



aks



MAIN
CATALOGUE

Efficient aids for patient care

Mobile patient hoists • Overhead lifts • Transfer aids • Anti-decubitus systems: Mattresses & seat cushions • Care beds



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Made in
Germany



The extraordinary variety of
mobile solutions
for all nursing and care environments



Mobile aks patient hoists and aks hoist slings

From the top-selling standard hoist in Germany, *foldy*®, to the *goliath*® bariatric hoist, aks, a German manufacturer of medical equipment, has a complete range of mobile patient hoists designed to be very user-friendly for both users and carers. Our mobile patient hoists are suitable for residential homes, hospitals, nursing homes or can be used in the comfort of your own home. In addition to standard functions such as lifting, transferring and moving a person, as a convertible hoist, the *dualo*®, for example, has the advantage of converting into a standaid very easily. Another option is the *foldo*®, which can swivel to enable hoisting into and out of built-in baths where a normal hoisting is not possible.

aks provides a wide range of suitable **hoist slings** for the various patient hoists. The slings are designed and manufactured for special requirements when using such aids. Our top priorities are quality, comfort and safety. Whether children, adults, light or heavyweight persons, at home, in the bath, in care homes, rehabilitation centres or clinics, aks provides appropriate solution concepts for many different application areas.

High-quality materials and professional workmanship enable high loads and guarantee long service life for our hoist slings. Among other things, flexibility is distinguished by adjustable, colour-coded sling loops. Pleasant and safe seating and lifting comfort are provided to the patient. With easy handling, care work also becomes easier, safer and easy on the back.

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foldy® micro

The XS among the aks standard hoists



The foldy® micro has been designed to be even smaller, more manoeuvrable and more functional.

The advantages of the foldy® micro:

- Small dimensions, even smaller than the foldy® mini
- Ideal for small rooms and extremely narrow doorways
- For smaller individuals and children
- Max. load capacity 130 kg
- Plug-in stand mast, easy to remove without tools (picture 2)
- Ideal travel companion, easy to stow
- Easy, uncomplicated handling
- Hand control with large buttons
- Mechanical spreading of the chassis per foot lever
- Highly stable thanks to robust construction
- Effortless take-up of persons directly from the floor
- Greater safety due to mechanical emergency lowering (picture 1) and emergency stop button in the event of electrical faults
- Visual and acoustic warning against deep discharge of the rechargeable battery on activation of the hand control
- Independent of the mains power supply due to battery-powered operation



Options and accessories

- Battery pack with separate charging station on the wall
- Many hoist slings, various spreader bars and hoist scales

Order numbers

foldy® micro – 80212

Standard spreader bar incl. padding – 89139

Tandem spreader bar incl. padding – 89190

foldy® mini

The small original that is really big

The compact standard hoist, foldy® mini, was developed as a mobility aid designed for easier transportation and for use in smaller rooms. Like its big brother, it can be used at home, in hospitals, care homes and residential homes.

The advantages of the foldy® mini:

- Ideal for small rooms and narrow doors
- For smaller individuals and children
- Max. load capacity 150 kg
- Can be easily folded and transported without tools
- Optimal travel companion, easy to stow
- Easy, uncomplicated handling
- Convenient handling with large buttons
- Mechanical spreading of the chassis per foot lever
- Highly stable thanks to robust construction
- Low ground clearance, also suitable for aks scissor beds
- Greater safety due to mechanical emergency lowering (picture 2) and emergency stop button in the event of electrical faults (picture 3)
- Visual and acoustic warning against deep discharge of the rechargeable battery on activation of the hand control
- Independent of the mains power supply due to battery-powered operation
- Effortless take-up of persons directly from the floor

Options and accessories

- Battery pack with separate charging station on the wall
- Many hoist slings, various spreader bars and hoist scales
- Electric spreading of the chassis via manual switch (foldy® e mini)

Order numbers

foldy® mini – 80111

foldy®e mini – 80131

Standard spreader bar incl. padding – 79720

Tandem spreader bar incl. padding – 79721

Horizontal spreader bar with 8-point attachment – 89023





foldy®

The original

The well-known foldy® patient hoist has a secure place in the aks product range. As the top-selling standard hoist in the homecare area, it has long since established itself on the medical appliances market and can be universally used for the complete field of nursing care. It allows gentle lifting and moving of the patient and helps carers do their work easily and safely.

The advantages of the foldy®:

- Can be easily folded and transported without tools
- Easy, uncomplicated handling
- Effortless take-up of persons directly from the floor (picture 1)
- Max. load capacity 150 kg
- Hand control with large buttons
- Mechanical spreading of the chassis per foot lever
- Highly stable thanks to robust construction
- Low ground clearance, also suitable for aks scissor beds
- Greater safety due to mechanical emergency lowering and emergency stop button in the event of electrical faults
- Visual and acoustic warning against deep discharge of the rechargeable battery on activation of the hand control

Options and accessories

- Battery pack with separate charging station on the wall
- Many hoist slings, various spreader bars and hoist scales
- Electric spreading of the chassis per manual switch (foldy® e)

Order numbers

foldy® – 80011

foldy®e – 80031

Standard spreader bar incl. padding – 79720

Tandem spreader bar incl. padding – 79721

Horizontal spreader bar with 8-point attachment – 89023

1



foldy® XL

The original in an XL format

In order to achieve an increased maximum load capacity of 185 kg, the stability and robustness of the construction have been adapted accordingly. This also applies to the dimensions and the power of the motor. Furthermore, the XL version is equipped with the well-known foldy® features.

The advantages of the foldy® XL:

- Increased motor power for reliable and fast lifting and lowering
- High-quality drive components from LINAK®
- Max. load capacity 185 kg
- Can be easily folded and transported without tools
- Easy, uncomplicated handling
- Ergonomic grab handle (picture 1)
- Effortless take-up of persons directly from the floor
- Ergonomic hand control
- Mechanical spreading of the chassis per foot lever
- Highly stable thanks to robust construction
- Two castors that can be locked; all castors have thread protection
- Low ground clearance, also suitable for aks scissor beds
- Greater safety due to mechanical emergency lowering (image 2) and emergency stop button in the event of electrical faults
- Acoustic warning against deep discharge of the battery on activation of the hand control



Options and accessories

- Battery pack with separate charging station on the wall
- Many hoist slings, various spreader bars and hoist scales
- Electric spreading of the chassis per manual switch (foldy® e XL)

Order numbers

foldy® XL – 80311

foldy®e XL – 80331

Standard spreader bar incl. padding – 89242

Tandem spreader bar incl. padding – 89243

Horizontal transport spreader bar with 8-point attachment – 89270



clino® II

Maximum convenience in operation and use

The standard hoist, clino® II, shows its charm in convenient operability. It has a fast motor, high-quality, easy-running castors and a bright, friendly appearance with a neutral colouring. In addition to home care, clino® II can be implemented very effectively for in-patient applications.

The advantages of the clino® II:

- More convenience thanks to high motor power
- Faster lifting and lowering is possible; lifting time is shortened
- High-quality castors with excellent rolling ability; easy manoeuvrability is possible even in small rooms and through narrow doors
- Max. load capacity 150 kg
- Can be easily folded and transported without tools
- Effortless take-up of persons directly from the floor
- Convenient handling with large buttons
- Mechanical spreading of the chassis per foot lever
- Highly stable thanks to robust construction
- Low ground clearance, also suitable for sks scissor beds
- Greater safety due to mechanical emergency lowering and emergency stop button in the event of electrical faults
- Visual and acoustic warning against deep discharge of the rechargeable battery on activation of the hand control

Options and accessories

- Battery pack with separate charging station on the wall
- Many hoist slings, diverse spreader bars and hoist scales

Order numbers

clino® II – 83012

Standard spreader bar incl. padding – 89137

Tandem spreader bar incl. padding – 89138

Horizontal spreader bar with 8-point attachment – 89173

clino® XL

The customised standard hoist for heavy cases

The expansion of the range of hoists on offer to include the XL format also applies to this, the more stylish of the aks standard hoists. Especially in institutions, the number of heavy patients is increasing and therefore the demand for correspondingly powerful aids.

The advantages of the clino® XL:

- Increased motor power for reliable and fast lifting and lowering
- High-quality drive components from LINAK®
- Max. load capacity 185 kg
- High-quality castors with thread protection and excellent rolling ability, easy manoeuvring
- Can be easily folded and transported without tools
- Effortless take-up of persons directly from the floor
- Ergonomic grab handle (picture 1)
- Ergonomic hand control
- Mechanical spreading of the chassis per foot lever
- Highly stable thanks to robust construction
- Low ground clearance, also suitable for aks scissor beds
- Greater safety due to mechanical emergency lowering (image 2) and emergency stop button in the event of electrical faults
- Acoustic warning against deep discharge of the battery on activation of the hand control

Options and accessories

- Battery pack with separate charging station on the wall
- Many hoist slings, various spreader bars and hoist scales
- Electric spreading of the chassis per manual switch (clino® e XL)

Order numbers

clino® XL – 83311

clino®e XL – 83331

Standard spreader bar incl. padding – 89253

Tandem spreader bar incl. padding – 89254

Horizontal spreader bar with 8-point attachment – 89269



foldo®

Lifting – Swivelling – Bathing

In addition to the standard functions – lifting, transferring and moving of a person – foldo® can also be used in the bath area thanks to the electronically protected swivel function. It completely fulfils the expectations of users: universal, convenient use in the bath and living area without structural changes at home or in homes for the elderly or nursing homes.

The advantages of the aks foldo®:

- “Two-in-one concept” – standard hoist and bathtub hoist in one
- Exercise of the functions of a standard hoist, in addition, effortless take-up of persons directly from the floor
- Max. load capacity 130 kg
- Lateral swivelling for use at the tub (see above)
- Easy and fast “docking” of the hoist without structural changes
- Lowering of the patient to the bathtub
- Cost-effectiveness principle: saves separate bathtub hoist, wall hoist, or ceiling hoist
- Can be easily folded and transported without tools
- Low ground clearance, also suitable for aks scissor beds
- Convenient handling with large buttons
- Mechanical spreading of the chassis per foot lever
- Safety in the bath thanks to stable support on the edge of the tub due to tub cover and telescopic boom, as well as safety electronics for swivelling the patient above the tub using electric motor
- High stability thanks to two lockable castors (diameter 100 mm) and robust construction
- Greater safety thanks to mechanical emergency lowering, emergency stop button in the event of electric faults
- Functional wall bumpers for protection during manoeuvring



Options and accessories

- Various hoist slings, spreader bars and hoist scales as well as tub covers and tub cover elevation elements

Order numbers

foldo® with tub cover,
without spreader bar, without sling – 81011
Standard spreader bar incl. padding – 89139
Tandem spreader bar incl. padding – 89190
Telescopic tub cover – 75316
Double telescopic tub cover – 89230
Charger – 17219

dualo® mini

Strong – reliable – economical

The mobile standard and active mini hoist, dualo® mini, rounds off the aks hoist collection. The dual principle focuses on greater flexibility and freedom of decision. The mini hoist satisfies the requirements of a “large unit”; however, it is more manoeuvrable and “handier” due to its more compact dimensions.

The advantages of the dualo® mini:

- Multi-functionality: optimal use of the versatile functions of a large standard hoist and/or a standaid, such as lifting, moving and uprighting persons.
- Lift up from floor possible
- Max. load capacity 150 kg
- Flexibility: easy conversion of the standard hoist to the active hoist (picture 1+2) and vice versa; simplified insert function thanks to stainless steel square tubes
- Freedom of decision: Take your time. For example, if you decide on a standard hoist, you can retrofit the uprighting arm of the active hoist and the corresponding equipment at any time.
- The uprighting arm features additional side handles to offer greater convenience and support (picture 2)
- Economy and effectiveness: lower acquisition costs and high use frequency, demand-oriented use – particularly practical in care facilities as a dual hoist
- Ideal for small rooms and narrow doors
- Mechanical emergency lowering, emergency stop button in the event of electric faults
- Visual and acoustic warning against deep discharge of the rechargeable battery on activation of the hand control
- Highly stable thanks to mechanical spread of the chassis per foot lever, two lockable castors



Options and accessories

- Battery pack with separate charging station on the wall
- For dualo® mini active: aks standaid sling with breast loop and aks calf strap (optional)
- For dualo® mini standard: many hoist slings, various spreader bars and hoist scales
- Respective conversion kits for dualo® mini active or standard

Order numbers

dualo® mini active (without sling) – 87114

dualo® mini standard (without spreader bar and sling) – 87110

dualo®

Flexible – economical – safe

The convertible hoist focuses on flexibility. Design importance has been placed on increased convenience, safety and multi-functionality. The dualo® is used for lifting and as a standaid in combination with aks hoist slings at home, in hospitals, nursing homes and residential homes.

The advantages of the dualo®:

- Multi-functionality: optimal use of the versatile functions of a standard and/or an active hoist, such as lifting, transferring and uprighting persons (picture 1, 5), lift up from the floor, support for toileting
- Max. load capacity 150 kg
- Flexibility: easy conversion of the standard hoist to the active hoist and vice versa (picture 3, 4), simplified insert function thanks to stainless steel square tubes
- Freedom of decision: Take your time. For example, if you decide on a standard hoist, you can retrofit the uprighting arm of the active hoist and the corresponding equipment at any time.
- Greater convenience and support for patients thanks to additional handles (picture 2)
- Economy and effectiveness: lower acquisition costs and high use frequency, demand-oriented use as dual hoist – particularly practical in care facilities
- Mechanical emergency lowering, emergency stop button and acoustic warning of deep discharge
- Highly stable thanks to mechanical spread of the chassis per foot lever, two lockable castors

Options and accessories

- Battery pack with separate charging station on the wall
- For dualo® active: aks standaid sling with breast loop and aks calf strap (optional)
- For dualo® standard: many hoist slings, various spreader bars and hoist scales
- Respective conversion kits for dualo® active or standard

Order numbers

dualo® active (without sling) – 87013

dualo® standard (without spreader bar and sling) – 87010

Picture shows:
dualo® active
with optional
calf strap



torneo® II

The active hoist with optimised kinematics

The torneo® II mobile active hoist is mainly used for frail people with poor mobility. The standard function process is extremely gentle and focuses on kinematics, making sure that the movements of the patient are optimally supported by the hoist.

The advantages of the torneo® II:

- Optimal kinematics, gentle uprighting and setting down of persons
- Safe transfer in standing position
- Max. load capacity of up to 150 kg
- Compact dimensions, can also be used for smaller individuals
- Use in small rooms and with narrow doors
- Extremely manoeuvrable in the smallest areas
- Ergonomic active hoist with low total weight for user-friendly operation
- Emergency stop button in the event of electrical faults, visual and acoustic warning of deep battery discharge on activation of the hand control
- Highly stable thanks to mechanical spreading of the chassis per foot lever and stable design
- Integrated calf strap for more security

Options and accessories

- Standard sling with breast loop and seat swing for the transfer in sitting position, available in five sizes
- Removable battery pack with optional charging station on the wall

Order number

torneo® II – 82112



This is how the
torneo® II works:
www.youtube.de



aks standard spreader bar

designed as mounting for hoist slings in combination with aks standard hoists, incl. padding

Maximum load: 150 kg,

for foldy® micro and foldo® maximum load 130 kg

for aks XL hoists maximum load 185 kg

Order numbers

Aqua blue: foldy®, foldy® e, foldy mini®,

dualo® standard, mini dualo® standard – 79720

foldy® micro and foldo® – 89139

foldy® XL – 89242

Light grey for clino® II – 89137

clino® XL/e XL – 89253



aks tandem spreader bar

designed as mounting for aks hoist slings (also horizontal transport slings) in combination with aks standard hoists, incl. padding

Maximum load: 150 kg,

for foldy® micro and foldo® maximum load 130 kg

for aks XL hoists maximum load 185 kg

Order numbers

Aqua blue: foldy®, foldy® e, foldy mini®,

dualo® standard, dualo® mini standard – 79721

foldy® micro and foldo® – 89190

foldy® XL – 89243

Light grey for clino® II – 89138

clino® XL/e XL – 89254



aks horizontal transport spreader bar

with 8-point attachment

designed as mounting for horizontal transport slings with 8-point attachment in combination with foldy® and clino®

Maximum load: 150 kg

for aks XL hoists maximum load: 185 kg

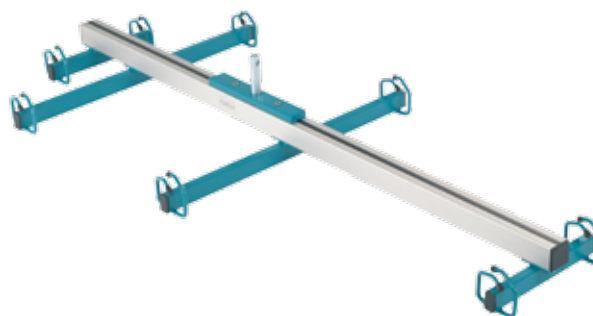
Order number

Aqua blue for foldy® and foldy® e – 89023

foldy® XL – 89270

Light grey for clino® II – 89173

clino® XL/e XL – 89269



aks spreader bar padding

for all standard spreader bars and tandem spreader bars

Order number – 89201





aks wall charging stations and spare rechargeable batteries

Independence in daily care, particularly in hospitals, homes for the elderly and nursing homes

Advantages:

- Independence from the mains supply; a charged battery is always on hand
- Effortless replacement of the battery pack
- Easy wall mounting close to a power outlet
- Visual charge status shown by LEDs

Technical Data (pictures 1 and 2)

- Wall charging station: Charge time: approx. 3-14 hours/ overload protection; input: AC 230 V/50 Hz; output: DC 24 V/I_{max} = 4 A
- Battery pack: operating voltage 2 x 12 V; capacity 4.5 Ah (Technical data for foldo®, aks XL hoist torneo®; see respective instructions for use)

Order numbers

Wall charging stations and battery pack for foldy® micro, foldy® mini, foldy®, dualo® mini and dualo®: aks wall charging station incl. battery pack – 89092 (picture 1)

aks wall charging station – 89079

aks battery pack – 89070

aks battery pack for clino® II – 89154

(Picture 2: depiction of wall charging station with battery pack)

aks battery box incl. battery for foldo® – 17763

aks wall charging station incl. battery pack for foldy® XL – 89255

aks wall charging station for foldy® XL – 89239

aks battery pack for foldy® XL – 89238

aks wall charging station incl. battery pack for clino® XL – 89256

aks wall charging station for clino® XL and goliath® – 89239

aks battery pack for clino® XL – 89248 (picture 3)

aks wall charging station for torneo® II – 89174

aks battery pack for torneo® II – 89175

(Picture 4: depiction of the battery pack with controller)

aks hoist scales

Weighing patients is part of the everyday nursing routine. The use of scales directly connected to the aid or hoist is particularly practical. aks provides two weighing devices in connection with the various aks standard hoists.

aks dw 150

Ideal aid for checking weight

- Easy handling: function on/off, tare button, hold
- Flexible use: can be used with adapter for all aks hoists (for the foldo®, the scales cannot be used in the swivelled condition)
- Display elements can be read off in 500 g increments: "E" if the weighing range is exceeded, "LO" if battery is empty
- Power-saving function: automatic switch-off after approx. 4 minutes
- Max. weighing range: 150 kg
- Cost-effective standard solution for the everyday nursing routine

Order number

incl. adapter for aks hoists – 89016



aks efw 200/300

The practical weighing device for the everyday nursing routine – also for heavy cases

- With battery-operated high-precision scales for aks standard hoists with special adapter
- For "determination of mass in the exercise of medical science, when weighing patients for medical monitoring, examination and treatment reasons", as specified in EU Directive 2009/23/EC in class III of non-self-activating scales
- aks efw 200 can be used up to max. 200 kg patient weight and aks efw 300 up to max. 300 kg patient weight
- In accordance with Directive 93/42/EEC for attachment on aks patient hoists:
 - up to 130 kg body weight: foldy® micro and foldo®,
 - up to 150 kg body weight: foldy®, foldy® e, clino® II, dualo® standard, foldy® mini, dualo® mini standard,
 - up to 185 kg body weight: foldy® XL, foldy®e XL, clino® XL, clino®e XL and up to 250 kg body weight: goliath®
- Initial gauging: calibrated and tested at the factory
- Simple handling with clear display and indication of the functions: on/off, tare, gross/net weight; reading precision in 100 g increments
- Power-saving function: automatic switch-off after approx. three minutes
- BMI function

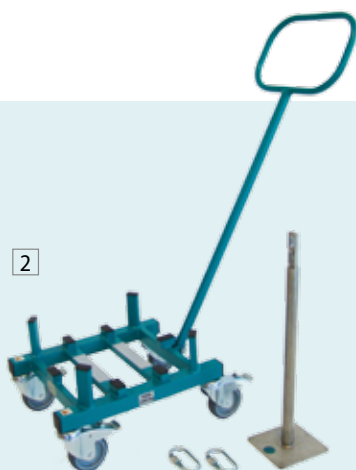


Order numbers

aks efw 200 – 89157

aks efw 300 – 89158





Scope of delivery of the aks carry



aks carry with load support



Support with the handle removed



aks carry: 250 kg weight plates



Operating load test

aks carry

Your assistant for the operating load test in accordance with DIN EN ISO 10535 Appendix B

The aks carry is designed to hold, store and transport weight plates (picture 5). The load support holds the weight plates and is mounted either with the snap hook or directly on the lifting arm. The standard hoist is then ready for the operating load test in accordance with DIN EN ISO 10535 with a lifting cycle at maximum load.

