

# Alternative Configurations

## Seat Height - 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.

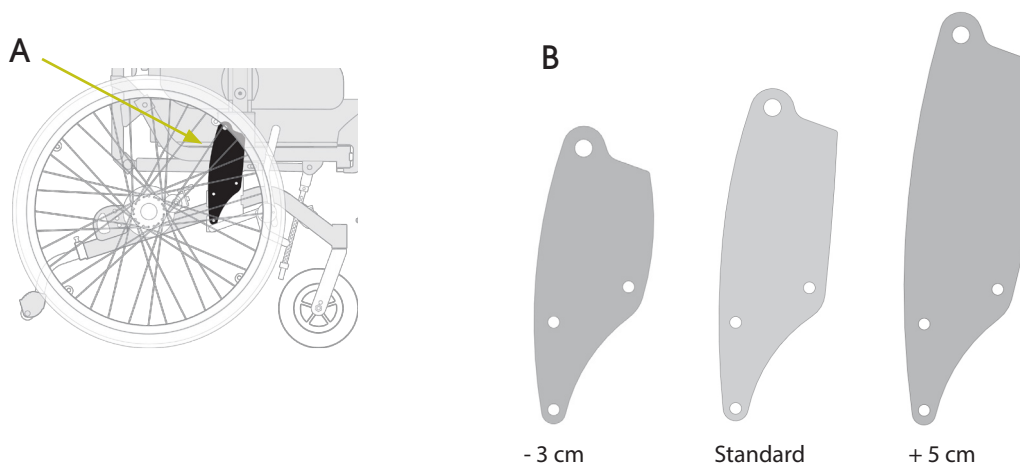
Documents 95759-1 "Reference Table - Balance Configurations" and 95758-1 "Reference Table - Balancing Modes" specify which combinations of balancing with seat raising and seat lowering are permitted, as well as any limitations they introduce. Document 95758-1 also lists the article numbers of the different adapter kits needed for raising or lowering the seating unit for existing wheelchairs.

See also Risk Information, art.no 95707-1. Read this document before ordering an alternative configuration.

### Seat height alternatives

The seat height of HD Balance is raised or lowered by changing out the tilt plates (A) which connect the wheel frame and seat frame, for an alternate version (B). Raising the seat can be done if the user is tall, lowering if the user is short or will use his or her legs to help drive the wheelchair. Seat height is raised 5 cm or lowered 3 cm.

On HD Balance 24 it is also possible to change the drive wheels to 20" and castors to 5" (125 mm), which lowers the seat height by 4 cm. Alternately, the 7" (175 mm) castors can remain by using castor forks with three holes (standard since 3rd quarter 2016). When the seat height is lowered in this manner a specific anti-tip device is required. If the drive wheels are mounted in the back position it is also necessary to change to the 16" tire brake model in order for the brake to reach the tire.



### Dimensions - seat height

Table 1 - Seat height (cm)

	HD Balance 24	HD Balance 16
Standard	45	45
Raised 5 cm with tilt plates +5	50	50
Lowered 3 cm with tilt plates -3	42	42
Lowed 4 cm with drive wheel 20"	41	-
Lowered 7 cm with tilt plates -3, drive wheel 20"	38	-

## Keep in mind

- Changing of tilt plates and castors must be carried out by qualified technical personnel.
- Changing to 20" drive wheels and 5" castors affects handling characteristics, particularly for outdoor use.
- Raising the seat height gives the wheelchair a higher centre of gravity, which leads to increased tipping risk, especially on inclines. Placing the drive wheels in the back position is recommended.
- Raising the seat height also affects the side-to-side stability of the wheelchair.
- Raising the seat height can limit the possibility of fitting under tables.
- Tilt plates that differ from the standard configuration are CE-marked and labelled with the article number on the inside of the plates. They are further marked with a label (C) on the outside to highlight that special information exists. See *Risk information about special configurations and accessories*, document 95707-1.

