



## CHAIR AN UNDULATING CHAIR FOR USERS WITH LOW MOBILITY

The product will be a chair that can be lowered to the floor, allowing users with mobility and back issues to get on the chair. It can be raised by the user allowing them to reach any position; with the support of the chair. This aids in getting around the house and reaching low and high objects.

# OVERVIEW



**SLIDING RAILS:**

The back of the chair is mounted on sliding rails which mount directly to the frame. This means that when the chair is lowered, the back rest also lowers. When fully lowered, the chair is 1.2 meters in length.

ii

**RANGE:**

The chair is able to extend from 18cm off of the ground in its lowest position all the way up to 77cm in its most erect position

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i

**POSITIONABLE ARMS:**

The armrests are mounted on rotating brackets which allows their height and position to be adjusted

iv

**AMBIDEXTERITY:**

The hydraulic jack can easily be mounted on either the left or the right hand side of the chair to suit an individual user's needs

# EXPLODED VIEW





**CUSHION RAMP:**

In order to aid users with more restricted mobility to access their chairs, a ramp cushion provides an easy way for individuals to manoeuvre themselves into place from the floor. This can also be used as a backrest at lower chair heights. Ramp height is 10cm-18cm.

i

ii

**STORAGE SPACES:**

The tops of the armrests open up revealing large storage bins. This allows users to keep objects to hand reducing the need for them to manoeuvre themselves to access items

# STORYBOARD



## 1 | Lower the seat to the ground

By twisting a dial on the hydraulic jack, the chair will begin to slowly lower until the dial is turned back.



## 2 | Mount the chair

The arms can be moved forward allowing a user to push themselves up onto the chair.



## 3 | Reposition the chair

Using the hydraulic jack, users can raise the chair's position all the way up to a countertop.

**CHAIR**  
Independent Assisted Seating