The advantages of the aks carry:

- Max. load capacity 250 kg
- Support and handle made of steel, powder-coated
- Four castors (Ø 100 mm), can be locked individually
- Load support made of stainless steel for holding the weight plates
- Snap hook with screw lock in accordance with DIN EN 362
- Handle (picture 4), can be removed without tools, secured with a tube clip
- Aqua blue

Scope of delivery

- Support with castors and handle, load support, two snap hooks (picture 2)
- Delivery without weight plates

Order number

aks carry – 89300

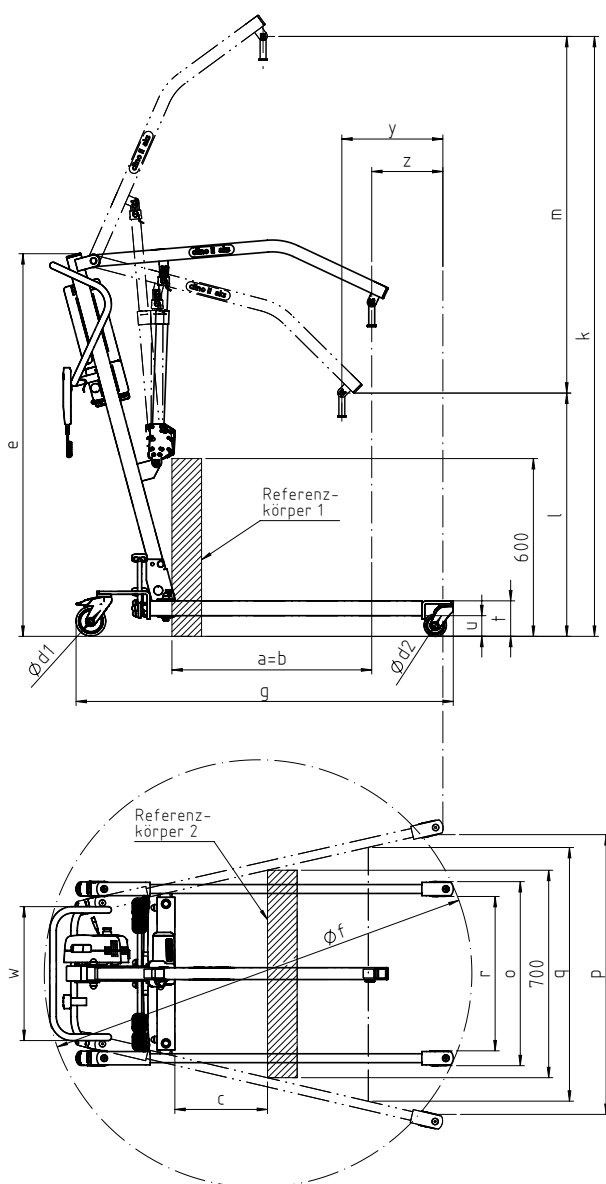
Technical Data

Mobile Patient Hoists

	foldy® micro	foldy® mini foldy®e mini	foldy® foldy®e
Total weight (without spreader bar and sling)	34 kg	36 37.5 kg	38 39.5 kg
Maximum load	130 kg	150 kg	150 kg
Lift speed at full load (time for one lift process)	80 s	80 s	80 s
Power, lift and lowering processes at full battery capacity, approx.	40	40	40
Input voltage	24 V AC 50 Hz	24 V AC 50 Hz	24 V AC 50 Hz
Protection class	II	II	II
Type of protection	IP X4	IP X4	IP X4

Basic dimensions in accordance with DIN EN 10535

a	Maximum range for 600 mm reference height	451	495	675
b	Maximum range from the chassis	494	532	675
c	Range from the chassis when spreading the leg supports to 700 mm	442	313	313
d1	Castor diameter, rear	100	100	100
d2	Castor diameter, front	75	75	75
e	Overall height	1207	1195	1290
f	Turning diameter	1162	1234	1443
g	Chassis length	1018	1081	1291
k	Max. attachment height	1713	1749	2015
l	Min. attachment height	561	739	811
m	Lifting range	1152	1010	1204
o	Min. outer width	572	643	643
p	Max. inner width	733	825	918
q	Inner width at maximum range of the attachment point	728	801	866
r	Min. inner width	428	499	499
t	Height of the chassis	110	110	110
u	Clearance of the chassis	60	60	60
w	Handle width	452	452	452
x	Minimum distance from the wall to the attachment point at its greatest height (leg supports spread)	571	510	611
y	Minimum distance from the wall to the attachment point at its lowest height (leg supports spread)	349	269	345
z	Minimum distance from the wall to the attachment point at maximum range (leg supports spread)	150	172	234



	foldy® XL foldy®e XL	clino® II	clino® XL clino®e XL	foldo®	dualo® mini standard	dualo® mini active	dualo® standard	dualo® active	torneo® II	goliath®*
	40 kg 42 kg	38 kg	40 kg 42 kg	40.6 kg	38.5 kg	38.5 kg	39.3 kg	39.3 kg	44 kg	48 kg
	185 kg	150 kg	185 kg	130 kg	150 kg	150 kg	150 kg	150 kg	150 kg	250 kg
	40 s	40 s	35 s	82 s	80 s	80 s	80 s	80 s	40 s	78 s
	25	25	25	40	40	40	40	40	40	25
	24 V DC	24 V AC 50 Hz	24 V DC	24 V AC 50 Hz	24 V AC 50 Hz	24 V AC 50 Hz	24 V AC 50 Hz	24 V AC 50 Hz	24 V AC 50 Hz	24V DC
	II	II	II	II	II	II	II	II	II	II
	IPX4	IP X4	IPX4	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4
	680	675	680	614	476	56	675	27	216	660
	680	675	680	651	513	512	675	483	264	670
	205	313	205	313	313	313	313	313	442	105
	100	100	100	100	100	100	100	100	100	100
	75	75	75	75	75	75	75	75	75	100
	1290	1290	1270	1322	1195	1195	1283	1283	1136	1310
	1460	1443	1470	1442	1317	1317	1538	1538	1263	1525
	1310	1273	1280	1313	1081	1081	1291	1291	999	1285
	2000	2025	1990	1865	1739	1846	2019	1990	1183	1970
	610	821	600	793	759	1032	820	1183	898	585
	1390	1204	1390	1072	977	814	1198	807	285	1385
	680	621	680	671	643	643	643	643	550	745
	960	944	960	892	825	825	919	919	771	1065
	920	866	920	866	792	792	866	778	613	980
	550	520	550	471	499	499	499	499	450	595
	110	120	100	140	110	110	110	110	120	130
	45	70	30	60	60	60	60	60	70	50
	490	452	490	452	452	452	452	452	452	452
	625	607	650	504	527	792	615	987	766	565
	500	341	525	434	278	195	339	427	402	470
	250	230	275	263	189	190	232	424	402	265

* See bariatric range for product description



Extensive range of slings for
a wide variety of uses relating
to lifting and transferring

Washing and care instructions for aks hoist slings

- Washable up to 60 °C
- Do not bleach
- Dry in a dryer at a reduced temperature (1 point)
- Do not iron
- Do not dry clean





Net fabric



Back reinforcement



Colour-coded sling loops



Handle for support during manoeuvring



Standard material



Calf strap

aks hoist slings

All aks hoist slings have been carefully tested and revised so that all slings can be used for standard hoists with reinforced seams up to 250 kg maximum load. Various materials are used: Polyester fabric for use in dry areas; special water-permeable and quick-drying net material for use in wet areas; extremely tear-resistant polyester sling loops; padding made of various foams to avoid pressure peaks or the hoist sling cutting into the skin and to provide additional support for the patient's body and/or increase wearing comfort.

Different colour-coded loops facilitate the assignment of the correct mounting position. To stabilise patients, we offer some slings with integrated aluminium strips for back reinforcements; for some other slings, we offer a separate head support with Velcro fastening for patients with little head and neck stability.



Compatibility

Our hoist slings for standard hoists can be used with all aks standard hoists and with a number of hoists from other manufacturers. Please note our declaration of compatibility for hoist slings. This can be found on our website: www.aks.de.

aks head support

The aks head support is available as an option for the following products: Standard sling, bath sling, comfort hygiene sling, horizontal transport sling with 8-point attachment/ ~ for bathing. A Velcro strip makes it possible to fix and position the head support.

Order number – 79712



aks standard sling

The workmanship and material quality of this low cost sling comply with everyday requirements. This can be used by a patient who is still stable in the neck and shoulder area. Picking up the patient from the floor is possible with this sling. Due to colour-coded loops made of extremely tear-resistant polyester, the standard sling is completely adjustable and can be used with all hoist models with hook mounting. The leg supports are produced with additional fabric layers and quilted with padding for reinforcement. This reinforcement also guarantees crease-free seating with high pressure reduction on the thighs. The practical grip loop on the outside supports the carer during manoeuvring of the patient.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition

Loop material: 100% polyester sling

Outer fabric: 100% polyester

Padding (leg supports): 100% PE foam

Velcro fastening: 100% polyester

Order numbers

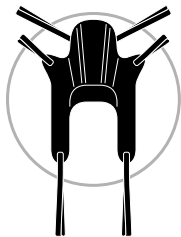
Size S – 88600, size M – 88601, size L – 88602,

size XL – 88603, size XXL – 88604,

head support with Velcro fastening (optional),

as in small picture – 79712





aks standard sling with back reinforcement and integrated head support

As further development, this sling provides a number of advantages: the back and head area are supported and kept straight due to the special back reinforcement, which transitions seamlessly into the head support, and thanks to the removable stiffeners made of aluminium. In addition to the leg and shoulder loops, 4-way adjustable head loops make it possible to individually adapt the sling to the patient. This advantage provides greater security and stability. The net in the buttocks area prevents the patient from sliding out. The special form of the leg supports enables fast and secure positioning of the patient. All of the body is stabilised and supported. This sling is particularly suitable for patients with restrictions of the musculoskeletal system in the upper body.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition

Loop material: 100% polyester sling

Outer fabric: 100% polyester / 100% polyester net

Padding (leg supports): 100% PE foam

Padding (back): 100% PE foam

Back reinforcement: Aluminium strips

Order numbers

Size S – 88605, size M – 88606, size L – 88607

aks comfort sling with integrated head support

This sling, developed at aks, is for patients with little stability in the torso area and provides comfortable support. The high back part with removable stiffeners made of aluminium and the integrated head support increased safety during use and comfort. The integrated padding of the leg supports also aids the sitting comfort of pressure-sensitive patients. The colour-coded loops enable complete adjustability of the sling and variable positioning. Several grip loops on the outside support the carer during manoeuvring of the patient.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition

Loop material: 100% polyester sling

Outer fabric: 100% polyester

Padding (leg supports): 100% PE foam

Back reinforcement: Aluminium strips

Order numbers

Size S – 88610, size M – 88611, size L – 88612,
size XL – 88613, size XXL – 88614



aks bath sling

This sling is made of an extremely tear-resistant polyester net that absorbs hardly any water and dries very quickly after use. It has been specially designed for use in baths and wet areas. The leg supports are padded with foam. This reinforcement guarantees crease-free seating with high pressure reduction for the thigh. You can pick up patients who are lying on the floor with this sling. The requirement is participation of the patient who is still stable in the neck and shoulder area. The loops are colour-coded to enable the selection of the correct mounting position. Furthermore, the sling has a **grip loop** on the back for manoeuvring the patient.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

Outer fabric: 100% polyester net

Padding (leg supports): 100% PE foam

Velcro fastening: 100% polyester

Order numbers

Size S – 88615, size M – 88616, size L – 88617,
size XL – 88618, size XXL – 88619,
head support with Velcro fastening (optional) – 79712



aks bath sling with back reinforcement and integrated head support

The sling is made of a ladder-proof polyester net, which dries very quickly. Its design particularly supports less mobile people when bathing. See also the description for the aks standard sling with back reinforcement and integrated head support.

Technical Data

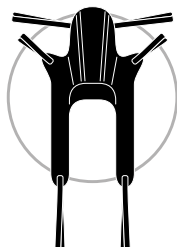
Standard: DIN EN ISO 10535:2007-04,
Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling
Outer fabric: 100% polyester net
Padding (leg supports): 100% PE foam
Padding (back): 100% PE foam
Back reinforcement: Aluminium strips

Order numbers

Size S – 88620, size M – 88621, size L – 88622



aks comfort bath sling with integrated head support

This sling has a similar pattern to the comfort sling with integrated head support; however, it has good water permeability due to the net structure of the material and dries quickly. Consequently, it is especially suitable for wet areas.

Technical Data

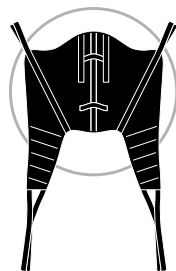
Standard: DIN EN ISO 10535:2007-04,
Maximum load: 250 kg

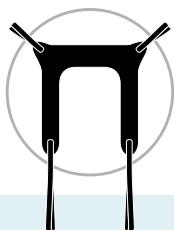
Material composition:

Loop material: 100% polyester sling
Outer fabric: 100% polyester net
Padding (leg supports): 100% PE foam
Back reinforcement: Aluminium strips

Order numbers

Size S – 88625, size M – 88626, size L – 88627,
size XL – 88628, size XXL – 88629





aks hygiene sling

Due to the compact design and large cut-out in the buttocks area, it is possible to put on this sling easily and quickly. The patient can then be well-positioned on a toilet as the lower body remains free in the buttocks area. The padding under the arms, leg padding, and grip loops to allow movement along the sling, increase the comfort during transfer of the patient.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

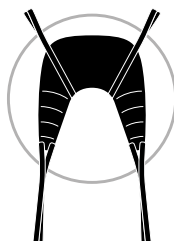
Outer fabric: 100% polyester

Padding (leg supports): 100% PE foam

Padding (armpit): 100% PE foam

Order numbers

Size S – 88630, size M – 88631, size L – 88632,
size XL – 88633, size XXL – 88634



aks comfort hygiene sling

As a further development of the aks hygiene sling, this is the most comfortable solution for toileting. The sling supplies maximum support to the back area and sitting comfort due to extra wide padded leg supports. A head support can also be attached.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

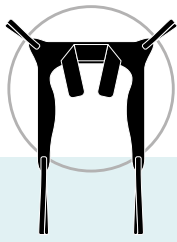
Outer fabric: 100% polyester

Padding (leg supports): 100% PE foam

Velcro fastening: 100% polyester

Order numbers

Size S – 88635, size M – 88636, size L – 88637,
size XL – 88638, size XXL – 88639,
head support with Velcro fastening (optional) – 79712



aks fast transport sling with breast loop

This sling is virtually pre-destined for the fast and uncomplicated transfer of persons with sufficient inherent stability. It has integrated, padded back reinforcement and a breast loop which give the patient a secure feeling. The sling can also be used as a hygiene sling in this configuration. The hoist sling is equipped with grip loops to allow easy manoeuvring of the patient.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

Outer fabric: 100% polyester

Padding: Back part: 100% polyurethane

Armpit padding: 100% PE foam

Leg supports/breast loop: 100% PE foam

Velcro fastening: 100% polyester

Order numbers

Size S – 88640, size M – 88641, size L – 88642

aks fast transport sling with chest loop for bathing

aks fast transport sling with chest loop for bathing has a similar pattern and the same structure as the aks fast transport sling with chest loop. Due to the water-permeable and fast-drying net structure of the material, it is particularly suitable for wet areas.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

Outer fabric: 100% polyester net

Padding: Back part: 100% polyurethane

Armpit padding: 100% PE foam

Leg supports/breast loop: 100% PE foam

Velcro fastening: 100% polyester

Order numbers

Size S – 88671, size M – 88672, size L – 88673

aks standaaid sling

The standaaid sling for aks standard hoists consists of two individual slings with colour-coded 3-way adjustable loops. It is particularly suitable for the fast transfer of patients who have sufficient muscular strength from the shoulder area over the upper body to the thighs. The sling is distinguished by easy and fast use and also aids residual mobility.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

Outer fabric, inside: 100% polyester
with 100% PU coating

Outside: 100% polyester

Padding: 100% PE foam

Order number

Size M – 88665



aks universal comfort sling

The universal comfort sling is made of flexible fabric materials that adjust to the patient's body. The different colour-coded sling loops are made of extremely tear-resistant straps and are mounted on a suitable spreader bar. This sling is intended for use in dry areas and is suitable for supporting amputees. A grip loop is attached in the head/shoulder area for manoeuvring.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

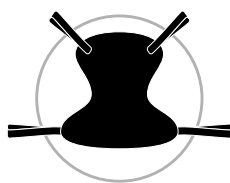
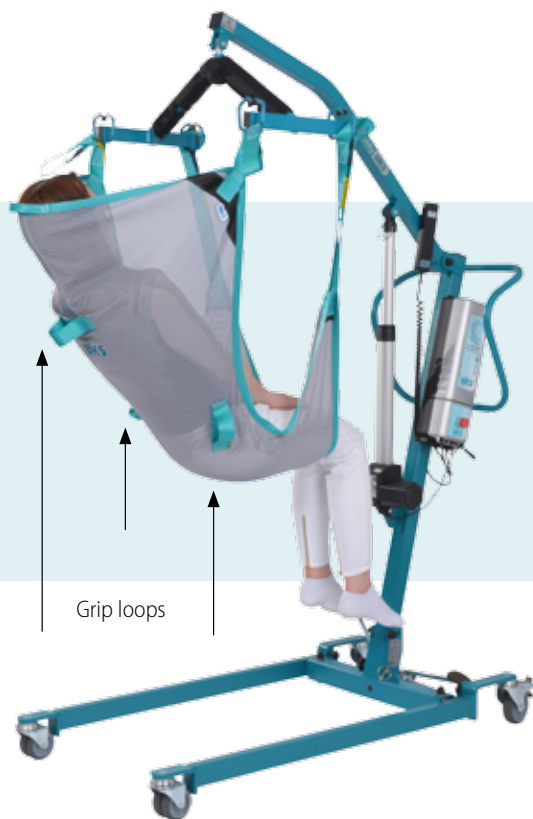
Loop material: 100% polyester sling

Outer fabric: 100% polyester

Order numbers

Size M – 88656, size L – 88657,

size XL – 88658, size XXL – 88659



aks universal net sling/ aks universal Flex sling

The universal net sling offers great flexibility: the shoulder loops are 3-way adjustable for reaching the optimum position, while the leg loops are even 4-way adjustable. Optional sitting comfort when using the aks tandem spreader bar (see picture). Three handles are used for the required positioning of the patient. The single-ply net material has good water permeability and dries quickly. It is ideal for use in wet areas (bathing). This sling is also highly suitable for amputees.

