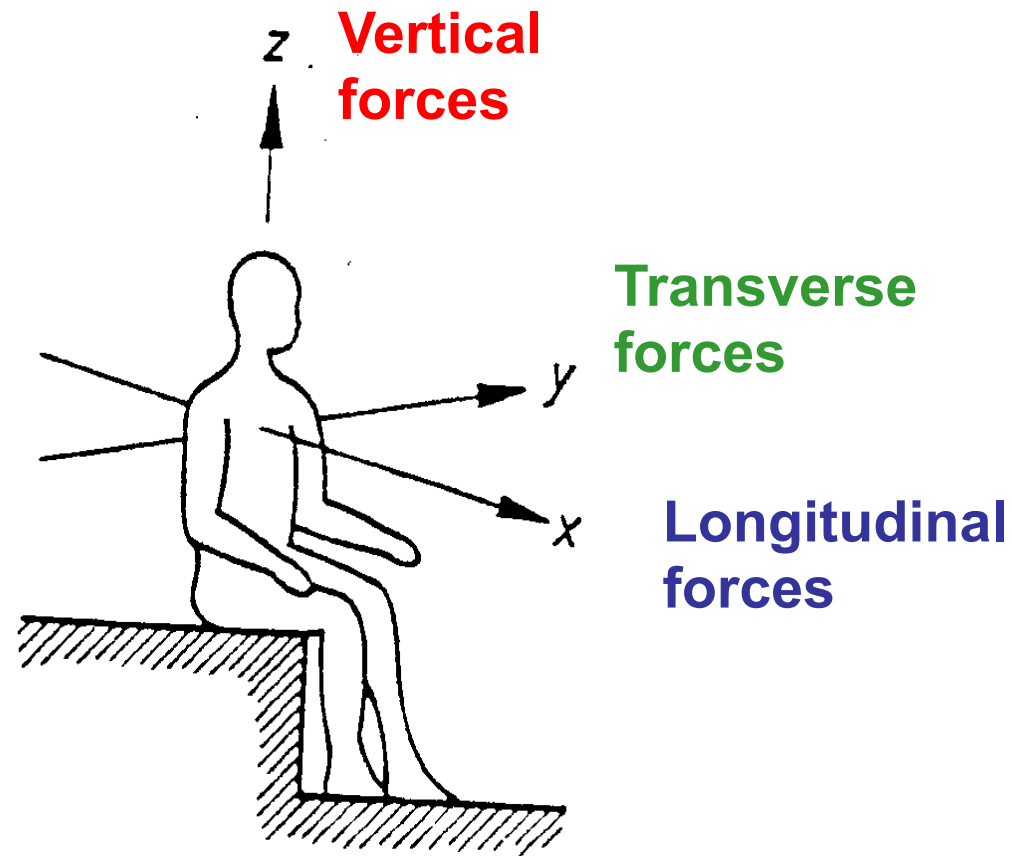




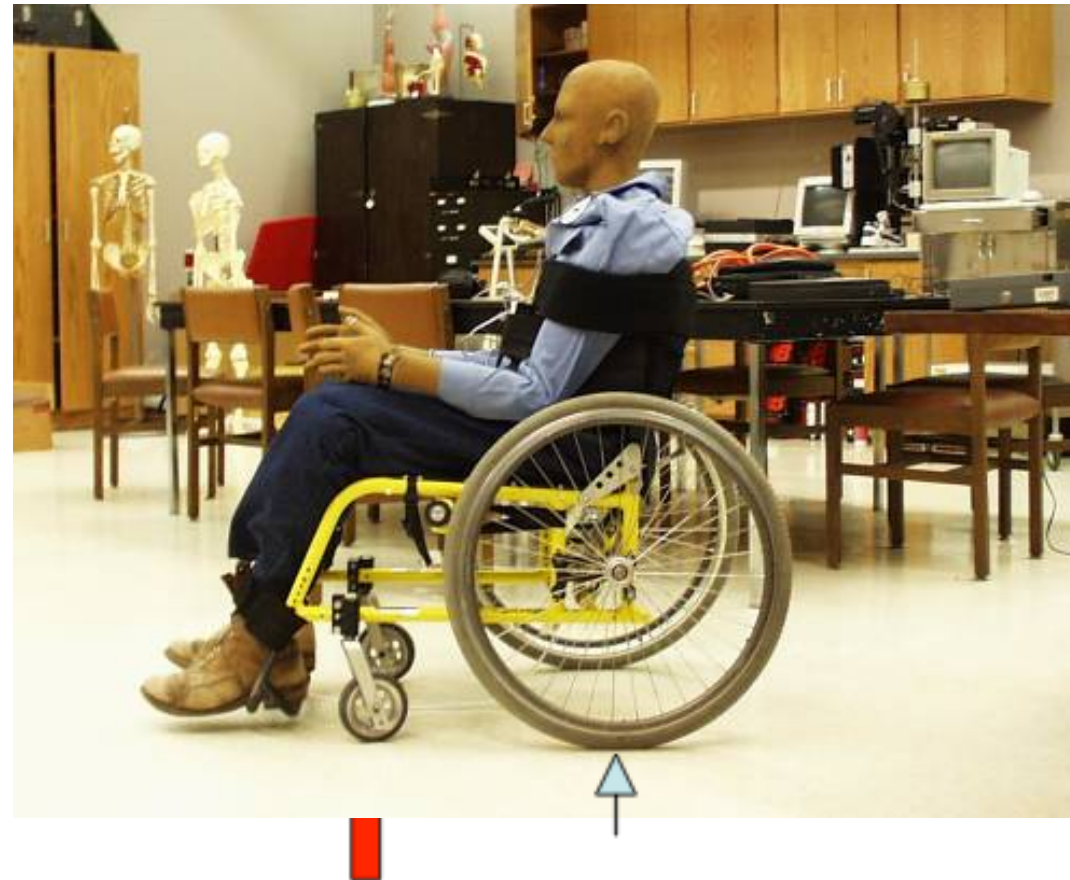
**ADVENTURE**



## Distribution of force resulting from shock and vibration:

Transfer of force either through front or rear wheel:

- Into the frame
- Into the seat and seat upholstery
- Into the user



**ADVENTURE**

## Effects of vibration on the entire body:

(depending on the frequency)

