ottobock.

Baxx

For comfort, stability and easy handling

Quality for life

Information for dealers

ADI
A Stealth Product

ottobock.

Baxx

Ottobock Baxx expands our seating and positioning portfolio and is designed to complement our seat cushions as part of our overall Seating Philosophy.

Ottobock Baxx, divided into the Aluminium Back Series (AL) and the Aluminium Back Series Flat Top (AFT), provides posterior and lateral support to the trunk.
A choice of 5 lengths, 3 contours and 11 back widths provides a wide range of shell shapes to match the individual support needs of the user. More than 160 possible combinations are available. A special highlight is the ability to choose between several colours of the back shell. Ottobock Baxx are made from aluminium, and easy to install. Baxx is designed to fit a large variety of Ottobock and third party wheelchairs.

Baxx positively affects the health and wellbeing of users due to their ergonomic shape. Poor long term sitting postures are associated with health problems. The form and specific trunk support provided by the Baxx promotes improved sitting posture which in turn improves postural stability and comfort.

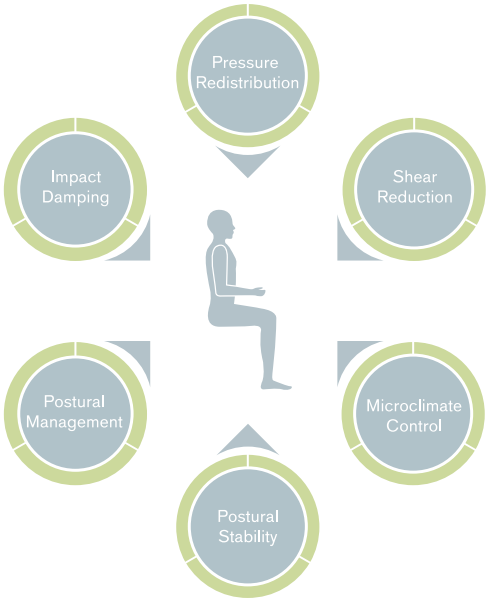
Ottobock Seating Philosophy

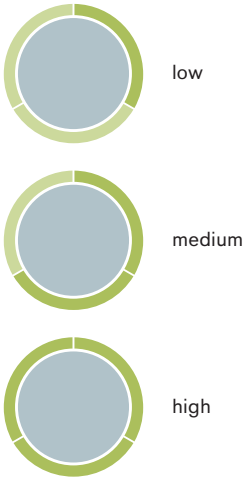
We believe every wheelchair user has a unique combination of requirements and priorities necessitating tailored wheelchair seating solutions, often using a combination of different wheelchair and seating products.

Seating solutions should consider

- User comfort: static and dynamic seating tolerance
- Functional independence: postural influences on mobility, communication, field of vision, breathing and swallowing, etc.
- Purposeful movement: vital for independence, mobility, comfort and well-being
- Safety: risk management balanced against potential benefits
- Pelvic position: influence on spinal shape, neck and head position
- Foot position: impact on the pelvis position
- Postural alignment and stability: effect of static and dynamic situation on positioning (up / down slopes, traversing cambers or when the wheelchair is used as a seat in a vehicle)
- Flexible postural changes: need for corrective support
- Fixed postural changes: need to accommodate and support
- Muscle tone: positioning influences muscle tone and reflexes
- Tissue tolerance: vulnerability to pressure, shear and unfavorable microclimate conditions

Ottobock Seating Molecule



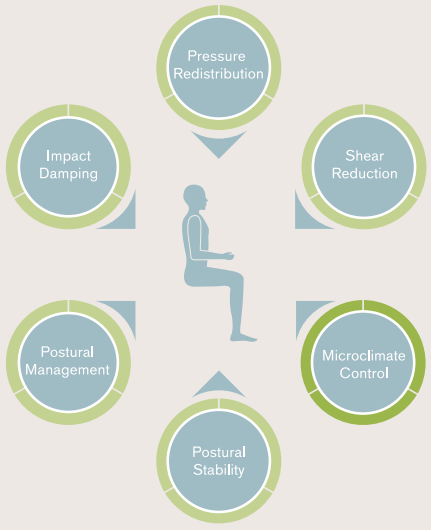


Good wheelchair seating should consider each individual's unique combination of requirements in order to optimise comfort, health and functional independence. The clinical seating molecule is a visual representation of the most critical design features which should be identified and prioritised in order to select the optimal seating solution.

