

Clinic and Hospital Beds







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IMPULSE KL

Safety. Comfort. Functions.

With a flexible configuration that can be adapted to almost any application in clinics and hospitals, the IMPULSE KL hospital bed is a versatile all-rounder in inpatient care.

With extensive fixtures and fittings such as a radiolucent back rest, centred castor for improved manoeuvrability, an acoustic brake alarm, additional hand controllers etc., the IMPULSE KL can flexibly adapt to requirements on the ward.

Its universal benefits and excellent product quality offer economic advantages through long-term planning and investment security.





Increased comfort for patients: the automatic chair position improves spatial orientation. The mattress compensation of the back rest effectively relieves pressure in the seat area.

Carers are subjected to tough physical demands on a daily basis. Rapid motorised adjustment of the care height improves ergonomics in the daily care process. The stable, vertically retractable side rails system reliably ensures the safety of patients and offers support when repositioning patients.



Fast reactions in the event of an emergency: the shock position can be activated via a button on the staff controller. The mechanical CPR lever that is accessible on both sides enables the back rest to be lowered immediately. To provide better emergency care with optimal access to patients, the head/foot boards on the IM-PULSE KL can be removed in seconds by using the quick release mechanism.



Mobilising side rail system



Increased flexibility with the vertically retractable side rail system on the IMPULSE KL: the stable and elegant aluminium safety elements can be set to four height positions for various applications.

The telescopic version with its convenient one-handed operation does not require any lateral space and is easy to access and use even in small rooms or in close proximity to furniture and bedside cabinets.

The well-designed construction of the safety element at the head end can directly support patients as a stable mobilisation rail.

An ISO accessory rail that is integrated in the side rails at the foot end serves as a practical accessory holder for urine or drainage bags, for example.



Quick and easy to use thanks to the intuitive one-handed operation on the vertically retractable side rail system.

Repositioning

A slightly raised handrail in this position creates a tactile boundary around the sleeping surface to prevent patients unconsciously rolling out of bed. Equally, it makes repositioning easier since patients can use the handrail at mattress level to remain in a lateral position while the care staff clean their back or change the bed pad, for example.



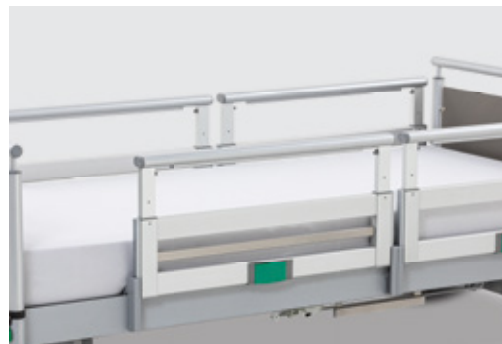
Stable mobility aid

The mobility-supporting side rail position provides patients with a stable grab handle with an appropriate radius that enables them to get into or out of bed safely.



Safety

In addition to a simple protective height, the vertically retractable side rail system has an extended height position that is achieved by using the telescopic handrail.

