

## Children's Ferris Wheel

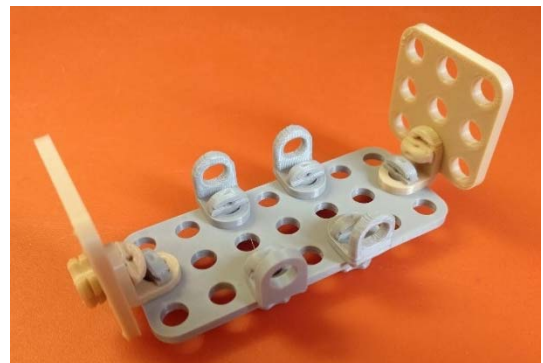
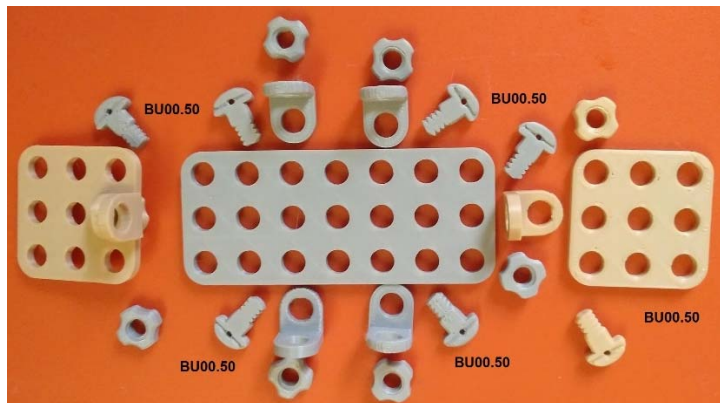
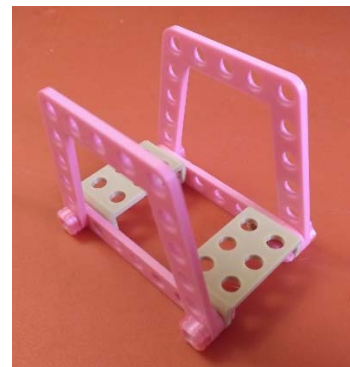
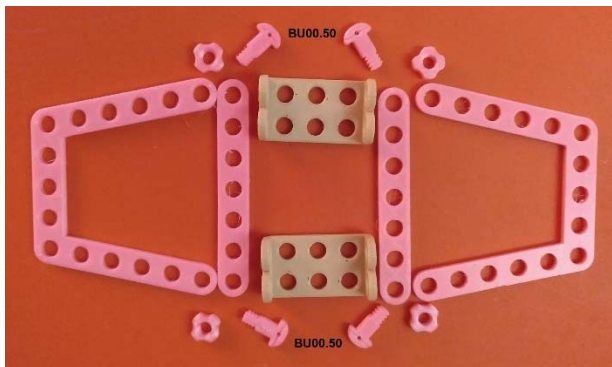
This Ferris Wheel is a reproduction of the typical children's attraction made with Stempfie parts.

This project is suitable for assembly ability for groups; it contains six identical cabins, two support wheels, and a base. It is helpful to be able to participate in up to nine children or teenagers.

Screws are parts that are not currently used in current assemblies, the pieces are joined together based on simple assemblies, but at the same time, they lose the opportunity to take a manual skill and dexterity to place them.

