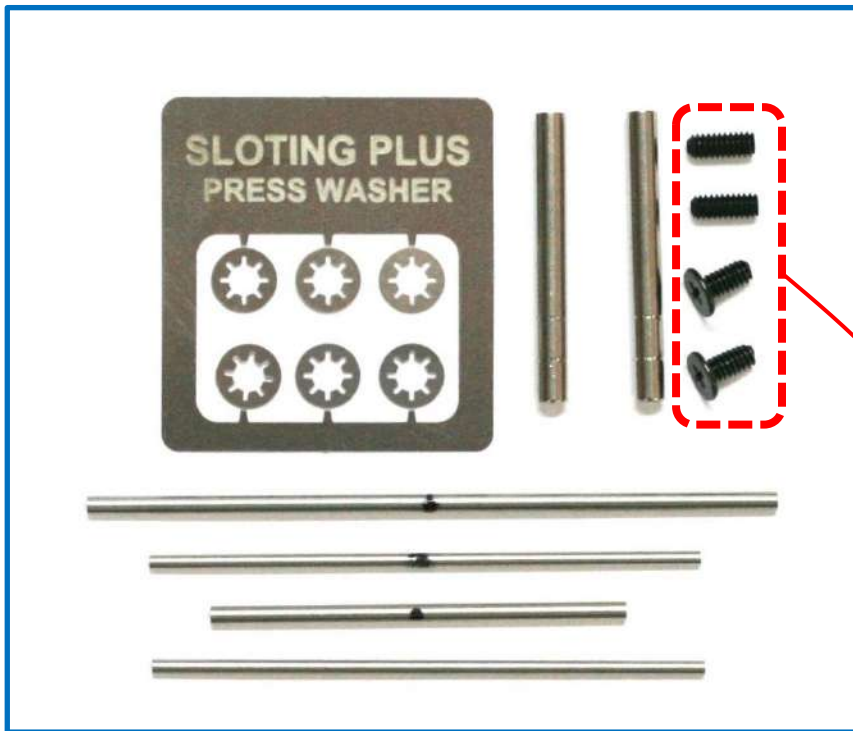
The kit also include a connecting axle with a smaller diameter - \varnothing 1.1 mm.- because we are sure that the fan will know how to extract the full potential of parts's set featured by this new item.

The reason for include this smaller diameter axle is that the tolerance between the two semi-axles and the connecting axle is much greater and it may be more appropriate in some cases because it offers more movement between the parts.

This axis -NEVER- should be glued to the semi-axles because, being of a smaller diameter, the gluing will not be adequate.



-SCREWS-



The two M2 x 4 mm Phillips flat head screws and the two M2 x 5mm hexagonal screws are the essential complement in this kit because thanks to them they increase the possibilities of use of this modern semi-axle system or -axle for independent wheels-.

The mission of the Phillips flat head screw is double, because depending on your choice, it will allow the wheel and the small connection axle don't go out.

The purpose of the Allen hexagonal screws, if you choose to screw the wheels to the semi-axle, will be to prevent the connecting axle, the link that joins the two semi-axes, go out.



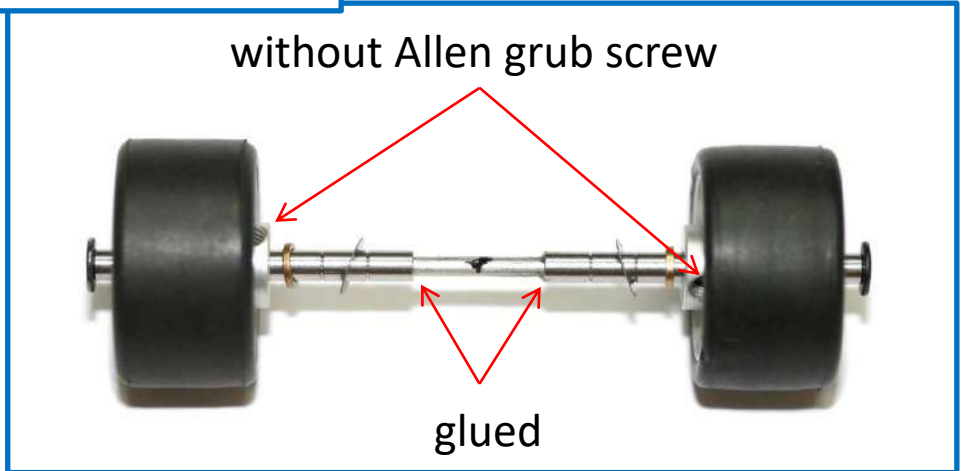


Example of semi-axles **-WITHOUT GLUING-** (upper picture), in this case the wheels don't need the hexagonal screw.

