

# Baxx Line

For comfort, stability and easy handling

Quality for life





# Baxx Line

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

Ottobock Baxx Line, 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. The Baxx system is designed to fit a large variety of Ottobock and third party wheelchairs.

Baxx Line 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 Line 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

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

**Active contour**  
64 mm



**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



**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



**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°



**Application**  
Suitable for users who require a wheelchair as a seat, or require a quick release system for easy transfer to a vehicle. The Quick Release mechanism is optimized for those with limited hand function, e.g. tetraplegics.

**Angle adjustment range**  
+/-10°

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Release

2-Point Pro

who use their  
at in transporta-  
quick removal  
nsfer into a  
Release  
mised for use by  
hand function, e.g.

**Application**  
Suitable for manual and powered wheelchair users who do not remove their back support.



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.

t range

**Angle adjustment range**  
+/-10°

**Angle adjustment range**  
+/-15°

# Options



Colours

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

**Available**  
in more than 10 different colours



Optional features

**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

# Baxx Line



## Baxx Line

The Ottobock Baxx Line is divided into the Baxx Aluminum Back Series (AL) and the Baxx Aluminium Flat Top Back Series (AFT). Both series are anatomically shaped with 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. The Baxx Line 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

The Ottobock Baxx Line 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.



Padded at the top for comfortable sitting during everyday activities.

Draft protection



Large cut-outs in the shell reduce weight and simplify handling.

The backs are available in different colours, so you can colour match your back to your Ottobock wheelchair.



#### **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 Line



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



Back width	Contour	active			semi active	
		Baxx Aluminium Backs lengths (AL)			Baxx Aluminium Backs Flat Top lengths (AFT)	
		low: 250 mm	medium: 330 mm	standard: 410 mm	tall: 460 mm	Xtall: 510 mm
250 mm	active: 64 mm	•				
	deep: 100 mm	•				
280 mm	active: 64 mm	•				
	deep: 100 mm	•				
310 mm	active: 64 mm	•	•			
	deep: 100 mm	•	•			
330 mm	active: 64 mm	•	•			
	deep: 100 mm	•	•			
360 mm	active: 64 mm	•	•	•		
	deep: 100 mm	•	•	•		
380 mm	active: 64 mm	•	•	•		
	deep: 100 mm	•	•	•		
410 mm	active: 64 mm	•	•	•	•	•
	deep: 100 mm	•	•	•	•	•
	extra deep: 150 mm			•	•	•
430 mm	active: 64 mm	•	•	•	•	•
	deep: 100 mm	•	•	•	•	•
	extra deep: 150 mm			•	•	•
460 mm	active: 64 mm	•	•	•	•	•
	deep: 100 mm	•	•	•	•	•
	extra deep: 150 mm			•	•	•
480 mm	active: 64 mm	•	•	•	•	•
	deep: 100 mm	•	•	•	•	•
	extra deep: 150 mm			•	•	•
510 mm	active: 64 mm	•	•	•	•	•
	deep: 100 mm	•	•	•	•	•
	extra deep: 150 mm			•	•	•

# Hardware



## Hardware

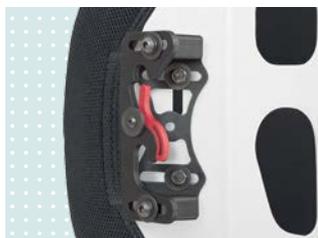
There are four different mounting kits available. Two removable mounting kits (Basic Release and Quick Release) and two fixed mounting kits (2-Point Pro and 4-Point Pro).

### Different mounting kits



#### 1 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.



#### 2 Quick Release

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



#### 3 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.



#### 4 4-Point Pro

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

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



Removable Quick Release lock has been crash tested.

Choice of more than 10 different shell colours.

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

\*crash tested

# Options and Accessories



## 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 wheelchairs please contact your local Ottobock dealer / rep.

### Shell Colours



Brilliant silver



Anthracite metallic



Jet black RAL 9005



Ice blue



Sparkle light orange



Vinho sparkle



Marine blue



Sky blue



Jet black RAL 9005 matte



Candy red



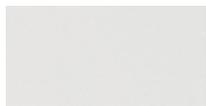
Yellow RAL 1023



Signalred RAL 3001



Sparkle granny-smith



White RAL 9016



Shimano matte



Rainbow



Pink RAL 4010

## Optional features



### 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.

# Overview

## Step by Step

From the more than 160 possible combinations, the optimal Baxx Back to meet the needs of each individual user can be determined in 4 easy steps.

