

Alternative Configurations

Wider & Narrower Back Systems - HD Balance

An individual risk assessment must be completed for alternative configurations of HD Balance wheelchairs. Determine if tipping and/or pinching risks increase due to the modifications. If there is an elevated risk it must be determined if the alternative configuration is nonetheless warranted. Be sure to inform all concerned parties about all risks!

Increased or reduced back width

HD Balance back systems are suited to their respective seat widths and work well for most users. When needed HD Balance can be equipped with alternate back support widths.

For users with wide shoulders and narrow hips, wider back supports are available, and for users who have a smaller upper body and are wider at the hips and buttocks narrower back supports are available. When a thoracic support is used in combination with a narrow back support (-4 cm), an adapter must be used with at the thoracic support attachment. When a thoracic support is used with a wider back support (+8 cm), back spacers must be used with the back system so that the thoracic support can be adjusted. If this leads to an excessive tip risk the thoracic support can instead be specially adapted by cutting off the mounting profile at the desired length. An individual assessment of the needs of the user must always be done by the prescriber.

Limitations

- With increased back width the armrests cannot be placed in the furthest back position. This applies also when a hemiplegia armrest is used. The back support height adjustment is also somewhat limited, with the lowest settings becoming unavailable.
- A thoracic support used with a narrower back system is shifted approx. 20 mm outwards by the adapter.

Possible alternatives

The back width can be increased or decreased per the table below. This applies to both Flexi and Solid backs.

Table 1 - Options for alternative back width. x = available when ordering

Model	Back width -4 cm	Back width +4 cm	Back width +8 cm
Sb 38	On request	x	x
Sb 42	x	x	x
Sb 46	x	x	On request
Sb 50	x	On request	On request

For details on the procedure of changing to a wider or narrower back system, see assembly instructions "Increased or Decreased Back Width", art.nr. 95833-1.

Keep in mind

- When a wider or narrow back system is used the width of the back cushion must match the actual width of the back system.
- When using a wider back system (+4 cm or +8 cm) HD Rehab recommends that the armrests not be adjusted in depth even if it is possible when the back is reclined. When the back is tilted upright again there is a risk of the back pushing the armrests forward and damaging the mechanism for depth adjustment. There can also be a pinching risk for the user in this situation.