

ottobock.

# The new Motus

The all-rounder for active use

Quality for life







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“Similar to the Avantgarde 4, we did it with the Motus to further develop a respected product and to optimize it completely. That doesn't just make me proud as the product manager, but it also shows me how innovative our tried and tested manual wheelchairs are.”

Jakob Wazlawek,  
Ottobock Global Product Manager Active

# The Motus family

The name Motus is derived from the word “moveo” and describes the many aspects of movement. Around the world, products from the Motus family enable wheelchair users to stay mobile and comfortable in their daily routine. They have earned a solid reputation as all-round wheelchairs for active use.

Having undergone a complete makeover, the Motus has now emerged with more product highlights than ever before – lighter weight, a new design, a wider range of frame colours, and more features that can be set individually. All models can be adjusted to the user’s individual requirements and can be folded up quickly for transport.



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Further technical data and detailed information to the products can be obtained directly from your specialist dealer or refer to the respective instructions for use.

In addition to the two familiar CS and CV variants, the new Motus range also includes products known as indication-based models. The Motus XXL features reinforced components and is suitable for users with a weight of up to 140 kg.

The Motus HEMI variant was designed especially for the needs of stroke patients and includes various special options to make their lives easier. For example, it can be propelled with one hand.

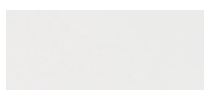


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#### Frame colours



White RAL 9016



Jet black RAL 9005 FSM



Anthracite metallic



Marine blue



Sky blue



Candy red



Silver metallic



Sparkle Granny Smith



# The new Motus

## Product highlights

### Comfortable to push

The new push handles can be raised or lowered to make it even more comfortable for the person pushing the wheelchair.



### New side panel

The side panel has been given a complete makeover and now has a more dynamic look. It is available in all the frame colours or in Carbon.



### Drive wheel adapter

The new drive wheel adapter can be adjusted easily and quickly to meet the requirements of the respective user.

### Vehicle friendly

The Motus folds up easily and quickly for transport.

### A comfortable ride

The new front wheel adapter can be adjusted incrementally. This ensures the front wheels can be positioned with precision in order to optimise the directional stability of the wheelchair.





### **Side panel desk with arm support**

We've completely revamped the side panel desk, the depth of which can be adjusted individually.



### **An eye to detail**

We've optimised various small details for greater ease of handling and more visual appeal. For example, the screw heads now lie flush with the frame. This further reduces the risk of injury.

### **Design**

The new Motus has a more contemporary and less cluttered look. Thanks to the new design, it's also lighter in weight.

### **Freedom of movement**

The leg supports are divided (Motus CV) or single-panel (Motus CS), and can be swung away (Motus CS) or removed (Motus CV). This gives users more flexibility and freedom in everyday life.



# Setting new goals and pursuing them resolutely

Some twenty years ago, Wiktor was diagnosed with multiple sclerosis – and joined the ranks of more than 2.5 million MS patients worldwide. The first thing it affected was his sense of balance. “People probably thought I’d had too much to drink,” he laughs. As time progressed, his coordination and balance problems grew worse. They culminated in spasticity. Wiktor began using a wheelchair around eight years ago. But it hasn’t stopped him taking life by the horns. On the contrary! Wiktor is a motivational fighter and inspire other Wheelchair user. “Life goes on. Many activities are easier nowadays for disabled people than they were in the past. However, there are still many obstacles, and plenty of room for improvement,” adds the young lawyer. “It’s hard to believe, but too many court buildings in this world are not wheelchair accessible. That’s got to change – and a whole lot more besides!”



**“You should never give up. Always keep expanding your horizons and remain open for new experiences.”**

## **Wiktor**

At work, Wiktor fights for equal rights for everyone. His goal is to help disabled people overcome the many challenges they face and transform their present problems into potential power-houses.

Polish by birth, Wiktor currently lives in Warsaw where he heads his own law office. He loves the modern, vibrant city and is happy here.