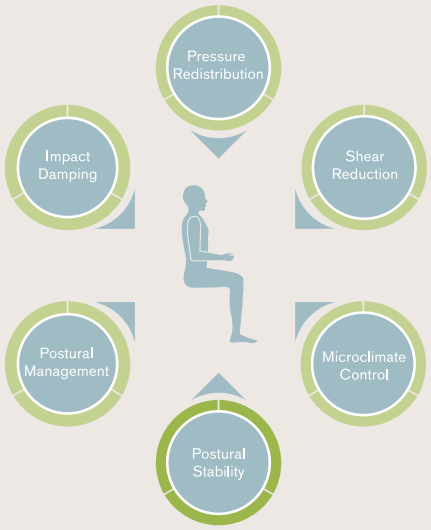
All specialist wheelchair positioning supports should be selected based on a prioritised combination of individual requirements. The rankings provided by each molecule in this brochure are designed to support, rather than replace, clinical reasoning when selecting between different Ottobock wheelchair positioning supports. Please note that these rankings are not intended to imply any claim regarding the overall performance of Ottobock cushions compared with non-Ottobock products.

Pressure Redistribution
is the ability of a support surface to immerse and envelop the user, thus reducing damaging peak pressures.

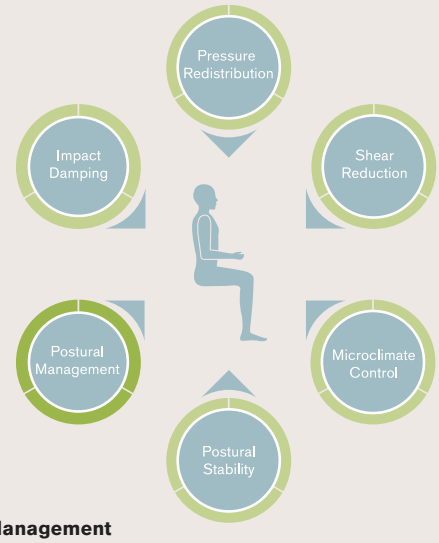
Shear Reduction
is the ability of a material to move with a user, thus reducing damaging parallel shear forces deep in the tissue.



Microclimate Control
refers to a material's ability to dissipate heat and moisture, thus reducing discomfort and the risk of tissue injury.



Postural Stability
is the ability of a seat to support a user with poor sitting balance, thus helping to maintain a symmetrical seated position over time.



Postural Management
refers to seating systems that are anatomically shaped to promote good posture, or can be modified or adjusted to support or correct individual postures, e.g. pelvic obliquity.

Impact Damping
is the ability of a support surface to reduce shock and vibration, thus increasing user comfort and stability when in motion.

Content

Baxx

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Active

Application
For users with good postural stability, or those who require separate lateral supports, e.g. for mild scoliosis.

Active contour
64 mm

Deep

Application
For users who require moderate integral lateral support, but do not require separate lateral supports, e.g. mild postural instability.

Deep contour
100 mm

Extra deep

Application
For users who would benefit from a high level of integral lateral support e.g. significant postural instability.

Extra deep contour
150 mm

Hardware

Quick Release

Application
Suitable for users who use their wheelchair as a seat in transportation, or require a quick removal system for easy transfer into a vehicle. The Quick Release mechanism is optimised for use by those with limited hand function, e.g. tetraplegics.

Angle adjustment range
+/-10°

2-Poi

Application
Suitable for manua
wheelchair users v
their back support

Angle adjustmen
+/-10°

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Options

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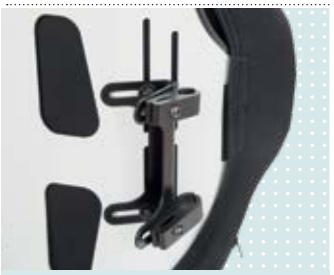

4-Point Pro

Application
Suitable for manual or powered wheelchair users who do not remove their back support. Offers more depth and angle adjustment than the 2-Point Pro. 4 point mount on the back canes makes this particularly suitable for users who are heavy on their equipment.

Angle adjustment range
+/-15°

Basic Release

Application
Suitable for active users with good hand function, or carer assisted users, who wish to remove their back support for transportation or storage. Offers more depth and angle adjustment than the Quick Release.

Angle adjustment range
+/-15°

Accessories

Options
The user can choose between several options like lateral support, loop handle or draft protection.

Loop handle
Makes it easier to remove the back support

Colours

Colour choice
The Baxx are available in a large range of colours.

Available
in more than 10 different colours

Baxx

Baxx

Ottobock Baxx are divided into the Baxx Aluminum Back Series (AL) and the Baxx Aluminium Flat Top Back Series (AFT). Both series are anatomically shapedwith a rigid aluminum shell. Large cut-outs in the shell reduce weight and simplify handling. The backs are padded at the top for comfortable sitting during everyday activities. Baxx backs are available in 5 lengths, 3 contour depths and eleven widths to enable selection tailored to the individual‘s needs. In addition Ottobock Baxx are available in various colours to match the Ottobock wheelchair frames, if desired.

Shell types and widths

Ottobock Baxx have three sizing dimensions. The back width, the back length and the contour depth. The Baxx AL series (lengths 250 / 330 / 410 mm) has a scapular cut out allow free movement of the shoulder blades making them ideal for active users. The Baxx AFT series (lengths 460 / 510 mm) include scapular support for maximum stability making them suitable for users with more complex needs.

