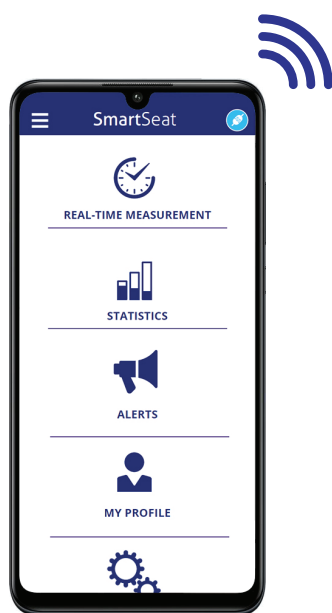




Measure for your health



A SmartSeat is an intelligent office chair with sensors that provides the most ergonomically favorable seating position, is able to send feedback to the user about his posture and makes suggestions for correcting any errors.

www.SmartSeat.eu

SZÉCHENYI 



HUNGARIAN
GOVERNMENT

European Union
European Regional
Development Fund



INVESTING IN YOUR FUTURE

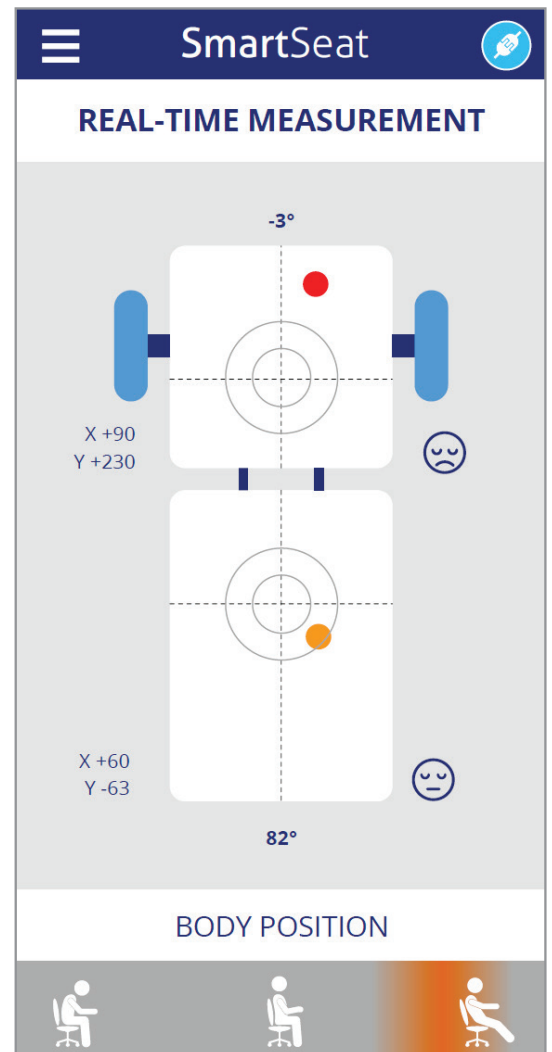
MOBILE APPLICATION

Real-time assessment of seating position

The values of 4-4 measuring cells located on the seat and back of the chair are transmitted to the mobile phone via the Bluetooth connection of the chair. The telephone application does not display the raw weight data to the user, but displays the center of gravity calculated from the sensor data with a moving point each on an interactive visualization interface corresponding to the seat and backrest. From these two positions, or their relative positions, the user's body position can be accurately determined and bad posture can be identified.

On the stylized seat and backrest, the application indicates the reference areas with two circles.

- If the center of gravity is located within the inner circle, the user sits in an optimal body position.
- If the center of gravity is inside the outer circle but outside the inner circle, then we can speak of a moderate posture.
- If the center of gravity is outside the outer circle, the posture is bad, the user must adjust his posture.

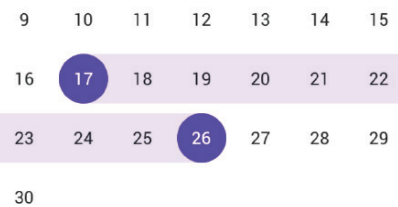


Long-term statistics

Long-term statistics are used to map the user's work-related habits. The test period can be specified by selecting the start and end dates.

- How many hours per day does the user spend sitting?
- In what proportion does the optimal, tilted or reclined body position occur?
- Asymmetry - Displays the aspect ratio
- The Sitting map shows the most common locations of centers of gravity.

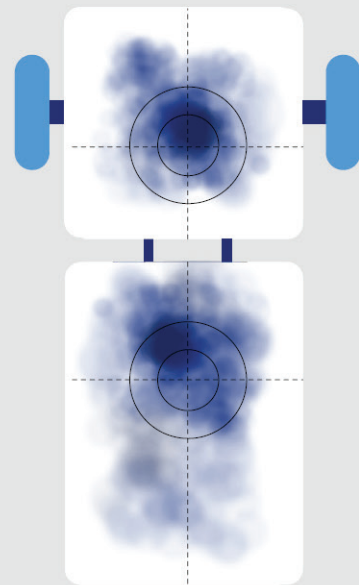
The Sitting map depicts the most common positions of the centers of gravity in a depth map.