The universal Flex sling is similar to the universal net sling. In this regard, the grip loops have been deliberately omitted so that the sling can remain underneath the patient for a certain amount of time (e.g. in a wheelchair, seat shell). This means there is no need to remove the sling directly after the transfer.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

Outer fabric: 100% polyester net

aks universal net sling

Order numbers

Size S – 88660, size M – 88661,
size L – 88662, size XL – 88663,
size XXL – 88664

aks universal Flex sling

Order numbers

Size S – 88666, size M – 88667,
size L – 88668, size XL – 88669,
size XXL – 88670

aks horizontal transport sling



Difficult transfer problems can also be solved with this sling and the aks tandem spreader bar (see picture). Even the transfer of patients with hip or back problems and leg amputations can be easily performed using this sling. The leg supports are also padded with foam. This supports the thighs securely and comfortably. The head support (included) with Velcro fastening provides additional stability.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

Outer fabric: 100% polyester

Padding (leg supports): 100% PE foam

Velcro fastening: 100% polyester



Order numbers

Size M – 88646, size L – 88647,

size XL – 88648, size XXL – 88649



aks horizontal transport sling for spreader bar with 8-point attachment/ ~ for bathing



Also the best for horizontal transfer of patients in pain in combination with the special horizontal transfer spreader bar with 8-point attachment. This sling guarantees an absolutely gentle transfer.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

Outer fabric: 100% polyester/polyester net (for bathing)

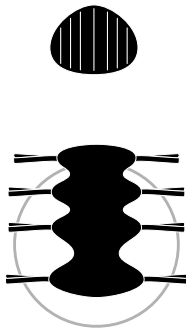
Velcro fastening: 100% polyester;

Order numbers

aks horizontal transport sling for spreader bar with 8-point attachment

Size M – 88651, size L – 88652,

size XL – 88653, size XXL – 88654

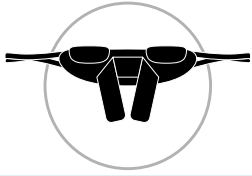


aks horizontal transport sling for spreader bar with 8-point attachment for bathing

Size M – 88677, size L – 88678, size XL – 88679, size XXL – 88680

Head support with Velcro fastening (optional) – 79712





aks standaid sling with breast loop for active hoist

This sling for active hoist supports a patient during stand-up and for lowering into a seated position with additional breast loop, which gives extra security. Special padding in the underarm area prevents cutting in to the armpits.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling

Outer fabric: 100% polyester

Padding (back): 100% polyurethane

Armpit padding:

100% polyethylene + 100% polyurethane

Padding (breast loop): 100% PE foam

Velcro fastening: 100% polyester

Order numbers

Size S – 88681, size M – 88682, size L – 88683,
size XL – 88684, size XXL – 88685

aks calf strap for active hoist



The calf strap provides additional stability and supports the lower leg during the standing procedure of partially mobile patients.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Edging tape: 100% polyester;

Outer fabric: 100% polyester;

Padding: 100% PE foam

Velcro fastening: 100% polyester

Order number – 79716

aks standaid sling with breast loop for active hoist torino® II

This standaid sling can only be used for the torino® II active hoist. The standaid sling is enhanced by the comfortable seat swing for the transfer in sitting position. The calf strap (included) provides more security and support for the patient.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 150 kg

Seat swing length/width: 68/25 cm

Material composition:

Loop material: 100% polyester sling

Outer fabric: 100% polyester

Padding (back): 100% polyurethane

Armpit padding:

100% polyethylene + 100% polyurethane

Breast loop: 100% PE foam

Velcro fastening: 100% polyester

Seat swing: 100% PE foam

Order numbers

Size S – 89163, size M – 89164, size L – 89165,

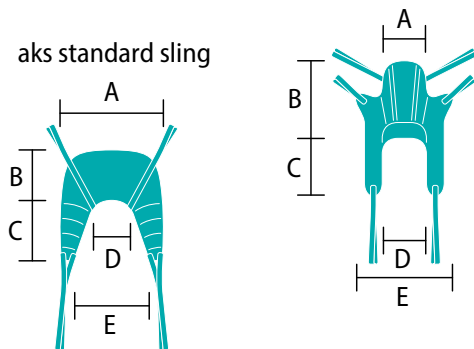
size XL – 89166, size XXL – 89167

Replacement seat swing – 89205

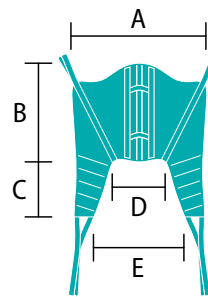


aks hoist slings

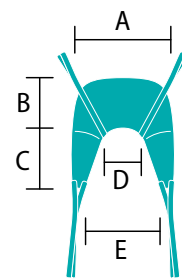
aks standard sling with back reinforcement and integrated head support



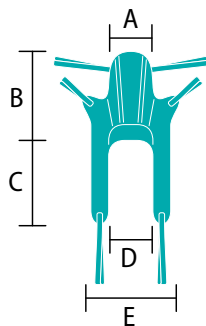
aks comfort sling with integrated head support



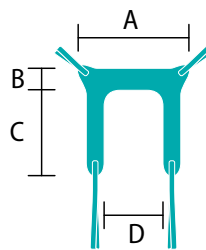
aks bath sling



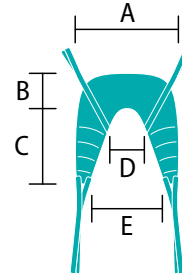
aks bath sling with back reinforcement and integrated head support



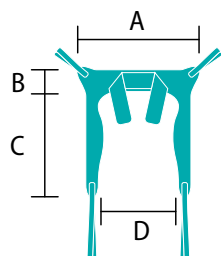
aks hygiene sling



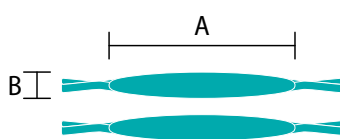
aks comfort hygiene sling



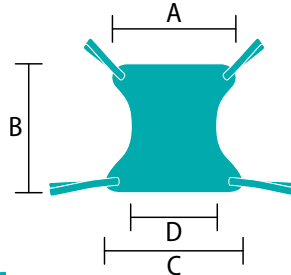
aks fast transport sling with breast loop/~ for bathing



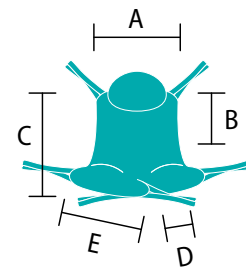
Standard sling (2 individual slings)



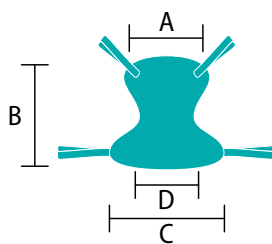
aks universal comfort sling



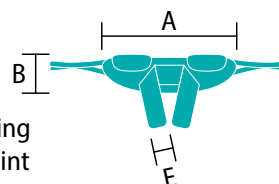
aks horizontal transport sling



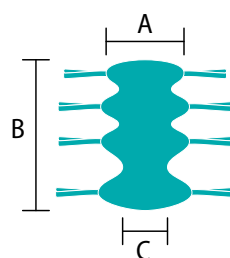
aks universal net sling/
aks universal Flex sling



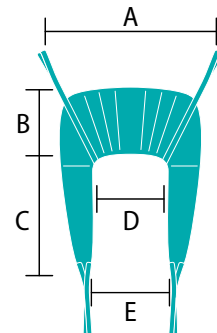
aks standard sling with breast loop



aks horizontal transport sling for spreader bar with 8-point attachment /~ for bathing



goliath® sling



	A	B	C	D	E	Breast loop
aks standard sling, size S	76	56	52	28	50	
aks standard sling, size M	88	58	60	30	59	
aks standard sling, size L	88	57	73	32	62	
aks standard sling, size XL	96	58	78	36	68	
aks standard sling, size XXL	104	64	81	44	80	
aks standard sling with back reinforcement and integrated head support, size S	38	89	42	35	60	
aks standard sling with back reinforcement and integrated head support, size M	40	103	65	50	74	
aks standard sling with back reinforcement and integrated head support, size L	40	111	65	50	76	
aks comfort sling with integrated head support, size S	98	79	45	42	66	
aks comfort sling with integrated head support, size M	122	89	46	46	74	
aks comfort sling with integrated head support, size L	135	92	64	47	82	
aks comfort sling with integrated head support, size XL	152	94	87	52	80	
aks comfort sling with integrated head support, size XXL	164	100	108	56	70	
aks bath sling, size S	76	56	52	28	50	
aks bath sling, size M	88	58	60	30	59	
aks bath sling, size L	88	57	73	32	62	
aks bath sling, size XL	96	58	78	36	68	
aks bath sling, size XXL	104	64	81	44	80	
aks bath sling with back reinforcement and integrated head support, size S	38	89	42	35	60	
aks bath sling with back reinforcement and integrated head support, size M	40	103	65	50	74	
aks bath sling with back reinforcement and integrated head support, size L	40	111	65	50	76	
aks comfort bath sling with integrated head support, size S	98	79	45	42	66	
aks comfort bath sling with integrated head support, size M	122	89	46	46	74	
aks comfort bath sling with integrated head support, size L	135	92	64	47	82	
aks comfort bath sling with integrated head support, size XL	152	94	87	52	80	
aks comfort bath sling with integrated head support, size XXL	164	100	108	56	70	
aks hygiene sling, size S	90	22	65	40	-	
aks hygiene sling, size M	97	22	71	44	-	
aks hygiene sling, size L	108	25	78	58	-	
aks hygiene sling, size XL	120	25	90	64		
aks hygiene sling, size XXL	130	27	110	74		
aks comfort hygiene sling, size S	78	32	70	24	46	
aks comfort hygiene sling, size M	88	39	77	28	58	
aks comfort hygiene sling, size L	96	42	95	32	65	
aks comfort hygiene sling, size XL	105	45	105	40	69	
aks comfort hygiene sling, size XXL	115	45	120	49	73	
aks fast transport sling with breast loop/~ for bathing, size S	93	24	70	54/35	-	124
aks fast transport sling with breast loop/~ for bathing, size M	113	24	96	75/66	-	138
aks fast transport sling with breast loop/~ for bathing, size L	113	24	96	75/66	-	167
Standaid sling (2 individual slings), size M	110	17	-	-	-	
aks universal comfort sling, size M	84	100	85	45	-	
aks universal comfort sling, size L	110	109	109	71	-	
aks universal comfort sling, size XL	128	116	131	90	-	
aks universal comfort sling, size XXL	152	114	151	109	-	
aks universal net sling/aks universal Flex sling, size S	110	126	107	56	-	
aks universal net sling/aks universal Flex sling, size M	115	133	117	62	-	
aks universal net sling/aks universal Flex sling, size L	130	140	129	68	-	
aks universal net sling/aks universal Flex sling, size XL	145	145	144	83	-	
aks universal net sling/aks universal Flex sling, size XXL	160	145	160	98	-	
aks horizontal transport sling, size M	86	60	103	31	77	
aks horizontal transport sling, size L	95	60	103	33	82	
aks horizontal transport sling, size XL	105	65	108	35	87	
aks horizontal transport sling, size XXL	115	65	108	37	95	
aks horizontal transport sling for spreader bar with 8-point attachment, size M/~ for bathing	66	183	46	-	-	
aks horizontal transport sling for spreader bar with 8-point attachment, size L/~ for bathing	75	189	66	-	-	
aks horizontal transport sling for spreader bar with 8-point attachment, size XL/~ for bathing	85	189	76	-	-	
aks horizontal transport sling for spreader bar with 8-point attachment, size XXL/~ for bathing	100	189	81	-	-	
aks standaid sling with breast loop S	87	27	-	-	18	114
aks standaid sling with breast loop M	105	29	-	-	16	138
aks standaid sling with breast loop L	120	29	-	-	16	147
aks standaid sling with breast loop XL	141	29	-	-	16	167
aks standaid sling with breast loop XXL	141	29	-	-	16	178
aks calf strap	140	18	-	-	-	
goliath® sling A <i>see bariatric range</i>	112	68	94	50	70	
goliath® sling B <i>see bariatric range</i>	126	72	106	63	94	
goliath® sling C <i>see bariatric range</i>	140	76	120	78	102	

All dimensions in cm



aks support and transport aids

Fast solutions for work that are easy on the back



aks support strap

The aks support strap incorporates various auxiliary functions. It can be used as an aid for transferring to a seat. In doing so, the complete sequence of movements is controlled by the caregiver. Assistance with standing up and sitting down can also be supported by the caregiver without back strain.

The aks support strap is also a valuable aid for walking with unsteady patients without having to hold their arm (prevention of pain).

Multiple grip loops make supporting and easier use by the caregiver possible. An adjustable and automatically centring fastener on the front side ensures a secure fit. Four sizes enable use with many different abdominal girths.

Technical Data

Outer material: polyester

Inner material: non-slip PU-coated fabric, washable at 60 °C; do not dry in a dryer

Fastener: push-fit fastening, self-centring

Order numbers

Size S, waist size 60-80 cm – 62001

Size M, waist size 75-95 cm – 62002

Size L, waist size 90-110 cm – 62003

Size XL, waist size 110-130 cm – 62004



aks lifting sling

The aks lifting sling is an aid whose intended purpose is easy on the back support of the patient when up-righting from and setting down on a seat. This effectively makes the daily work of care personnel easier.

Two sizes with two different length grip loop pairs each are available and can be used for different size patients.

Technical Data

Outer material: polyester

Inner material: non-slip PU-coated fabric, washable at 60 °C; do not dry in a dryer

Order numbers

Size M, 60 x 20 cm (without grip loops) – 62005

Size L, 90 x 25 cm (without grip loops) – 62006





aks pelvic belt comfort

The aks pelvic belt comfort provides optimum support of the lap positioning for partially mobile individuals in the sitting position. It is easy and quick to handle and supports partially mobile people in wheelchairs or other seating. Patients are effectively protected against slipping forwards. Stability, workmanship quality and fit provide high wearing comfort without the material cutting into the thighs.

Practical push-fit fasteners with variable size adjustment.

Technical Data

Material: 100% cotton, lockstitch jersey

Inner-side coating: TEXTHANE, water-repellent and breathable

Washable: up to 30 °C; do not dry in a dryer

Order numbers

Size S, waist size 60-80 cm – 69803/1

Size M, waist size 75-95 cm – 69803/2

Size L, waist size 90-110 cm – 69803/3





aks sliding and turning sheet

The aks sliding and turning sheets are made of silicone-coated fabric that effectively reduces the friction resistance during the repositioning of patients. This makes the corresponding activities of care personnel easier. Different sizes of the aks sliding and turning sheets can be used depending on the restriction of the patient's mobility. The body regions to be supported are decisive here.

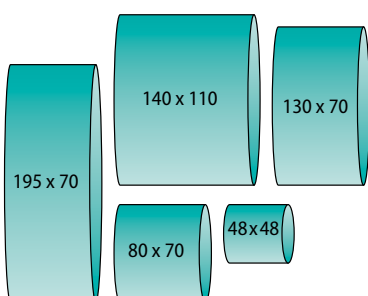
The large number of possible uses covers repositioning of normal, heavy and very heavy immobile patients from abdomen, back or side position to any required position. Good patient care simply becomes more feasible.

Technical Data

Outer material: silicone-coated fabric, green
washable at 60° C; do not dry in a dryer

Order numbers

Size 195 x 70 cm – 62011
Size 140 x 110 cm – 62010
Size 130 x 70 cm – 62009
Size 80 x 70 cm – 62008
Size 48 x 48 cm – 62007



aks sliding and turning sheet with grip loops

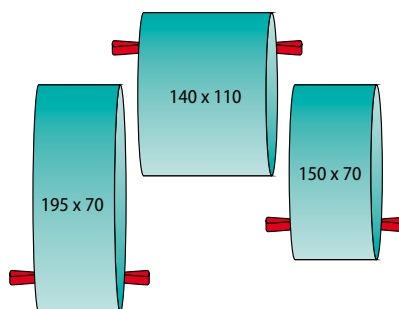
This design combines all positive product characteristics of the aks sliding and turning sheets and may potentially be used for particularly heavy and very heavy patients. The grip loops here provide as low friction resistance as possible while in use and thus make movement of these patients possible. With more and more people suffering from adiposity, the use of such sheets is becoming increasingly more important.