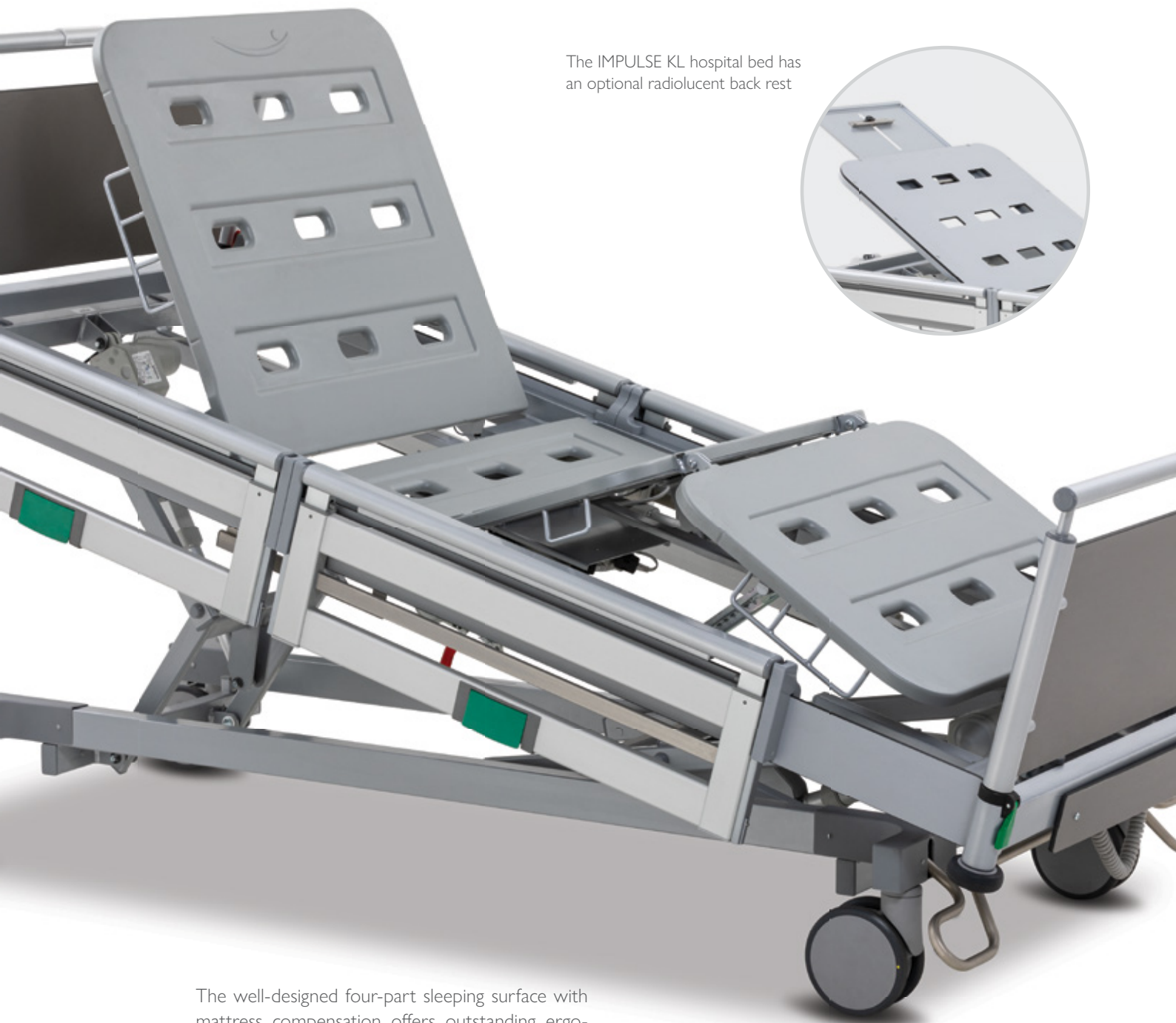


Rest position

In the rest position, the side rails provide care staff with unrestricted access to patients.



Sleeping surfaces

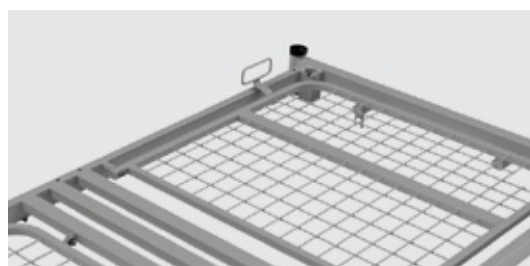


The IMPULSE KL hospital bed has an optional radiolucent back rest

The well-designed four-part sleeping surface with mattress compensation offers outstanding ergonomics and a high degree of comfort for patients.

High-quality ABS plastic layers make it easy to clean and disinfect and especially suitable for sensitive areas in clinics and hospitals.

Beds with special dimensions such as the bariatric hospital bed IMPULSE KL Edition XL are equipped with a stable Metal Grid Lying Surface.



Metal Grid Lying Surface

Integrated bed extension

Daily changing patients require staff and products to be flexible. The standard version of the IMPULSE KL hospital bed with the undercarriage configuration has an integrated bed extension so that the sleeping surface can quickly be extended without the use of any tools. This is possible in two stages, with each one being extended by 10 cm.

For an extension of 20 cm, an optional mattress insert is optionally available.



The quick release mechanism is especially user-friendly with the IMPULSE KL Edition 300.



Possible configurations



IMPULSE KL with undercarriage Edition 300

Hospital bed with universal properties

The versatile IMPULSE KL Edition 300 hospital bed can be used in almost any areas in clinics and hospitals. With an optionally available fifth castor, the universal bed offers perfect manoeuvrability for frequent patient transports. In this configuration, the bed extension is equipped with a comfort release mechanism (see P. 9).