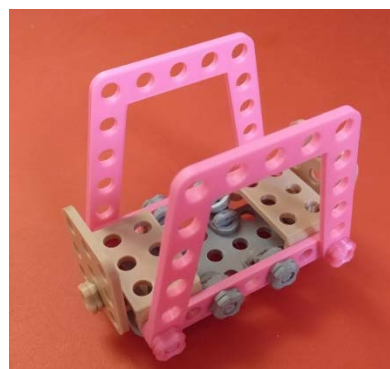
### Assembly

#### Cabin

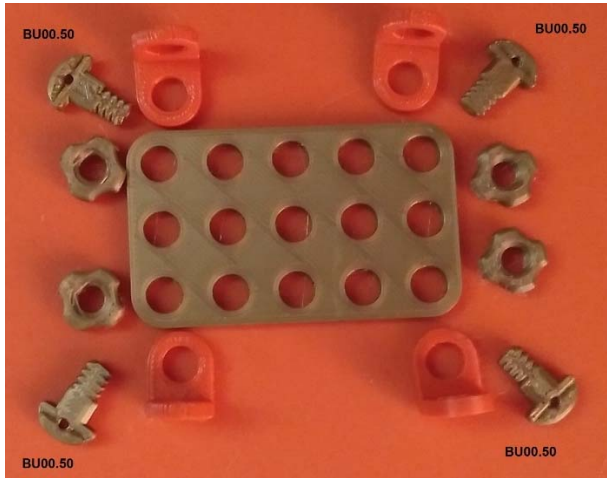


All screws are type **BU00.50**

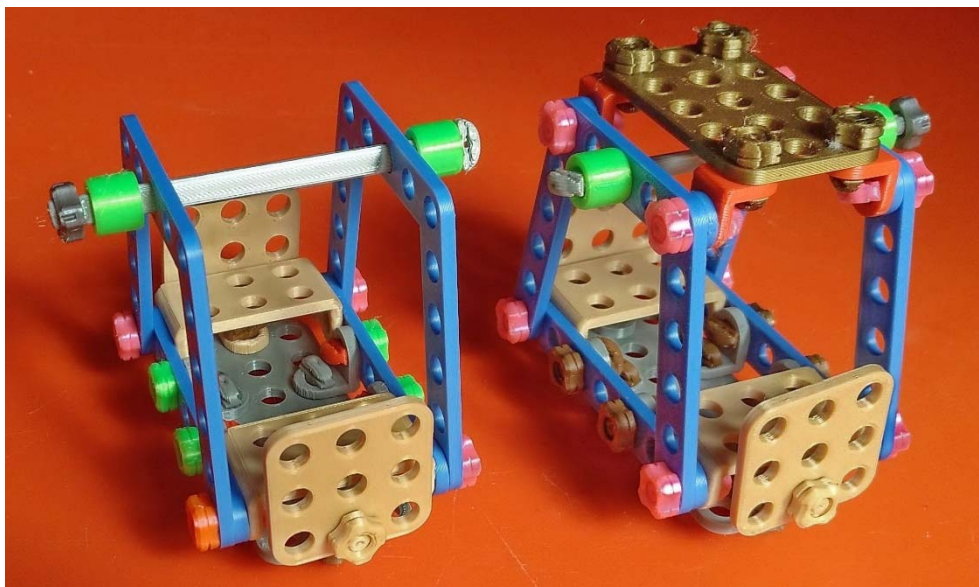
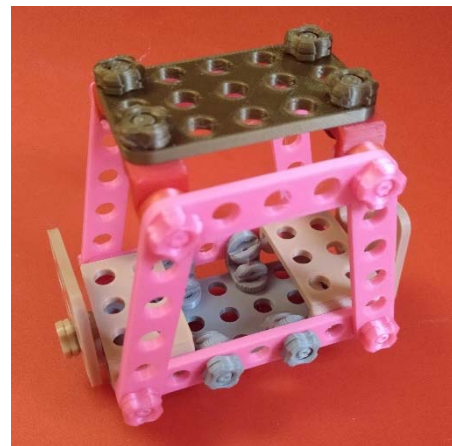
The cabin can be left at this point, a roofless version for the summer.



If you want the roofed version, you need to add this attachment for the winter. The screws are type **BU00.50**.



To fix the roof to the cabin, you need to add four screws **BU00.75**, four **washers** and four **nuts**.

