



A world of Ergonomic Chairs

**WESTECH**  
HEALTH CARE LTD.



Activity chairs at home, school, and the work place.

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## Ergonomics and safety

VELA develops chairs for people to be able to maintain a high level of activity and self-reliance.

Through collaboration with therapists and eighty years of expertise in ergonomics, VELA offers a wide selection of ergonomic chairs that supports activity throughout the day. VELA offers chairs for kids, young people, adults and elderly people with disabilities. We also offer basic chairs and stools for caregivers, therapists and assistants. Through ergonomics, the VELA chair contributes to independency, activity, better work environment as well as comfort and safety for people with disabilities, their assistants and therapists.

Chairs from VELA contribute to an easier day for people with disabilities. VELA offers ergonomic chairs, fitted for, e.g., specific work tasks, functions and for people with special needs. The chairs are easy to adjust and the ergonomic designs of e.g. seat, backrest, armrests and various accessories contribute to a safe and healthy work position.

## Advice on ergonomics

Good ergonomics is important for people with disabilities, since many activities take place while sitting, and important for assistants and therapists in relation to work, e.g. for support, help or training.

1. Good ergonomics is not one specific sitting posture, but variation in switching between using a work chair, easy chair or maybe a wheelchair.
2. A sit-stand chair, e.g. with a brake, relieves and stabilises a standing work position and gives possibility to change between a sitting and a standing work position.
3. Use the chair's seat and backrest adjustment options to vary your sitting posture – move and change position in relation to your work tasks.
4. Move the chair close to the task and avoid postures where you have to stoop and strain your back or your neck.
5. Use the chair's height adjustment and seat tilt to avoid working with lifted shoulders and arms. The height adjustment also facilitates the helper's work during transfers.



Assistive technologies can make a huge difference in the everyday life of people with disabilities, as they enable execution, activity and participation in everyday activities. This applies to the VELA Chair, a device developed by VELA in the 1970s. VELA has become popular in many homes by providing people with disabilities with greater independence.

The VELA Chair's reason for being is the same as it was back in the 70s: the central brake of the chair that provides safety and liberty to perform various activities. At the same time, the VELA Chair is a mobile chair with smooth-running wheels that allow the user to walk the chair around in a seated position.

A VELA Chair is available with manual or electrical height adjustment. The electric height adjustment reduces inconvenient and painful impacts and shocks when moving. Furthermore,



the electrical height adjustment also supports people who are exhausted or with reduced balance and power in the legs to mobilise themselves from a sitting to standing position.

On the following pages, concrete benefits from users and care providers are described from their perspective based on everyday activities at home.



## A VELA Chair provides self-reliance/ independence in relation to:

	Mobilisation and transferring ✓
	Increased Reach ✓
	Cooking ✓
	Refrigerator ✓
	Top cabinet ✓
	Dishwashing ✓
	Laundry ✓
	Hanging up laundry ✓
	Ironing ✓
	Personal hygiene ✓
	Toilet Visits ✓
	Closet ✓
	Dressing ✓
	Watering plants ✓
	Cleaning ✓
	Vacuuming ✓



# Home - Activity chairs

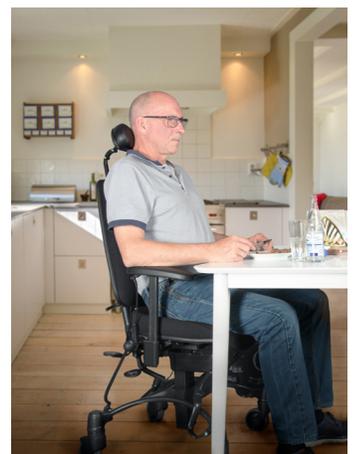


**Kitchen work** Daily activities in a kitchen such as preparing food, making coffee for yourself and your guests are fundamental to most people. Kitchen work mostly takes place while standing and requires precision, strength and stability, for instance when chopping vegetables or slicing bread.

**Sedentary work** Being able to carry out daily chores at home independently, without relying on help from others, gives most people quality of life and a meaningful existence. Chores such as ironing, vacuum cleaning, cooking and doing the laundry require good balance and stamina, which are not a matter of course for everyone.

## Finding the right chair

VELA has many years of experience of finding just the right chair, so people with disabilities can maintain their activity level in the home and remain as independent as possible. VELA has several types of customised chairs with seats and backs in different sizes, so it is possible for the user to achieve a comfortable, active and ergonomic work posture.