Technical Data

Outer material: silicone-coated fabric, green
Grip loops: Polyester sling, red
washable at 60 °C; do not dry in a dryer

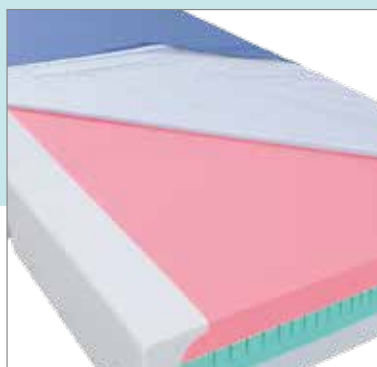
Order numbers

Size 195 x 70 cm – 62014
Size 140 x 110 cm – 62013
Size 150 x 70 cm – 62012





**Innovative and classic aids
for pressure relief**



Anti-decubitus systems for decubitus prophylaxis and therapy

It started with decubiflow® 100 in the late 1980s. The company founder, Kamil Sarisen, developed the small-cell alternating pressure system which quickly established itself on the German medical appliances market. The product range has been gradually extended and adapted to current research results and market requirements.

As an internationally operating company, aks GmbH today provides an extensive range of small-cell to high-cell alternating pressure systems for the corresponding decubitus grade. And this includes every conceivable variant of anti-decubitus mattresses made of foam: from the low-cost cube mattress to the high-end version with viscoelastic foams.

Furthermore, the demand for solutions for adipose patients is satisfied with the aks samson and the aks HD 85 in the aks bariatric range.

The aks decu side lateral positioning system is particularly suitable for patients in pain. You can rely on a certified manufacturer with know-how and absolute dealer loyalty.

Useful information

EPUAP

Decubitus grades are currently stated with the note “according to EPUAP”.

EPUAP (European Pressure Ulcer Advisory Panel) is the European advisory body for decubitus. Medical specialists and scientists further develop decubitus research here.

Grade I according to EPUAP

Non-blanchable, localised reddening of intact skin, usually above a bony projection. Fading may not be visible for darkly pigmented skin; however, the colour can be different from the surrounding skin. The area may be tender, hardened, soft, warmer or colder than the surrounding tissue. These symptoms can indicate a (decubitus) risk.

Grade II according to EPUAP

Partial destruction of the skin (as far as the dermis/sciera), which appears as a flat, open ulcer with a red- to pink-coloured wound bed without covering. It can also present itself as an intact or open/ruptured, serum-filled blister. It manifests itself as shiny or dry, flat ulcer without necrotic tissue or bruising*. This category should not be used to describe skin tears (tissue ruptures), skin damage caused by bandages or plasters, lesions due to humidity, macerations or grazes.

** Bruises indicate deep tissue damage.*

Grade III according to EPUAP

Destruction of all skin layers. Subcutaneous fat can be visible; however, no bones, muscles or tendons. There can be a covering; however, this does not conceal the depth of the tissue damage. Tunnels or undermining can be present. The depth of the decubitus of Category/ Stage/Grade III varies according to anatomical localisation. The bridge of the nose, the ear, the back of the head and the auditory ossicle have no subcutaneous tissue; therefore, Category III wounds there can also be very superficial. In contrast, extremely deep Category III wounds may occur at particularly adipose parts of the body. Bones and tendons are not visible or palpable.

Grade IV according to EPUAP

Total tissue loss with exposed bones, tendons or muscles. Covering and scab can be present. Tunnels or undermining are often present. The depth of the Category IV decubitus depends on the anatomical localisation. The bridge of the nose, the ear, the back of the head and the bone prominence on the ankle have no subcutaneous tissue; therefore, wounds there may also be very superficial. Category IV wounds can spread into muscles or supporting structures (fascia, tendons or joint capsules) and can easily cause osteomyelitis or osteitis in doing so. Bones and tendons are visible or palpable.

Source: Decubitus Prevention guideline, prepared by EPUAP and NPUAP

Evaluation of the decubitus risk according to Prof. Dr. Barbara Braden

	1 point	2 points	3 points	4 points
Sensory perception Ability to perceive and react adequately to positional and artificial stimuli, e.g. pressure	Completely failed No reaction to pain stimuli (also no groaning, twitching, gripping) due to reduced (neural) perception as far as unconsciousness or sedation OR discomfort/pain is not perceived over most of the body.	Severely limited Reaction only to strong pain stimuli; discomfort can only be communicated via twitching or restlessness OR sensory perception severely reduced. Discomfort/pain is not perceived over half of the body.	Slightly limited Reaction to stimuli, discomfort and the requirement for change of position cannot always be imparted OR sensory perception is reduced. Discomfort/pain is not perceived in one or two extremities.	Not limited Reaction to stimuli, discomfort OR pain are perceived and can be named.
Moisture Extent to which the skin is exposed to moisture	Constantly moist The skin is constantly moist due to perspiration, urine etc. Wetness is discovered for every movement.	Often moist Skin is often moist, but not always. Bed linen must be changed at least once per shift.	Sometimes moist The skin is moist sometimes; the bed linen must also be changed once per day.	Seldom moist The skin is usually dry. Change of bed linen only routinely.
Activity Degree of physical activity	Confined to bed The patient cannot leave the bed.	Sits up Can walk somewhat with help. The patient cannot support his own weight alone. Needs help to sit up (bed, chair, wheelchair).	Walking Walks several times per day but only short distances. Sometimes with and sometimes without help. Spends most of time in the bed/armchair/wheelchair.	Regular walking Leaves the room at least twice a day. Walks up and down in the room approx. every two hours during the day.
Mobility Ability to maintain and change the body position	Complete immobility Even the smallest position change of the body or extremities requires assistance.	Severely limited A position change of the body or extremities is sometimes performed independently but not regularly.	Slightly limited Slight position changes of the body or extremities are performed regularly and independently.	Not limited Position changes are performed regularly and without assistance.
Nutrition General nutrition	Poor nutrition Never finishes the portion. Seldom eats more than 1/3 of each meal. Eats two or less portions containing protein (meat or dairy products) per day. Drinks too little. Drinks no nutritional supplement OR does not take any food orally OR only clear liquids or IV substitution more than five days.	Probably insufficient nutrition Seldom finishes complete meal, usually only half. The protein supply is made only via three daily portions (dairy products, meat). Sometimes nutrition supplements are taken OR receives less than the required amount of liquid or special nutrition.	Sufficient nutrition Eats more than half of most meals with a total of four portions containing protein (dairy products, meat) daily. Declines a meal occasionally; however, takes nutrition supplement OR is fed via a tube and thus receives the most required nutrients.	Good nutrition Eats all meals; does not refuse any. Normally eats four portions containing protein (dairy products, meat), sometimes also a snack. Does not need any nutrition supplement.
Friction and shear forces	Problem Moderate to significant support required for each position change. Raising (e.g. also in the head end direction) not possible without dragging over the underlay. Slips down regularly in the bed/chair and must be returned to the original position. Spasticity, contractions and restlessness cause almost constant friction.	Potential problem Moves a little and seldom needs assistance. The skin chafes less intensively during the movement on the underlay (the patient can raise himself a little). Remains relatively long in the optimum position in the bed (armchair/wheelchair/reclining chair). Only slides down rarely.	No identifiable problem Moves independently and without assistance in bed and chair. Muscular force is sufficient to raise himself without friction. Maintains optimum position in bed or chair by himself.	Evaluation Add the points of the patient and evaluate the result according to the risk level from "no risk" to "very high risk". <div> <div>> 18 points</div> <div>No risk</div> <div>18-15 points</div> <div>Low risk</div> <div>14-12 points</div> <div>Medium risk</div> <div>11-9 points</div> <div>High risk</div> <div>< 9 points</div> <div>Very high risk</div> </div>
				Total:

Source: BVMed



Image: saniflow® p here being used with a standard mattresses and aks inkocover cover (neither is included in the scope of delivery for the saniflow® p)

**PROPHY-
LAXIS**

saniflow® p

Small-cell anti-decubitus alternating pressure system with individual pressure adjustment

The advantages of the saniflow® p:

- Overlay mattress system
- Easy operation
- Continuous pressure adjustment according to the patient weight
- Use with a standard foam mattress (minimum height 10 cm)
- Cycle: 6 minutes
- Alternating two-chamber system for intermittent pressure relief
- 124 honeycombs (cells)
- Mains power switch with indicator lamp
- Cell height 6.35 cm
- 2 fold-over ends at the head and foot sides of the mattress for fastening to a foam underlay or foam mattress
- flow air® mattress with ventilation perforations
- Suitable for re-use
- Warranty: pump unit 2 years; mattress 6 months

Patient weight 45-120 kg
Decubitus grade prophylaxis

Order numbers

saniflow® p – 22110
Replacement pump unit – 22111
Replacement mattress – 02101
Cover, aks inkocover – 04104



saniflow® II

Large-cell, standard class anti-decubitus alternating pressure system

The standard class already starts with a large-cell mattress overlay system which provides the patient with pleasant relief using alternating pressure.

The advantages of the saniflow® II:

- Overlay mattress system
- Easy operation: continuously variable pressure setting according to the patient weight, stable folding metal spreader bar for attachment to the bed, simple filter replacement
- Visual display for reaching the required pressure
- Visual alarm in the event of pressure loss (e.g. leak)
- Highly elastic foam strips on the rear side and soft feet for noise insulation
- Cycle time 12 minutes
- Alternating two-chamber system for intermittent pressure relief
- 17 cells, can be replaced individually
- Cell height 13 cm
- Mattress cover made of nylon/PVC fastened to the mattress overlay at the head and foot ends with press studs, water-impermeable
- With fold-over ends for fastening to the foam mattress underlay

- Fast ventilation of the mattress using end plugs with pull ring
- Secure snap-in connection of the hoses on the pump unit
- Warranty: 2 years

Patient weight 40-120 kg

Decubitus grade up to and incl. Grade II (according to EPUAP)

Order numbers

saniflow® II – 21230

Replacement pump unit – 21231

Replacement mattress incl. cover – 21232



UP TO
GRADE II
EPUAP

saniflow® II S

In static mode, patients in pain
can be supported gently.

Advantages; see description of the saniflow® II

Additional functions of the saniflow® II S

- Switch for static mode
- Visual and audible alarms in the event of pressure loss (e.g. leak)
- Switch for resetting the audible alarm

Patient weight 40-120 kg

Decubitus grade up to and incl. Grade II
(according to EPUAP)

Order numbers

saniflow® II S – 21239

Replacement pump unit – 21240

Replacement mattress incl. cover – 21232



saniflow® III

Large-cell, medium standard class anti-decubitus alternating pressure system with static function

This further developed version enables persons with up to 130 kg body weight and up to and including Decubitus Grade III according to EPUAP to use the advantages of a medium standard class alternating pressure system.

The advantages of the saniflow® III:

- Overlay mattress system
- With static function and thus suitable for patients in pain
- Easy operation: continuously variable pressure setting according to the patient weight; simple filter replacement
- Visual display for reaching the required pressure
- Visual and audible alarms in the event of pressure loss (e.g. leak)
- Switch for resetting the audible alarm
- Highly elastic foam strips on the rear side and soft feet for noise insulation
- Cycle time 12 minutes
- Alternating two-chamber system for intermittent pressure relief
- 17 cells, can be replaced individually

- Cell height 13 cm
- Mattress cover made of nylon/PVC fastened to the mattress with all-round zip; water-impermeable
- With diagonal rubber strips routed over the corners on the mattress underside for fixing to the foam mattress underlay
- Fast ventilation of the mattress using end plugs with pull ring
- Secure snap-in connection of the hoses on the pump unit
- Warranty: 2 years

Patient weight 40-130 kg
Decubitus grade up to and incl. Grade III
(according to EPUAP)

Order numbers

saniflow® III – 21233

Replacement pump unit – 21234

Replacement mattress incl. cover – 21235



saniflow® IV

Large-cell enhanced standard class anti-decubitus alternating pressure system with static and care function

As a mattress replacement system with a sophisticated range of functions, saniflow® IV meets the high requirements of the enhanced standard. Patients with decubitus up to and including Grade IV according to EPUAP receive the best standard care for decubitus therapy.

The advantages of the saniflow® IV:

- Mattress replacement system
- Care function enables a maximum filled static support surface with a time limit of 30 minutes and automatic changeover to the previously selected alternating pressure or static operating mode and the selected pressure level.
- 8-stage pressure setting according to the patient weight
- Visual display for reaching the required pressure
- Visual and audible alarms in the event of pressure loss (e.g. leak)
- Switch for resetting the audible alarm
- Cycle time can be set from 10-25 minutes
- Mattress replacement system with removable foam underlay (4 cm)
- Alternating two-chamber system for intermittent pressure relief
- 17 cells, can be replaced individually

- Cell height 13 cm
- Mattress cover made of nylon/PVC fastened to the mattress with all-round zip; water-impermeable
- With diagonal rubber strips routed over the corners on the mattress underside for fixing to the horizontal area
- Fast ventilation of the mattress using end plugs with pull ring
- Secure snap-in connection of the hoses on the pump unit
- Warranty: 2 years

Patient weight 40-130 kg

Decubitus grade up to and incl. Grade IV
(according to EPUAP)

Order numbers

saniflow® IV – 21236

Replacement pump unit – 21237

Replacement mattress incl. cover – 21238



decubiflow® 23

Large-cell, premium class anti-decubitus alternating pressure system for decubitus prophylaxis and therapy

The complete **mattress replacement system** with intelli-static function is an innovative, convenient quality product.

The advantages of the decubiflow® 23:

- Mattress replacement system
- Easy operation: intelli-static function, particularly suitable for patients in pain; static can be set separately, continuously variable pressure setting according to the patient weight
- Audible and visual leak alarms
- Visual display for operational readiness
- Cycle time 12 minutes
- Alternating two-chamber system for intermittent pressure relief
- 18 high-quality cells made of PU which can be replaced individually, of which 3 are static cells in the head area for pleasant support, 8 cells with flow-air® micro perforations for improvement of the micro climate
- Cell height 13 cm
- Bi-elasto Flowtex cover bi-elastic, breathable and water-impermeable

- CPR valve for fast mattress ventilation
- Secure and high-quality CPC snap-in connection
- Four elastic slings on the mattress underside for fixing
- Warranty: 2 years

Patient weight 30-130 kg

Decubitus grade up to and incl. Grade IV (according to EPUAP)

Order numbers

decubiflow® 23 – 22303

Replacement pump unit – 22304

Replacement pump unit incl. cover – 22311



decubiflow® 23 A

Large-cell, premium class anti-decubitus alternating pressure system with intelli-static

Thanks to intelli-static, the large-cell **mattress overlay system** is suitable for pain therapy and is equipped with pressure sensor technology.

The advantages of the decubiflow® 23 A:

- Overlay mattress system
- Easy operation: intelli-static function, particularly suitable for patients in pain; static can be set separately, continuously variable pressure setting according to the patient weight
- Audible and visual leak alarms
- Visual display for operational readiness
- Cycle time 12 minutes
- Alternating two-chamber system for intermittent pressure relief
- 18 high-quality cells made of PU which can be replaced individually, of which 3 are static cells in the head area for pleasant support and 8 cells with flow-air® micro perforations for improvement of the micro climate
- Cell height 13 cm

- Bi-elasto Flowtex cover bi-elastic, breathable and water-impermeable
- CPR valve for fast mattress ventilation
- Secure and high-quality CPC snap-in connection
- 2 fold-over ends at the head and foot sides of the mattress for fastening to a foam underlay with thickness of at least 4 cm
- Warranty: 2 years

Patient weight 30-130 kg

Decubitus grade up to and incl. Grade IV (according to EPUAP)

Order numbers

decubiflow® 23 A – 22307

Replacement pump unit – 22304

Replacement mattress incl. cover – 21305



decubiflow® 400

Large-cell, premium class anti-decubitus alternating pressure system for decubitus prophylaxis and therapy

The largest microprocessor-controlled pressure management system of the aks Premium class has been included in the high-quality APS for many years. It is particularly used in pain therapy.

The advantages of the decubiflow® 400:

- Mattress replacement system
- Microprocessor-controlled alternating pressure system with variable cycle times and intelli-static function
- Using the continuously variable adjustment, variable cycle times up to 20 minutes and variable pressure values up to the maximum pressure of 60 mmHg are possible. Pressure and cycle can thus be individually adjusted for the patient.
- Particularly suitable for patients in pain due to the intelli-static function
- Visual and audible alarms in the event of pressure loss for safety in the care
- Alternating two-chamber system for intermittent pressure relief
- 18 high-quality cells made of PU which can be replaced individually, of which 3 are static cells in the head area for pleasant support, 8 cells with flow-air® micro perforations for improvement of the micro climate
- Cell height 13 cm
- Bi-elasto Flowtex cover bi-elastic, breathable and water-impermeable
- CPR valve for fast mattress ventilation
- Secure and high-quality snap-in connectors on the connection hoses
- Four elastic slings on the mattress underside for fixing
- Warranty: 2 years

Patient weight 40-130 kg
Decubitus grade up to and incl. Grade IV (according to EPUAP)

Order numbers

decubiflow® 400 – 20401
Replacement pump unit – 20403
Replacement pump unit incl. cover – 22311



decubiflow® 500

High-cell anti-decubitus alternating pressure system for decubitus prophylaxis and therapy

This microprocessor-controlled alternating pressure system, with 20 high-quality cells **20 cm high for up to 150 kg patient weight**, is particularly suitable for pain therapy.

The advantages of the decubiflow® 500:

- Mattress replacement system
- Microprocessor-controlled alternating pressure system with variable cycle times and intelli-static function
- Continuously variable adjustment with variable cycle times up to 20 minutes and variable pressure values up to the maximum pressure of 60 mmHg
- Pressure and cycle can be individually adjusted for the patient
- Particularly suitable for patients in pain due to the intelli-static function
- Visual and audible alarms in the event of pressure loss support safety in the care.
- Alternating two-chamber system for intermittent pressure relief
- 20 high-quality cells made of PU which can be replaced individually, of which 8 are cells with flow-air® micro perforations for improvement of the micro climate
- Cell height 20 cm

- Bi-elasto Flowtex cover bi-elastic, breathable and water-impermeable
- CPR valve for fast mattress ventilation
- Secure and high-quality CPC snap-in connection
- Four elastic slings on the mattress underside for fixing
- Warranty: 2 years

Optional

- *Reprogramming of the microchip of the pump unit for use with patients below 40 kg body weight

Patient weight 40-150 kg

Convertible for patients under 40 kg

Decubitus grade up to and incl. Grade IV (according to EPUAP)

Order numbers

decubiflow® 500 – 25001

Replacement pump unit – 25003

Replacement pump unit incl. cover – 25002

Adjustable*
For patients
under 40 kg

UP TO
GRADE IV
EPUAP



aks decu side

Lateral positioning system with soft bedding layer, particularly for patients in pain

An optimum combination of soft bedding and lateral positioning is achieved with this system. Various positioning programs can be set for the specific position change.