Wiktor loves his job, but he's equally passionate about travelling and meeting people from other cultures. "I was born and bred in Warsaw, and I love the city. Nonetheless, I'd like to live abroad again one day," he tells us. His first proper experience of foreign shores came when he moved to Switzerland and lived there for three years. Then he spent twelve months living in France.



“Good friends are so important!”



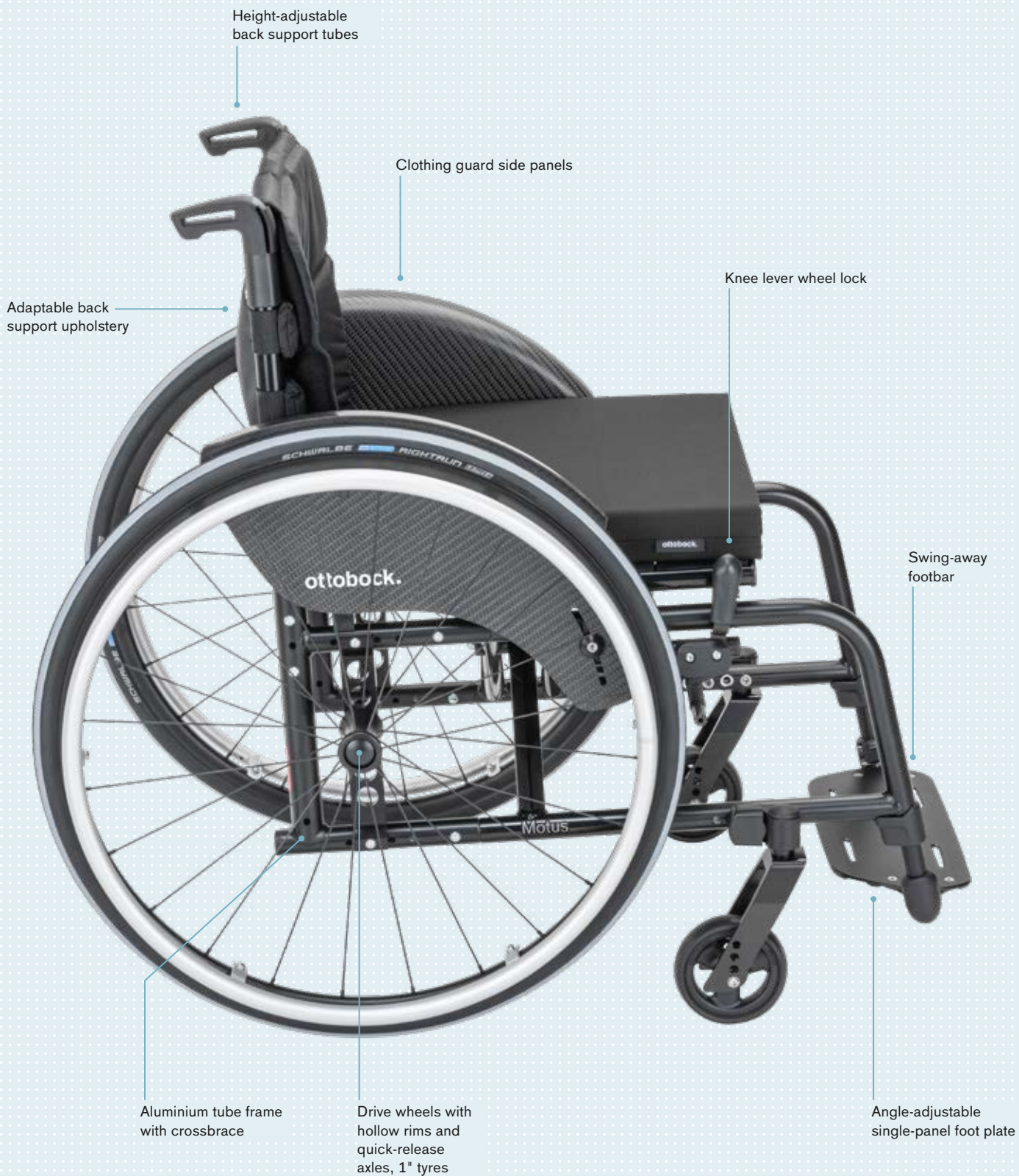
Wiktor wants people to interact with him as a normal, healthy human being – and not as an MS patient in a wheelchair. Of course his daily routine is different, and often more complicated than for others. But can any human lay claim to having an “easy” life? Everyone faces challenges of one kind or another. For wheelchair users, the challenge lies in finding the most appropriate type of wheelchair early on. “You many need to try out different types, and should not get discouraged,” Wiktor says. “At the beginning, I was offered only a very basic wheelchair. But I did my research and was strongly supported by my doctors, and that’s how I got my Motus. It’s a joy to ride, it’s beautifully nimble, and it’s so easy to transport.” Wiktor, who loves travelling, also recommends that users pay attention to detail when choosing a cushion. At first he didn’t realise what a difference it would make. But a good cushion is paramount when it come to sitting comfortably. It’s the wheelchair equivalent of choosing comfortable shoes for walking long distances.