- General unease
- Headaches
- Respiratory difficulties
- Chest pains
- Speech difficulties
- Deterioration of sight
- Rectal irritation
- Inflammation

Source: Research by German health insurance company IKK

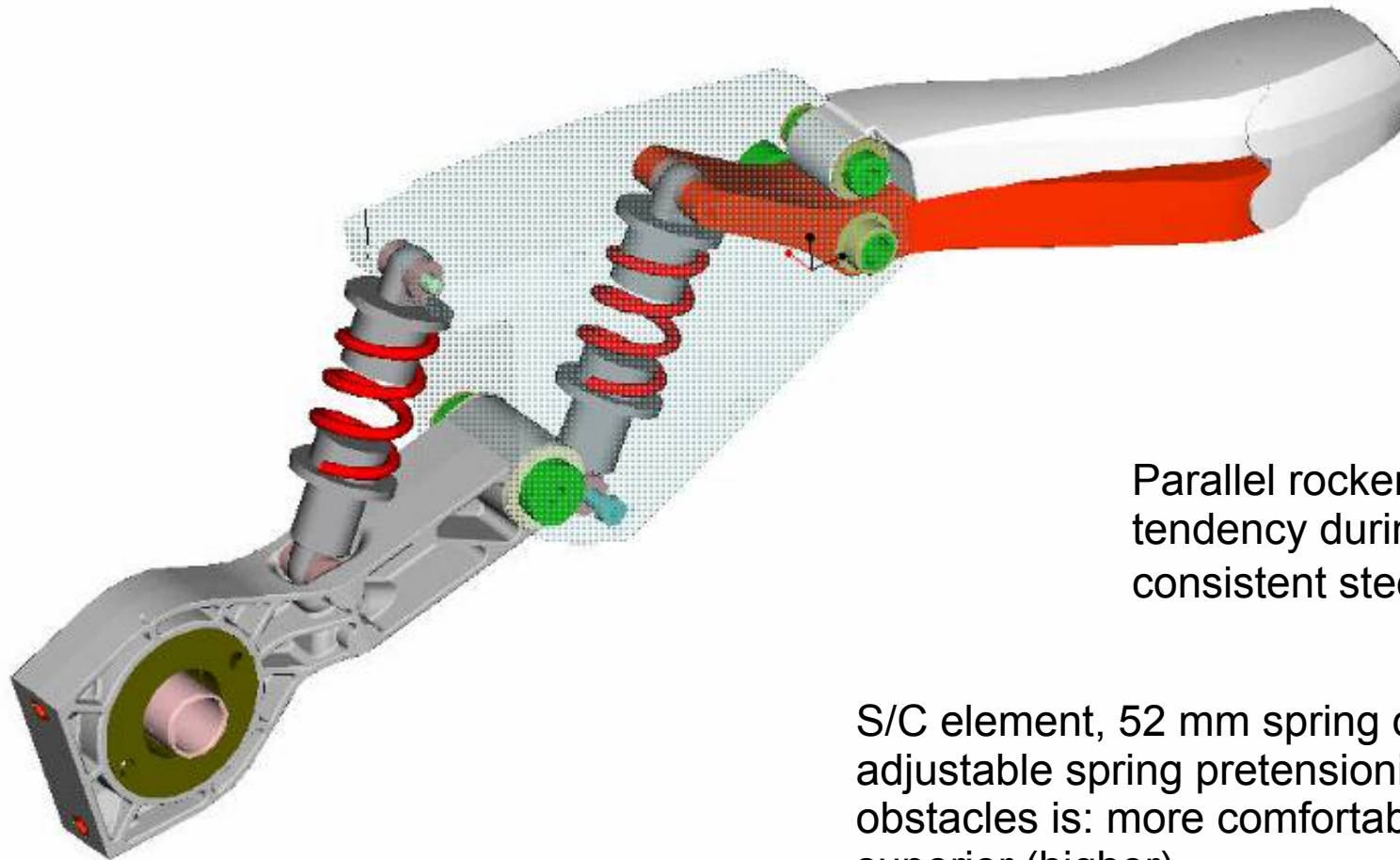
Vertical vibrations over many years damages the lumbar spine