Order number

System with inkoair® mattress cover
90 x 200 x 16 cm – 20301

The advantages of the aks decu side:

- Mattress replacement system with fixed substructure and soft positioning layer
- Microprocessor-controlled lateral positioning system
- Program selection button for five positioning programs
- Rotary control for setting the cycle time
- Rotary control for setting the inclined position
- Display for the selected program or an error message
- Display of the current patient position
- Two separate air chambers for the lateral positioning function
- Mattress cover made of inkoair® with all-round zip
- Fabric-reinforced connection tubes
- Secure and high-quality snap-in connection (CPC)
- Warranty: 2 years

Patient weight 40-120 kg

Decubitus grade up to and incl. Grade III
(according to EPUAP)

Technical Data Alternating pressure systems

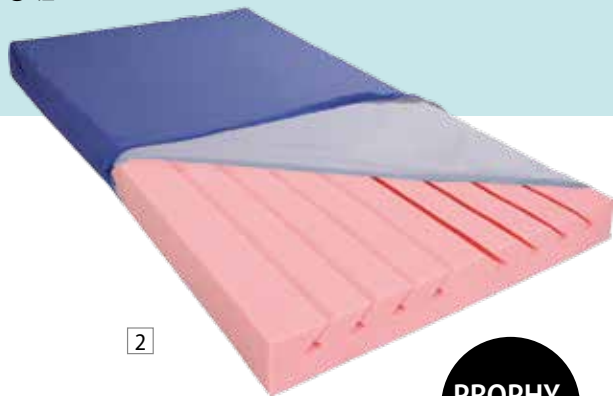
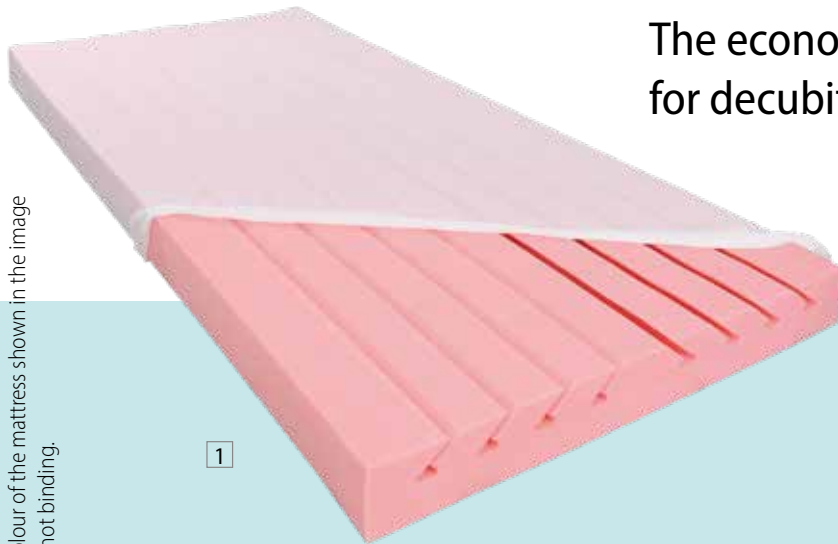
Product	Pump unit			Mattress overlay/mattress replacement system				
	W x H x D (incl. feet)	Weight	Power consump- tion	Support	Replace- ment system	H x W x L	Weight	Cells/honeycombs *(static)
saniflow® p	11 x 23 x 8.1 cm	1.1 kg	12 W	Yes		6.35 x 90 x 192 cm	2.3 kg	124 honeycombs
Replacement mattress flow air®								
saniflow® II	28 x 20.5 x 10 cm	2.3 kg	12 W	Yes		13 x 90 x 200 cm	4.9 kg	17
Replacement mattress								
Replacement pump unit								
saniflow® II S	28 x 20.5 x 10 cm	2.3 kg	12 W	Yes		13 x 90 x 200 cm	4.9 kg	17
Replacement mattress								
Replacement pump unit								
saniflow® III	28 x 20.5 x 10 cm	2.3 kg	12 W	Yes		13 x 90 x 200 cm	4.9 kg	17
Replacement mattress								
Replacement pump unit								
saniflow® IV	28 x 20.5 x 10 cm	2.6 kg	12 W		Yes	17 x 90 x 200 cm	8.3 kg	17
Replacement mattress								
Replacement pump unit								
decubiflow® 23	28 x 19.5 x 11 cm	1.9 kg	9 W		Yes	17 x 90 x 200 cm	8.4 kg	18 *(3)
Replacement mattress incl. cover								
Replacement pump unit								
decubiflow® 23 A	28 x 19.5 x 11 cm	1.9 kg	9 W	Yes		13 x 90 x 200 cm	5.9 kg	18 *(3)
Replacement mattress incl. cover								
Replacement pump unit								
decubiflow® 400	29 x 26 x 11 cm	3 kg	15 W		Yes	17 x 90 x 200 cm	8.4 kg	18 *(3)
Replacement mattress incl. cover								
Replacement pump unit								
decubiflow® 500	29 x 26 x 11 cm	3 kg	15 W		Yes	24 x 90 x 200 cm	11 kg	20
Replacement mattress incl. cover								
Replacement pump unit								
aks decu side	29 x 26 x 11 cm	3 kg	15 W		Yes	16 x 90 x 200 cm	11 kg	2 lift tubes
aks samson	36.9 x 25 x 13.5 cm	3.6 kg	12 W		Yes	25 x 90 x 200 cm	7.6 kg	20 double cells
<i>Product description see bariatric range</i>						25 x 100 x 200 cm	7.8 kg	
						25 x 120 x 200 cm	8.7 kg	
						25 x 140 x 200 cm	9.9 kg	
						25 x 90 x 220 cm	7.9 kg	
						25 x 100 x 220 cm	8.2 kg	
						25 x 120 x 220 cm	10.3 kg	
						25 x 140 x 220 cm	11.0 kg	

Static mode	Micro perforation	Height of cells	Minimum patient weight	Maximum patient weight	Decubitus grade EPUAP	Pain therapy	Order No.
	30 honey-combs	6.35 cm	45 kg	125 kg	Prophylaxis		22112
							02101
		13 cm	40 kg	120 kg	Grade II		21230
							21232
							21231
Yes		13 cm	40 kg	120 kg	Grade II	Yes	21239
							21232
							21240
Yes		13 cm	40 kg	130 kg	Grade III	Yes	21233
							21235
							21234
Yes/care function		13 cm	40 kg	130 kg	Grade IV	Yes	21236
							21238
							21237
Yes	8 cells	13 cm	30 kg	130 kg	Grade IV	Yes	22303
							22311
							22304
Yes	8 cells	13 cm	30 kg	130 kg	Grade IV		22307
							21305
							21304
Yes	8 cells	13 cm	40 kg	130 kg	Grade IV	Yes	20401
							22311
							20403
Yes	8 cells	20 cm	40 kg	150 kg	Grade IV	Yes	25001
							25002
							25003
			40 kg	120 kg	Grade III	Yes	20301
Yes, seat/care function		25 cm	30 kg	300 kg	Grade IV	Yes	27600
							27605
							27610
							27620
							27601
							27606
							27611
							27621

aks profiplot n

The economic alternative for decubitus prophylaxis

Colour of the mattress shown in the image
is not binding.



**PROPHY-
LAXIS**

The low-cost mattress fulfils all basic requirements, also for maximum load. The shear forces are minimised by the longitudinal sections.

The advantages of the aks profiplot n:

- Mattress for care beds
- Suitable for decubitus prophylaxis
- The arrangement of the longitudinal sections with 45° inclination minimises the shear forces.
- The large, free cross-section of the longitudinal sections provides a good microclimate.
- Continuous, high elastic polyurethane cold foam including polyester (PES) stockinette bottom cover with zip to protect the mattress during transport, makes it easier to pull on a mattress cover or a stretch sheet
- Upon delivery, mattresses are vacuumed and rolled to save space, packaging unit = 3 pieces
- inkoair® mattress cover (option); see illustration 2

Patient weight 40-135 kg

Decubitus grade prophylaxis

Mattress order numbers

90 x 190 x 12 cm – 39101

90 x 200 x 12 cm – 39055

100 x 200 x 12 cm – 39102

Order number, aks profiplot n incl. inkoair® mattress cover

90 x 200 x 12 cm – 39300

Order numbers, inkoair® mattress cover

90 x 190 x 12 cm – 49042

90 x 200 x 12 cm – 49040

100 x 200 x 12 cm – 49041

aks maxiplot

For decubitus prophylaxis and therapy with optimum price/performance ratio



UP TO
GRADE I
EPUAP

This reasonably priced cube mattress is suitable for decubitus therapy support and has proved successful for many years.

The advantages of the aks maxiplot:

- Cube mattress at an attractive price
- 144 (90 x 200 cm) or 162 (100 x 200 cm) firmly attached foam cubes with specially rounded surfaces
- Distribution of the patient's weight and reduction of the support pressure
- Precisely incorporated air ducts for improved air circulation
- Easy handling due to low weight
- Upon delivery, mattresses are vacuumed and rolled to save space
- Continuous use for home care and in the elderly and nursing home sector
- Optionally available with aks inkocover stretch cover or inkoair® mattress cover (also available separately)

Patient weight 40-110 kg

For decubitus prophylaxis and therapy support up to and including Grade I (acc. to EPUAP)

Order numbers

Mattress with aks inkocover stretch cover

90 x 200 x 14 cm – 04002

100 x 200 x 14 cm – 04004

Mattress with inkoair® mattress cover

90 x 200 x 14 cm – 04005

100 x 200 x 14 cm – 04006

aks inkocover stretch cover

90/100 x 200 x 14 cm – 04104

inkoair® mattress cover

90 x 200 x 14 cm – 49030

100 x 200 x 14 cm – 49031

aks microplot plus

For decubitus prophylaxis and therapy. The plus to stable soft lying



UP TO
GRADE II
EPUAP

Cube mattress with stable trough for optimum soft lying. Also specially for low body weights due to particularly soft, cube structured horizontal area.

The advantages of the aks microplot plus:

- Cube-structured lying area with low compression hardness for optimised soft lying
- Specially rounded cube surfaces provide better distribution of the patient weight on the largest possible area; this causes reduction of the support pressure with reduction of the shear forces
- The cube section makes air circulation in the mattress possible
- Edge zone reinforcement for support of the mobilisation of the patient
- Adaptable for adjustment of the bed lying area
- Optionally available with aks inkocover stretch cover or inkoair® mattress cover (also available separately)
- Upon delivery, mattresses are vacuumed and rolled

Patient weight 40-120 kg

For decubitus prophylaxis and therapy support up to and including Grade II (acc. to EPUAP)

Order numbers

Mattress with aks inkocover stretch cover

90 x 200 x 16 cm – 04420

100 x 200 x 16 cm – 04421

Mattress with inkoair® mattress cover

90 x 200 x 16 cm – 04424

100 x 200 x 16 cm – 04425

aks inkocover stretch cover

90/100 x 200 x 16 cm – 04104

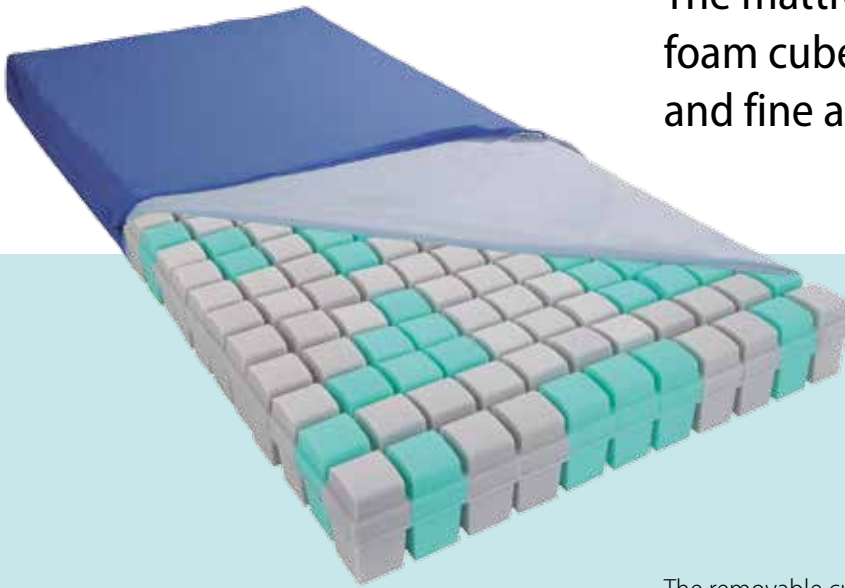
inkoair® mattress cover

90 x 200 x 16 cm – 49032

100 x 200 x 16 cm – 49033

aks varioplus

The mattress with removable foam cubes for more flexibility and fine adjustment



The removable cubes of this mattress enable anatomically individual body adjustment and good soft lying for optimised pressure distribution.

**UP TO
GRADE II
EPUAP**

The advantages of the aks varioplus:

- Combination cube mattress made of high-quality foams
- Soft lying and hollow positioning with different compression hardnesses and heights of the removable cubes for more precise, individual body adjustment
- Rounded cube surfaces for optimised distribution of the patient weight on the largest possible area, improved reduction of the support pressure
- The drop-in grille system connects the various cubes to each other
- Areas with decubitus can be supported almost without pressure
- Soft and firmer cubes in accordance with anatomical requirements are already inserted when the mattress is shipped.
- The design and the fine cut of the cubes leave enough free space for optimum air circulation between patient and mattress.
- Including inkoair® mattress cover (also available separately)
- Upon delivery, mattresses are vacuumed and rolled

Patient weight 40-120 kg

For decubitus prophylaxis and therapy support up to and including Grade II (acc. to EPUAP)

Order numbers

Mattress with inkoair® mattress cover

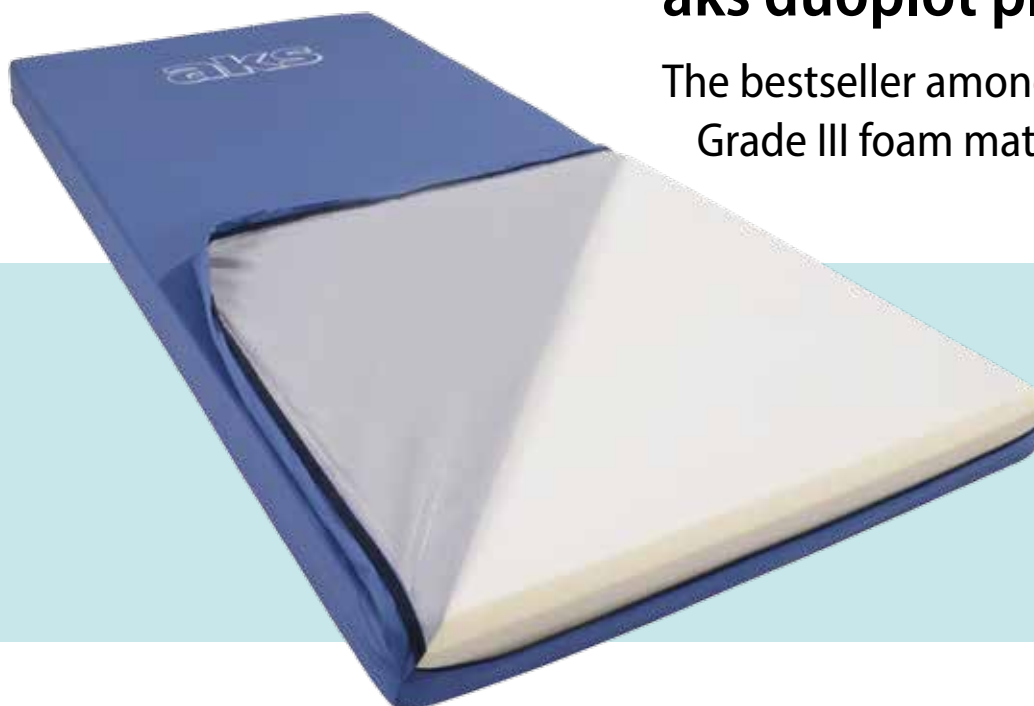
90 x 200 x 15 cm – 04517

100 x 200 x 15 cm – 04518

inkoair® mattress cover

90 x 200 x 15 cm – 49034

100 x 200 x 15 cm – 49035



aks duoplot/ aks duoplot plus

The bestseller among the
Grade III foam mattresses

UP TO
GRADE III
EPUAP

The advantages of the aks duoplot/aks duoplot plus:

- Optimum pressure relief thanks to large support area made of soft foam
- Reduces shear forces and produces favourable micro-climate through incisions below the support surface
- Suitable for bedding cachectic patients and patients in pain
- Available in widths of 90 cm and 100 cm and in heights of 12 and 14 cm (aks duoplot plus)
- Incl. aks inkoair® mattress cover, especially suitable for patients with incontinence
- Mattress cover certified according to OEKO-Tex® Standard 100 (product class I)
- Mattress cover free of latex, bi-elastic and washable at up to 95 °C
- Optional: extender (20 cm)
- Upon delivery, mattresses are vacuumed and rolled

Patient weight 40-120 kg for 12 cm height

and 40-140 kg for 14 cm height

For decubitus prophylaxis and therapy support up to and including Grade III (acc. to EPUAP)

Order numbers

Mattress with inkoair® mattress cover

90 x 200 x 12 cm – 04770/ x 14 cm – 04791

100 x 200 x 12 cm – 04771/ x 14 cm – 04792

inkoair® mattress cover

90 x 200 x 12 cm – 49040/ x 14 cm – 49030

100 x 200 x 12 cm – 49041/ x 14 cm – 49031

Mattress extension set 20 cm

including inkoair® mattress cover

90 x 220 x 12 cm – 04772/ x 14 cm – 04793

100 x 220 x 12 cm – 04773/ x 14 cm – 04794

aks duoplot RV/ aks duoplot plus RV

Suitable for decubitus prophylaxis and therapy support with edge zone reinforcement



UP TO
GRADE III
EPUAP

The advantages of the

aks duoplot RV/aks duoplot plus RV:

- Optimum pressure relief thanks to large support area made of soft foam
- **Reinforced edge zone** for stable sitting on the edge of the mattress and easier transfer to the chair/wheelchair
- Reduces shear forces and produces favourable microclimate through incisions below the support surface
- Suitable for bedding cachectic patients and patients in pain
- Available in widths of 90 cm and 100 cm and in heights of 12 and 14 cm (aks duoplot plus RV)
- Incl. aks inkoair® mattress cover, especially suitable for patients with incontinence
- Mattress cover certified according to OEKO-Tex® Standard 100 (product class I)
- Mattress cover free of latex, bi-elastic and washable at up to 95 °C
- Optional: extender (20 cm)
- Upon delivery, mattresses are vacuumed and rolled

Patient weight 40-120 kg for 12 cm height
and 40-140 kg for 14 cm height

For decubitus prophylaxis and therapy support up to and including Grade III (acc. to EPUAP)

Order numbers

Mattress with inkoair® mattress cover

90 x 200 x 12 cm – 04780/ x 14 cm – 04801

100 x 200 x 12 cm – 04781/ x 14 cm – 04802

inkoair® mattress cover

90 x 200 x 12 cm – 49040/ x 14 cm – 49030

100 x 200 x 12 cm – 49041/ x 14 cm – 49031

Mattress extension set 20 cm

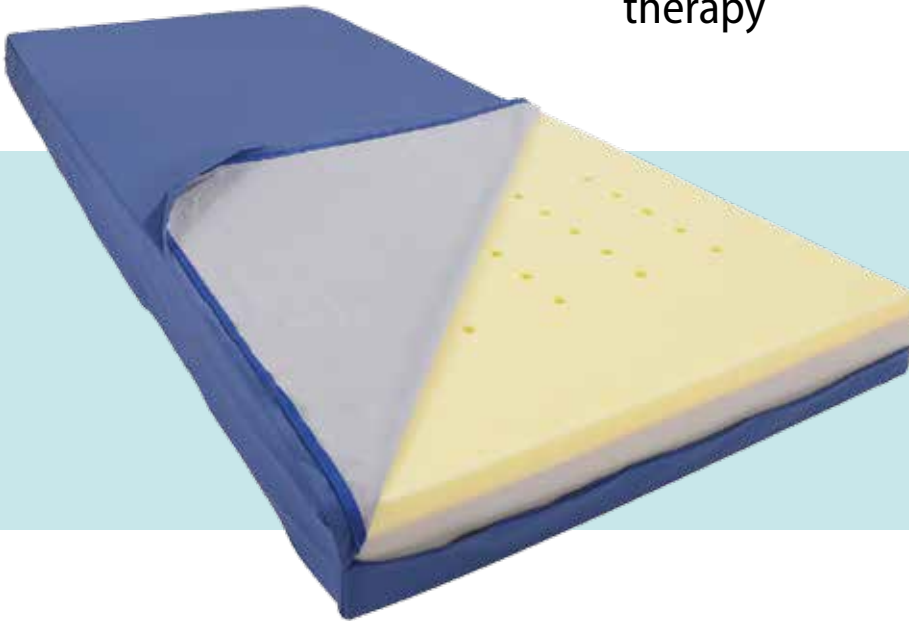
including inkoair® mattress cover

90 x 220 x 12 cm – 04775/ x 14 cm – 04793

100 x 220 x 12 cm – 04776/ x 14 cm – 04794

aks memoplot

Viscoelastic soft lying mattress
for decubitus prophylaxis and
therapy



UP TO
GRADE III
EPUAP

Anti-decubitus mattress with particularly good price/performance ratio and the advantages of a viscoelastic lying area top side.