Work Chairs have four smooth running wheels and an unique central brake, providing a safe and stable work space.



### VELA Tango 100

VELA Tango 100 is a customised chair with low backrest, which provides good lumbar support and free movement of the back, shoulders and arms.



### VELA Tango 100 with arthrodesis seat

VELA Tango 100 with arthrodesis seat is a customised chair with two-part, adjustable seat surface, which is designed for people with amputated legs or stiff hip joints.



### VELA Tango 200

VELA Tango 200 is a customised chair with a larger seat and a higher backrest with extra lumbar support compared to the VELA Tango 100 model.



### VELA Tango 200EI

VELA Tango 200EI is a customised chair with electric height adjustment and a higher backrest and extra lumbar support compared to the VELA Tango 100EI model.



### VELA Tango 300 - Bariatric chair

The VELA Tango 300 is a bariatric chair designed for increased user weights of up to 200 kg (440.9 lb).



### VELA Tango 300EI - Bariatric chair (Electric Lift)

The VELA Tango 300EI is a bariatric chair with electric height adjustment designed for increased user weights of up to 200 kg (440.9 lb).



### VELA Tango 500

The VELA Tango 500 is the latest development in customised chairs with a revolutionary, two-part ALB backrest.



### VELA Tango 500EI

VELA Tango 500EI is the latest development within customised chairs with electric height adjustment, and a revolutionary, two-part ALB backrest.



### VELA Tango 510

The VELA Tango 510 is the latest development in customised chairs. In addition to an active sitting posture, the chair provides relief and a good resting position during the day.



### VELA Tango 510EI

VELA Tango 510EI is the latest development in customised chairs with electric height adjustment. In addition to an active sitting posture, the chair provides relief and a good resting position during the day.



### VELA Tango EI Sit-stand

The VELA Tango EI Sit-stand Chair is a customised chair for users who require support and safety while standing and, at the same time, need electric height-adjustment, e.g. due to reduced strength in their legs.



### VELA Salsa 100

VELA Salsa 100 is a sit-stand chair with a shallow seat with tilt, which supports and stabilises the user.



# Chairs - Long Working Day



**Standing work** Quality of life for people with disabilities may be linked to being able to do a job, e.g. with reduced hours or a flexijob. Quality of life can also mean being able to perform everyday activities independently.

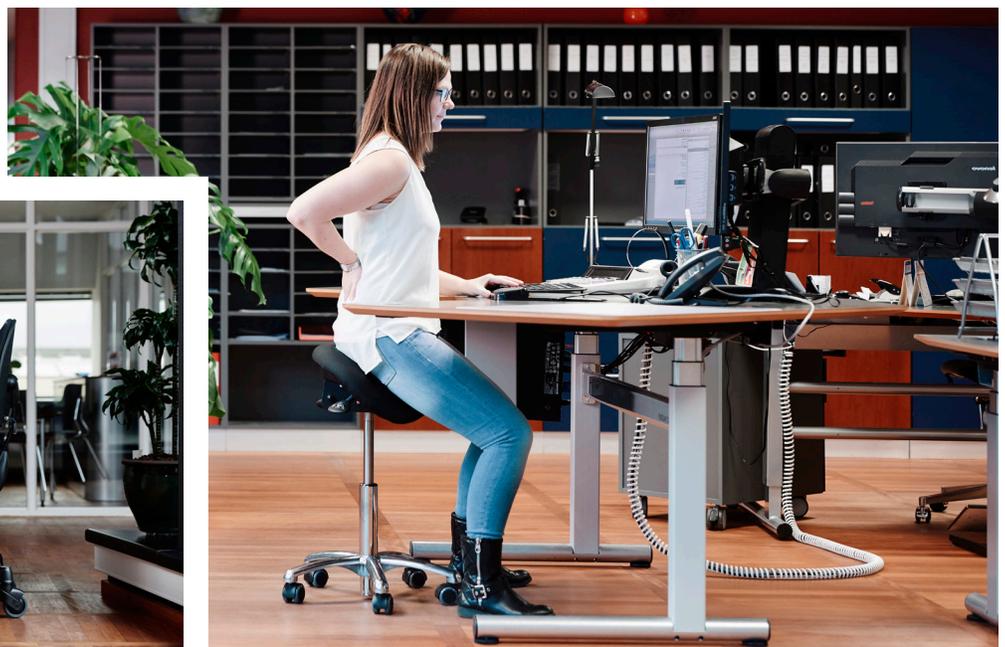
**Healthy back** A healthy and strong back can, for some, seem incompatible with a long working day involving sedentary work. However, even if you work in an office and sit for most of the day, you can still strengthen your back and prevent back pain.