- Causes Spasms

**ADVENTURE**



**ADVENTURE**



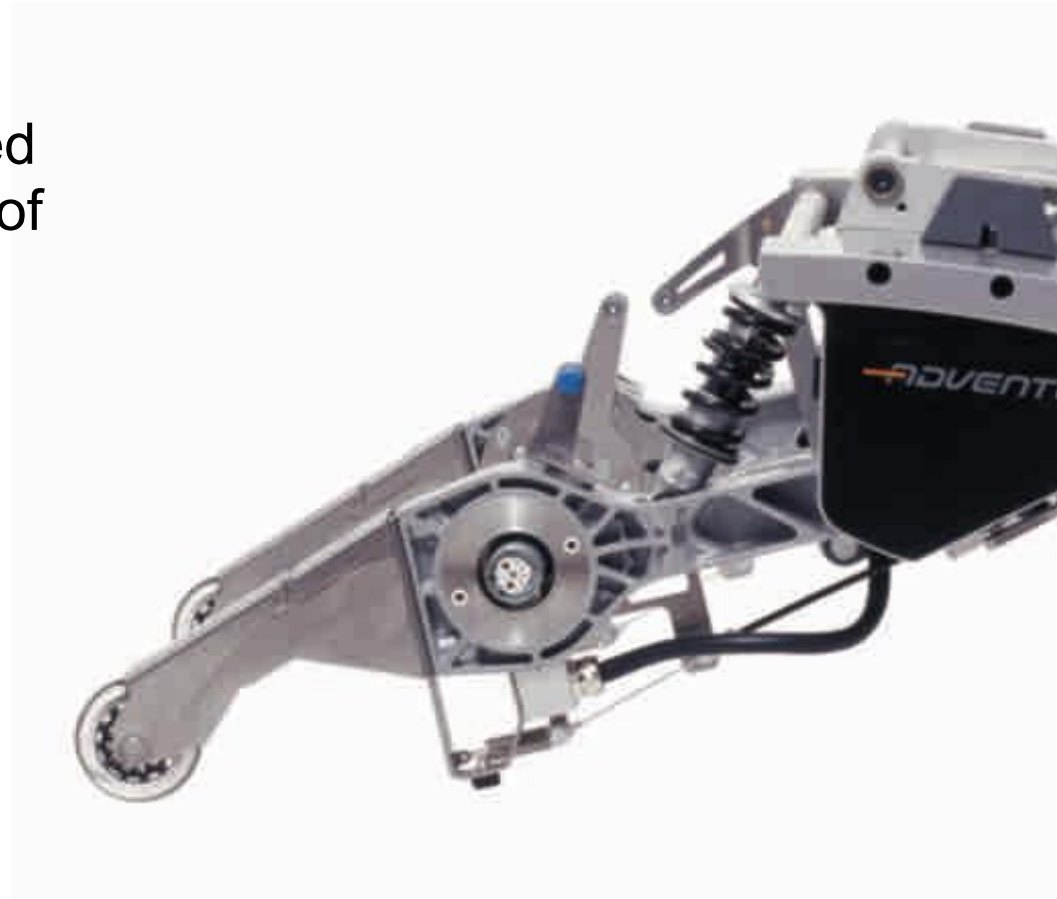
Parallel rocker: low pitching tendency during braking, consistent steering angle

S/C element, 52 mm spring deflection, adjustable spring pretensioning. Negotiating obstacles is: more comfortable, safer, superior (higher)

Rear wheel rocker with S/C element. Optimally located beneath centre of gravity

**ADVENTURE**

Optimum S/C element articulation (as it is located directly below the centre of gravity point)



**ADVENTURE**

## POINT 1

**Important: Choose the correct spring!**

Alber offers 3 different spring hardnesses:

Spring (colour coded)	Occupant weight
Blue	up to 80 kg
Black	81 – 120 kg
Red	121 – 140 kg