Besides travelling and meeting people from other cultures, Wiktor enjoys reading and playing video games in his leisure time. He considers his freedom to be a precious asset, and guards it jealously. For this reason, he also uses an Ottobock Juvo (power wheelchair) on occasions when he needs to cover long distances or difficult terrain. He’s also currently considering fitting an auxiliary drive to his manual chair. “You should never give up. Always keep expanding your horizons and remain open for new experiences. That’s how I’ve managed to keep my independence. Even though it sometimes means using more mobility devices in the process. After all, if you have a stubborn stain, you use more laundry detergent, right?”

Wiktor is a wonderful role model, and he still has plenty of plans for the future. Here at Ottobock, we feel privileged to play a part in helping him achieve his goals, and look forward to hearing lots more from him in the future.

## Product features

Approved for transport in vehicles for transporting persons with reduced mobility (acc. to ISO 7176-19)



# Motus CS

## The sporty option

The Motus CS is a configurable, folding adaptive wheelchair with a closed front frame and a single-panel foot plate. The single-panel foot plate adds stability to the wheelchair and weighs less than a divided foot plate.

### Range of additional options

- Angle-adjustable back support, 30°
- Tray
- Knee lever wheel lock for one-handed operation
- Swing-away footbar
- Scissor wheel lock
- Crutch holder
- Anti-tipper
- Wide range of cushions

For additional options, please refer to the order form.



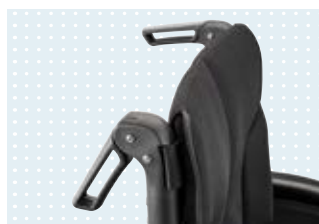
• Scissor wheel lock (optional)



• Folds up easily to save space



• Individually adaptable back support



• Folding push handles (optional)



• Foldable, single-panel foot plate

Technical data	Motus CS
Overall width	505–680 mm
Overall length	805–1,155 mm
Overall height	670–1,100 mm
Seat depth	360–540 mm
Seat width	355–480 mm
Front seat height	380–550 mm
Rear seat height	360–520 mm
Seat angle	10–100 mm
Drive wheel camber	0° to 4°
Back support angle	0° to 30°
Back support height	300–500 mm
Lower leg length	340–550 mm
Folding size	270–330 mm
Load up to	125 kg
Total weight	11.6–19.9 kg

**i** Further technical data and detailed information to the products can be obtained directly from your specialist dealer or refer to the respective instructions for use.











## Product features

Approved for transport in vehicles for transporting persons with reduced mobility (acc. to ISO 7176-19)





# Motus CV

## The variable option

The Motus CV is a configurable, folding adaptive wheelchair with a modular design and removable leg supports. This latter feature gives the user even more flexibility in everyday situations. For example, it allows them to move up closer to objects.

### Range of additional options

- Angle-adjustable back support, 30°
- Tray
- Knee lever wheel lock for one-handed operation
- Scissor wheel lock
- Crutch holder
- Anti-tipper
- Various seat cushions
- Side desk panel with adjustable depth

For additional options, please refer to the order form.



