

## HIGH COMPACTING CAPACITY FOLDING WHEELCHAIR

### Description:

There are currently two large groups of wheelchairs on the market: manual or conventional wheelchairs and electric wheelchairs. Manual wheelchairs are the most widespread among the group of wheelchair users with lower body disabilities, in which the user is responsible for the movement of the driving wheels by himself without any external support such as a motor. In these, the user exerts the effort on the driving wheels whose axis is ahead of him in order to facilitate the turning movement. Within manual wheelchairs, there are folding wheelchairs. In most of this type of wheelchair, the folding system is based on the scissors mode, allowing the distance between the centers of the driving wheels to be shortened, causing them to not be entirely ergonomic in terms of handling. The present invention has as its object a folding wheelchair that facilitates the daily life of the user in question and of the people around him when it is transported and stored at home, for this a system of Folding different from the one that exists today in the market, thus giving the chair a compacting capacity far above its peers.

### Keywords:

[Health](#), [Wheelchair](#), [Folding System](#), [Orthopedics](#)

### Sectors:

[Health](#), [Engineering](#), [Others](#)

### Areas:

[Health Sciences](#), [Quality of life](#), [Mechanics](#), [Technological Improvements](#)



### Advantages:

The group of electric wheelchairs compared to manual ones is less accessible to the average user, since its cost is higher since higher quality materials are needed to support the additional weight of the motor assembly and the fatigue that it provides to the machine. structure of it. And compared to current folding chairs, the invention proposed here gives rise to a wheelchair that is easy to fold and has a greater compacting capacity.

### Uses and Applications:

The present invention is encompassed within the health sector, in the field of orthopedic and rehabilitation devices.

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