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HOGGI®

Made in Germany
SWINGBO-VTi
by HOGGI 

SWINGBO-VTi



The new System - Wheelchair for kids



• Tilt function close to balance point / tilt from -5° to $+45^{\circ}$

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Partnering together to mobilise kids

SWINGBO-VTi



Push-bar, detachable

Push-handle, detachable

Push-bar, foldable

Push-handle, foldable

The advancement of the innovative dispensing approach

SWINGBO-VTi is the result of the consequent further development of the innovative **SWINGBO** dispensing approach.

The new tilt mechanism offers a more comfortable handling.

Different variants of push-bars and push-handles as well as different variants of backrest panels allow many possibilities of seat configurations:

- Adjustable tilt in space: -5° to $+45^{\circ}$
- Backrest panels angle adjustable or foldable
- Growth adaptation for seat depth and backrest height
- Foot rest system with 90° or angle adjustable knee angle
- Foot rest system adapted on the seat frame
- Foot rest bracket angle adjustable, flip up type, with optional lock
- Foot rest with or without heel stop
- Seat widths are available in 24 cm, 26 cm, 28 cm, 30 cm, 32 cm and 36

The frame of the chair is designed as an abducted variation.

The seat depth can be grown by approximately 8 cm and the backrest height by approximately 9 cm.

SWINGBO-VTi - frame colours

Traffic yellow

Flamed

Skyblue

Yellow-green

Grey aluminium

Special colour on request

SWINGBO-VTi

SWINGBO-VTi - the modular concept

In order to supply the **SWINGBO-VTi** to meet the needs of individual kids the chair is made with a modular construction system.

Mobility base, seat panels, backrest panels and footrest systems can be ordered in any combination separately. Therefore many possible variations are available:

The chair can be configured with mobility base and totally modular seat and backrest panels with our standard cushions, partly modular and partly ready for custom seating or seat only that can be fit with totally custom seating solutions.

The seat unit is made of aluminium- and metal- components and offers so called positioning opportunities and individual finishings. The seat unit consists of seat frame, seat adaptors, seat- and backrest panel.

Also the converting from one size to the next size conforms to the modular concept.

The **SWINGBO-VTi** offers solutions for growth and possible changing needs associated with progressive medical diagnoses.

SWINGBO-VTi - the active wheelchair

The essential preconditions for active riding are:

- The ideal positioning of the shoulder axle in relation to the rear wheel („active degree“). Therefore the seat unit of the **SWINGBO-VTi** is adjustable continuously and allows the stepless adjustment of the „active degree“.
- An individually adjustable seat angle. The mechanism of the adjustment of the seat angle is especially designed so that the pivot is close to the balance point. The position of the pivot is during the tilt process nearly unmodified.
- An individually adjustable backrest angle (in increments).
- Very low weight

With the weight of 15 kg (basically configured / seatwidth 28) the **SWINGBO-VTi** (as a wheelchair with growth capacity and with a fixed seat unit) is able to mess with exclusive „active wheelchairs“ without growth capacity!



SWINGBO-VTi
with accessories

Basic configuration

- Adjustable seat unit (Active degree)
- 45° tilt

SWINGBO-VTi

SWINGBO-VTi - configuration variations



Seat panel

Backrest panel: Angle- and height adjustable

Backrest panel: Trough shaped and height adjustable

Knee angle system: 90°

Knee angle system: Angle adjustable



Single foot rest hanger with two single footplates in boat shape

Foot rest bracket with flip up lock

Foot rest

Foot rest with heel stop

Seat cushion



Backrest cushion for angle- and height adjustable backrest

Backrest cushion for trough shaped height adjustable

Spoke guard (transparent or coloured)

Double anti tippers

Tie down



Headrest standard: With cushion

Universal headrest bracket

Headrest with occiput upholstery

Trunk supports

Chest-/thoracic support



Armrests with PU pads (also available with tilt balancing)

Therapy tray

Lap belt

4-point lap belt

Ankle hugger

SWINGBO-VTi

SWINGBO-VTi - wheels & hand rims



Rear wheel **HOGGI** light with pneumatic tires 20", 22", 24"

Rear wheel with drum brake 20", 22", 24"

Front castor with solid rubber tires 100x32 mm, 125x32 mm and 140x40 mm

Skater wheel with illuminating diode 100x24 mm and

PU- front castor with design aluminum rim 100x32 mm and 125x32 mm



Rear wheel with PU-tires 20", 22", 24"

Stainless steel hand rim

Aluminium hand rim

Hand rim diameter: „standard“

Hand rim diameter: „high“

Push-rim cover: silicone, black

SWINGBO-VTi - adjustment- & positioning possibilities



Adjustment range (Active degree)

Backrest angle (foldable)

Backrest angle (detachable)

Backrest height

Seat depth



Seat angle

Seat height

Standard lever wheel lock

Lower leg length and footrest angle

Hand rim mounting („tight“ or „wide“)

SWINGBO-VTi - Technical data

Seat width	24	26	28	30	32	36
Seat depth	26-30 cm	26-32 cm	26-34 cm	28-36 cm	30-38 cm	34-42 cm
Backrest height	33-42 cm	35-44 cm	37-46 cm	39-48 cm	42-51 cm	46-55 cm
Seat angle	-5° to +45°					
Backrest angle	angle- and height adjustable					
	75°-115° oder von 80°-120° (in 10° steps)					
detachable push handle / push bar	85°-105° (in 5° steps)					
Lower leg length	16-37 cm					
Footrest angle	-10° to +10°					
Seat height	37-47 cm					
Rear wheel diameter	20", 22", 24"					
Front castor diameter	100 mm (4"), 125 mm (5"), 140 mm (5,5")					
Camber	3°, 6°, 9°					
Load capacity	60 kg					

SWINGBO-VTi - details

Basic configuration:

- Powder coated aluminium rigid frame with centre of gravity tilt in space
- Double wall rear wheels incl. push rims with light weight tires,
- Detachable by quick release axle • Radstand einstellbar in 2,5 cm Schritten
- Wheel camber selectively 3°, 6° or 9°
- Wheel locks integrated in side panels
- Maximum load 60 kg
- Seat depth adjustable by approx. 8 cm
- Choice of seat width in 2 cm steps from 24 cm - 32 cm and 36 cm
- Adjustable tilt in space: -5° to +45°
(The tilt mechanism can be limited if the seat height is low, the active degree is low or if the armrests are adjusted lowly.)
- Adjustable seat height
- Push-handle or push-bar included
- Double anti tippers

Optional:

- Two backrest variations
- Drum brake wheels
- Seat and backrest cushion
- Belts

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