• Anti-tipper (optional)



• Side desk panel with adjustable depth (optional)



• More room to manoeuvre with swing-away (alternatively: swing-up) leg supports



• Side panels can be painted to match the colour of the frame (optional)

Technical data	Motus CV
Overall width	505–680 mm
Overall length	805–1,155 mm
Overall height	670–1,100 mm
Seat depth	360–540 mm
Seat width	355–480 mm
Front seat height	380–550 mm
Rear seat height	360–520 mm
Seat angle	10–100 mm
Drive wheel camber	0° to 4°
Back support angle	0° to 30°
Back support height	300–500 mm
Lower leg length	340–550 mm
Folding size	270–330 mm
Load up to	125 kg
Total weight	11.9–20.2 kg

**i** Further technical data and detailed information to the products can be obtained directly from your specialist dealer or refer to the respective instructions for use.



One of the hardest things about having MS is needing and accepting outside help. Particularly if you were previously the sort of person who always took care of others. As in the case of Barbara, who lives near Dortmund in Germany. Barbara was diagnosed with multiple sclerosis in the winter of 2015. The diagnosis came only after years. Barbara was misdiagnosed several times and hence given the wrong treatment. MS can present in many different forms, which makes it difficult to diagnose immediately with absolute certainty. As a result, you need to be persistent, says the former nurse. Trust your gut feeling, and be prepared to visit more than one doctor.

After the diagnosis, her family life changed radically. “Accepting bad days with good grace is the hardest thing,” she reports. At first, she found it incredibly hard to just lie on the sofa doing nothing instead of busying herself on behalf of family and friends. “It’s often much harder for the patient themselves to accept their limitations. You have to actively learn to ask for help. But when you do, you quickly realise that you’re not alone.” Barbara’s illness has cost her her job, her independence, and a big chunk of her confidence. But life goes on. Today, she regards herself as CEO of her home and body. Her former job as a nurse didn’t involve anywhere near the paperwork she now has to handle. Now her days are filled with making telephone calls, arranging doctor’s appointments,



**Barbara**

Barbara, an optimist through and through, loves her Motus because it gives her independence and freedom. It allows her to go shopping by herself or attend her occupational therapy appointments alone. Thanks to the auxiliary drive, she can even join her partner Bernd on cycle rides.

“Wipe your tears, straighten your crown and carry on.”





## “Doesn’t it make sense to choose which mobility device you need?”

asks Barbara



submitting prescriptions and applying for mobility devices. The whole subject of mobility devices is something the mother-of-two takes particularly seriously. She’s always approached the subject with a very open mind, perhaps because of her former work as a nurse. “Mobility devices help people in need. So I really don’t understand why some patients resist them so strongly. Sooner or later, MS or no MS, everyone gets to a point where they need a device. So doesn’t it make far more sense to choose which device you need?” Barbara asks.

At home, she loves spending time on her hobbies, crocheting and making jewellery. Her wardrobe is full of gorgeous, fashionable items she’s crocheted herself, with a different necklace she has made for every outfit. These crafts allow her to train her cognitive abilities, and she also finds them very relaxing. Participating in life without always being reliant on other people. That’s her goal. “Through my illness, I’ve

met honest, authentic people, and I’ve grown stronger. I’ve actually found myself!” she concludes. Barbara visits MS therapy centres on a regular basis and advises other MS patients to do the same. Everyone at the centre is in the same boat. The focus here is on honesty and mutual support. You are not alone. It’s the only way to get through bad patches, like cortisone withdrawal symptoms after a course of therapy. And somehow it’s easier to vent on people who are going through the same problems rather than on healthy friends and family members. For the future, Barbara hopes society will be more mindful of people with restricted mobility. Nobody applies for a DID card unless they have to. “My wheelchair is part of me, just like my family. I’ve learned to accept this fact, and I’m good with it. My motto is never give up, and let others make the calls in the event of an emergency.”





# Motus HEMI

## The functional option

Depending on the severity, a stroke can impact a person's life temporarily or permanently in a variety of ways. In addition to causing cognitive impairment and memory loss, strokes will frequently leave patients with hemiparesis (where one side of the body is weak) or hemiplegia (where one side of the body is completely paralysed).

