



# HOSPITAL SOLUTIONS

*Haelvoet bed range*

# DO YOU

## 1. *One-piece sideguards* covering the entire bed length

One-piece sideguards offer maximum safety over three-quarters or the entire bed length.



# CHOOSE...

## 2. *Two-piece sideguards*

Two-piece sideguards not only offer flexibility when needed, but also a lot of advantages when it comes to fall prevention, mobility and maintaining the patient's autonomy.



# 1. ONE-PIECE SIDEGUARDS

*One-piece sideguards offer maximum safety over three-quarters or the entire bed length.*



## ATMOSPHERE

The **Atmosphere sideguards** offer maximum patient safety in each bed position. The sideguards constitute one unit, protect the patient over 3/4 of the bed length and can be lowered by means of an easy locking mechanism.

The optional **Atmosphere sideguards with 4 siderails** make it possible to use mattresses with a thickness up to 22 cm.



## TRIX

**Three durable aluminium siderails** offer extra safety over the entire bed length. The sideguards can only be lowered by using your both hands. This central safety system prevents the sideguards from being lowered unintentionally.

Max. mattress height Trix sideguards: 16 cm.

### NO RISK OF GETTING STUCK IEC 60601-2-52

All Haelvoet one-piece sideguards comply with safety norm IEC 60601-2:52. This harmonised European norm prescribes the distance between the sideguards and the head section (< 60 mm), between the mattress platform and the sideguards (< 120 mm), between the siderails (< 120 mm), and between the sideguards and the foot section (< 60 mm or > 318 mm).



## TRIX

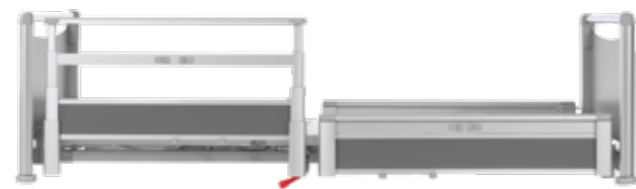
*telescopic system*

An **integrated telescopic system** makes sure that the Trix sideguards - even when the bed is extended - cover the bed sides over the entire length.



## 2. TWO-PIECE SIDEGUARDS

Two-piece sideguards not only offer flexibility when needed, but also a lot of advantages when it comes to fall prevention, mobility and maintaining the autonomy of the patients.



### TWIN

These two-piece sideguards are available as a **single** or **double** version. The double version offers safety over the entire bed length. Twins sideguards can also be used as a raising aid. An integrated safety system prevents the sideguards from being lowered unintentionally.

Max. mattress height Twin sideguards: 18 cm.



### DUOSAFE

DuoSafe panels protect the patient over 3/4 of the bed length. By means of **integrated controls (\*)** both the patient and the nursing staff can activate bed functions and certain optional room facilities.

Max. mattress height DuoSafe sideguards: 19 cm.

Even when it is extended, the bed complies with safety norm IEC 60601-2:52, because the gap between the sideguards and the foot section is large enough to prevent somebody from getting stuck (> 318 mm).

(\*): option

### NO RISK OF GETTING STUCK IEC 60601-2-52

All Haelvoet two-piece sideguards comply with safety norm IEC 60601-2:52. This harmonised European norm prescribes the distance between the sideguards and the head section (< 60 mm), between the mattress platform and the sideguards (< 120 mm), between the siderails (< 120 mm), between two-piece sideguards (< 60 mm or > 318 mm) and between the sideguards and the foot section (< 60 mm or > 318 mm).



### TWIN

Complete safety

In case **the bed is extended**, a Twin extension piece has to be used to guarantee maximum safety.

## DuoSafe sideguards

The DuoSafe sideguards guarantee a flexible fall prevention of the patient. By means of the integrated controls, both the patient and the nursing staff can activate the bed functions.