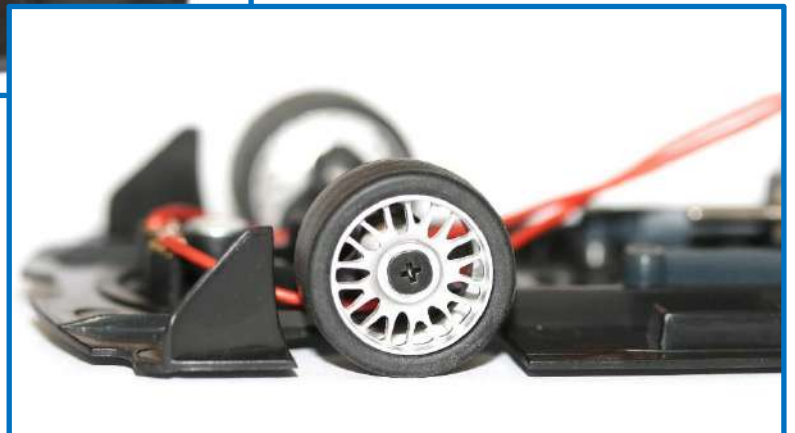
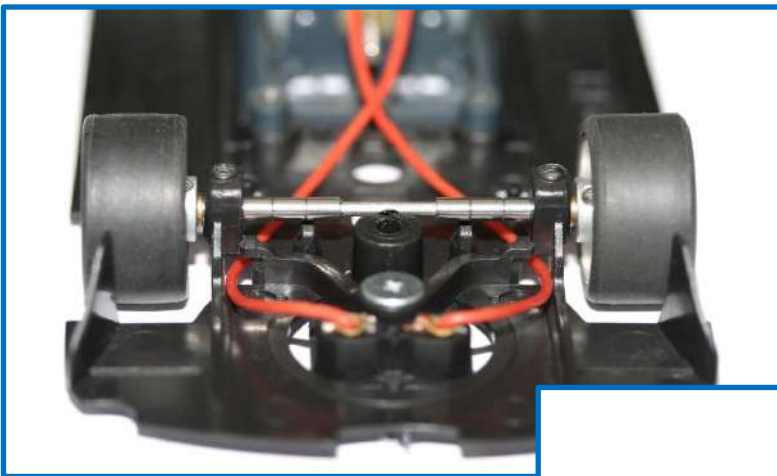
If you wish, you can also do the same ensemble by removing the Phillips screws and using the hexagonal screw on the wheels. Remember that in this case **-YES-** you have to place the M2 x 5 hexagonal screw on each semi-axle to prevent the small tube go out.