Important for optimum

- comfort
- traction
- stability

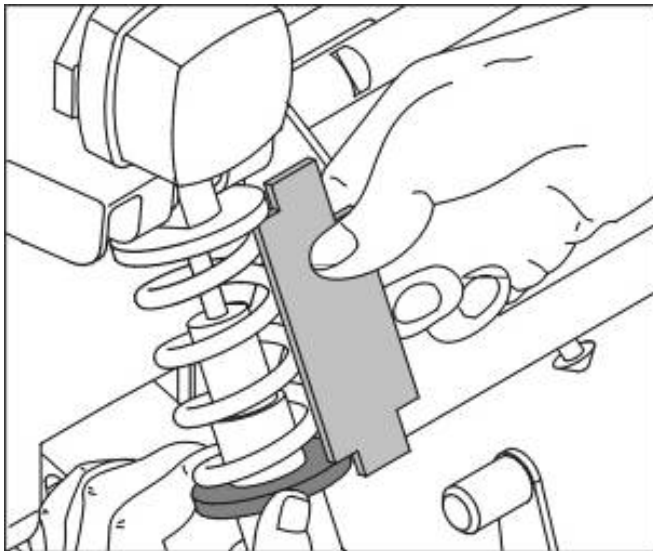
Occupant weight on Prescription form

**ADVENTURE**

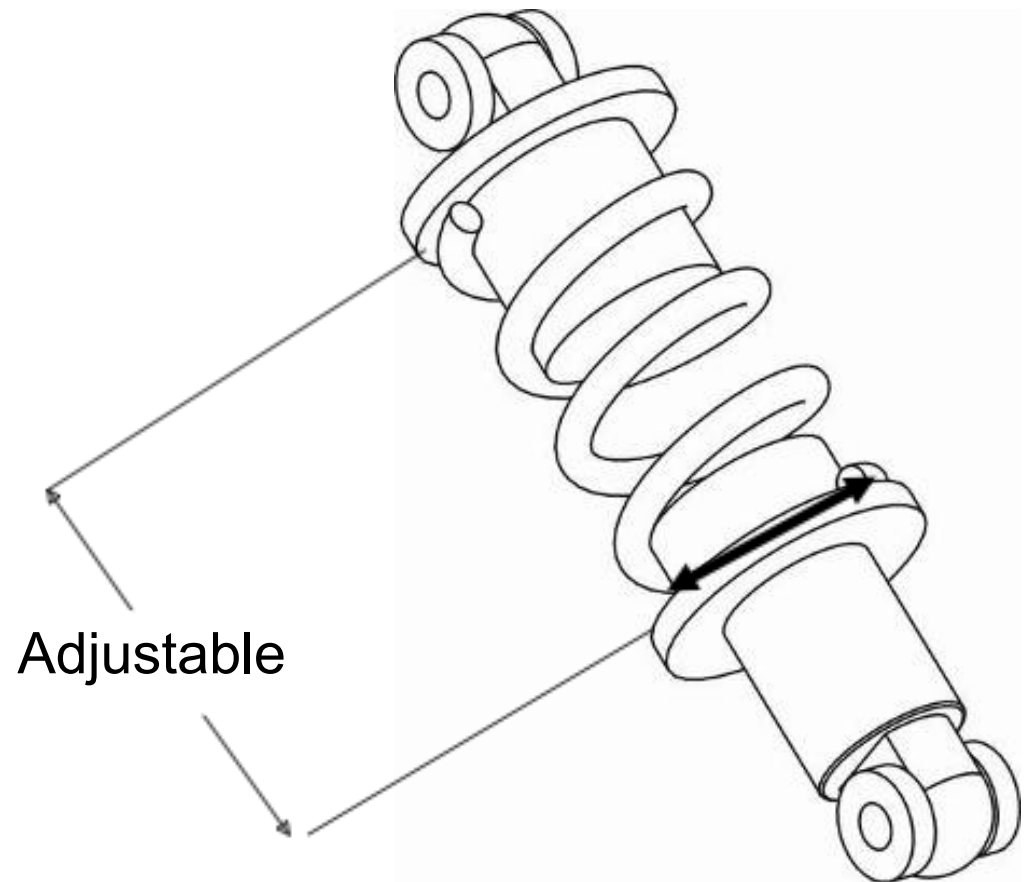


## POINT 2

### Spring length adjustment!



Adjusting the length with the spacing template (accessory)



## **Parallel-articulated front wheels**

Advantage: Minimum brake pitching

Steering wheel remains stable on uneven terrain

## **Broad track and long wheel base**

Advantage: Static stability

Traction (chassis maintains ground contact)