Patient weight 40-120 kg

For decubitus prophylaxis and therapy support up to and including Grade III (acc. to EPUAP)

The advantages of the aks memoplot:

- Particularly well-suited for cachectic patients and for pain therapy
- Large support area made of soft, viscoelastic foam
- Ergonomic slits in the underside and the climate openings in the top layer favour the microclimate
- Optimum adjustment of the mattress to four-section lying areas using recesses on the mattress bottom side
- Optional mattress extension 20 cm
- Including inkoair® mattress cover (also available separately)
- Upon delivery, mattresses are covered, vacuumed and rolled

Order numbers

Mattress with inkoair® mattress cover

90 x 200 x 14 cm – 04764

100 x 200 x 14 cm – 04765

inkoair® mattress cover

90 x 200 x 14 cm – 49030

100 x 200 x 14 cm – 49031

Mattress extension set 20 cm

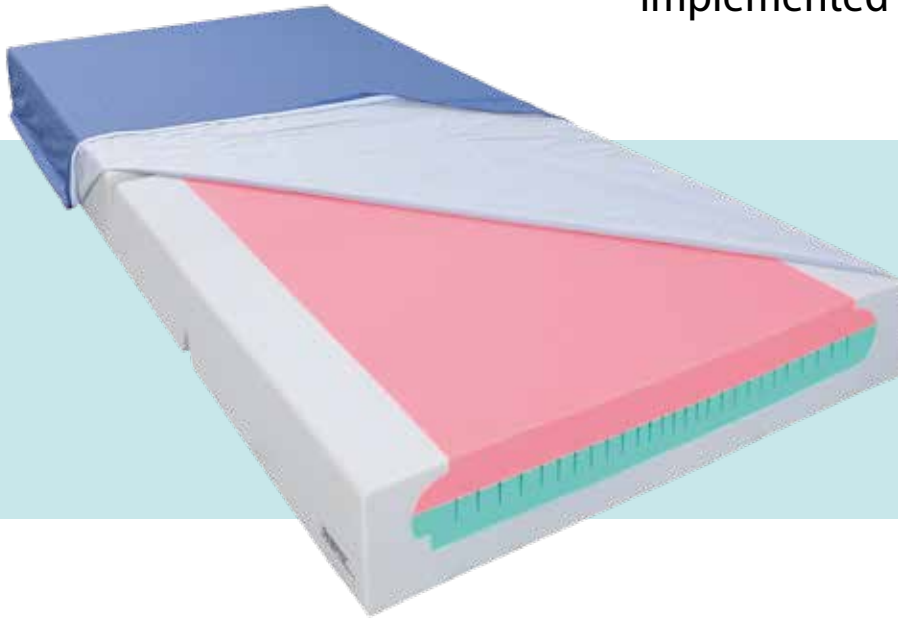
incl. inkoair® mattress cover

90 x 220 x 14 cm – 04766

100 x 220 x 14 cm – 04763

aks theraplot

Scientifically developed,
clinically tested and practically
implemented



UP TO
GRADE III
EPUAP

Our bestseller that optimally satisfies all requirements.

The advantages of the aks theraplot:

- Particularly well-suited for cachectic patients and for pain therapy
- Large support area made of soft, pink foam
- Adapts perfectly to the body profile and provides maximum support area
- Best pressure relief classes according to HMV
- The cube-shaped, green middle layer favours the microclimate
- Due to three graduated, different compression hardnesses, this mattress is suitable for a patient weight of 35 to 150 kg
- Optimum adjustment of the mattress to four-section lying areas using three recesses
- Edge zone reinforcement on both sides for support of the mobilisation of the patient
- Suitable for re-use
- Optional: Mattress extension (20 cm) to accommodate larger patients
- incl. inkoair® mattress cover
- Upon delivery, mattresses are covered, vacuumed and rolled

Patient weight 35-150 kg

For decubitus prophylaxis and therapy support up to and including Grade III (acc. to EPUAP)

Order numbers

Mattress with inkoair® mattress cover

90 x 200 x 17 cm – 04715

100 x 200 x 17 cm – 04716

inkoair® mattress cover

90 x 200 x 17 cm – 49000

100 x 200 x 17 cm – 49001

Mattress extension set 20 cm

incl. inkoair® mattress cover

90 x 220 x 17 cm – 04138

aks viscoplot

The logical further development
of the aks theraplot,
with viscoelastic lying area



UP TO
GRADE III
EPUAP

Anti-decubitus soft lying mattress made of foam which, as a high-end product, also meets the highest requirements.

The advantages of the aks viscoplot:

- Particularly well-suited for cachectic patients and for pain therapy
- Large support area made of soft, viscoelastic foam; adapts perfectly to the body profile and provides maximum support area
- The cube-shaped recesses in the green middle layer favour the microclimate
- Graduated, different compression hardnesses, in combination with viscoelastic support area for a patient weight of 30 to 150 kg
- Optimum adjustment of the mattress to four-section lying areas using three recesses
- Edge zone reinforcement on both sides for support of the mobilisation of the patient
- Ideally suited to re-use
- Optional: Mattress extension (20 cm) to accommodate larger patients
- incl. inkoair® mattress cover
- Upon delivery, mattresses are covered, vacuumed and rolled

Patient weight 30-150 kg

For decubitus prophylaxis and therapy support up to and including Grade III (acc. to EPUAP)

Order numbers

Mattress with inkoair® mattress cover

90 x 200 x 17 cm – 04733

100 x 200 x 17 cm – 04734

inikoair® mattress cover

90 x 200 x 17 cm – 49000

100 x 200 x 17 cm – 49001

Mattress extension set 20 cm

incl. inkoair® mattress cover

90 x 220 x 17 cm – 49005

aks protective covers for anti-decubitus mattresses made of foam

Alternatives for protection of positioning aids



As you can see on the previous pages, aks offers a comprehensive product range of anti-decubitus mattresses made of foam. Appropriate protective covers depending on the quality can also be found here.

The advantages of the aks protective covers:

aks inkocover stretch cover

- Simple but effective mattress protection for the lower price segment
- Outer surface made of 100% polyester
- Inner surface polyurethane-coated
- Washable up to 95 °C
- Breathable
- Waterproof
- Mite-proof

inkoair® mattress cover (see images)

- Suitable for all aks anti-decubitus mattresses made of foam
- Many sizes available
- Covered zip on two sides
- All-round protection of the complete mattress
- Washable up to 95 °C
- Impermeable to liquids
- High water vapour permeability
- Suitable for re-use
- Mattress protection for patients with incontinence

Technical Data Foam mattresses

Product	Mattress height	Mattress width	Mattress length	Min. patient weight	Max. patient weight	Cover variants
aks profiplot n	12 cm	90 cm	200 cm	40 kg	135 kg	Polyester (PES) stockinette bottom cover
	12 cm	90 cm	190 cm	40 kg	135 kg	Polyester (PES) stockinette bottom cover
	12 cm	100 cm	200 cm	40 kg	135 kg	Polyester (PES) stockinette bottom cover
aks maxiplot	14 cm	90 cm	200 cm	40 kg	110 kg	aks inkocover stretch cover
	14 cm	90 cm	200 cm	40 kg	110 kg	inkoair® mattress cover
	14 cm	100 cm	200 cm	40 kg	110 kg	aks inkocover stretch cover
	14 cm	100 cm	200 cm	40 kg	110 kg	inkoair® mattress cover
aks microplot plus	16 cm	90 cm	200 cm	40 kg	120 kg	aks inkocover stretch cover
	16 cm	90 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
	16 cm	100 cm	200 cm	40 kg	120 kg	aks inkocover stretch cover
	16 cm	100 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
aks varioplus	15 cm	90 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
	15 cm	100 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
aks duoplot	12 cm	90 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
	12 cm	100 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
aks duoplot RV	12 cm	90 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
	12 cm	100 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
aks duoplot plus	14 cm	90 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
	14 cm	100 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
aks duoplot plus RV	14 cm	90 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
	14 cm	100 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
aks memoplot	14 cm	90 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
	14 cm	100 cm	200 cm	40 kg	120 kg	inkoair® mattress cover
aks theraplot	17 cm	90 cm	200 cm	35 kg	150 kg	inkoair® mattress cover
	17 cm	100 cm	200 cm	35 kg	150 kg	inkoair® mattress cover
aks viscoplot	17 cm	90 cm	200 cm	30 kg	150 kg	inkoair® mattress cover
	17 cm	100 cm	200 cm	30 kg	150 kg	inkoair® mattress cover

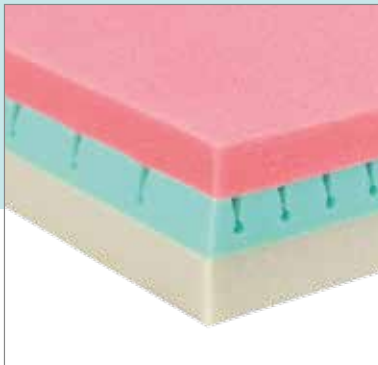
Decubitus grade according to EPUAP	Pressure relief class 80 kg	Pressure relief class max. patient weight	Pain therapy	Edge zone reinforcement	Order No.
Prophylaxis			No	No	39055
Prophylaxis			No	No	39101
Prophylaxis			No	No	39102
Grade I			No	No	04002
Grade I			No	No	04005
Grade I			No	No	04004
Grade I			No	No	04006
Grade II	H	H	No	Yes	04420
Grade II			No	Yes	04422
Grade II	H	H	No	Yes	04421
Grade II			No	Yes	04423
Grade II			No	No	04517
Grade II			No	No	04518
Grade III	H	H	Yes	No	04770
Grade III			Yes	No	04771
Grade III			Yes	Yes	04780
Grade III			Yes	Yes	04781
Grade III			Yes	No	04791
Grade III			Yes	No	04792
Grade III			Yes	Yes	04801
Grade III			Yes	Yes	04802
Grade III	H	D	Yes	No	04760
Grade III	H	D	Yes	No	04761
Grade III	H	H	Yes	Yes	04715
Grade III	H	H	Yes	Yes	04716
Grade III	H	H	Yes	Yes	04740
Grade III	H	H	Yes	Yes	04741

Upon delivery, the mattresses are covered and rolled.



Solution variants for sitting

Many sizes, various covers for different weights and requirements



aks anti-decubitus seat cushions

The wheelchair: mobility for people with handicaps

"The wheelchair is an incredibly useful aid in the everyday lives of people with limited mobility. It helps them get around much more easily, thus making them more independent. At the end of the day, this means they can have much more active social lives.

The wheelchair helps people overcome disabilities.

More than one and a half million people in Germany use a wheelchair at least some of the time. This group is made up in roughly equal parts of senior citizens and people with physical disabilities."*

What people want and expect from their wheelchairs and wheelchair seat cushions is as varied as the wheelchair users themselves. This is why aks has always strived to expand in this area, resulting in the wide range of products the company offers today.

*Source: *Stiftung MyHandicap gemeinnützige GmbH*



**PROPHY-
LAXIS**

aks maxisit

The basic care for patients at risk

This foam cube cushion is suitable for wheelchair users who are mobile enough to shift their seating position regularly. The cuboid structure and correct compression hardness of the cushion ensure that there is always good pressure distribution and low shear forces. Seat cushions including inkoair® seat cushion cover.

Patient weight 40-120 kg
Dimensions 42 x 42 x 9 cm
Decubitus prophylaxis

Order number
aks maxisit – 04050



**PROPHY-
LAXIS**

aks multisit

For users with low body weight or mobility

Since these people need a seat with a lower compression hardness, this wheelchair cushion uses a combination of suitable foam cubes and a trough made of stable foam. The trough provides the necessary support for the person sitting in the chair. The thighs are guided by two depressions on the front side. Seat cushions including inkoair® seat cushion cover.

Patient weight 40-90 kg
Dimensions 42 x 42 x 10 cm
Decubitus prophylaxis

Order number
aks multisit – 04350



aks gelsit

Proven, sturdy, durable

Gel cushions are very popular with self-mobile wheel-chair users. They feature minimal thickness and thus only slightly increase the overall seat height. Seat cushions including inkoair® seat cushion cover.

UP TO
GRADE I
EPUAP

Patient weight 40-100 kg

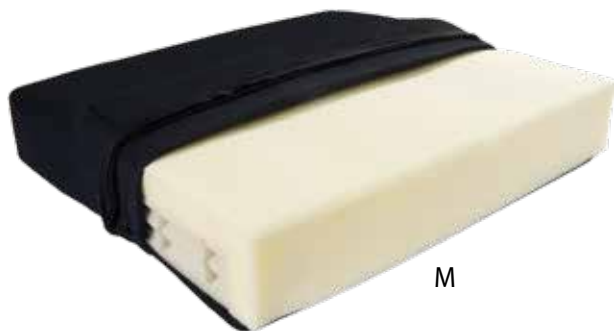
Dimensions 40 x 40 x 2.5 cm / 42 x 45 x 2.5 cm

For decubitus prophylaxis and therapy support up to and including Grade I (acc. to EPUAP)

Order numbers

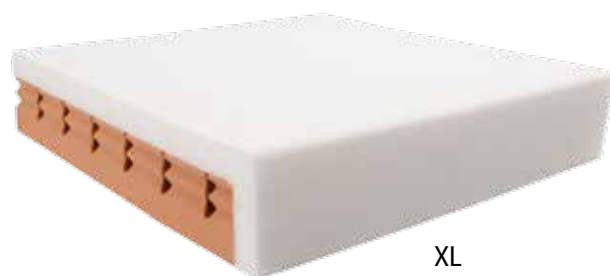
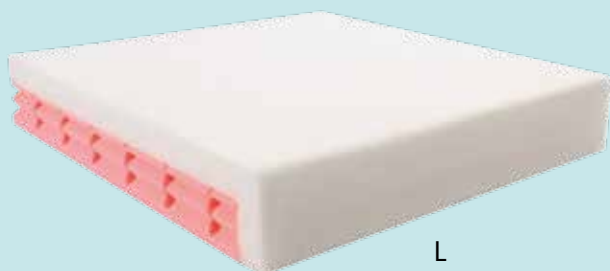
40 x 40 x 2.5 cm – 04150

42 x 45 x 2.5 cm – 04151



aks viscosit

Anti-decubitus foam seat cushions with a synergy of viscoelastic foam and foam spring technology



XL

**UP TO
GRADE II
EPUAP**

The advantages of the aks viscosit:

- The viscoelastic top layer forms a seat area that fits the individual user
- Together with the innovative foam spring technology, it provides point-elastic seating support
- Effective reduction of pressure peaks
- The viscoelastic foam around the front edge reduces the risk of pressure points in the back of the knee
- The standard 3D air seat cushion cover provides a better microclimate
- Many available sizes provide easy adaptation to the many different types of wheelchair
- 3 weight classes cater to all body types, from underweight to overweight

Option

- aks inkoair® seat cushion cover for protecting the cushion against the ingress of liquids

Patient weights

aks viscosit M, 20-50 kg

aks viscosit L, 50-100 kg

aks viscosit XL, 80-160 kg

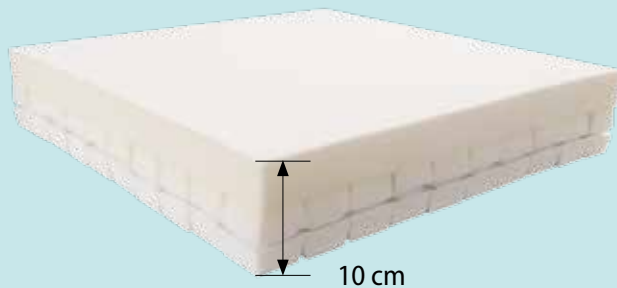
Decubitus prophylaxis and therapy support up to and including Grade II (acc. to EPUAP)

Order numbers and dimensions; see page 81 ff.



aks variosit 8 aks variosit 10

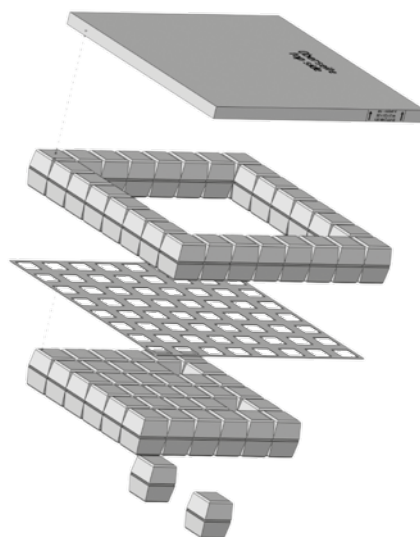
Two foam cube seat cushions
for personalised use in
wheelchairs



The advantages of the aks variosit 8
and aks variosit 10 seat cushions:

- 5 x 5 cm foam cubes allow for a wide range of available seat cushion sizes and thus the supply of individually tailored seat cushions
- Additional pressure relief can be provided by removing specific individual cubes from the underside to provide a virtually hollow structure under particularly sensitive buttock areas, e.g. in the vicinity of the ischium
- Sitting posture can be adjusted for patients with defective body positions, e.g. spinal distortion or scoliotic pelvis, by removing foam cubes
- The cubes at the edges are bonded to the upper foam layer to provide comfortable sitting support. The inserted mesh additionally adds support and makes removing cubes easier
- The two cushions differ in overall height (8 cm/10 cm) and in the choice of foam material combination
- Water-impermeable inkoair® seat cushion cover for protecting the cushion, e.g. in cases of incontinence

UP TO
GRADE IV
EPUAP



Option

- 3D air seat cushion cover for improved air circulation

Patient weights

aks variosit 8, 20-80 kg

aks variosit 10, 70-130 kg

Decubitus prophylaxis and therapy support up to and including Grade IV (acc. to EPUAP)

Order numbers and dimensions; see page 81 ff.

aks therasit 8 aks therasit 10

Innovative foam seat cushions with a three-layer structure

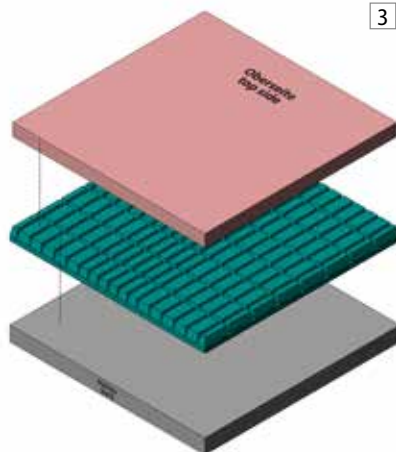


1

UP TO
GRADE IV
EPUAP



2



3

The three-layer foam seat cushions provide good pressure relief with a large selection of seat cushion dimensions. The seat cushions are suitable for decubitus prophylaxis as well as for therapy support up to and including Grade IV according to EPUAP.

