

# Turny<sup>®</sup> Low Vehicle

**New** | A little help goes a long way.



Filling  
the void.







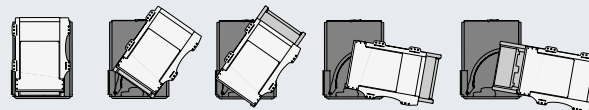
# Engineered for humans.



## Footprint installation

*Think of the space where the car seat is located as the children's toy where the idea is to put the shaped block into the corresponding hole. If you want you can squeeze some shapes through a different shaped hole but that is not a very effective use of space. The same applies to the Turny Low Vehicle, by utilizing the shape of the space we can also make use of that space where we need it the most.*

*For example one user benefit from this is a good seating position, away from the B-pillar, which in itself could be uncomfortable to have close to ones face, but also the roof is usually higher towards the center of the vehicle which gives us more head space.*



## ReXtension™

*The most common reason for not being able to put in a swivel seat or a seat lift is that there simply isn't enough space left for the end user when the product is in place. Turns out that there's quite a lot of space for a swivel seat in small cars, as long as you look in the right direction.*

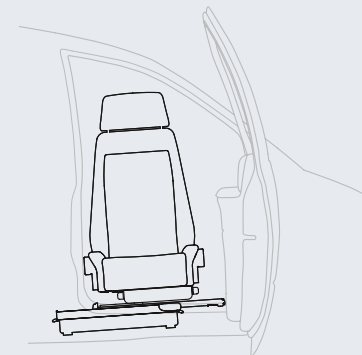
*The ReXtension™ of the Turny Low Vehicle works in layers that can move independent from each other. While one layer moves forward, the next layer can rotate and the third can move backwards. By programming the movement using previously unused space, we gain the space needed for the head, the feet and rotation.*

**THE TURNY LOW Vehicle** is a swivel seat that rotates and moves almost completely outside the vehicle, making sitting down or transferring from a wheelchair much easier.

It also features great improvements in user comfort and available head and leg space compared to other swivel seats.

The Turny Low Vehicle can be installed in many vehicles previously considered impossible to adapt, in fact you will be able to install it in almost any low vehicle.

In short, the Turny Low Vehicle fills the gap where a Turnout isn't enough and where a Turny Evo isn't suitable.



## Offset design

*A design philosophy introduced in the Turny Evo has been further refined and brought over to the Turny Low Vehicle. In essence it's about creating a space for the unit to pass as snug as possible to the curved bottom of the B-pillar.*





Into the great  
**wide open.**

Into the great wide open.



**WE CAN'T PROMISE** you blue skies but when transferring or sitting down in the Turny Low Vehicle the user can do so almost completely outside the vehicle. How far out does it go then? Well as you already know it's hard to be specific when it comes to vehicle adaptation but our aim is close to 40 centimeters out. This is based on research of types of uses of the Turny Low Vehicle and how far out the seat has to be. The specific use that benefits most from having the seat outside the vehicle is transferring by oneself from a wheelchair to the car seat, here 40 centimeters makes all the difference.





—the  
final frontier.



## What size shoes do you wear?

*In a comparison with the Turny Low Vehicle and the Turnout we could tell you that the space gained at the feet is 20 centimeters but you most likely won't get a clear picture in your head of how much that actually means. But if we were to tell you that the difference is about the same as the size of the feet of an average 9 month old and the average NBA player, you could see how that would be a big difference.*

Footwear Size	Child	Adult
EU Size	18	50
US Size	1	15
Metric	11 cm	31 cm

*Child average 9 month old. Adult average NBA Player.*



## Room for thought

*It may be debated whether Thomas Edison invented the first lightbulb, but we can all agree that the object itself serves as the symbol of an idea or a stroke of genius. Curiously enough the extra space gained by the Turny Low Vehicle in comparison to other swivel seats is enough to hold a levitating lightbulb above your head. In plain numbers that is roughly 6 centimeters.*





Comfort.

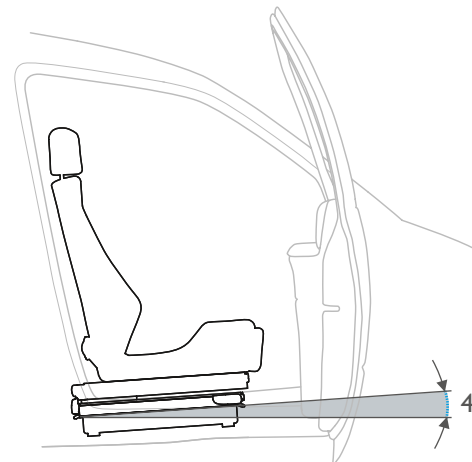


**WE LIKE TO** say that 4 degrees inclination gives 100 percent improvement. But why do we use these figures? Well the first one is easy. Turny Low Vehicle is installed at a 4 degree inclination to the vehicle floor. No other swivel seats are, but pretty much every vehicle seat from this side of the 1950's are. This inclination accounts for many benefits of the user experienced comfort when riding in the vehicle: pressure relief, extra head space and the ability to recline the seat without risking slipping forward. Riding in the vehicle is also where the user will spend 99 percent of the time in their seat.

The remaining percent is using the swivel seat to get seated. But if a seat is tilted backwards in the vehicle won't it be tilted sideways when swiveled out? Yes it will, and that's the good part. You see, the highest point in the front door opening of most vehicles today, no wait, ALL cars of today, lies where the B-pillar meets the roof. The 4 degree inclination places the user's head right at this point.