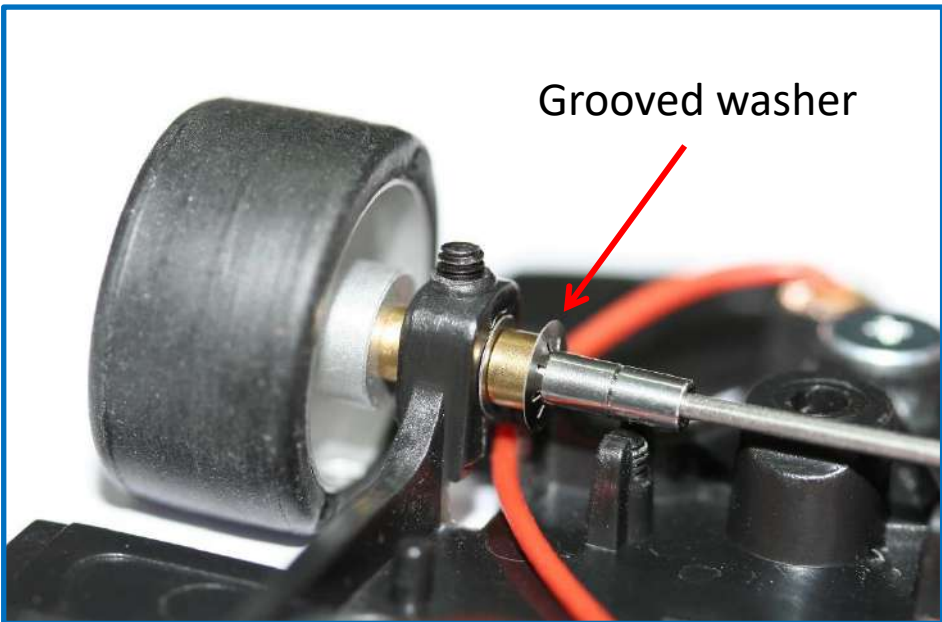
If you prefer, you can also use an habitual stopper. There isn't limit on the ensemble and set-up.



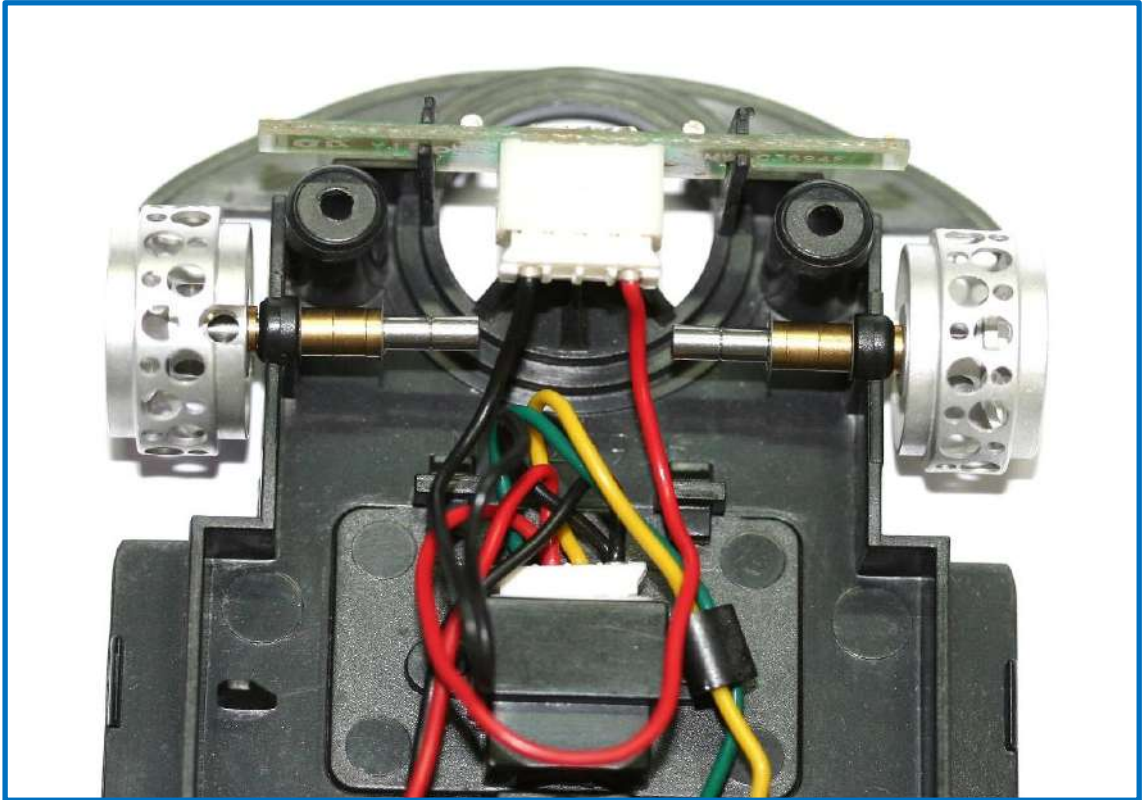


Example of **GLUED** semi-axes -axle for independent wheels- created with the help of the **-MEASURES COPIER-** and in this case the rims do not need the Allen grub screw.