**ADVENTURE**



**ADVENTURE**

# Adventure A10 – Modular structure



**ADVENTURE**

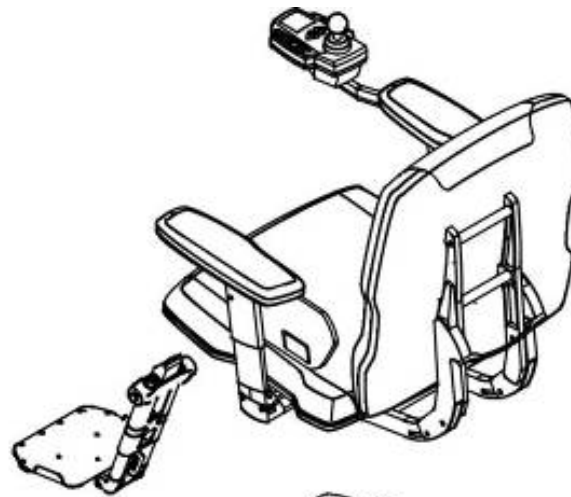
# Adventure A10 – Fits into every car



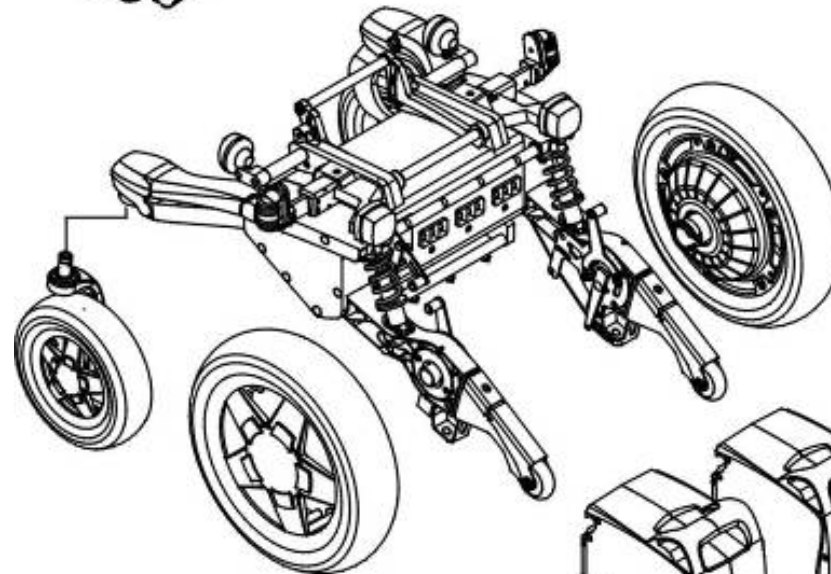
**ADVENTURE**

# Adventure A10 – Overall weight 95 kg

Seat unit  
13 kg



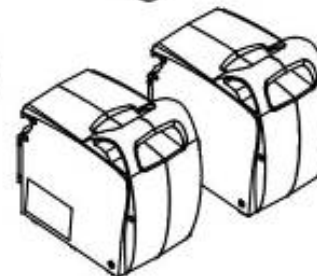
Chassis  
26 kg



Wheels  
11 kg each

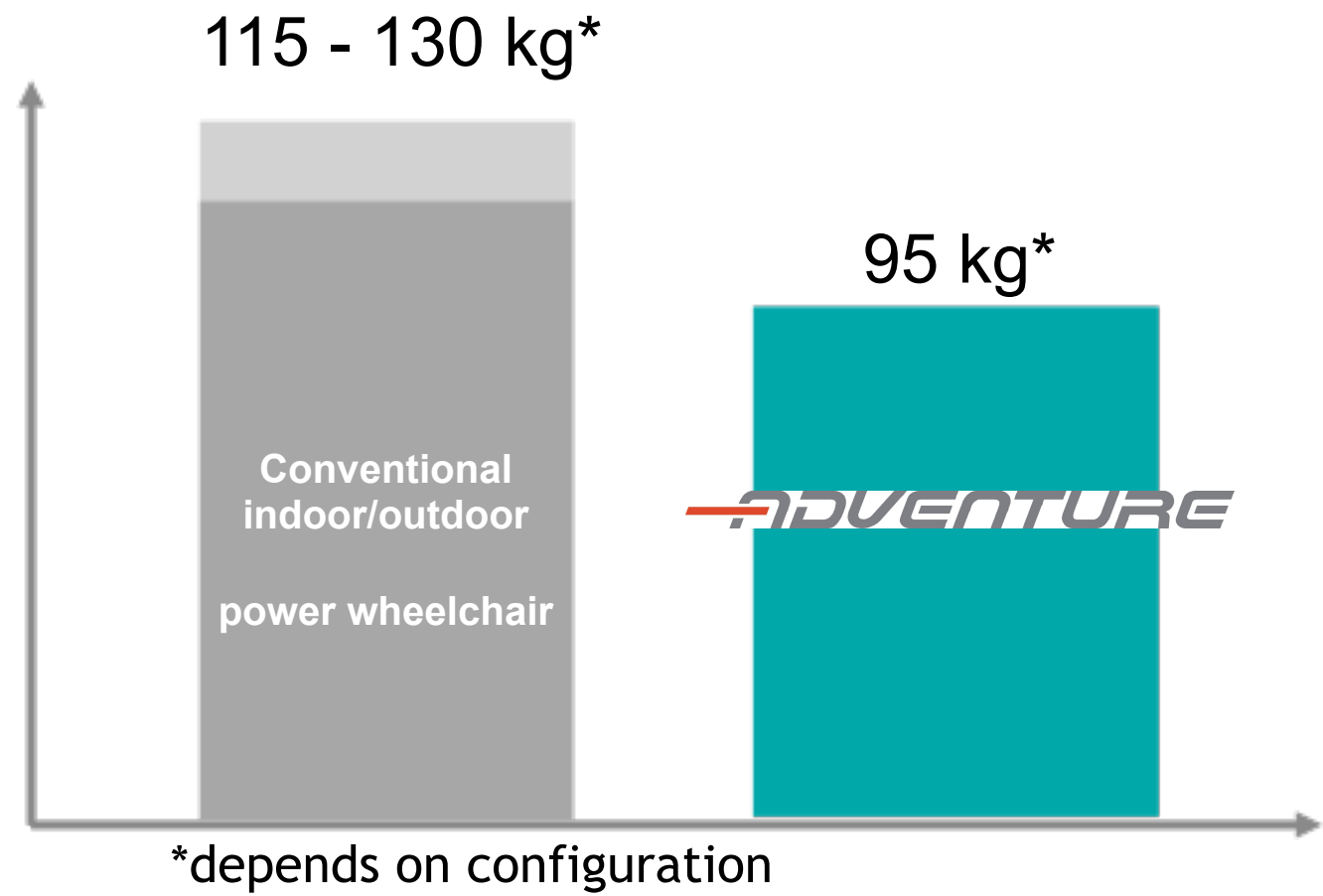
Battery pack  
15 kg each

Steering wheel  
2 kg each



**ADVENTURE**

Overall weight in kg



- Simple and quick component exchange for servicing
- Simple diagnosis of faults or control errors via the control unit/diagnostic system “telephone repair“
- Programming without external programming device
- Flexible structure of bucket seats
- Rapid and inexpensive repair for the entire service life of the product (logistic costs, repairs)
- Flexible re-use – the chassis forms a uniform platform for re-use

