

WAKEMATE

An adjustable seat
for handicapped wakeboarders

The problem

Sitwaking and sitkiting target individuals with a physical disability that are unable to stand; with spinal cord injuries (SCI), cerebral palsy or muscular diseases. With the use of a sitwake, they are still able to practice the sport. However, the problem is that currently, schools or parks that want to offer the possibility to sitwake must buy seven different seats for beginners with different anthropometrics. This is often too big of an investment, especially since the target group is relatively small. Furthermore, looking at the market standard, the time to switch seats for different users is perceived as too long.

The solution

Wakemate is a seat for sitwakeboarders and sitkiters that is adjustable in width. Users rotate a knob which is reached with a specific tool to set the correct size for an optimal fit. This way, the adjusting time decreased drastically. Handles on the side provide the opportunity to easily alter the posture of the user. The design is sustainable, it is optimized for repair and by extending the lifespan. The design contributes to lowering the threshold for handicapped people of learning a new sport.



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Integrated Product Design

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