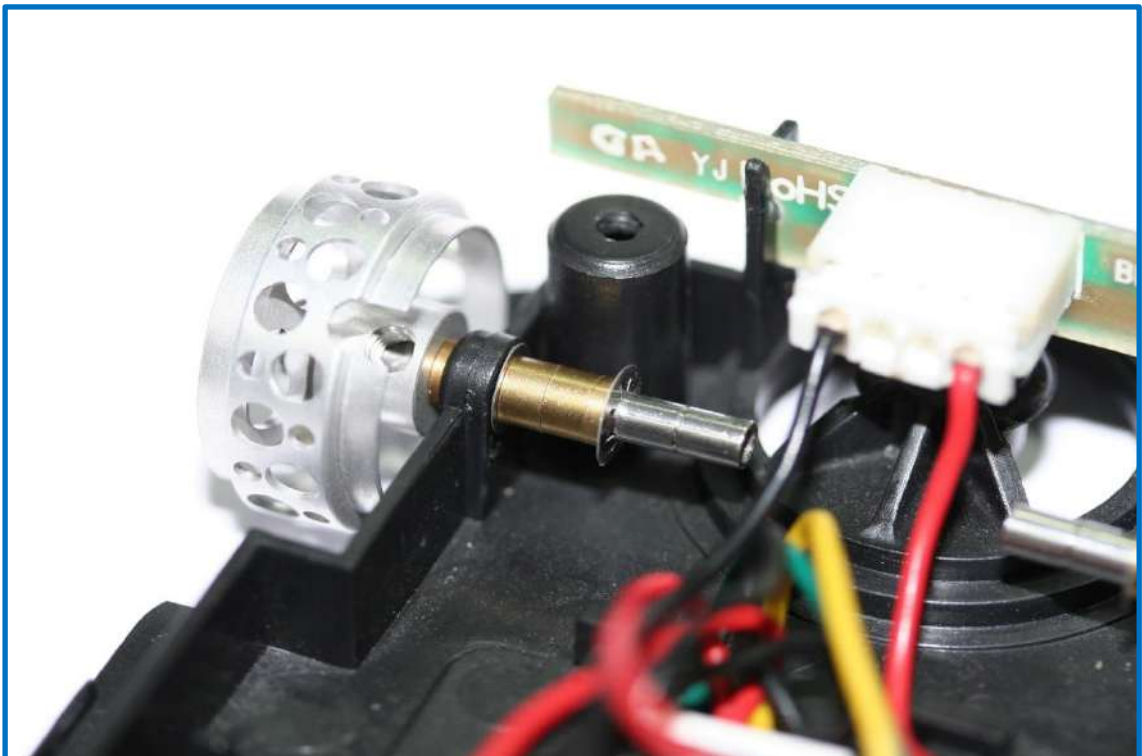


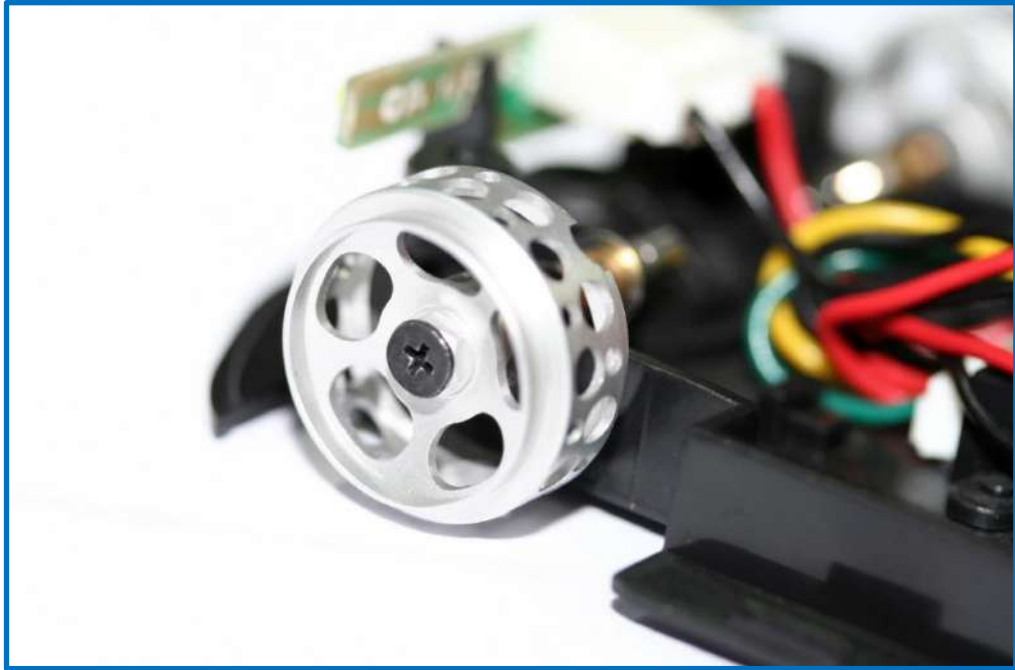


Example of semi-axle for BMW 125 -Scalextric-