## Finding the right chair

VELA has several models of stools, which ensure a good work posture and at the same time strengthen the back and abdomen. Choosing a stool with a saddle seat (VELA Samba 400) or a dynamic seat (VELA Samba 410) ensures good ergonomics with an upright, active sitting position. The design of these seat promotes a natural curve in the back and an open, active hip angle. The dynamic seat on the VELA Samba 410 further strengthens the muscles and joints around the back, lower back and abdomen.



It is important that the stool is set at the correct height, since this creates the basis for a healthy, active sitting position.





Work Chairs have four smooth running wheels and an unique central brake, providing a safe and stable work space.



**VELA Salsa 100**

VELA Salsa 100 is a sit-stand chair with a shallow seat with tilt, which supports and stabilises the user.



**VELA Salsa 110**

VELA Salsa 110 is a sit-stand chair with a shallow seat and a raised lip at the front, so the user avoids the feeling of sliding down the seat when it is tilted forward.



**VELA Salsa 400**

VELA Salsa 400 has a saddle seat which ensures an ergonomic sitting posture. The design of the seat allows for the natural curve of the back, providing an open, active hip angle.



**VELA Samba 100**

VELA Samba 100 is a sit-stand chair with a shallow seat with tilt, which supports and stabilises the user during standing work



**VELA Samba 150**

The VELA Samba 150 is an ergonomic and comfortable office chair with an extra shallow seat and a heavily padded, rounded front edge for better blood circulation in the legs. The chair allows the user to get close up to their work.



**VELA Samba 410**

The VELA Samba 410 activates and trains the lumbar region abdomen and back thanks to the dynamic seat.



**VELA Samba 400**

The VELA Samba 400 with saddle seat provides good ergonomics. The design of the seat promotes a natural curve in the back and an open, active hip angle.



**VELA Latin 100**

The VELA Latin 100 is an ergonomic, padded office chair with a low backrest, which provides good lumbar support and free movement of the back, shoulders and arms.



**VELA Latin 200**

The VELA Latin 200 is an ergonomically upholstered office chair with a larger seat and a higher backrest for extra lumbar support compared to the VELA Latin 100 model.



**VELA Tango 500**

The VELA Tango 500 is the latest development in customised chairs with a revolutionary, two-part ALB backrest.



**VELA Tango 500EI**

VELA Tango 500EI is the latest development within customised chairs with electric height adjustment, and a revolutionary, two-part ALB backrest.



**VELA Tango EI Sit-stand**

The VELA Tango EI Sit-stand Chair is a customised chair for users who require support and safety while standing and, at the same time, need electric height-adjustment, e.g. due to reduced strength in their legs.



# Features to help you Move



The VELA Tango Chairs are designed to elevate to allow stable standing and access to both high levels and low levels in your home or office.

Elevation is either Electric or Manual depending on the Model.



# VELA Tango chairs

VELA Tango is a series of customized chairs developed for people with disabilities to increase independence and activity at home and the workplace. VELA Tango chairs have a unique central brake which provides a safe and stable work space.



## VELA TANGO CHAIRS

- :: Stable and safe chair with central brake
- :: User weight up to 160 kg (352.74 lb)
- :: Easy-adjustable seat, backrest and tilt

### VELA Tango 100

- :: Low backrest provides lumbar support and allows free movement of the upper body, shoulders and arms

### VELA Tango 200

- :: High backrest with back latch lock for extra back and lumbar support

### VELA Tango Arthrodesis Split Seat

- :: Split seat with separately adjustable cushion front

### VELA Tango 300

- :: The chair is robust and can handle weight impact, fierce movements and uneasy users
- :: Reinforced base, armrest bars and backrest bar

### VELA Tango 500

- :: ALB backrest provides optimal support to the lumbar and pelvic region and promotes an upright posture

### VELA Tango 510

- :: High back and neck support combined with a large rear tilting seat provide relief and a good resting position

## VELA TANGO CHAIRS - ELECTRIC

- :: Electric height adjustment gives a comfortable and safe change of seat height
- :: Stable and safe chair with central brake
- :: Brake and armrests provide safety and