Baxx AL series lengths
- Low: 250 mm
- Medium: 330 mm
- Standard: 410 mm

Baxx AFT series lengths
- Tall: 460 mm
- Xtall: 510 mm

The top profile of the back support is shaped to match the user's anatomy. Low and medium length back supports (AL), are shaped to follow the shape of the rib cage & provide relief for the scapulars. This makes them ideal for active users who wish to leave their upper body / scapular area free for self-propulsion and other activities. The tallest two back supports feature a Flat Top (AFT), which provides full support to the scapular area. This makes them suitable for more passive users who require maximum posterior support. All quoted back support lengths refer to the actual support structure (length of the aluminium shell not including the back cushion and cover). As the back cushion is designed to overlap the back shell to minimize pressure areas and maximize comfort, the length of the back with the back cushion will be roughly 50 mm longer than quoted above.

Baxx

Three depths

Shell lengths and depths

When selecting the lateral support depth, please take into consideration the level of lateral trunk support needed by the user, the users body shape, and transfer method. If you wish to use separate lateral supports, then please select the active contour.

- **Active (64 mm)**
  Very mild contouring

Deep (100 mm)
Moderate contouring

Extra Deep (150 mm)
Significant contouring

Hardware

Hardware

There are four different mounting kits available. Two removable mounting kits (Basic Release and Quick Release) and two fixed mounting kits (2-Point Pro and 4-Point Pro) .

Different mounting kits

1 Quick Release
The Quick Release is removable and adjustable in positioning. It is designed for users of folding frame wheelchairs that may need greater angle depth and width adjustments. The Quick Release Transport Certified has been crash tested ISO 16840 4 and ANSI / RENSA WC-4, section 20.

2 2-Point Pro
The 2-Point mounting kit is stationary and adjustable in positioning. It's designed for users of rigid framed manual wheelchairs or powered wheelchairs who prefer angle and depth adjustment. The 2-Point Pro Transport Certified has been crash tested ISO 16840 4 and ANSI / RENSA WC-4, section 20.

3 4-Point Pro
The 4-Point mounting kit is fixed and adjustable in positioning providing additional stability and additional depth adjustability.

4 Basic Release
The Basic Release mounting kit is adjustable, removable and very user friendly. Shorter brackets and cutout simplify attachment of back system to chairs with rigidizer bars.

The cover material is made from 4D spacer fabrics designed to resist stains and improve breathability. Only available on the Ottobock edition.

Choise of more than 10 different shell colours.

Removable Quick Release Transport Certified lock has been crash tested.

Transport pin

	1 Quick Release	2 2-Point Pro	3 4-Point Pro	4 Basic Release
	removable	fixed	fixed	removable
Adjusting range				
Angle	+/- 10°	+/- 10°	+/- 15°	+/- 15°
Depth	32 mm	32 mm	57 mm	57 mm
Width	25 mm	25 mm	25 mm	25 mm
Tube diameter	19–25 mm	15–25 mm	19–25 mm	19–25 mm

Options

Accessories

Lateral support

Please note that lateral supports are only available on Active contour back supports. The user has the choice of fixed and swingaway lateral brackets and a choice of S, M, L, XL lateral pads. Swingaway laterals can be very helpful where the user is hoisted or transfers sideways.

Lateral support	Size			
	S	M	L	XL
Height (mm)	76	76	114	102
Depth (mm)	76	102	114	152

Draft protection

In addition to the lateral support, the user can order also a zipped draft protection (privacy flap) that fits between the base of the back support and the wheelchair seat.

Loop handle

An optional loop handle is also available to make it easier to remove the back support.

Privacy flap
The draft protection is secured by a zipper on Baxx back and with the help of Velcro on the seat upholstery. It fits between the lower back and the wheelchair seat.

Loop handle
Makes it easier to remove the back support.

Lumbar / Thoracic support
Make fine adjustments for a range of postures including kyphosis and lordosis with this simple and adaptable solution.

Colour Choice

These colours are selected to enable the back support to be matched exactly to an Ottobock wheelchair frame. For more information on Ottobock wheechairs please contact your local Ottobock dealer / rep.

Shell Colours

RAL colours (Powder coating)

White RAL 9016

Cream RAL 9001

Yellow RAL 1023

Signal red RAL 3001

Pink RAL 4010

Jet black RAL 9005

Jet black RAL 9005 matte

Effect colours (Powder coating)

Sparkle light orange

Candy red

Vinho sparkle

Ice blue

Sky blue

Marine blue

Saturn blue metallic

Sparkle granny-smith

Brilliant silver

Silver metallic

Anthracite metallic

Sparkling iron effect light

Shimano matte

With compliments:

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