ADVENTURE

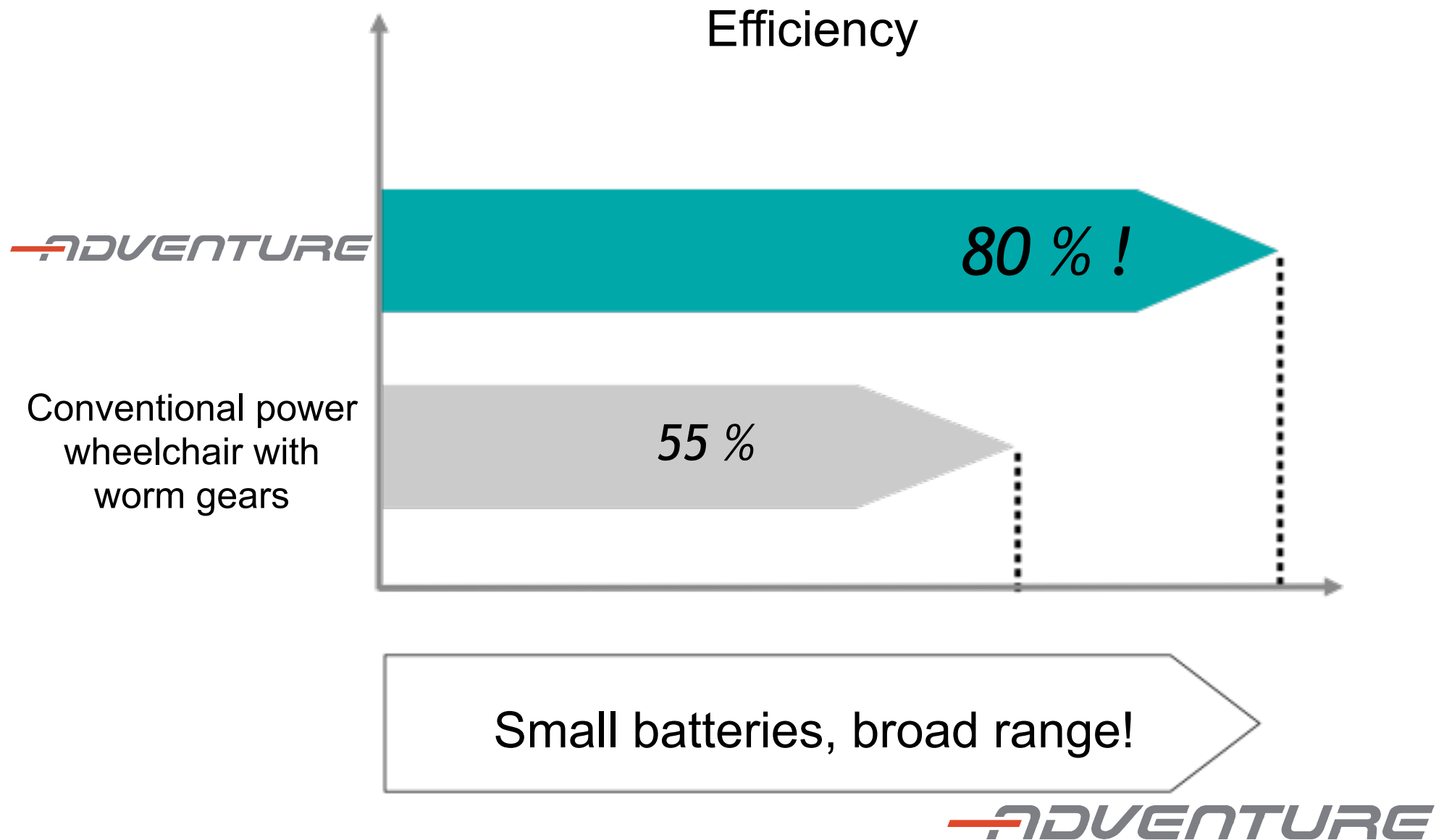


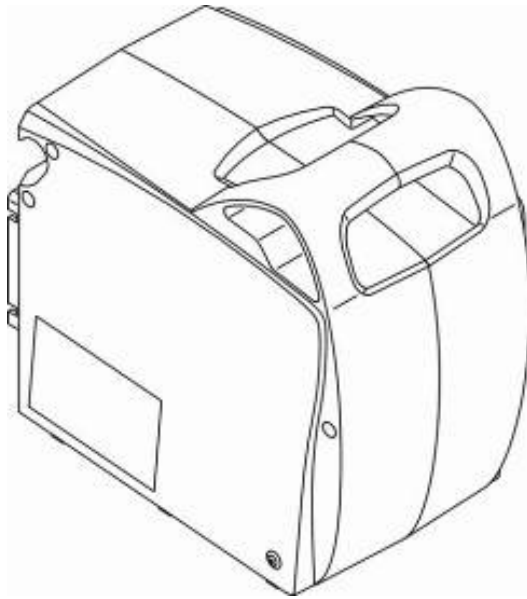
- Range: up to 45 km
- Max. user weight: 140 kg
- Max. speed: 6 km/h, 10 km/h or 12 km/h
- Max. slopes: 18 %
- Total weight: 96,7 kg