- Height adjustment 36 - 86 cm
- Mobilising side rail system
- Warm dark grey (0755FH) finish

Features of the IMPULSE KL Edition 300

- ABS hygiene plastic sleeping surface (four-part)
- Tool-free removable head/foot boards
- 3-stage brake system with fixed direction
- CPR function electrical and manual
- Integrated bed extension up to 20 cm
- Mobilising side rail system
- ISO standard rails on both sides in the side rails and below the sleeping surface
- Good manoeuvrability with 150mm twin castors

Possible options:

- Fifth castor for improved manoeuvrability
- Radiolucent back rest
- Brake alarm
- Special widths (80 cm / 100 cm)
- Free choice of finish

IMPULSE KL

with undercarriage Edition XL

Bariatric hospital bed

The IMPULSE KL with undercarriage Edition XL is designed to meet high requirements. Its robust, 100cm wide Metal Grid Lying Surface and special bariatric drives are designed for daily use with patients weighing up to 235 kg. 150mm twin castors with a central brake ensure the bed can be moved safely. The swivelling aluminium side rails can withstand high loads and are equally suitable for use as stable mobility aids.



- Height adjustment 36 - 86 cm
- Safe working load up to 300 kg
- Split folding side rails
- Warm dark grey (0755FH) finish



Features of the IMPULSE KL Edition XL

- Stable Metal Grid Lying Surface (4-part)
- Tool-free removable head/foot boards
- 3-stage brake system with fixed direction
- CPR function electrical and manual
- Integrated bed extension up to 20 cm
- Split folding side rails (GS)
- Easy manoeuvrability thanks to 150mm twin castors

Possible options:

- Fifth castor for improved manoeuvrability
- Radiolucent back rest
- Brake alarm
- Free choice of finish
- Universal hooks



Control functions

Intuitive patient hand controller & staff controller



Safety

Safe handling and intuitive ease of use during the care process are prerequisites if a medical product is to be accepted. The IMPULSE KL has a modern operating concept with a patient handset and staff controller. This means that individual buttons can be selectively locked and authorised care staff can be given access to emergency functions. For easy and safe application and long-term relief in everyday care.



Emergency care

React quickly in an emergency at all times thanks to the shock position and CPR functions on the staff controller. Additionally, all hospital beds have a mechanical CPR release in the back rest and removable head/foot boards to ensure fast access.



Flexibility

The staff controller can be stored both in the head/foot boards and in the linen holder, while an automatic locking function prevents it from being operated accidentally. In addition to the controller, up to two patient handsets can be connected to the bed. These are available in a horizontal and vertical version.

Features and options

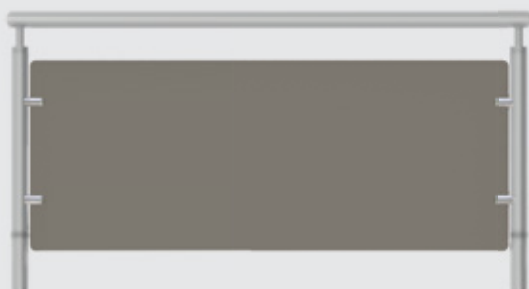
IMPULSE KL	Edition 300	Edition XL
Low position/access height	36 cm	36 cm
Care and examination position	86 cm	86 cm
Fall prevention	•	•
Automatic chair position	•	•
Trendelenburg positioning (lockable)	•	•
CPR emergency lowering	•	•
Back rest mattress compensation	•	•
Bed extension 10 cm/20 cm	•	•
Linen holder	•	•
Twin castors	150 mm	150 mm
Single castors	◦	◦
Fifth castor	◦	◦
Central brake	•	•
Single castor brake	-	-
Brake alarm	◦	◦
EVGS side rails with one-handed operation)	•	-
Split folding side rails (GS)	◦	•
Folding side rails	-	-
Drive system with safety extra-low voltage	•	•
Hand controller with locking function	•	•
Additional hand controller	◦	◦
Mattress holder	•	•
ABS sleeping surface	•	-
Metal Grid Lying Surface	◦	•
Metal slat reclining surface	◦	◦
Radiolucent back rest	◦	◦
ISO standard universal hook	◦	◦
Head/foot boards that can be removed without tools	•	•
Under bed lighting	◦	◦

• Standard ◦ Optional

Specifications

Dimensions and weight	Edition 300	Edition XL
Sleeping surface	200×90 cm	200×100 cm
Outer dimensions	216×106 cm	216×116 cm
Safe working load	Max. 250 kg	Max. 300 kg
Under bed clearance	17 cm	17 cm
Total weight	Approx. 120 kg	Approx. 160 kg