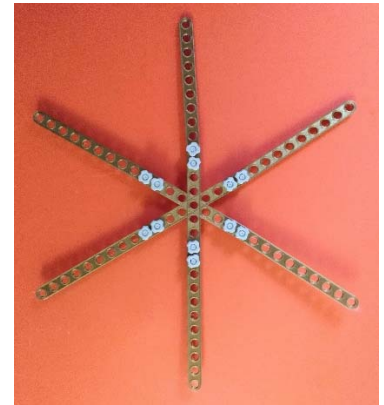
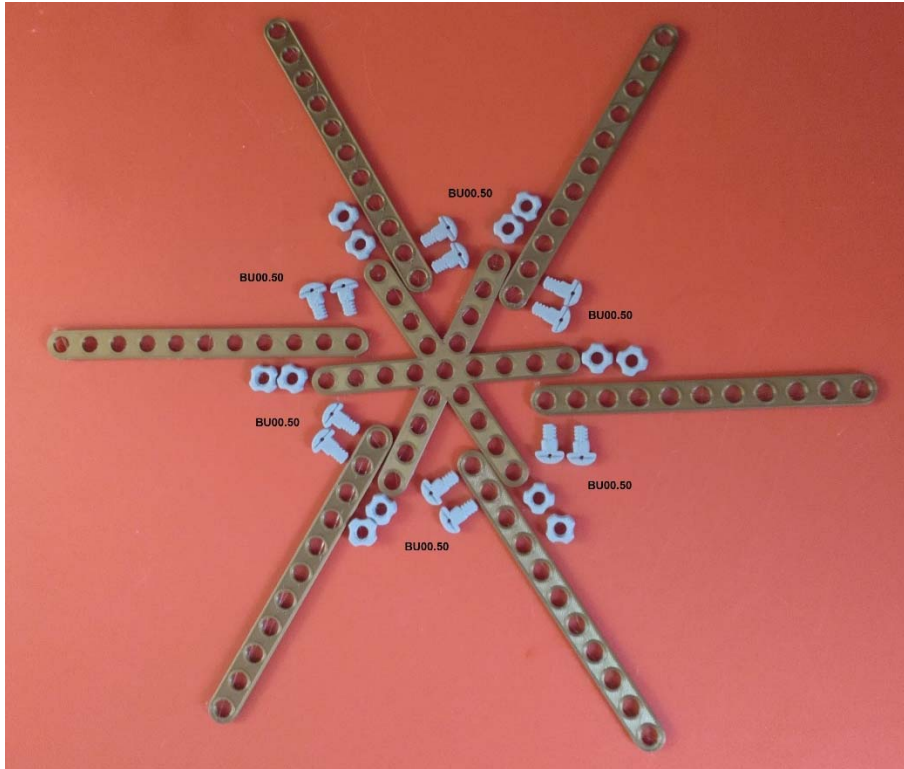


Six cabins are mounted, and to fix them to the wheel using **PIN07.00**, fastener, and **10mm washers**, this assembly will be shown later.