# Adventure A10 – Technical data

	6 km/h	10 km/h	12 km/h
Climbing capacity with 140 kg load	18 %		
Type	Brushless direct current motors		
Gear type	Two-stage planetary gears, maintenance-free		
Max. wheel torque	50 Nm	40 Nm	40 Nm
Power output of each motor	110 Watt	183 Watt	220 Watt
Peak output of each motor	475 Watt	620 Watt	750 Watt
Drive shaft speed	1,000 RPM	1,700 RPM	2,000 RPM
Brake system	Eddy-current brake with power recovery, electromagnetic spring-loaded brake		
Versions	Coil & electronics different to 10 + 12 km/h version	Hardware identical difference in speed is controlled by software	





- Range 45 km (2 storage batteries)
- Weight 15 kg
- Maintenance-free lead/gell cells
- Life expectancy 2 years

**ADVENTURE**



Runs on one storage battery . . .  
(6 km/h version)

Advantage: less overall weight or  
occupied weight



Or with 2 storage batteries . . .

Advantage: reserve system  
(one storage battery pack takes over  
the task of the other if the other  
should fail!)

**ADVENTURE**

Raised surface in the tyre middle facilitates on-the-spot rotation and quiet running on level surfaces

Studded profile for traction on soft ground (grass, etc.)

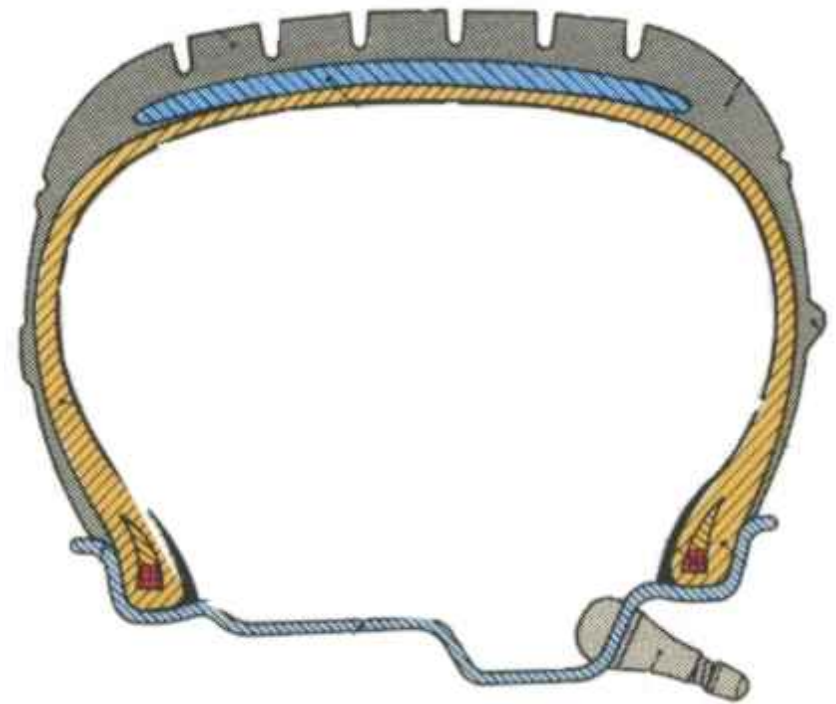
Recommended air pressure:  
2.5 bar (50 PSI)



**ADVENTURE**

Tyres consist of 4 layers of different plastic materials (higher puncture protection).

Pneumatic tyre ensures that minor vibrations are absorbed (comfort)



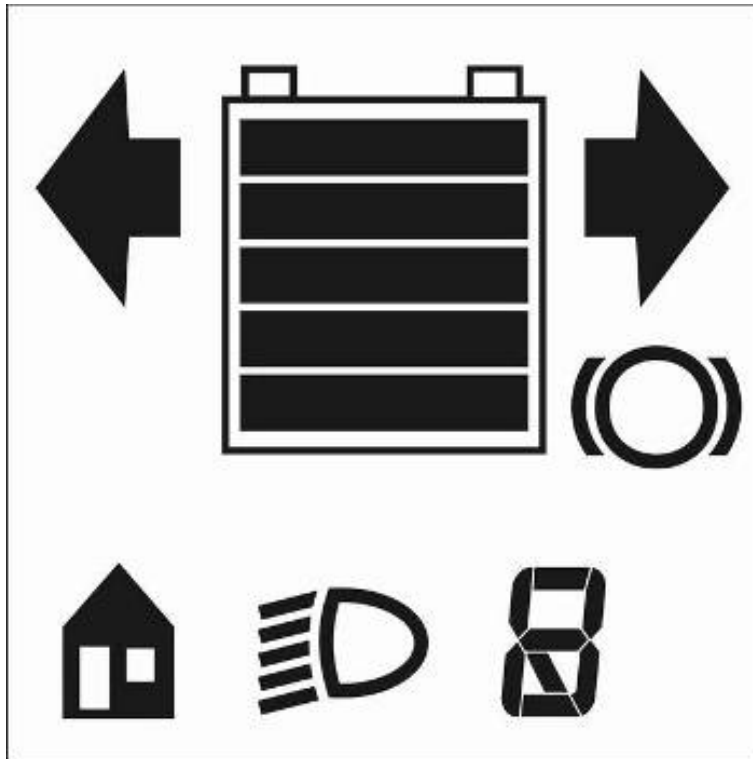
**ADVENTURE**

- Can be fully programmed with program key
- Twin-layered LCD display for more information in limited space
- Drive away lock with magnetic key
- Diagnostic system for simple detection of (control) errors