Head/foot boards



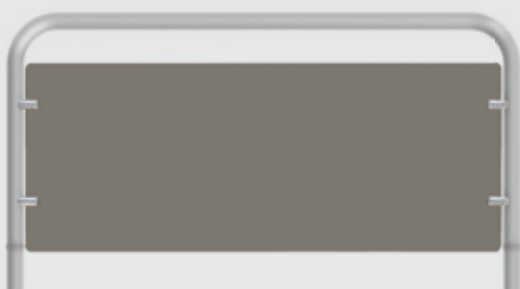
V1000 (powder-coated)

- Round tube handrail, removable head/foot boards
- High version with opening at the top
- No recesses in the filler panel
- Optional stainless steel version



V1141 (chrome-plated, screwed)

- Removable head/foot boards, non-removable head/foot boards
- High version without circumferential gap
- External reinforcement with steel rail
- Lateral recesses in the filler panel for attaching the removable side rails



V2000 (powder-coated)

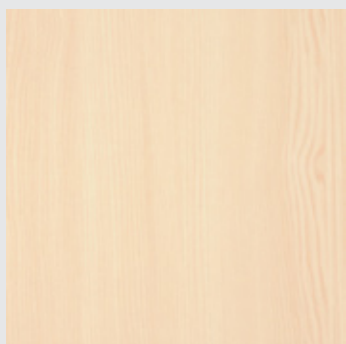
- Round steel bracket, removable head/foot boards
- High version with opening at the top
- No recesses in the filler panel



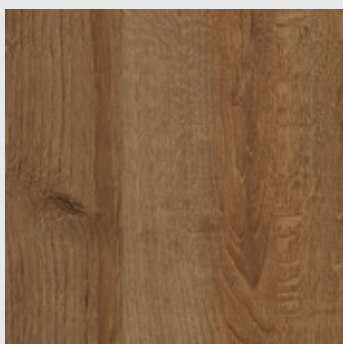
V2141 (chrome-plated, screwed)

- Round steel bracket
- High version without circumferential gap
- External reinforcement with steel rail
- Lateral recesses in the filler panel for attaching the removable side rails

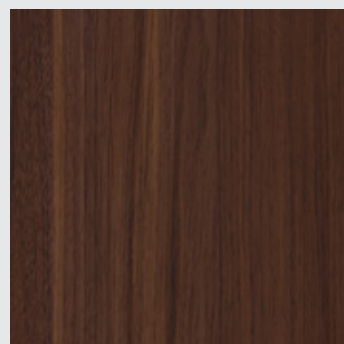
Wood veneers and finishes



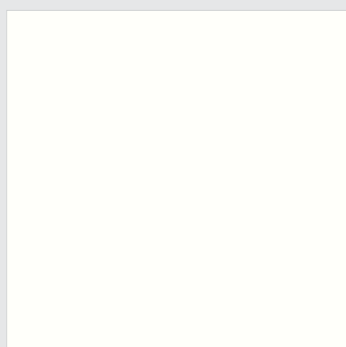
Plain maple 0102 FH



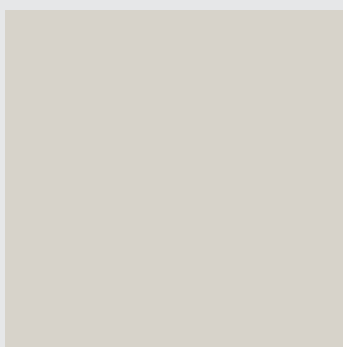
Charles 0538 FH



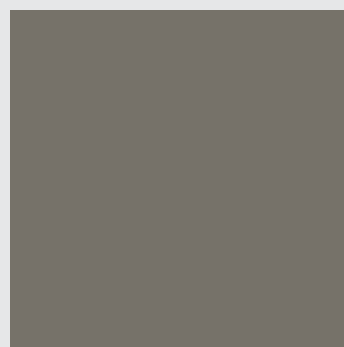
Tosca 0269 FH



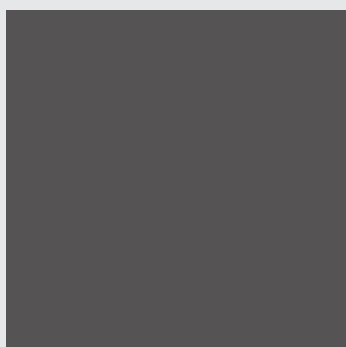
White 0085 FH



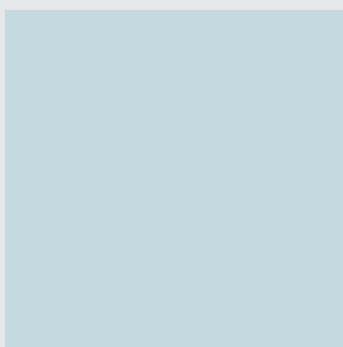
Birch Grey 0741 FH



Warm dark grey 0755 FH



Graphite grey 0077 FH



Glacier Blue 0706 FH



Lamar 0023 FH

Accurately colour-matched design selection only with the original pattern. Similar alternative designs from other manufacturers may be used in the event of unavailability. More designs at bettenmalsch.com

Hospital beds for acute care

The multi-functional acute hospital beds HB-4010 and HB-4020 ICU with easy-care plastic components offer a high degree of flexibility, outstanding mobility and intuitive operation. The homogeneous nature of the plastic surfaces means that they can quickly and easily be prepared.