The advantages of the aks therasit 8 and aks therasit 10 seat cushions:

- The innovative three-layered structure with complex recesses in the middle layer provides good pressure relief and shear force reduction. (Picture 3)
- The recesses also ensure optimum microclimate regulation in the seat cushion.
- The requisite stability for safe sitting in the wheelchair is provided by the firm lower foam layer.
- The two seat cushions are available in many different sizes and in two heights (8 cm/10 cm).
- A wide range of weights is also covered. People weighing between 20 and 80 kg can use the aks therasit 8 seat cushion. The aks therasit 10 seat cushion can be used for the entire weight range of between 20 and 140 kg.
- The water-impermeable inkoair® seat cushion cover offers optimum protection for the seat cushion, e.g. for persons with incontinence. (Picture 1)

Option

- aks 3D air seat cushion cover available for improving the air circulation. (Picture 2)

Patient weights

aks therasit 8, 20-80 kg

aks therasit 10, 20-140 kg

Decubitus prophylaxis and therapy support
up to and including grade IV (according to EPUAP)

Order numbers and dimensions; see page 82 f.

Technical Data Seat cushions

Product	Height	Dimensions (W x D)	Seat cushion cover	Substructure	Patient weight	Decubitus grade according to EPUAP	Order No.
aks maxisit	9.0 cm	42 x 42 cm	inkoair®		40-120 kg	Prophylaxis	04050
aks multisit	10.0 cm	42 x 42 cm		PU foam trough	40-90 kg	Prophylaxis	04350
aks gelsit	2.5 cm	40 x 40 cm			40-100 kg	Grade I	04150
aks gelsit	2.5 cm	42 x 45 cm			40-100 kg	Grade I	04151
aks viscosit M	8.0 cm	40 x 40 cm	aks 3D air	Cold foam	20-50 kg	Grade II	40200
aks viscosit M	8.0 cm	40 x 45 cm		Cold foam	20-50 kg	Grade II	40201
aks viscosit M	8.0 cm	45 x 40 cm		Cold foam	20-50 kg	Grade II	40202
aks viscosit M	8.0 cm	45 x 45 cm		Cold foam	20-50 kg	Grade II	40203
aks viscosit L	8.0 cm	40 x 40 cm		PU foam	50-100 kg	Grade II	40204
aks viscosit L	8.0 cm	40 x 45 cm		PU foam	50-100 kg	Grade II	40205
aks viscosit L	8.0 cm	45 x 40 cm		PU foam	50-100 kg	Grade II	40206
aks viscosit L	8.0 cm	45 x 45 cm		PU foam	50-100 kg	Grade II	40207
aks viscosit L	8.0 cm	50 x 40 cm		PU foam	50-100 kg	Grade II	40208
aks viscosit L	8.0 cm	50 x 45 cm		PU foam	50-100 kg	Grade II	40209
aks viscosit L	8.0 cm	50 x 50 cm		PU foam	50-100 kg	Grade II	40210
aks viscosit XL	10.0 cm	50 x 40 cm		PU foam	80-160 kg	Grade II	40211
aks viscosit XL	10.0 cm	50 x 45 cm		PU foam	80-160 kg	Grade II	40212
aks viscosit XL	10.0 cm	50 x 50 cm		PU foam	80-160 kg	Grade II	40213
aks viscosit XL	10.0 cm	55 x 40 cm		PU foam	80-160 kg	Grade II	40214
aks viscosit XL	10.0 cm	55 x 45 cm		PU foam	80-160 kg	Grade II	40215
aks viscosit XL	10.0 cm	55 x 50 cm		PU foam	80-160 kg	Grade II	40216
aks variosit 8	8.0 cm	35 x 35 cm	inkoair®		20-80 kg	Grade IV	40340
	8.0 cm	35 x 40 cm				Grade IV	40341
	8.0 cm	40 x 40 cm				Grade IV	40300
	8.0 cm	40 x 45 cm				Grade IV	40301
	8.0 cm	45 x 45 cm				Grade IV	40302
	8.0 cm	50 x 40 cm				Grade IV	40303
	8.0 cm	50 x 45 cm				Grade IV	40304
	8.0 cm	35 x 35 cm	aks 3D air			Grade IV	40360
	8.0 cm	35 x 40 cm				Grade IV	40361
	8.0 cm	40 x 40 cm				Grade IV	40320
	8.0 cm	40 x 45 cm				Grade IV	40321
	8.0 cm	45 x 45 cm				Grade IV	40322
	8.0 cm	50 x 40 cm				Grade IV	40323
	8.0 cm	50 x 45 cm				Grade IV	40324
aks variosit 10	10.0 cm	35 x 35 cm	inkoair®		70-130 kg	Grade IV	40314
	10.0 cm	35 x 40 cm				Grade IV	40315
	10.0 cm	40 x 40 cm				Grade IV	40311
	10.0 cm	40 x 45 cm				Grade IV	40312
	10.0 cm	45 x 45 cm				Grade IV	40313
	10.0 cm	50 x 40 cm				Grade IV	40305
	10.0 cm	50 x 45 cm				Grade IV	40306
	10.0 cm	50 x 50 cm				Grade IV	40307
	10.0 cm	55 x 40 cm				Grade IV	40308
	10.0 cm	55 x 45 cm				Grade IV	40309
	10.0 cm	55 x 50 cm				Grade IV	40310
	10.0 cm	35 x 35 cm	aks 3D air			Grade IV	40334
	10.0 cm	35 x 40 cm				Grade IV	40335
	10.0 cm	40 x 40 cm				Grade IV	40331
	10.0 cm	40 x 45 cm				Grade IV	40332
	10.0 cm	45 x 45 cm				Grade IV	40333
	10.0 cm	50 x 40 cm				Grade IV	40325
	10.0 cm	50 x 45 cm				Grade IV	40326
	10.0 cm	50 x 50 cm				Grade IV	40327
	10.0 cm	55 x 40 cm				Grade IV	40328
	10.0 cm	55 x 45 cm				Grade IV	40329
	10.0 cm	55 x 50 cm				Grade IV	40330

Product	Height	Dimensions (W x D)	Seat cushion cover	Substructure	Patient weight	Decubitus grade according to EPUAP	Order No.
aks therasit 8	8.0 cm	35 x 35 cm	inkoair®		20-80 kg	Grade IV	40440
	8.0 cm	35 x 40 cm				Grade IV	40441
	8.0 cm	40 x 40 cm				Grade IV	40400
	8.0 cm	40 x 45 cm				Grade IV	40401
	8.0 cm	45 x 45 cm				Grade IV	40402
	8.0 cm	50 x 40 cm				Grade IV	40403
	8.0 cm	50 x 45 cm				Grade IV	40404
	8.0 cm	35 x 35 cm	aks 3D air			Grade IV	40460
	8.0 cm	35 x 40 cm				Grade IV	40461
	8.0 cm	40 x 40 cm				Grade IV	40420
	8.0 cm	40 x 45 cm				Grade IV	40421
	8.0 cm	45 x 45 cm				Grade IV	40422
	8.0 cm	50 x 40 cm				Grade IV	40423
	8.0 cm	50 x 45 cm				Grade IV	40424
aks therasit 10	10.0 cm	35 x 35 cm	inkoair®		20-140 kg	Grade IV	40414
	10.0 cm	35 x 40 cm				Grade IV	40415
	10.0 cm	40 x 40 cm				Grade IV	40411
	10.0 cm	40 x 45 cm				Grade IV	40412
	10.0 cm	45 x 45 cm				Grade IV	40413
	10.0 cm	50 x 40 cm				Grade IV	40405
	10.0 cm	50 x 45 cm				Grade IV	40406
	10.0 cm	50 x 50 cm				Grade IV	40407
	10.0 cm	55 x 40 cm	aks 3D air			Grade IV	40408
	10.0 cm	55 x 45 cm				Grade IV	40409
	10.0 cm	55 x 50 cm				Grade IV	40410
	10.0 cm	35 x 35 cm				Grade IV	40434
	10.0 cm	35 x 40 cm				Grade IV	40435
	10.0 cm	40 x 40 cm				Grade IV	40431
	10.0 cm	40 x 45 cm				Grade IV	40432
	10.0 cm	45 x 45 cm				Grade IV	40433
	10.0 cm	50 x 40 cm				Grade IV	40425
	10.0 cm	50 x 45 cm				Grade IV	40426
	10.0 cm	50 x 50 cm				Grade IV	40427
	10.0 cm	55 x 40 cm				Grade IV	40428
	10.0 cm	55 x 45 cm				Grade IV	40429
	10.0 cm	55 x 50 cm				Grade IV	40430

inkoair® seat cushion replacement covers	Dimensions (W x D x H)	Order No.
for maxisit, multisit	42 x 42 x 9/10 cm	40150
for aks gelsit	40 x 40 x 2.5 cm	41160
for aks gelsit	42 x 45 x 2.5 cm	41161

inkoair® seat cushion replacement covers for viscosit M, L, XL, variosit 8/10, therasit 8/10	Dimensions (W x D x H)	Order No.
	35 x 35 x 8 cm	49229
	35 x 40 x 8 cm	49230
	40 x 40 x 8 cm	49213
	40 x 45 x 8 cm	49214
	45 x 40 x 8 cm	49215
	45 x 45 x 8 cm	49216
	50 x 40 x 8 cm	49217
	50 x 45 x 8 cm	49218
	35 x 35 x 10 cm	49235
	35 x 40 x 10 cm	49236
	40 x 40 x 10 cm	49226
	40 x 45 x 10 cm	49227
	45 x 45 x 10 cm	49228
	50 x 40 x 10 cm	49220
	50 x 45 x 10 cm	49221
	50 x 50 x 10 cm	49222
	55 x 40 x 10 cm	49223
	55 x 45 x 10 cm	49224
	55 x 50 x 10 cm	49225

3D air seat cushion replacement covers for viscosit M, L, XL, variosit 8/10, therasit 8/10	Dimensions (W x D x H)	Order No.
	35 x 35 x 8 cm	49231
	35 x 40 x 8 cm	49232
	40 x 40 x 8 cm	49200
	40 x 45 x 8 cm	49201
	45 x 40 x 8 cm	49202
	45 x 45 x 8 cm	49203
	50 x 40 x 8 cm	49204
	50 x 45 x 8 cm	49205
	50 x 50 x 8 cm	49206
	35 x 35 x 10 cm	49233
	35 x 40 x 10 cm	49234
	40 x 40 x 10 cm	49250
	40 x 45 x 10 cm	49251
	45 x 45 x 10 cm	49252
	50 x 40 x 10 cm	49207
	50 x 45 x 10 cm	49208
	50 x 50 x 10 cm	49209
	55 x 40 x 10 cm	49210
	55 x 45 x 10 cm	49211
	55 x 50 x 10 cm	49212



aks bed concepts for the day-to-day nursing routine – for homecare and in-patient applications



Simple knee bend
(aks L4)



Knee bend with
foot elevation



Foot end
lowering



Low
entry bed

aks care beds

Standard care beds with switch mode power supply SMPS 29 V

Switch mode power supplies are state of the art for the power supply of drives on care beds. SMPS are electronically controlled switching power supplies which are distinguished by many positive characteristics.

For example, the following can be mentioned here:

- The low weight
- The automatic overload protection
- The voltage stability
- The variable input voltage (e.g. 100-240 V)

The use of an SMPS means benefits for the user:

- Very low standby power consumption
- No transformer humming
- Temporary shutdown in the event of overheating
- SMPS also save resources, as less copper and other metals are needed for production
- Better energy efficiency, thus lower power consumption

For the health care professional, this means:

- Constant adjustment speed for the up-and-down movement of the care bed
- Lower electricity consumption due to intelligent power supply SMPS 29 V
- Green LED as operating state indicator
- Watertight SMPS housing = IPX 6

Made in
Germany

aks L4

The variable lightweight bed



Advantages of the aks L4:

- High variability due to four-section lying area (metal mesh or wood sprung slats)
- Patient weight up to 150 kg and a safe working load of up to 185 kg
- Back part and thigh part are electrically adjustable
- Stable standing due to 4 castors with individual wheel locking
- Patented side bars (with torsion protection) integrated on both sides – can also be attached separately after assembly
- Easy handling: light weight, simple assembly and dismantling by one person, head and foot parts are particularly light but nonetheless stable
- Hand control with large buttons, integrated lock function and check of the first failure safety is possible
- SMPS 29 V: The switch mode power supply provides safety due to overload protection and voltage stability with variable input voltage
- Easy transport and storage using the transport and storage aid
- Including uplifter and grab handle
- 3-year warranty on electrical components

- Side bar padding
- Bed and mattress extension for accommodation of larger patients
- Infusion holder
- Foot-end lowering (FEL)
- Unpackaged delivery on transport aid

Order numbers

aks L4 with metal mesh lying area
Without FEL – 3544110
With FEL – 3544114

aks L4 with wood sprung slats lying area
Without FEL – 3544111
With FEL – 3544115

Options and accessories

- Side bar extension, e.g. for use with high cell mattresses over 15 or 17 cm, depending on the type of lying area

aks L5

aks lightweight bed with maximum convenience



This is how the knee bend works

Advantages of the aks L5:

- Maximum variability due to four-section lying area
- Metal mesh or wood sprung slats
- Patient weight up to 150 kg and a safe working load of up to 185 kg
- Maximum functionality: Height, head and foot parts electrically adjustable; the latter with knee bend is electrically adjustable from the bed by hand control without nursing assistance
- Side bars with torsion protection integrated on both sides; can also be attached separately after assembly
- Easy assembly and dismantling by one person; head and foot parts are particularly light
- SMPS 29 V: The switch mode power supply provides safety due to overload protection and voltage stability with variable input voltage
Hand control with large buttons, integrated lock function and check of the first failure safety is possible
- Transport and storage aid
- Including uplifter and grab handle
- 3-year warranty on electrical components

Options and accessories

- Side bar height extender, e.g. for use with high cell mattresses over 15 or 17 cm, depending on the type of lying area
- Side bar padding

- Bed and mattress extension of 20 cm for the accommodation of larger patients
- Infusion holder
- Foot-end lowering (FEL)
- Unpackaged delivery on transport aid

Order numbers

aks L5 with metal mesh lying area
Without FEL – 3544140
With FEL – 3544144

aks L5 with wood sprung slats lying area
Without FEL – 3544141
With FEL – 3544145

aks S4

The comfortable care bed
for home care



Advantages of the aks S4:

- High functionality: individual positioning, four-section lying area with electrically adjustable height, head and foot support; foot part with knee bend is electrically adjustable from the bed by hand control without nursing assistance
- Protection against falling out from stable side bars integrated on both sides
- Stable standing of the compact scissor bed with four lockable castors
- Lying area optionally with wood sprung slats or metal mesh
- SMPS 29 V: The switch mode power supply provides safety due to overload protection and voltage stability with variable input voltage
- Hand control with large buttons, lock function and check of the first failure safety is possible
- Including uplifter and grab handle
- 3-year warranty on electrical components
- Up to a patient weight of 135 kg and a safe working load of 170 kg

Options and accessories

- Side bar height extender, e.g. for use with large-cell mattresses
- Bed extension for accommodation of larger patients
- Side bar padding
- Infusion holder

Order numbers

aks S4 with metal mesh lying area – 3524030

aks S4 with wood sprung slats lying area – 3524019

aks D4 low entry

The low entry bed for the prevention of falls



Due to illnesses such as dementia or Alzheimer's, more and more people require protection and security from falling out of bed. The low entry height of only 22 cm contributes significantly to fall prevention, without having to subject the patient to measures that restrict his or her freedom. Likewise, the low entry bed offers smaller people independent mobility on a daily basis.

The advantages of the aks D4 low entry:

- Low positioning of persons, with an entry/exit height from as low as 22 cm
- The low height provides the patient with safety and a sense of well-being
- Suitable for patients who are afraid of falling out of the care bed (fall prevention)
- As an aid to mobility for small persons
- Equipped with the features of an aks lightweight bed
- Maximum variability due to a four-section lying area made of metal mesh or wood sprung slats
- Maximum functionality: Height, head and foot parts electrically adjustable; the latter with knee bend is electrically adjustable from the bed by hand control without nursing assistance
- Twist-proof side railings integrated on both sides, easy assembly and dismantling by one person, particularly light head and foot sections
- SMPS 29 V: the switch mode power supply provides maximum safety
- Hand control with integrated lock function

- Max. patient weight 150 kg, safe working load of 185 kg
- Transport and storage aid for unpackaged delivery
- Including uplifter and grab handle
- 3-year warranty on electrical components
- Castors with individual wheel locking

Options and accessories

- Side bar height extender, e.g. for use with high cell mattresses over 14 cm or 16 cm, depending on the type of lying area
- Side bar padding
- Bed and mattress extension of 20 cm for the accommodation of larger patients
- Infusion holder
- Foot-end lowering (FEL)
- Unpackaged delivery on transport aid

Order numbers

aks D4 low entry with metal mesh lying area
Without FEL – 3554102
With FEL – 3554100

aks D4 low entry with wood sprung slats lying area
Without FEL – 3554103
With FEL – 3554101

aks B4 compact

Innovative lifting care bed
frame with solid arguments



Bed frame, inside: 200 cm

Arrangement for the scissor lift lower frame

The lifting care bed frame has been developed for use in the existing bed frame at home. The practical alternative to a conventional care bed. The home environment is maintained, comfort increases and daily care is made noticeably easier.