**ADVENTURE**





Level 1 – Primary functions



Level 2 – Diagnostic functions

Parameters can be adapted to user requirements directly via the control unit:

- Maximum speed forward/backwards
- Acceleration time/slow down time
- Turning speed/turning acceleration
- Accoustic signals on/off
- Braking onset
- Auto shut off
- Joystick sensitivity
- Direction of joystick
- ...



**ADVENTURE**

## 1. Function seat

Numerous adjustment options

2 seat widths (38 – 44 cm and 44 – 52 cm)  
with contour upholstery

## 2. Recaro Seat

backrest manually or power adjustable  
available in 3 sizes  
drapery cover

## 3. Adaption of special seats

**ADVENTURE**

# Adventure A10 – Available accessories



**ADVENTURE**

- pelvic support
- safety belt
- kerb climber
- remote on-off-switch
- foot belt
- luggage rack
- hand support
- head rest
- off board charging unit
- remote charger plug
- tray table
- calf support
- lateral supports
- tie-down system for public transport
- rear view mirror
- joystick options
- push handles
- swivel arm for joystick
- seat height adjustment
- mechanical seat tilt
- mud guards
- cane holder
- protection bumper for control unit

- external interface
- powered seat tilt
- adaptation for custom backrests (Jay, Varilite...)
- side pockets
- attendant control
- **snow chains** (winter)
- adaptation for special seats

Patrick Oeffner: „It is really amazing what the wheelchair is able to do. It manages even rough terrain“

Günther Kensik: „Can you imagine my wheelchair-mates‘ faces sitting in their old, conventional chairs seeing me driving by in my brand new adventure“



Joachim Heinrich: „I‘m proud having this wheelchair. A dream came true for me. The wheelchair is called adventure and I can say from my own experiences that you really can have adventures with it“

**ADVENTURE**





Günther Vestweber: „I'm an extreme wheelchair driver with up to 6.000 km per year. After giving the adventure a test I must say the fully suspended chassis is exactly the thing I need“

Joachim Heinrich: „I can take the wheelchair in peaces easily that gives me the opportunity to transport it in my car“

**ADVENTURE**

Günther Kensik: „I learned about the advantages of the adventure very soon driving outdoors“

Hubert Böhr: „Driving with 6 km/h on uneven underground normally causes spasms with my body. The springs at the adventure are that good, that I do not have such disorders.“



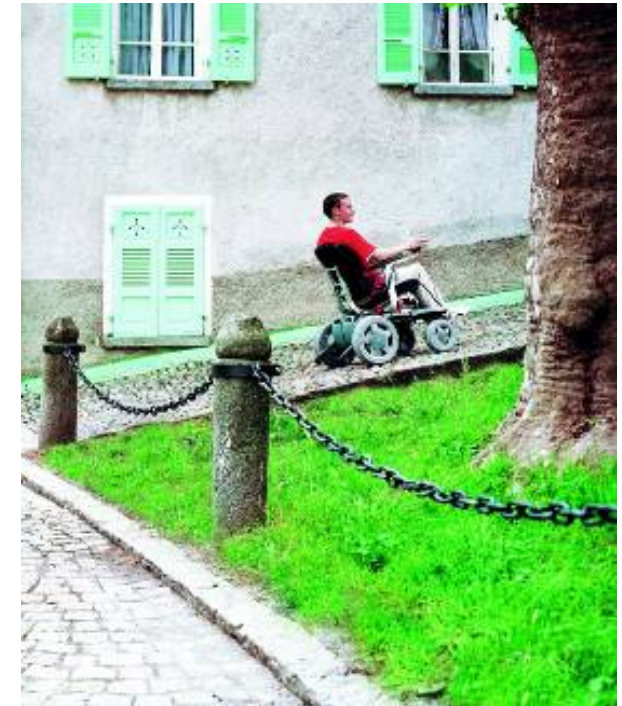
**ADVENTURE**



**ADVENTURE**

## Modular four-wheel suspension power wheelchair

- Suspension    Therapeutical benefit
- Suspension    Good driving characteristics
- Modularity    Easy transport and service



**More driving comfort. More Safety.**

**ADVENTURE**

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- Email: [staylor@invacare.com](mailto:staylor@invacare.com)
- Customer Service Contacts 01656 776222
- Kerry Thompson ext 372
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- Kerry Moyle ext 382
- Email: [kmoyle@invacare.com](mailto:kmoyle@invacare.com)

Transportable

User friendly

Versatile