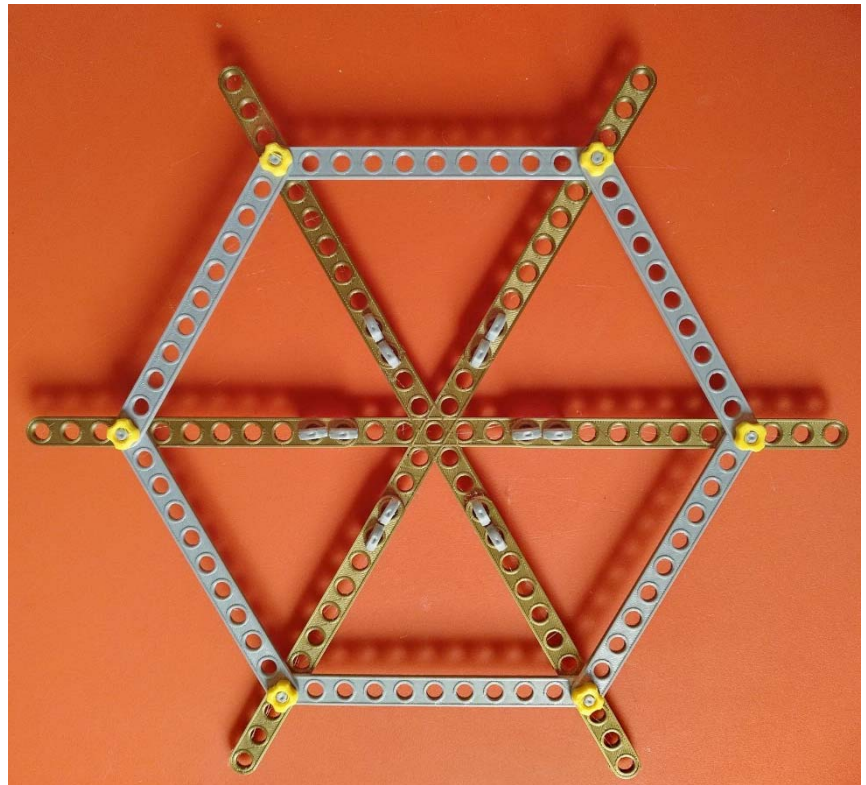


## Wheel

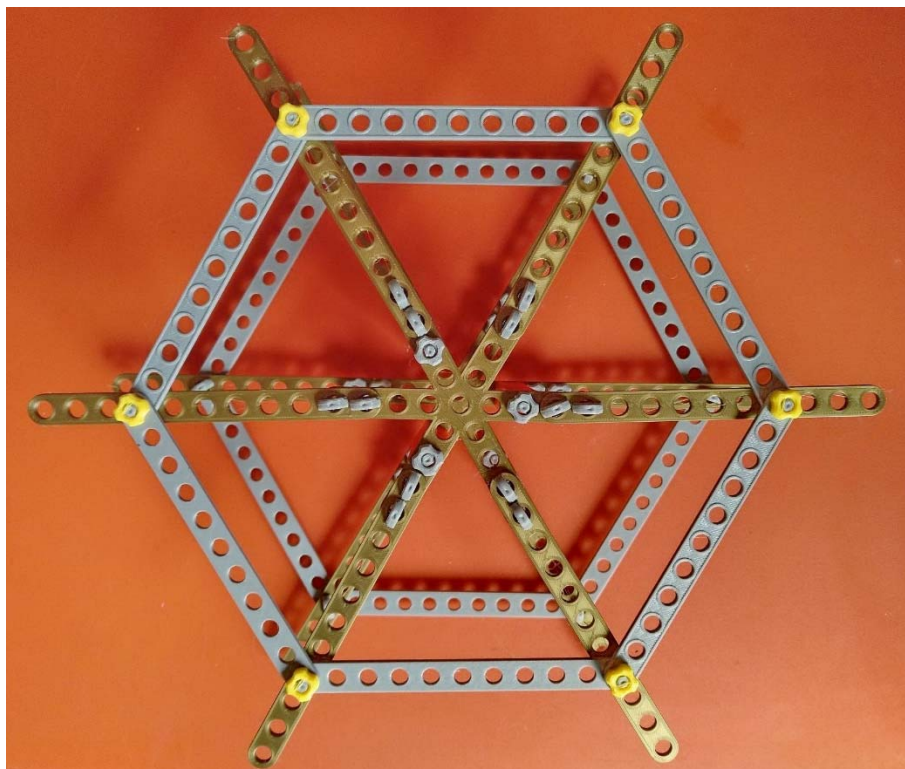
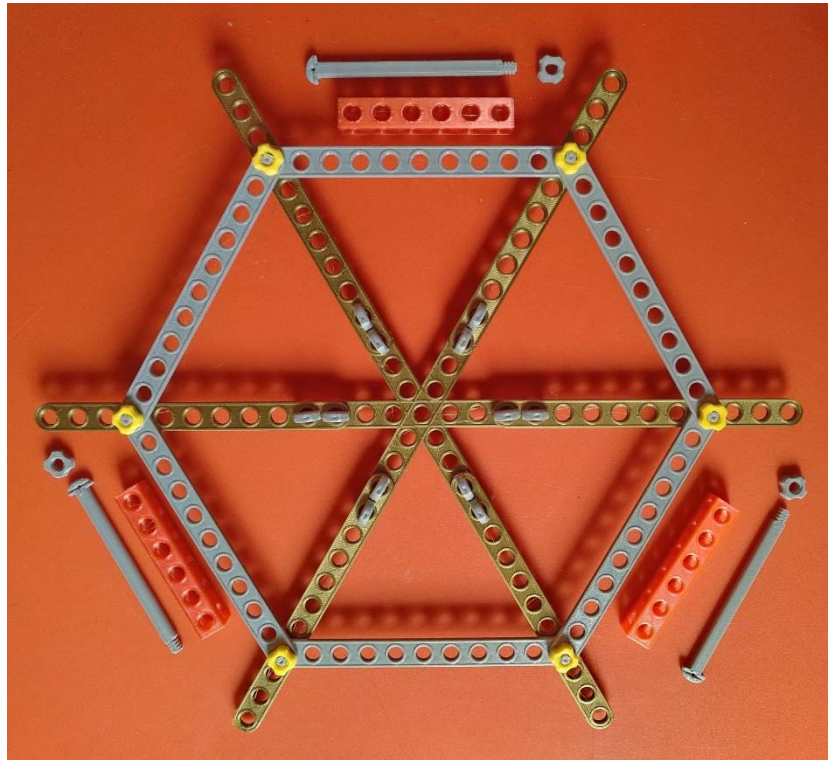
For each wheel, use the following parts: **Cross 9x9** (1 piece), Screw **BU00.50** (12 pieces), 6 Braces **BU11** and **Nuts** (12 pieces).



Reinforcements of the structure is made with six braces **BU11**, six screws **BU00.75** and six Nuts.