### MOBILITY SUPPORT

The ergonomic side panel offers the patient the necessary support when he wants to get up or walk around the bed. Thanks to the strategic position of the **high-low button**, the mattress platform can be lifted while the patient holds on the sideguards. To limit the risk of getting stuck, there is no gap between the bed and DuoSafe.



### COMFORTING DESIGN

Comfort and rest improve the patient's mental condition and speed up the recovery process. Thanks to the openings in the DuoSafe sideguards, the patient can look aside when he is lying in bed. This **visual contact with the environment** is widely considered comforting.



### PRIME

*Bed panel with a unique handle*

The vertical handles make it possible to have a better grip when moving the bed or activating the bed functions. The hands of the nursing staff are protected while moving the bed.

# Keypads DuoSafe

## KEYPAD - NURSING

All functions within reach

Situated on the outside of the DuoSafe sideguards, the nurse control panel is more tactile than ever before. It is equipped with all functions to put the patient in the desired seating, lying or reading position. Additional functions make it possible for the nursing staff to lock the bed functions and to check the bed position and battery status in the blink of an eye.



## KEYPAD - PATIENT STANDARD

Intuitive and within easy reach

The patient panel with integrated background lighting makes it possible to activate the bed functions by means of a touch panel that is within easy reach. The position of the patient buttons makes it possible to activate the bed functions while lying, sitting or getting up.



## KEYPAD - PATIENT SMART

Patient empowerment

The intelligent version of the patient panel adds some extra functions to the standard version, such as the activation of room facilities and the possibility to connect to the nurse call system.



The **background lighting** increases the patient's self-reliance at night. The function buttons illuminate when touched.

# Safety first

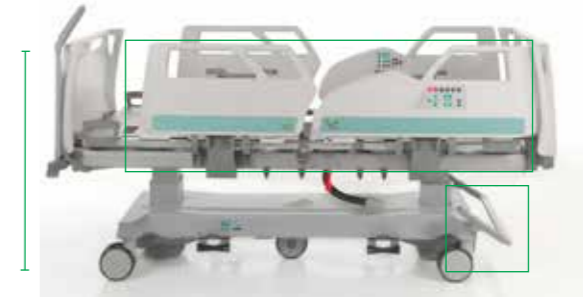
The keypads of the DuoSafe sideguards are equipped with an indicator that immediately shows you whether the bed is in a safe position or not.

## SAFE BED POSITION

Green light



- ✓ The bed is in its lowest position
- ✓ Sideguards in the highest position (option)
- ✓ Central brake is activated (option)

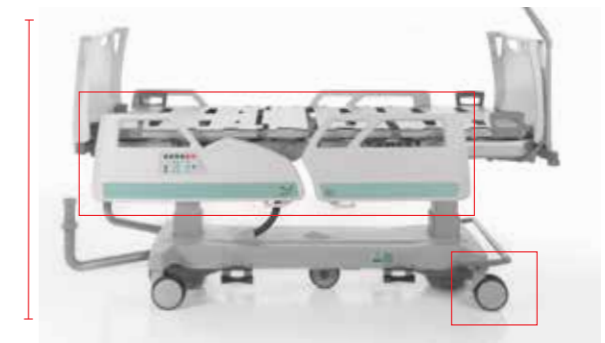


## UNSAFE BED POSITION

Red light



- ✗ The bed is **not** in its lowest position
- ✗ Sideguards **not** in the highest position (option)
- ✗ Central brake is **not** activated (option)



## HIDDEN LEVER

with focus on ergonomics

The DuoSafe sideguards can be activated very fluently and easily **with only one hand**. The ergonomic grip has been hidden in the design itself. Thanks to this, **no parts stick out** of the sideguards.

The DuoSafe sideguards are equipped with a special damping mechanism. The movement downwards is slowed down, which increases the patient's comfort and avoids any disturbing noises while resting.



## User-friendly design

The DuoSafe sideguards and Prime panels meet the needs of the users. In this respect, a clever design and a durable use of materials is of the utmost importance.

