

## Alternative Configurations

### Configurations for Severe Loading - HD Balance

#### Standard configuration

In standard configuration HD Balance is constructed to meet the user needs and performance requirements of normal everyday situations and environments. When there are special requirements for durability the wheelchair can be reinforced in different ways.

#### Reinforced frame configuration

HD Balance can be ordered with a reinforced frame. The wheelchair is reinforced in the wheel frame, seat frame, and back frame for increased strength (A).



#### When is a reinforced frame used?

A wheelchair with a reinforced frame can be necessary when it is expected that the wheelchair, or certain parts of it, will be subject to strong forces. This may be due to the movement patterns or behaviour of the user, for example with significant increase in muscle tension, or spasticity.

A reinforced frame configuration can also be selected when the wheelchair will be used in an environment or used in a way that deviates significantly from the norm.

If the user has previously used a wheelchair in a reinforced configuration it is also recommended that they continue to use reinforced wheelchairs.

*Note that these are general recommendations. Contact HD Rehab, your local healthcare office, or equivalent to consult on individual cases.*

#### Shock absorbing back

HD Balance can be ordered with a shock absorbing back, which spares the other parts of the chair.

A shock absorbing back is achieved by fitting the mount to the gas spring with a spring, which provides elasticity in the backrest.

Fjädrande rygg innebär att fästet till gaskolven förses med en fjäder, vilket ger svikt i ryggstödet. This configuration must be assessed in each individual case.

The shock absorbing back is available for wheelchairs with either reclinable or fixed-angle backs. See also the information sheet Seat Tilt & Back Recline, art.nr: 95944-1.

### When is a shock absorbing back used?

A wheelchair may need to be equipped with a shock absorbing back if the user pushes back against the back support, for example due to significant increase in muscle tension, or spasticity. A shock absorbing back can also be used if the user for other reasons rocks against the back support. An assessment is necessary in each individual case to determine if the solution is beneficial for the user.

*Note that these are general recommendations. Contact HD Rehab, your local healthcare office, or equivalent to consult on individual cases.*

### Keep in mind

- Reinforced wheelchairs are generally used by users who subject the wheelchair to higher wear. HD Balance in reinforced configuration is adapted to be able to handle these strains. However, there are some users who because of their particular movement patterns or other circumstances can damage a reinforced wheelchair.
- If the movement patterns and behaviour of the user is such that the wheelchair is equipped with frame reinforcement and/or shock absorbing back, maintenance must be performed more carefully and more frequently. The lifespan of the wheelchair in these cases is shortened to 5 years.
- A shock absorbing back can in some cases trigger a user towards a negative movement pattern, that is to say rocking or increased pressure against the back support. Need for a shock absorbing back must be assessed in each individual case.
- When a wheelchair has a reinforced frame it is marked with a label (B). This label is placed on wheelchairs with an alternative configuration that can involve increased risks (see document 95707-1).

B

