

# Concept<sup>®</sup> - COMFORT SEAT



## Functional Description

A feeling of comfort is generated due to the embedding of the body in the major contact areas.

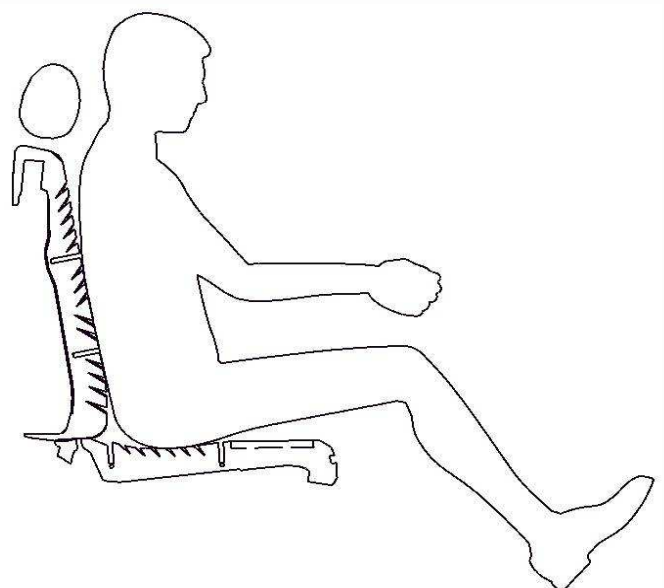
The seat, however, can limit our freedom of movement and cause unnatural movement patterns.

The comfort seat is based on the findings from sports medicine, where not the form, but the function of the seat stands in the foreground. Therefore, our seat is aligned so that optimal movement techniques are encouraged, positively influencing our health and comfort.

The seat contours have a pro-prioceptor effect, meaning that the seat initiates movement sequences resulting in a more relaxed posture.

## Development Partner:

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## Headrest:

- ✓ Headrest made of point-elasticity absorbability foam
- ✓ Headrest with bolster function in order to relieve the cervical spine

## Backrest:

- ✓ Backrest contours act as a static relief for the upper body:
1. Avoids rounding of the back due to point elasticity and relieves the shoulders
  2. The backrest is curved in the ribcage area allowing for unrestricted breathing
  3. Rotation movements of the thoracic spine are supported
  4. Movement guidance from bending, stretching movement to rotation movement
  5. Cushioning enables active Kyphosis of the lumbar spine despite lumbar sacroiliac support
  6. Side guidance of torso – thoraco-lumbar

## Seat area:

### A) Side Cushioning:

- ✓ enhances the comfort of the seat
- ✓ Relieves the muscles that are tensed due to the active posture

### B) Thigh Support Area:

- ✓ Enables easier leg movement due to adjustable point-elastic support areas
- ✓ Soft cushioning aids pressure distribution and freedom of movement in the legs

### C) Seat:

- ✓ Active cushioning of the seat for relief of the spine via movement guidance
- ✓ Impact is channeled into the elastic ligaments and tendons of the back muscles via wedge combinations, which due to their elasticity dispense the forces, almost without fatigue
- ✓ The individual adjustable incline of the seat modifies the pelvic position. Thereby the lumbar spine moves into the desired Kyphosis or lordosis. Kyphosis is the function position. Lordosis is the relief position of the spine.