SITTING TIME

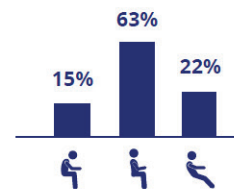
Overall time: **56 Hours**
Daily average: **6,56 Hours**
Daily min: **4 Hours**
Daily max: **11 Hours**

SITTING MAP

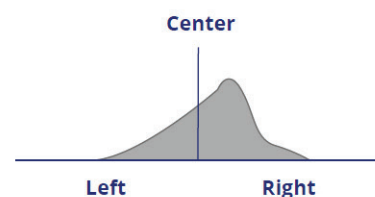


Good: **76**
Medium: **20%**
Bad: **14%**

BODY POSITION

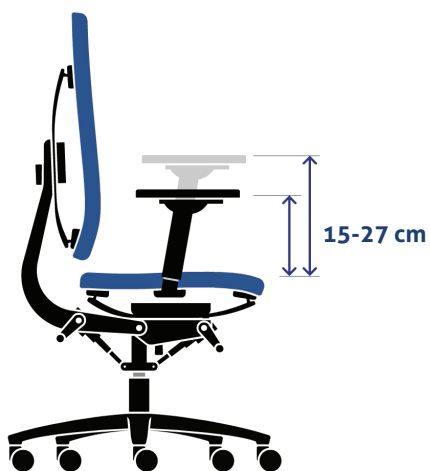


SIDE LEAN

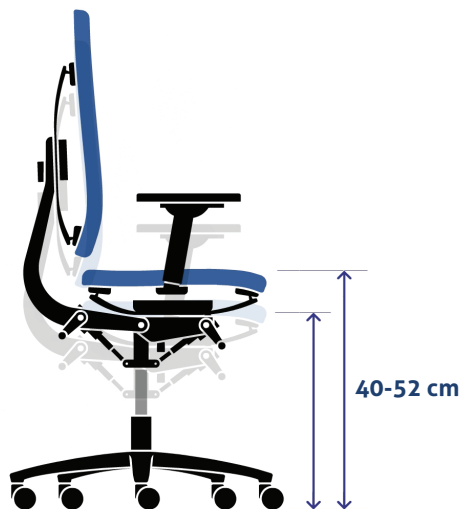


Left: **5%**
Center: **70%**
Right: **20%**

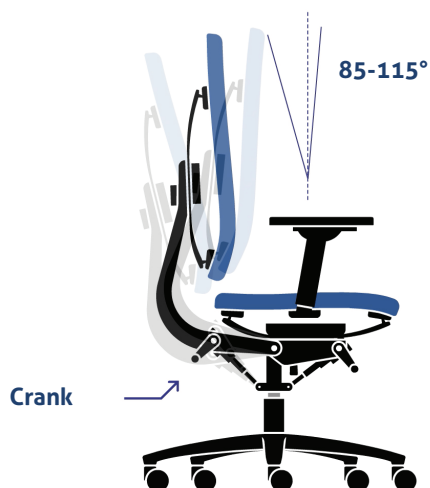
SETTING OPTIONS



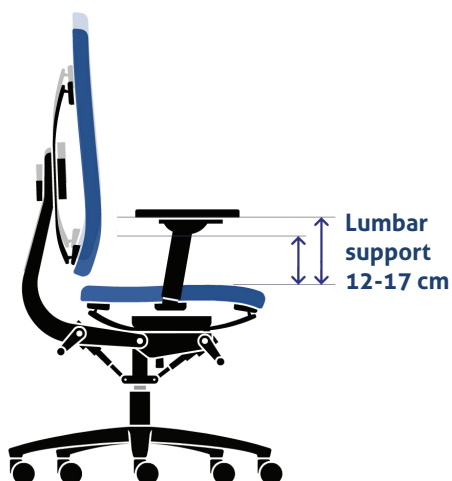
1. ARMREST HEIGHT



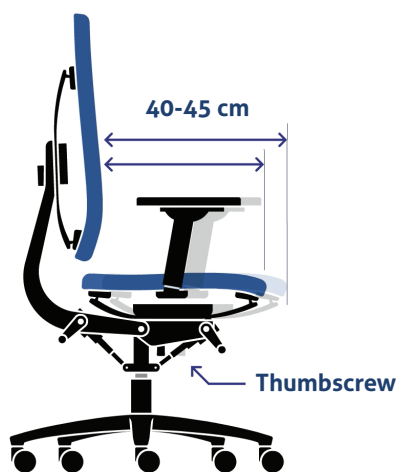
2. HEIGHT ADJUSTMENT



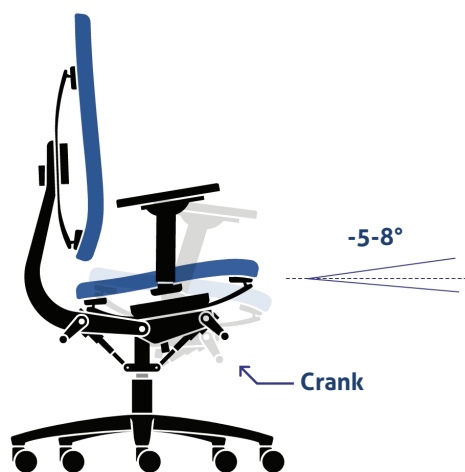
3. BACKREST TILT



4. BACKREST HEIGHT



5. SEAT DEPTH



6. TILT SEAT