### SUPERIOR FUNCTIONALITY

Two **multifunctional hooks** on both sides of the DuoSafe sideguards make it possible to install and use accessories fast and easily. Two integrated **inclination indicators** show the inclination level of both the backrest and the mattress platform. The bed bumpers can be equipped with optional cases for the manual control or accessories.



### EASY TO CLEAN

Thanks to their clever design and **smooth synthetic surface**, the DuoSafe sideguards can be cleaned very fast and easily. The built-in keypads constitute no obstacle.



### CENTRAL LOCKING MECHANISM

The central locking mechanism in the middle of the Prime panel makes it possible to **remove or put back the bed panel fast and easily**.



## Bed panels

Our bed structure makes it possible to choose from different bed panel types. Each panel is characterised by its clear lines and keen eye for detail.

		ATMOSPHERE	TRIX	TWIN	DUOSAFE
Type 1: Vela		○	×	×	×
Type 2: Jaro		○	○	○	×
Type 3: Prime		○	×	○	○

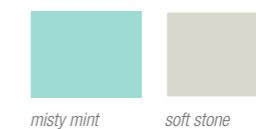
○ : Possible    × : Not possible



### REMOVABLE PANEL

All head and foot panels can be easily removed without needing any tools. The removed **synthetic Prime panel** can stand independently on the ground without any problems.

The decorative strips on the Prime panels and DuoSafe sideguards are standard available in two colours.



# The Hospital Solutions apply to the following Haelvoet beds



**ARON+**  
*Perfect harmony*

The Aron+ bed is a height-adjustable multifunctional column bed that maximizes both the patient comfort and the user-friendliness. The open carriage is ideal to clean the area under the bed.



**OLYMPIA**  
*comfort in style*

The Olympia hospital bed: tested, durable and safe. An utmost stable high/low adjustment by means of supporting arms combined with a highly functional design make this bed an all-rounder.



**LAGO**  
*Safety and comfort*

Safety and comfort go hand in hand with the Lago bed. A low bed position of ± 25 cm reduces the risk of falling, whereas the ergonomic working height of ± 80 cm guarantees efficient care.



**ARTENA**  
*Elegant certainty*

The Artena bed is a height-adjustable bed that meets the high quality, design and functionality requirements, with which both the patient and nursing staff are confronted daily.

# Possible combinations

	ARON+	OLYMPIA HOSPITAL	LAGO HOSPITAL	ARTENA HOSPITAL
<b>SIDEGUARDS</b>				
Atmosphere	○	○	○	○
Trix (Only with Jaro bed panel)	○	○	○	○
Twin	×	○	○	○
DuoSafe (Only with Prime bed panel)	○	○	×	○
<b>BED PANELS</b>				
Vela	●	●	●	●
Jaro	○	○	○	○
Prime	○	○	○	○

● : Standard    ○ : Option    × : Not possible



Haelvoet makes sure that its excellent price-quality ratio is not at the expense of the environment. Our company considers durability – in all possible meanings – of paramount importance. All our products have a long lifespan and are delivered with a 15-year-guarantee on construction errors.



The Hospital Solutions products are made in accordance with ISO 9001:2015 and ISO 13485:2016, and comply with the EU Medical Device Regulation EU 2017/745 and all other applicable European harmonised norms:

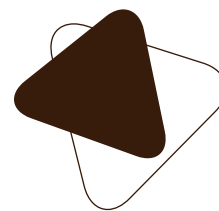
EN 60601-1 Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.

EN 60601-1-2 Medical electrical equipment - Part 1-2: General requirements for safety and essential performance - Secondary norm: Electromagnetic compatibility - Requirements and tests.

EN 60601-2-52 Medical electrical equipment - Part 2-52: Particular requirements for basic safety and essential performance of medical beds.

EN ISO 14971 Application of risk management to medical devices.





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