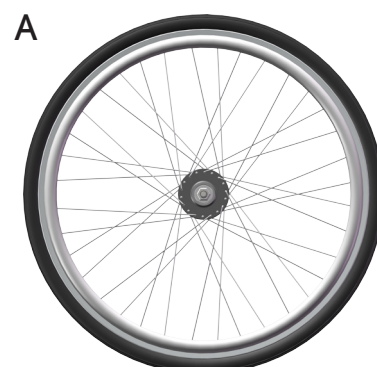


Drive wheels 22"

HD Motion in standard configuration has 22" drive wheels (A). These are equipped with a quick-release in the wheel hub. The 22" model is appropriate for users who drive the wheelchair independently some or all of the time. This model passes somewhat more easily over obstacles such as curbs.



Alternatively the wheelchair can be equipped with 20" or 24" drive wheels. 20" wheels are used primarily to reduce the seat height (combined with re-positioning the castors in the castor forks). 24" wheels are used to increase the seat height or to make it easier to reach the hand rims. This is combined with re-positioning the castors. See Technical Information, document number 96720-1. Further information regarding seat height is provided in the Info Sheet *Seat Height*, doc.nr. 96911-1.

Tyres - Characteristics

As standard the wheels are equipped with pump- and puncture-free tyres made of polyurethane (PUR). Polyurethane has good shock absorption, low weight, and good durability.

Tyres - Alternatives

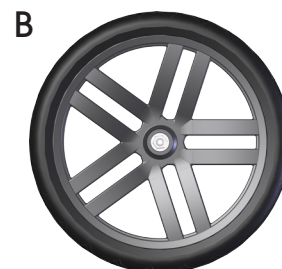
As an alternative to polyurethane pneumatic tyres are available. Pneumatic tyres have low rolling friction and give good shock absorption, but require maintenance in the form of inflation. If the wheelchair is equipped with pneumatic tyres the recommended air pressure is given on the tyres.

Cambering

HD Motion with 22" drive wheels has 6° camber as standard. The wheelchair can be equipped without camber if desired. This applies also for 20" and 24" drive wheels. If 24" drive wheels are used with 6° camber conflicts may arise, so 0° camber is recommended.

Transport wheels 16"

The transport model of HD Motion has 16" drive wheels (B). These are equipped with a quick-release in the wheel hub. The 16" model is for users who do not drive independently. This model makes it possible for the caregiver to come closer to the user in a care situation. Transferring sideways, e.g. from a bed to the wheelchair, is also easier with smaller drive wheels.



Tyres - Characteristics

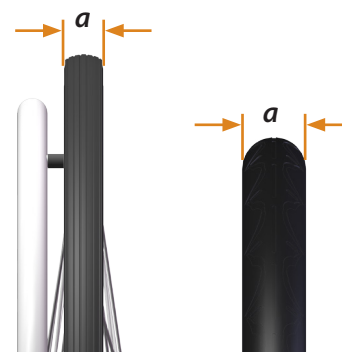
As standard the wheels are equipped with pump- and puncture-free tyres made of polyurethane (PUR). Polyurethane has good shock absorption, low weight, and good durability.

Tyres - Alternatives

The 16" wheels can also be equipped with pneumatic tyres. For characteristics of these tyres see above under Drive wheels 22".

Table 1 - Drive wheel alternatives

	a	a
	20", 22", 24" wheels	16" wheels
PUR	1-3/8"	1,75"
Pneumatic	1"	1,75"



Castors

Both HD Motion model 22 and 16 are equipped with pump- and puncture-free castors measuring 150 x 30 mm (C). The wheel track is made of polyurethane (PUR). As an alternative the wheelchair can be equipped with smaller castors, 125 x 27 mm, with rubber wheel tracks.

The castor forks have 5 holes. The hole used depends on which drive wheel is used, see Technical Information, doc.nr. 96720-1.

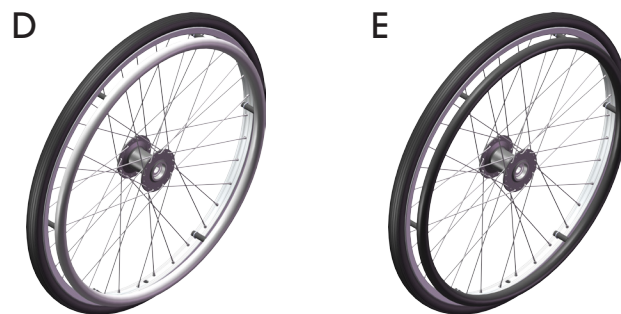
Table 2 - Castor alternatives

b x c	Material
150 x 30	PUR
125 x 27	Rubber



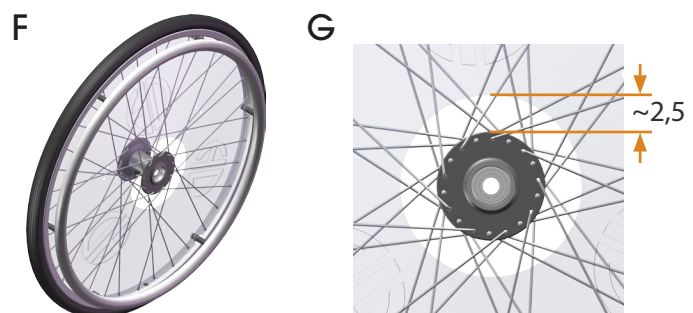
Hand rims

Hand rims for HD Motion 22 are available in two materials; Stainless steel which has high durability (D), or soft grip (plastic coated) if better grip is needed (E).



Spoke protectors

Spoke protectors are available to be mounted on 20", 22", and 24" drive wheels (F). The gap between the wheel hub and the spoke protector is approximately 2,5 cm (G).



Keep in mind

- Pneumatic wheels generally roll well but this characteristic changes if the tyre is not properly inflated.
- Hand rims cannot be removed as they contribute to the strength of the wheel construction.
- If 24" drive wheels are used with 6° camber conflicts may arise, so 0° camber is recommended. Contact HD Rehab for further information.

Article Numbers

All article numbers are included in the Ordering Guide, document number 96750-1.