### VELA Tango 100EI - electric height adjustment

- :: Low backrest provides lumbar support and allows free movement in upper body, shoulders and arms

### VELA Tango 200EI - electric height adjustment

- :: High backrest with back latch lock for extra back and lumbar support

### VELA Tango 300EI - electric height adjustment

- :: Electric height adjustment gives a comfortable and safe change of seat height
- :: Sitting height can be adjusted while sitting in the chair

### VELA Tango 500EI - electric height adjustment

- :: ALB backrest provides optimal support to the lumbar and pelvic region and promotes an upright posture

### VELA Tango 510EI - electric height adjustment

- :: High back and neck support combined with a large rear tilting seat provide relief and a good resting position



# Sit-stand chairs

VELA sit-stand chairs creates a stable, high work space and supports an ergonomic work posture. A sit-stand chair is perfect for an individual who swithes between standing and seated work - at home and at the work place.

## SIT-STAND CHAIRS



VELA Samba 100



VELA Samba 110



VELA Samba 120



VELA Samba 130

- :: Ideal for switching between standing and seated work positions
- :: Short seat depth with tilt promotes an active sitting posture and a healthy back
- :: Relieves back and lumbar muscles in a standing work position
- :: Short seat depth facilitates getting closer to the table or work situation
- :: The foot ring ensures extra support and comfort when the seat is set high
- :: Backrest gives good, ergonomic lumbar support

### VELA Samba 100

- :: Ergonomic curved seat with a rounded front edge stabilises the user

### VELA Samba 110

- :: Ergonomic curved seat with a rounded front edge and raised pommel stabilises and supports the user

### VELA Samba 120

- :: Ergonomic seat with a V-shaped front edge

### VELA Samba 130 - sit-stand chair without backrest

- :: Ergonomic seat with a V-shaped front edge

## SIT-STAND CHAIRS WITH BRAKE



VELA Salsa 100



VELA Salsa 110



VELA Salsa 120

- :: Central brake and armrests provides safety during activities and transfers
- :: Relieves back and lumbar muscles in standing work position
- :: Short seat depth with tilt promotes an active sitting posture and a healthy back
- :: Possible to "walk" the chair when in low position
- :: Backrest gives good, ergonomic lumbar support

### VELA Salsa 100

- :: Ergonomic curved seat with a rounded front edge stabilises the user

### VELA Salsa 110 - sit-stand chair without backrest

- :: Ergonomic curved seat with a rounded front edge and raised pommel stabilises and supports the user

### VELA Salsa 120

- :: Ergonomic seat with a V-shaped front edge

### VELA Salsa 100

- :: Ergonomic curved seat with a rounded front edge stabilises the user

### VELA Salsa 400 - available with back rest

- :: Saddle seat with tilt promotes an ergonomically and active sitting posture

### VELA Tango EI Sit-stand - electric height adjustment

- :: Ergonomic curved seat with a rounded front edge and raised pommel stabilises and supports the user
- :: Stepless electric height adjustment is comfortable and supportive



VELA Salsa 130



VELA Salsa 400



VELA Tango EI Sit-stand



# Basic chairs

All stools and sit-stand chairs can be supplied with both hand-operated or foot-controlled height adjustment. The chairs can be adapted to the individual user via, e.g. backrests, wheels and brakes. All basic chairs have 360° seat rotation.

## STOOLS



VELA Samba 500



VELA Samba 400



VELA Samba 400 with small seat



VELA Samba 530



VELA Samba 410

:: Easy to handle thanks to the small frame and smooth-running wheels

### VELA Samba 500

:: Comfortable sitting position with extra cushioning on the seat

### VELA Samba 400

:: Saddle seat with tilt promotes an ergonomically correct and active sitting posture

### VELA Samba 400 with small seat

:: Small saddle seat with tilt promotes an ergonomically correct and active sitting posture

### VELA Samba 530

:: Seat w. work area at the front, e.g. for foot treatment

### VELA Samba 410

:: Dynamic seat cushion, which promotes movement in the lumbar and pelvic region  
:: The dynamic movement from the seat stimulates and strengthens the back and lumbar region  
:: Seat is available in two sizes

## STOOLS WITH BACKREST



VELA Samba 510



VELA Samba 520



VELA Samba 400 with S150 backrest

:: A backrest provides comfort for those working long hours  
:: A narrow backrest allows shoulders and arms to move freely

### VELA Samba 510 with small back support

:: Comfortable sitting position with extra cushioning on the seat and light support for the back