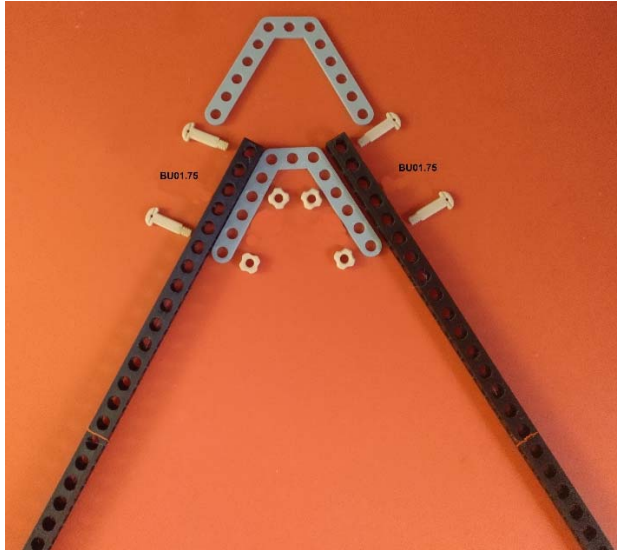
The two mounted wheels are joined with three **Beam 6** and fixed with three screw **BU06.50** and three **Nuts**.





## Base

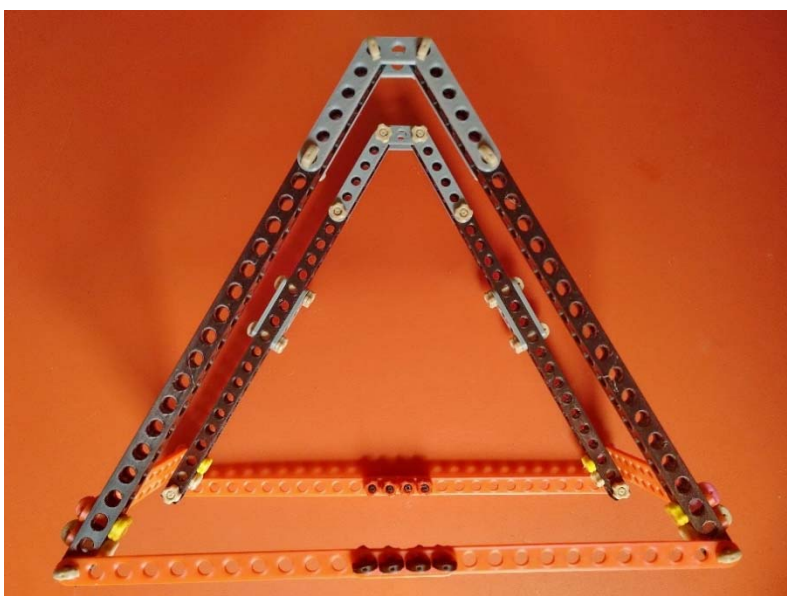
The base is mounted with two identical structures containing four Beam **BU12**, joined by four braces **BU4** and two **U**, fixed with eight screws **BU01.50** and eight **Nuts**.



Two identical braces are mounted for the base, being so long it is done with two brace **BU13** joined with a brace **BU4** and four screw **BU00.50** and four **Nuts**.