### Step 1

#### Select shell type

Based on the needs of the user, decide which shell depth (contour) is required.

- Active
- Deep
- Extra deep

### Step 2

#### Select shell width

Measure the widest part of the trunk you wish to support. Find the corresponding internal back width for your selected shell type. This should then give you the measurement by which the shell is commonly known (in bold).

Active contour			Deep contour			Extra deep contour			Wheelchair sizes	
User width (internal back width)	<b>Back width to be ordered</b>	Actual width including upholstery	User width (internal back width)	<b>Back width to be ordered</b>	Actual width including upholstery	User width (internal back width)	<b>Back width to be ordered</b>	Actual width including upholstery	Minimum size (inner slot)	Maximum size (outer slot)
178	<b>250</b>	210	172	<b>250</b>	210	178	<b>250</b>	254	222	305
203	<b>280</b>	235	197	<b>280</b>	235	203	<b>280</b>	279	248	330
229	<b>310</b>	260	222	<b>310</b>	260	229	<b>310</b>	305	273	356
254	<b>330</b>	286	248	<b>330</b>	286	254	<b>330</b>	330	299	380
286	<b>360</b>	330	292	<b>360</b>	349	279	<b>360</b>	356	324	406
311	<b>380</b>	356	318	<b>380</b>	375	305	<b>380</b>	380	349	432
337	<b>410</b>	380	343	<b>410</b>	400	330	<b>410</b>	406	375	457
362	<b>430</b>	406	368	<b>430</b>	426	356	<b>430</b>	432	400	483
388	<b>460</b>	432	394	<b>460</b>	451	381	<b>460</b>	457	426	508
411	<b>480</b>	457	419	<b>480</b>	476	406	<b>480</b>	483	451	533
438	<b>510</b>	483	445	<b>510</b>	502	432	<b>510</b>	508	476	559

All sizes in mm.

Step 3

Select back length

Choose your preferred back length based on the level of support required.

Back width*	Back height	Active contour	Deep contour	Extra deep contour
250	low (250 mm)	•	•	–
280	low (250 mm)	•	•	–
310	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
330	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
360	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
	standard (410 mm)	•	•	–
380	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
	standard (410 mm)	•	•	–
410	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
	standard (410 mm)	•	•	–
	tall (460 mm)	•	•	–
	Xtall (510 mm)	•	•	–
430	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
	standard (410 mm)	•	•	•
	tall (460 mm)	•	•	•
	Xtall (510 mm)	•	•	•
460	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
	standard (410 mm)	•	•	•
	tall (460 mm)	•	•	•
	Xtall (510 mm)	•	•	•
480	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
	standard (410 mm)	•	•	•
	tall (460 mm)	•	•	•
	Xtall (510 mm)	•	•	•
510	low (250 mm)	•	•	–
	medium (330 mm)	•	•	–
	standard (410 mm)	•	•	•
	tall (460 mm)	•	•	•
	Xtall (510 mm)	•	•	•

\*All back supports widths are based on the width of the chair they are being mounted.

# Overview

## Step 4

### Select required Hardware.

Choose the most appropriate hardware based on user needs.

Mounting hardware	Quick release	Crash tested	Angle adjustment range	Width adjustment range	Mounting	Rigidiser bar cut out	Tube diameter	Space required on back canes	Weight complete	Weight stays with back
<b>Basic Release</b>	•	–	+/-15°	+/-25.4 mm	4-Point	•	19–22 mm	89 mm	760 g	580 g
<b>Quick Release</b>	•	•	+/-10°	+/-25.4 mm	2-Point	–	15–25 mm	121 mm	580 g	340 g
<b>2-Point Pro</b>	–	–	+/-10°	+/-25.4 mm	2-Point	–	15–25 mm	121 mm	560 g	NA
<b>4-Point Pro</b>	–	–	+/-15°	+/-25.4 mm	4-Point	•	19–25 mm	89 mm	580 g	NA

#### Angle

	0°	5°	10°
<b>Seat depth loss</b>	0 mm	19.1 mm	38.1 mm

#### Lateral support measurements

Size	S	M	L	XL
<b>Height</b>	76 mm	76 mm	114 mm	102 mm
<b>Depth</b>	76 mm	102 mm	114 mm	152 mm





With compliments:



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EC	REP
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