### VELA Samba 520 with ergo backrest

:: Comfortable sitting position with extra cushioning on the seat and adjustable backrest

### VELA Samba 400 with narrow S150 backrest

:: Saddle seat with tilt for an active posture and a backrest for extra support of the back  
:: Seat is available in two sizes

## OFFICE CHAIRS



VELA Latin 100



VELA Latin 200



VELA Latin 400



VELA Samba 150

:: Ergonomic shaped seat, and back support that stimulates a good sitting posture  
:: Height-adjustable armrests available as accessory

### VELA Latin 100

:: Low backrest allows for free movement of the upper body

### VELA Latin 200

:: High backrest with latch for extra lumbar support

### VELA Latin 400

:: Syncro function in seat and backrest for extra comfort

### VELA Samba 150

:: Short seat depth enables an individual to get closer to, e.g. a table



An adult should always help the child to adjust the chair so that the chair is set appropriate for the child in relation to the activity.

## Grow with the chair

With a VELA Children's chair, it is possible to 'grow' with the chair and get special adaptations - for a perfect fit for children and adolescents.

VELA Children's chairs will truly grow with the user. The unique back adjustment allows the seat depth to increase as the child grows. Should the user grow out of the existing seat then simply replace the seat pad for the next size up - same applies with our backrests. Our modular system allows for accessories/supports to be added retrospectively should the need occur.



The easy reach Central Brake promotes user independence and safety. The contoured seating system with memory foam helps prevent sacral sitting & the 4-point belt helps with hip alignment. A selection of supportive backrests and adjustable armrests help the child stay focused and supported while in class or at home.

The ergonomic seat and backrest systems from VELA are specifically designed for children and provide optimal sitting comfort, as both the backrest and seat can be adjusted to suit the individual.



### VELA Hip Hop 100

The VELA Hip Hop 100 is a smart chair, especially for a child who often sits and works at a table. The chair is suitable for most school desks, and its discreet design means that it does not take up much space in the classroom. The central brake provides safety and aids concentration



### VELA Tango 100ES

The VELA Tango 100ES is a children's chair with electric height adjustment - perfect for children and young people with special needs. The electric height adjustment helps the child with transfers and makes it possible to vary the seat height for different activities.



### VELA Tango 100S

The VELA Tango 100S is a safe chair for children and young people with special needs. The chair is perfect for use in school and at home as the central brake provides stability during activities and transfers.



# For activity and comfort at school and home

VELA children's chairs assist individuals with disabilities to achieve an optimum level of independence at home and at school. All chairs have four smooth running castors and a unique central brake, to give the user a safe and secure entry or exit from the chair.



VELA Hip Hop 50



VELA Hip Hop 100  
with E1 seat/backrest & seatbelt

## ACTIVITY AND SCHOOL CHAIRS

- :: Brake and armrest provide extra safety and increased concentration for work and activity
- :: Armrest and brake stabilises the chair and make it easy for the child to get in and out of the chair
- :: Easy moving castors ensure the user can get close to the task in-hand
- :: Comfortable and adjustable seat, backrest and tilt supports an ergonomic sitting position
- :: The backrest provides ergonomic lumbar support
- :: Different seats and backrests can be combined in relation to the child's size and needs
- :: The seat has a "reservoir" of foam which can be changed for optimum stability in the sitting position
- :: The upholstery has good wear resistance and is water repellent

### VELA Hip Hop 50

- :: Practical and simple shell chair for the classroom and institutions
- :: Also comes in a version with upholstery

### VELA Hip Hop 100 with E1 seat & backrest

- :: Extra short sitting depth and width down to 25 cm
- :: Height adjustment in both right and left side

### VELA Tango 100S

- :: Good ergonomics, comfort and support for an optimal sitting posture, which promotes activity and participation
- :: The backrest can be fixed in an angle for extra lumbar support



VELA Tango 100S



VELA Tango 100ES

## SCHOOL CHAIRS (ELECTRIC)

- :: Stepless electric height adjustment gives a comfortable and safe change of seat height
- :: Electrical height adjustment optimises seat height for increased participation. This function also assists with sit-to-stand and transfers
- :: Armrest and brake stabilises the chair
- :: Comfortable and adjustable seat, backrest and tilt
- :: Special seats and backrests can help the child to concentrate if having, e.g. learning difficulties
- :: Stable base and central brake for safety, support and increased concentration for work and activity
- :: Supportive workplace for daily activities