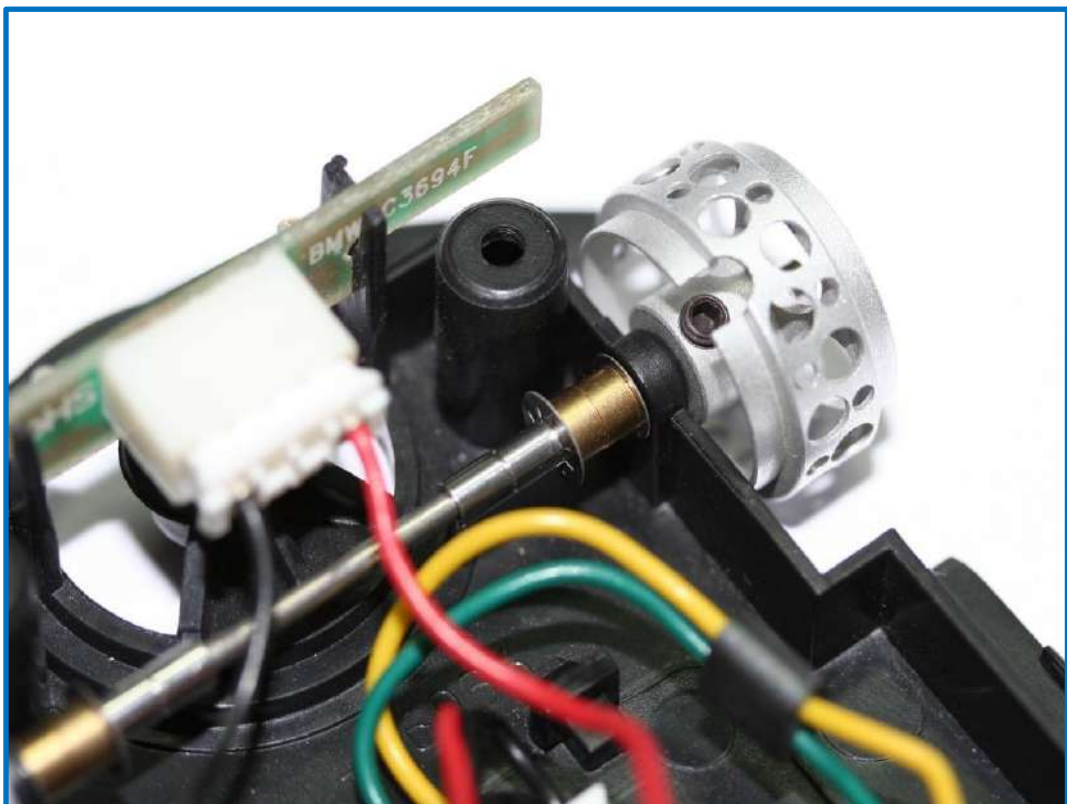
For this model there are two semi-axes proposals. The first without the solidary tube (upper photo) and without screws on the rims.