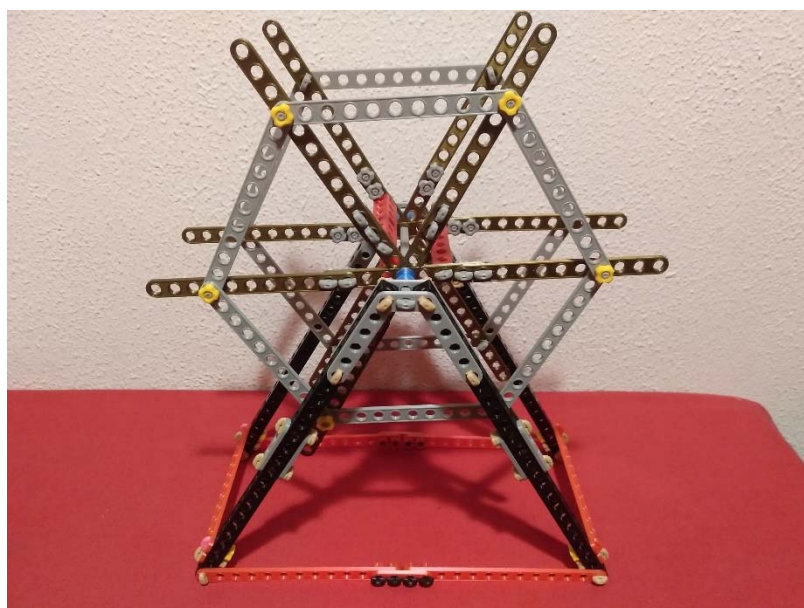
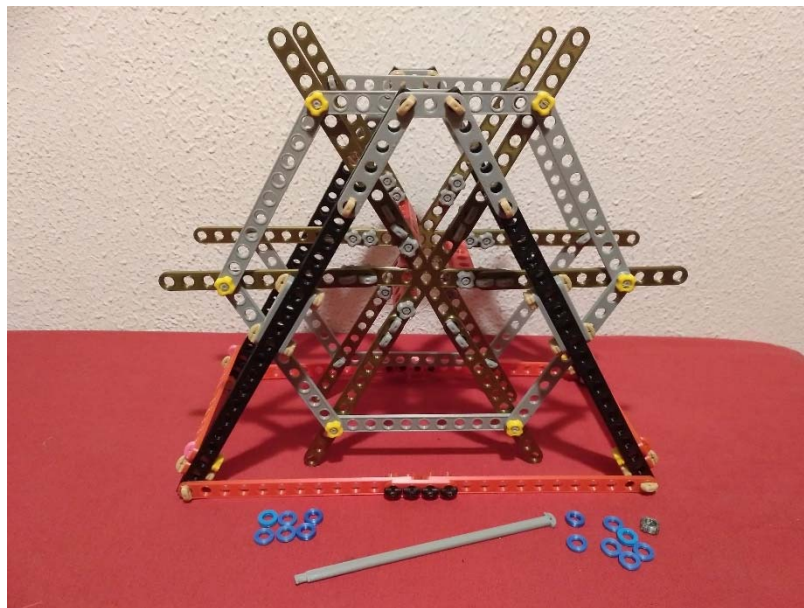
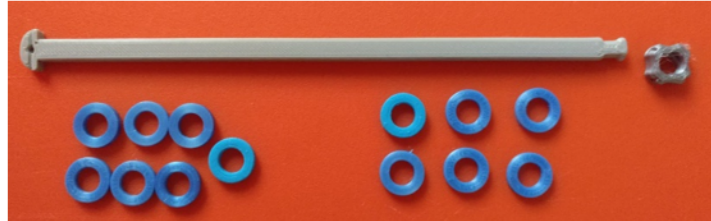


The two structures are joined by four brace **BU12**, eight screws **BU01.50** and 8 **Nuts**. In this way, they give more solidity to the structure.



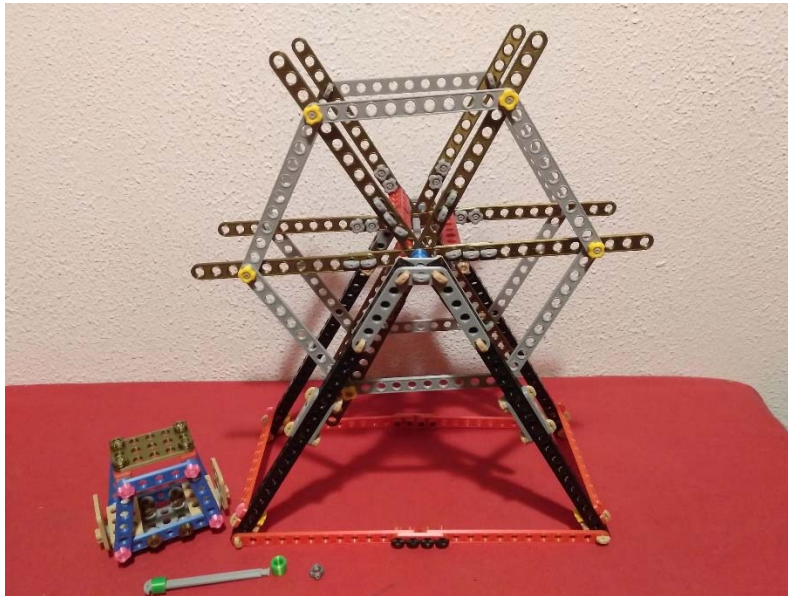
Now all that remains is to join the **Base** with the **Wheel** and finally hang the **Cabins**.

The **Base** joins the **Wheel** using a **PIN 166mm** shaft and give space between the wheel putting 5mm **washers** as separators, six on one side and seven on the other side, at the end a **fastener** leaves the shaft free.





Each **Cabin** is hung at each end of the Wheel using PIN **BU07.00** two **10 mm washer** and the **fastener**. The cabin moves freely.



The Ferris Wheel is complete ... or not ... why not add an engine and automate the system?