### VELA Tango 100ES

- :: Good ergonomics, comfort and support for an optimal sitting posture, which promotes activity and participation

### VELA Tango 100ES with ES5 backrest

- :: High backrest with lateral support stabilises and supports the child without the use of body supports

### VELA Tango 100ES with body support

- :: Head and body supports for extra stability and safety when the child is sitting in the chair



VELA Tango 100ES  
with ES5 backrest



VELA Tango 100ES  
with head, lateral & side support

**Note:** The displayed chairs may have accessories that are not standard



## A VELA Chair can always be adapted to the individual user

Many diseases, transient or chronic, result in functional impairments that differ from person to person. Functional impairments can affect the individual's activity level, so it can be difficult to maintain everyday activities both at home and at work. VELA Chairs support and increase the user's level of activity, ability to function as well as their independence in performing activities at home and work.

### A unique chair

The unique feature of the VELA Chairs is that it has a **braking system** that provides the user with a **stable and comfortable workplace**, e.g. for kitchen activities, personal care and doing laundry. Furthermore, the VELA Chairs are equipped with four easy-to-use and directionally stable wheels that allow the chair to be **"walked"** so user can get around **unassisted**.

All VELA Chair models are available with manual or electric height adjustment. The electric height adjustment **reduces** the occurrence of inconvenient and painful impacts and shocks when transferring. Also, the electrical height adjustment supports people with reduced balance and power in the legs to **mobilise** from a sitting to a standing position.

**Ergonomics and comfort** are always of a high importance, and all models are available with a varied selection of seats and backrests so that the chairs can be **adapted** to the individual.



VELA Tango 100



VELA Tango 200

### Different characteristics of the models



The VELA Tango 500 models are the newest addition to the VELA Chair range, which, in addition to the traditional benefits, also come with a revolutionary, **two-piece ALB backrest** that provides **unique lumbar support** and the possibility of **maximum variation** in the sitting position.



The VELA Tango 510 models offer **relief** and a **good resting position** throughout the day, as they are equipped with a high backrest, headrest and a large back-tilt.



The VELA Tango 300 models are **extra strong and sturdy** chairs that are suitable for a user of up to **200 kg (440.9 lb)**.

VELA Salsa is a series of **sit-stand chair with brakes** that provide a **safe, high workplace**. VELA Salsa is designed for people who need **support and stability, especially for standing tasks**. There are different variations of the seat to accommodate individual preferences.





## Accessories provide optimal customisation for the user

All VELA chairs have a wide range of accessories so that the chair can be adapted to the needs of each user. VELA offers solutions in upholstery, comfort, support, grip, electrical setting and working environment. There are over 200 different pieces of accessories for VELA chairs, including many different types of backrests and seats that can be combined to suit individual needs.



### People with difficulties in walking and mobility problems may benefit from:

- :: Extra-large smooth-running wheels that make it even easier to move the chair.
- :: Footrest on which to rest the feet while sitting and working. Furthermore, it is possible to pull and push yourself around using the arms, while the feet rest on the footrest.

VELA offers a wide range of accessories that provide the possibility to customise the chair to the individual user

- :: Special seats, backrests, body supports, side supports and headrests **contribute to an ergonomic seat position** that promotes activity



### People with reduced power in arms and hands may benefit from:

- :: Arthritis grip that makes it easier to use the chair's adjustment options as they are placed parallel to the seat of the chair instead of below the seat. This means that you do not need to reach so far to get to them, nor is it necessary to use as much effort as with the standard grips.

- :: Covers for seats and backrests are an advantage when the chair is used by different users or when there are **challenges related to hygiene**

- :: Armrests are available in different designs and with different cushions that can **relieve and support the arm** in the right position. Armrests contribute to **increased comfort**, provide **safety** and **facilitate entry and exit** of the chair, for those who have balance problems or reduced power in the legs



### People with pains and reduced joint mobility may benefit from

- :: T-grip that reduces twists in the body and back, when using the brake on the chair.
- :: Large backrest with air pump that allows for variation and graduation of backrest support.

- :: Push bar **improves the working environment of the care provider**, e.g. when the user is moved sitting in the chair
- :: Special grips, e.g. for people with arthritis, can **ease the adjustment** of the brake, seat and backrest



Integrity | Trust | Honesty | Knowledge | Respect



"By offering innovative health care products, it is our goal to help Canadians of all ages live independently with dignity and respect"



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