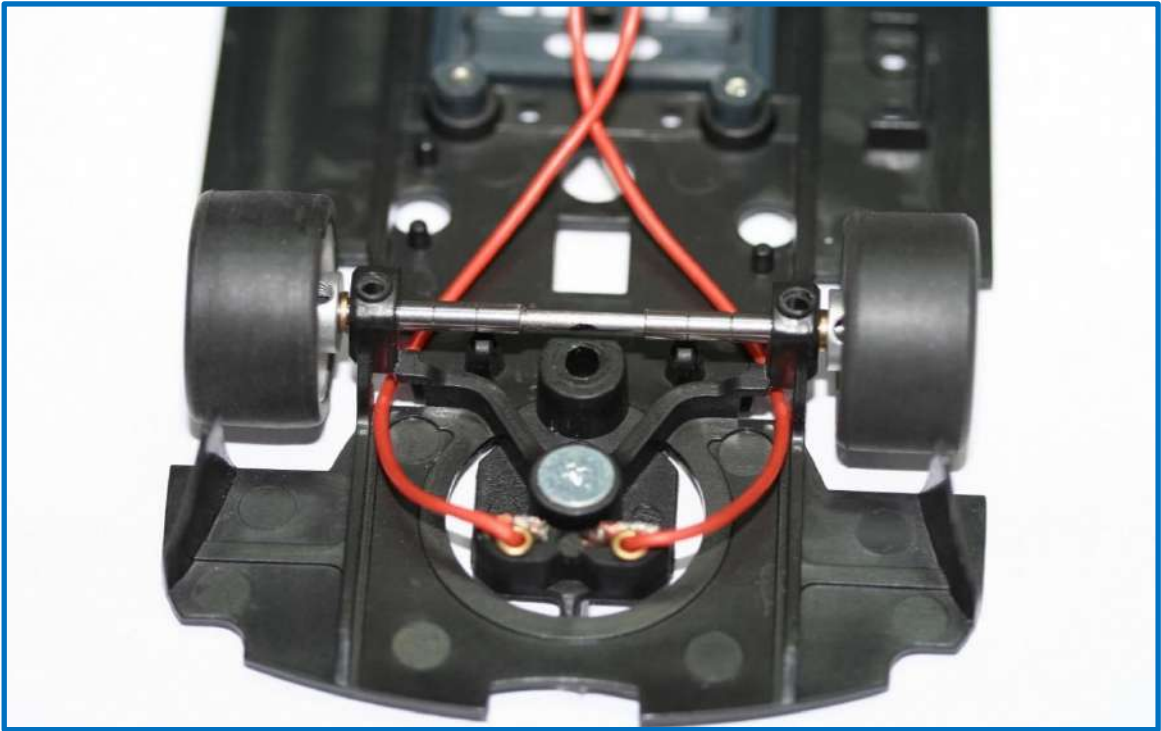


In the case of the first option, the wheel does not go out thanks to the Phillips screw that prevents it.

The second proposal (lower picture) is with the small solidary tube without gluing, with the screws on the wheels and the M2 x 5 mm hexagonal screw inside each semi-axle.



Example of -rigid axle for independent wheels- for Alfa Romeo 155 V6 Ti DTM -Slot.it-



For this example, the tube that joins solidary the two semi-axes **-IS-** glued, it is $\text{Ø}1.4 \times 30$ mm in length and the rims **-NOT-** have the Allen grub screw.

BBS rim 15.9 x 8.5mm. + 0.2mm steel spacer + 0.5mm brass spacer.





In this ensemble, the wheel turns "free" on the glued semi-axle and the Phillips flat screw, logically, prevents the rim go out. This type of axle is called **-RIGID axle for independent wheels-**

With this type of axle, or with a semi-axle, is avoided that the entire axle turn jointly when touching only one wheel on the track, and greatly reduces the imbalance that the whole assembly can cause.

Remember to lubricate the wheels to eliminate friction and glue the Phillips screws so you don't lose them.