Hospital bed HB-4010



With a secure working load of 270kg and modern control technology, the HB-4010 is a solid standard for in-patient care in acute hospitals. The staff controller gives carers access to a wide range of care functions.

Further information on
page 18

Features:

- Integrated bed extension
- Automatic chair position
- Trendelenburg/reverse-Trendelenburg position
- Side rails with one-handed operation
- Wall bumper surrounding the bed
- CPR emergency lowering
- Angle displays for back rest and sleeping surface
- Accessory holders for lifting poles and IV drip holder
- Central brake with directional locking
- Foot brake 2x with colour coding



Hospital bed HB-4020 ICU



The new intensive care bed with an integrated weighing system is perfect for use in dialysis and intensive care. The angle indicator that is installed in the side rails enables the bed and sleeping surface to be positioned according to the medical indication.

Features:

- Integrated weighing system
- Patient operation from side rails
- Automatic chair position
- Trendelenburg/reverse-Trendelenburg position
- Plastic side rails with one-handed operation
- CPR emergency lowering
- Integrated bed extension
- Wall bumper surrounding the bed
- Angle indicator for back rest and sleeping surface
- Central brake with directional locking
- Foot brake 4x with colour coding



Features and options

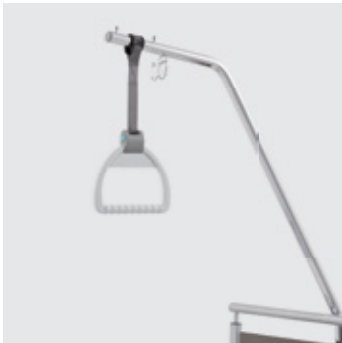
Available functions	HB-4010	HB-4020 ICU
Automatic chair position	•	•
Fowler's position	•	•
Trendelenburg/reverse Trendelenburg position	•	•
Integrated weighing system	-	•
Operating button integrated in side rails	◦	•
Electrical CPR emergency lowering	•	•
Mechanical CPR in back rest	•	•
Back rest mattress compensation	•	•
Integrated bed extension to 20 cm	•	•
Radiolucent back rest	◦	◦
Care staff control console	•	•
Linen holder	•	•
Central brake with control function	•	•
Plastic side rails with one-handed operation	•	•
Fifth castor	◦	◦
Brake alarm system	◦	◦
Angle displays for back rest and sleeping surface	•	•
ABS sleeping surface	•	•
Tool-free removable head/foot boards	•	•

Specifications

Specifications	HB-4010	HB-4020 ICU
Sleeping surface	85x195 cm	90x200 cm
Outer dimensions	98x202 cm	103x220 cm
Safe working load	270 kg	270 kg
Height adjustment	40 - 80 cm	40 - 87 cm
Back rest adjustment	0 - 73°	0 - 70°
Thigh rest adjustment	0 - 33°	0 - 34°
Trendelenburg/reverse Trendelenburg position	16° / 19°	16° / 19°
Back rest regression	120 cm	120 cm
Under bed clearance	185 mm	150 mm
Single castors Ø	150 mm	150 mm
Total weight without accessories	150 kg	160 kg

• Standard ◦ Optional

Extract from the accessories range



Lifting pole



IV-pole
Straight plastic/stainless steel
Bent plastic/stainless steel



Bedside cabinet WK III-M with minibar



Bedside cabinet WK III



Bedside cabinet WK I



Server WXL



O2-horizontal bottle holder



O2-vertical bottle holder



Urine bottle basket
for DIN standard rail



Universal hooks

Our extensive range of furniture and accessories can be found in separate catalogues.

We will gladly send you a copy in the post. Alternatively, the PDF file is available for download at de.bettenmalsch.com/download.

Malsch GmbH

Rohbergstr. 9 | D-36208 Wildeck, Germany

Tel.: +49 (0) 6626 915-100

Fax: +49 (0) 6626 915-116

E-mail: info@bettenmalsch.de

bettenmalsch.com