When treating a patient with hemiplegia, it is important to factor in their (residual) abilities as well as the areas where they will require support. For example, support should be provided for paralysed limbs while making the most of any remaining mobility in other limbs.

The Motus HEMI was designed for customised fittings of this nature. It can be fully adapted to meet individual requirements, allowing users to make the most of any remaining mobility. At the same time, it supports weaker body areas.

Technical data	Motus HEMI
Overall width	505–755 mm
Overall length	805–1,155 mm
Overall height	670–1,100 mm
Seat depth	360–540 mm
Seat width	355–555 mm
Front seat height	380–550 mm
Rear seat height	360–520 mm
Seat angle	10–100 mm
Drive wheel camber	0° to 4°
Back support angle	0° to 30°
Back support height	300–500 mm
Lower leg length	340–550 mm
Folding size	270–330 mm
Load up to	140 kg
Total weight	11.8–20.7 kg



Further technical data and detailed information to the products can be obtained directly from your specialist dealer or refer to the respective instructions for use.

## Product features





# Motus XXL

## The sturdy option

Lifestyle diseases such as obesity and changing body sizes are among the factors contributing to the increasing number of devices required for heavy and large users. But diseases that affect growth also make special solutions necessary. Thanks to reinforced components and high-quality, robust materials with a low net weight, no compromises need to be made even for heavier loads.

### Range of additional options

- Positioning belt
- Tray
- Various push handles
- Various side panels
- Wheel lock lever extension
- Brake for attendant (drum brake)
- Crutch holder with tip-assist
- Anti-tipper
- Range of seat cushions

For additional options, please refer to the order form.



• Height-adjustable push handles (optional)



• Crutch holder (optional)



• Stabiliser bar (optional)



• Knee lever wheel lock for user and attendant (optional)

Technical data	Motus XXL
Overall width	655–755 mm
Overall length	865–1,155 mm
Overall height	670–1,100 mm
Seat depth	420–540 mm
Seat width	505–555 mm
Front seat height	380–550 mm
Rear seat height	360–520 mm
Seat angle	10–100 mm
Drive wheel camber	0°
Back support angle	0° to 30°
Back support height	300–500 mm
Lower leg length	340–550 mm
Folding size	270–330 mm
Load up to	140 kg
Total weight	12.8–20.7 kg

**i** Further technical data and detailed information to the products can be obtained directly from your specialist dealer or refer to the respective instructions for use.

# A strong team

## Positioning elements and seat cushions

A seat cushion is one of the most important standard features of a wheelchair. It's the user's point of contact with their wheelchair. If you spend most of your day in a wheelchair, your wellbeing is extremely important. Naturally, the seat cushion has to be comfortable. But it also regulates your position, gives you added stability and protects your skin. So you should take all the time you need to choose your cushion very carefully.

In addition to the seat cushion, numerous positioning elements are available. These are often not included as standard features. Wheelchair users should ask for advice and find out about their options here. A sub-optimal sitting position can cause irreparable damage. Wheelchairs are meant to support their users for extended periods every day. Not harm or hurt them. It's like finding a good pair of shoes – if they're not comfortable, you should change them.

Ottobock offers a wide range of seating and positioning elements, from seat cushions to different arm supports, back supports and head supports. A wheelchair has to be combined with the right positioning elements in order to be a useful device that provides the best possible support to users in their everyday lives. If any of the elements aren't fitted correctly or are missing, it will have a negative impact on the user.

Not all options are available with every wheelchair. However, our product portfolio contains a lot of universally usable seating and positioning elements. Ask your specialist dealer for advice and find the right options to complement the Motus model you select.



**i** Please contact your specialist dealer for more information on Ottobock's range of seating and positioning options.

### Lap belts

Pressure sores are caused mainly by bad pressure distribution and shear forces acting on the body in the sitting position. Lap belts are particularly helpful for users who tend to slide downwards when seated.

### Forearm support

Various forearm supports are available. They help bear the weight of the user's arms and keep them in the correct position.

### Seat cushions

This is one of the most important elements of a wheelchair and should be chosen with care. We recommend you use different cushions for different activities.