*Naturally the seat should be as comfortable as possible in the position in which it's used 99 percent of the time.*



*The benefits of a 4° inclination are so many and so obvious, we like to call it our version of the Egg of Columbus.*



Watch the new videos on  
<https://www.autoadapt.com/en/information/videos/>

Ready. Steady.  
Go!

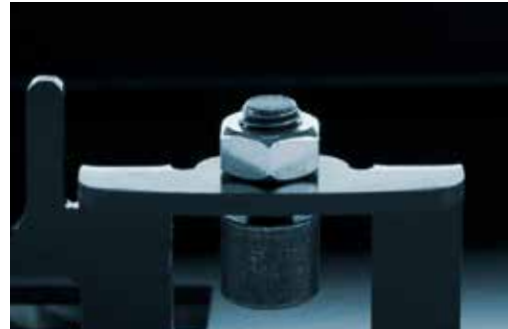






### Mounting

*The Turny Low Vehicle sits firmly in the vehicle attached to mounting brackets, tested and approved to the same requirement as the unit itself. The Autoadapt application department is constantly updating the list of available vehicle specific brackets. Visit Autoadapt Dealerweb to find up to date information and a list of mounting brackets.*



### Don't lose your nuts!

*Don't you hate it when you drop that small M4 nut into the inner workings of whatever device you're servicing? Well, we do too. That's why we made the screw to the top cover stay put after you've loosened it.*



### Simple service

*If there's a need to service the circuit box or any other of the electrical devices in the Turny Low Vehicle you can do so without removing the seat. Just run the Turny Low Vehicle to the furthest point forward and you will be able to access all of the serviceable parts.*

### Training

*A more detailed look at the installation process can be seen in the Turny Low Vehicle training video.*



*Watch the video on Dealerweb*

### One ring to rule them all

*Lifting the Turny Low Vehicle into place can easily be done by using the eyebolt. Simply screw the bolt into the threaded hole and lift in the eye with your lifting aid of choice. The Turny Low Vehicle will stay perfectly balanced at 4° for installation.*







# Crash. Boom. Bang!



**THE NOISES THAT** came from our pull test facility when we decided to do a full pull\* on the Turny Low Vehicle were the ones of metal twisting and joints breaking. When the dust had settled we could see that our pull test had been knocked out, but the Turny Low Vehicle was ready to go another round.

Additional testing includes successful crash tests in 30 G with a 103 kg dummy as well as the required 20 G with a 76 kg dummy. Naturally the Turny Low Vehicle passed our common endurance tests such as 20.000 full cycles with maximum load as well as tests in extreme temperatures as low as - 20°C and as high as + 60°C.

*\*) A Full pull in layman's terms is when you rig up all the pistons on the pull test rig to the subject and pull full force until something breaks.*

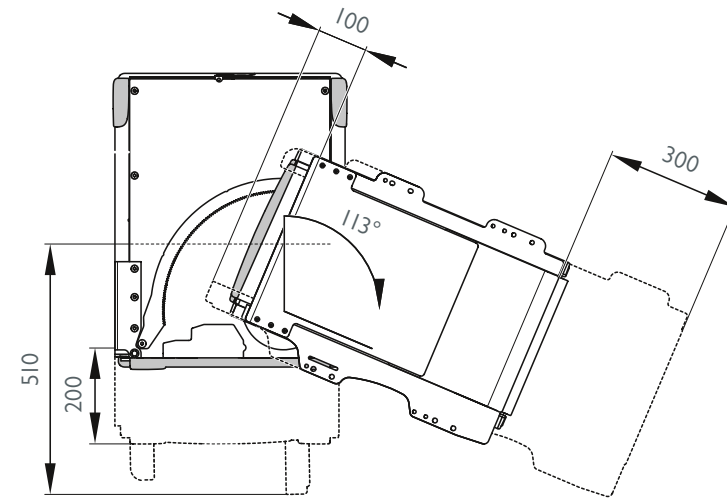
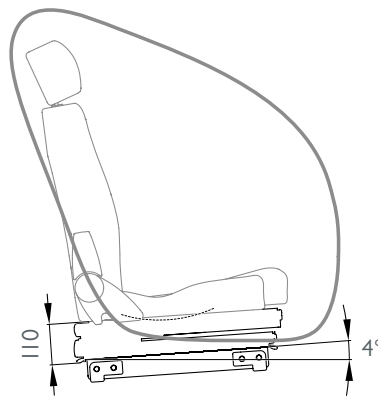
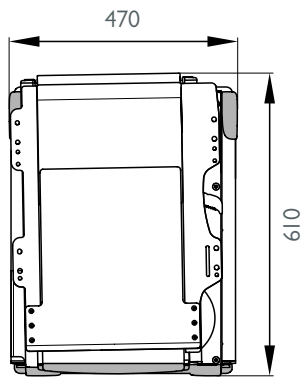


# Technical specifications.





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## Product Properties

Length .....	610 mm
Width .....	470 mm
Height .....	110 mm
Inclination .....	4°
Product Weight without seat and accessories .....	65 kg
Operating voltage .....	12V
Fuse .....	15A
Power consumption in sleep mode (door switch required) .....	0.8mA

## Product Performance

Lengthwise movement in programming mode .....	510 mm
Lengthwise movement in comfort mode .....	maximum 200 mm
Turn Angle .....	0–113°
Extension .....	300 mm
Reverse Extension, ReXtension™ .....	100 mm
Weight Capacity, including the seat and accessories .....	140 kg

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