Advantages of the aks B4 compact lifting care bed frame:

- Can be easily integrated in the existing bed at home
- Increased lying comfort due to four-section lying area with electrically adjustable height, head and foot support; foot part with knee bend is electrically adjustable by the patient by hand control without nursing assistance
- Low entry height of between roughly 30 and 80 cm and large height adjustment range for optimum adjustment to the working height to prevent back strain for the caregiver
- Stable metal frame with sprung slats
- Stable standing with only 116 cm length and 81 cm width of the scissor lift lower frame, variable fastening with the bed conversion with two holes for screws resulting in tipping stability, manufactured according to EN 60601-2-52:2010
- Easy assembly and transport: Lower frame can be removed without tools; lying area can be dismantled into two parts
- Flexibility for the uplifter attachment due to two mountings

- Up to a patient weight of 150 kg and a safe working load of 185 kg
- Size 90/100 x 190/200 cm can be adjusted via mattress holder and extension set (optional)
- Hand control with large buttons, lock function and check of the first failure safety is possible
- SMPS 29 V: The switch mode power supply provides safety due to overload protection and voltage stability with variable input voltage
- Delivery on transport and storage aid
- 3-year warranty on electrical components

Options and accessories

- Lying area width extension to 100 cm
- Elevated or simple side bar
- Easy assembly by one person using the assembly tool
- Uplifter with grab handle and strap
- Infusion holder
- Elevation set 14 cm for improved hoist space
- Plug-in feet for increased stability
- Unpackaged delivery on transport aid

Order number

aks B4 compact – 3534112

notto

The useful bedside cabinet
at the care bed



akspura

A mobile bedside cabinet at the care bed provides the necessary support and assistance for care and daily life. It is used for placing or storing personal and nursing items. Always in reach of the bed, both patient and caregiver can easily and conveniently use the objects. The bedside cabinet completes the inventory of any care room.

Advantages of the notto:

- Stable, practical aid for depositing and storage
- With integrated pull-out bed table for comfortable consumption of meals, reading, games etc.
- With generous storage space
- Flexible handling and positioning
- Can be used from two sides, pull-out drawer on both sides, freely accessible middle compartment and door on both sides in the lower area, with removable shelves
- Mobile, with four castors and two lockable castors for secure positioning
- Easy to maintain, plastic-coated beech decor panel
- Rounded storage surface and pull-out bed table

Technical Data

External dimensions (W/H/D) ca. 60 x 87 x 49 cm

Pull-out bed table approx. 35 x 53 cm

Length with pull-out 114 cm

Weight 35.1 kg

Beech decor

Order number

notto – 4010000

**notto is sold using the puracare brand of
aks pura GmbH, Germany.**

purzel

The practical fall protection mat



aks pura

Bedside mat to intercept falling out of the bed.
The wedge shape on both sides protects against rolling off the mat after any fall out of the bed.

Advantages of the purzel:

- Positioning in front of the bed
- High-quality PU foam
- Can be folded
- Can be stowed to save space
- inkoair® cover, impermeable to liquids, with non-slip underside
- inkoair® cover with zip; can be removed and washable at 60 °C
- Transport grips on the underside

Technical Data

Size (W/L/H) 100 x 190 x 5-15 cm
Weight approx. 10 kg
PU foam with Certi-PUR® certification,
Density 56 kg/m³

Order number

purzel including cover – 4010020
inkoair® replacement cover – 4010021

purzel is sold using the puracare brand of
aks pura GmbH, Germany.

Details & accessories Care beds



This is how the aks
knee bend works:
www.youtube.de



The foot part with knee bend, for raising the lower legs, is adjustable via the manual switch of the mechanical grid's electric drive and is integrated as standard for aks care beds, except for aks L4.



Side bar height extender for wood side bar
with 90, 100 and 110 mm bars
Order number
aks L4/L5, aks S4, aks D4 low entry – 39273



Lying area with wood sprung slats for
aks L4/L5, aks S4, aks B4 compact,
aks D4 low entry



Mattress extension of 10 cm, seating and
exit aid for alternating pressure mattresses
Order number – 21003



Bed extension 20 cm,
Set consisting of 4 side grille bars and 1
lying area extension for aks L4/L5, aks S4
and aks D4 low entry
Order numbers see price list
(image shows mattress extension piece)



Side bar padding for wood side bar on one
side of the bed
Order number
aks L4/L5, aks S4, aks D4 low entry – 77551



FEL retrofit kit for aks L4/L5
from SN 2903619 and 29400000
Order number – 39476

FEL retrofit kit for aks D4 low entry
Order number – 39470



aks infusion holder optional for aks uplifter
consisting of a round tube, as for aks L4/L5,
aks B4 compact, aks S4 and aks D4 low entry
Order number
aks infusion holder – 39292



Side grille with special holder
Order number pebble grey aks B4 compact – 39239
 light grey aks B4, XL, XXL – 39249



Side bar height extender
Order number pebble grey aks B4 compact – 39278
 light grey aks B4, XL, XXL – 39279



Elevation set 14 cm
 for better placement underneath with a mobile patient hoist
Order number
 aks B4 compact – 79939



Plug-in feet set to increase stability for
 aks B4 compact. To be used if the bed frame cannot be attached to
 the bed frame or if it is too light.
Order number – 39652



Assembly tool
Order number aks B4 compact and aks S4 – 39039



Lying area width extension set for widening to 100 cm
Order number aks B4 compact – 39010



Hand control with large buttons, lock function and check of the first failure safety is possible

Order number

Hand control for aks L4, aks L5, aks B4 compact, aks S4 and aks D4 low entry – 39407

Hand control (as shown in right-hand image) for FEL aks L4/-L5 and aks D4 low entry with FEL – 39470



Modern switch mode power supply SMPS 29 V for aks care beds, with automatic overload protection, voltage stability and variable input voltage

3-year warranty on electrical components

aks L4, aks L5, aks B4 compact, aks S4, D4 low entry

Our electrical components comply with the EU Directive 2011/65/EC (RoHS II) for the restriction of hazardous substances in electrical and electronic equipment.

Order number

SMPS power supply – 39400



Adapter for leakage current measurement, e.g. in your workshop and not locally at the care bed

Order number

Adapter for leakage current measurement – 39283



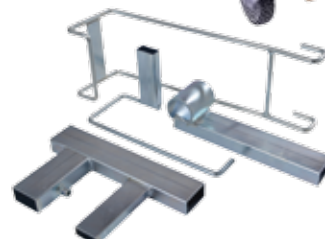
Transport and storage aid for storage and easy transport of aks lifting care bed frames

Order number

aks B4 compact – 39277



Images display transport aid for aks L4/L5



Transport and storage aid for storage and easy transport of aks homecare beds

Order number

aks L4/L5 – 39248, aks D4 low entry – 39647, (not shown)

Technical Data Care beds

Care beds and lifting care bed frames

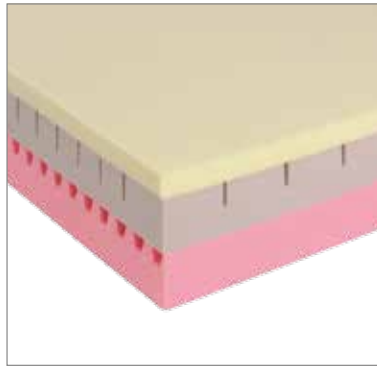
	aks L4/aks L5	aks S4	aks D4 low entry	aks B4 compact
Lying area (W x L in cm)	90 x 200	90 x 200	90 x 200	85 x 186 for mattress sizes 90/100 x 190/200
Dimensions in cm	104.5 x 219	108 x 206	109 x 215	85 x 186
Height adjustment in cm, without mattress	40 to 80	40 to 90	22 to 62	approx. 30 to 80
safe working load	185 kg	170 kg	185 kg	185 kg
max. patient weight	150 kg	135 kg	150 kg	150 kg
Separate weights	≤ 20 kg	≤ 33.5 kg (scissor lift)	< 20 kg	≤ 31 kg (scissor lift)
Input voltage	variable (100-240 V)	variable (100-240 V)	variable (100-240 V)	variable (100-240 V)
Power consumption	90 W	90 W	90 W	90 W
Protection class	II	II	II	II
User part	Type B	Type B	Type B	Type B
Protection type SMPS case	IP X6	IP X6	IP X6	IP X6
Protection type motors	IP X4	IP X4	IP X4	IP X4
manufactured according to	DIN EN 60601- 2-52:2010	DIN EN 60601- 2-52:2010	DIN EN 60601- 2-52:2010	DIN EN 60601- 2-52:2010

Order numbers

	Order No.	Order No.
Standard care bed	aks L4	aks L5
Wood sprung slats lying area, wood side bars, without FEL	3544111	3544141
Wood sprung slats lying area, wood side bars, with FEL	3544115	3544145
Metal mesh lying area, wood side bars, without FEL	3544110	3544140
Metal mesh lying area, wood side bars, with FEL	3544114	3544144
Bed extension 20 cm (set) with 4 side grille bars 110 mm and lying area extension		
with metal mesh	39244	39244
with wood sprung slats	39245	39245
1 pair of side bar height extenders for wooden side grille with 90, 100 and 110 mm high bars, suitable for aks L4, L5, S4, D4	39273	39273
Side bar padding, on one side	77551	77551
Transport and storage aid	39248	39248
FEL retrofit kit aks L4/L5	39476	39476
Care bed for care facilities	aks S4	
Height & foot part electric, foot part with knee bend electrically adjustable, 4-section lying area with wood sprung slats	3524019	
Height & foot part electric, foot part with knee bend electrically adjustable, 4-section lying area with metal mesh	3524030	
Bed extension 20 cm (set) with 4 side grille bars 110 mm and lying area extension aks S4 from serial number 2900178		
with metal lying area	39275	
with wood sprung slats	39291	
Side bar height extender; see aks L4/L5	39273	
Side bar padding, on one side	77551	
Low entry bed	aks D4 low entry	
Wood sprung slats lying area, wood side bars, without FEL	3554103	
Wood sprung slats lying area, wood side bars, with FEL	3554101	
Metal mesh lying area, wood side bars, without FEL	3554102	
Metal mesh lying area, wood side bars, with FEL	3554100	
Bed extension by 20 cm, incl. four side grille bars of 100 mm		
with metal mesh	39197	
with wood sprung slats	39198	
Side bar height extender; see aks L4/L5	39273	
Side bar padding, on one side	77551	
Transport and storage aid	39647	
FEL retrofit kit	39470	
Lifting care bed frames	aks B4 compact	
Height & foot part electric, foot part with knee bend electrically adjustable, 4-section lying area with wood sprung slats	3534112	
Side bar with holder from serial number 2901307, height from lying area 356 mm	39239	
Side bar height extender with holder from serial number 2901307	39278	
Lying area widening set	39010	
Elevation set 14 cm	79939	
Assembly tool for aks B4 compact	39039	
Plug-in feet set	39652	
Transport and storage aid	39277	
Options/accessories		
Uplifter with grab handle	77020	
Infusion holder for round tube	39292	
Standard mattress RG 35 with cotton cover 90 x 200 x 12 cm (not shown)	77050	
Mattress extension part 90 x 20 x 12 cm	77070	



Appropriate aids for bariatric care



aks range for bariatric care

The percentage of the heavy weight population has stagnated for a period of more than ten years. In contrast, the number of adipose persons increased. This development means consequent adaptation to the heavy weight demand for the medical appliances market. Appropriate aids are needed. aks recommends a number of products in the bariatric range for the care and mobilisation; the large sizes and "strong" solutions can be found here.

Useful information

Definition and classification of overweight and adiposity

Adiposity (Latin adeps = fat) "is defined as an increase of the body fat beyond the normal amount. The calculation basis for the weight classification is the Body Mass Index (BMI). The BMI is the quotient of the weight and the square of the body height (kg/m^2). Overweight is defined as $\text{BMI} \geq 25 \text{ kg}/\text{m}^2$, adiposity as $\text{BMI} \geq 30 \text{ kg}/\text{m}^2$ (WHO, 2000 EK IV)."

Weight classification for adults based on the BMI		
Category	BMI (kg/m^2)	
Severely underweight	< 16	Underweight
Moderately underweight	16-17	
Slightly underweight	17-18.5	
Normal weight	18.5-25	Normal weight
Pre-adiposity	25-30	Overweight
Adiposity Grade I	30-35	Adiposity
Adiposity Grade II	35-40	
Adiposity Grade III	≥ 40	

(according to WHO, 2008)

Not only the weight of the body fat, but fat distribution also plays an important role. The waist circumference measurement applies in this regard. With a waist circumference $\geq 88 \text{ cm}$ for women and $\geq 102 \text{ cm}$ for men, abdominal adiposity is present (WHO, 2000 EK IV; EASO, 2002 EK IV). If a $\text{BMI} \geq 25 \text{ kg}/\text{m}^2$ has been determined, the waist circumference should also be measured.

The abdominal fat and the fat on and in the organs (visceral) are most problematic. As the BMI does not take account of the different fat distribution, the overweight is also assessed using the ratio of waist (abdomen) circumference to hip circumference (HBU, WHR). Adiposity is present if this ratio is greater than 0.85 for women and greater than one for men.

(see also Deutsche Gesellschaft für Sportmedizin und Prävention e.V.: S1 Guideline for preventive medical checkup in sport, page 26, 2007)

Causes of overweight and adiposity*

Biological, psychosocial and environmental risk factors can cause overweight:

- Familial disposition, genetic causes
- Lifestyle (e.g. lack of exercise, malnutrition)
- Constant availability of food
- Sleep deprivation
- Stress
- Depressive disorders
- Low social status
- Eating disorders (e.g. binge-eating, night-eating)
- Endocrine illnesses (e.g. hypothyroidism, Cushing syndrome)
- Medicines (e.g. anti-depressants, neuroleptics, mood stabilisers, anticonvulsants,
- Anti-diabetics, glucocorticoids, some contraceptives, beta blockers
- Other causes (e.g. immobilisation, pregnancy, quitting smoking)

* from: Interdisziplinäre Leitlinie der Qualität S3 zur "Prävention und Therapie der Adipositas", © 2014 DAG e.V.

Consequences of illness

"Overweight and adiposity are contributory causes (risk factor) for many complaints and can promote the development of chronic illnesses such as:

- High blood pressure (hypertension),
- Coronary heart disease, heart failure,
- Type 2 diabetes,
- Lipid metabolism disorders,
- Stroke,
- Sleep apnoea syndrome,
- Increase of the uric acid level (hyperuricemia) and gout,
- Gall bladder diseases,
- Cancers,
- Orthopaedic complications,
- Psychosocial complications.

Considerable costs for the health and social system are caused by the secondary diseases. The potentials for prevention and savings are correspondingly high. There are many indications that overweight acquired in childhood can result in weight problems as an adult. There is already a correlation at a young age between adiposity and increased cardiovascular risk factors."

http://www.rki.de/DE/Content/Gesundheitsmonitoring/Gesundheitsberichterstattung/GesundAZ/Content/A/Adipositas/Inhalt/adipositas_Inhalt.html



goliath®

For easy solution of difficult tasks

aks designed the stable goliath® patient hoist for body weight up to 250 kg.

The advantages of the goliath®:

- Robust and safe construction with insertable stand mast and high-quality double castors
- Incl. comfort spreader bar with two opposing hooks for broader configured seating for particularly corpulent persons
- Electric spreading
- Max. load capacity 250 kg
- Mechanical emergency lowering, emergency stop button in the event of electrical faults, visual and acoustic warning against deep battery discharge at activation of the hand control
- High-quality drive components from LINAK®, with removable battery pack, incl. charger

Accessories

- Special "high load capacity" slings in three sizes
- aks efw 300 hoist scales
- Wall charging station

Order numbers

goliath® – 86031

Comfort spreader bar – 89094

Charger – 89245

Spare battery box – 89248

Battery pack – 17601

Wall charging station without battery pack – 89239

Wall charging station with battery pack – 89256

Spreader bar padding – 89219

Technical Data

See p. 111



goliath®

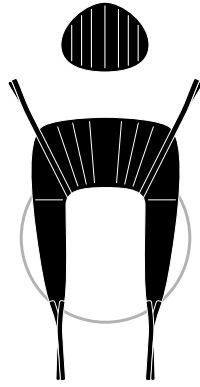
comfort spreader bar

This spreader bar is designed for accommodating goliath® slings, sizes A to C.

Maximum load: 250 kg

Order number

goliath® comfort spreader bar incl. padding – 89094



goliath® sling

The hoist sling for heavyweight persons

The goliath® slings belong to the flexible body support systems whose fabric materials ideally adapt to the body of the patient. The extremely tear-resistant polyester slings provide reinforcement. Shoulder loops can be adjusted in 5 ways and leg loops in 4 ways. The back area and the leg supports provide an additional special feature. They are padded with a so-called pressure-elastic 3D textile. Two fabric layers are kept at a predefined spacing by a layer of padding. A microclimate forms there which has thermoregulating and moisture-regulating effects. This high-quality sling is always used with the goliath® bariatric hoist for the basic care of obese patients up to max. 250 kg body weight.

Technical Data

Standard: DIN EN ISO 10535:2007-04

Maximum load: 250 kg

Material composition:

Loop material: 100% polyester sling;

Outer fabric: 100% polyester;

Padding: 3D material 100% polyester;

Velcro fastening: 100% nylon;

Dimensions: see page 40 ff.

Order numbers

Size A – 89076, size B – 89077, size C – 89078,
head support with Velcro fastening (optional) – 79712



aks efw 300

The practical weighing device for the everyday nursing routine for heavy cases

aks efw 300 digital scales set incl. standard spreader bar for patients up to 250 kg in combination with goliath®. See p. 19 for product description

Order numbers

aks efw 300 – 89158



aks samson

High-cell anti-decubitus alternating pressure system for heavy patients up to 300 kg

aks samson provides correct care of adipose persons at risk of decubitus. The special design and the arrangement of the 20 double cells with a cell height of 25 cm ensure significant pressure relief and thus increased well-being for the heavyweight person in decubitus therapy. Care and static seat function complete the list of product benefits.

The advantages of the aks samson:

- Changeover button from static to alternating pressure operation
- 8-stage pressure setting according to the patient weight
- Cycle time can be set to 10, 15, 20 or 25 minutes
- Visual and audible alarms in the event of pressure loss, power failure and system errors
- Reset button of the audible alarm for low pressure and system errors
- Time-limited care function with automatic changeover to the previously set operating mode and pressure
- Button for activation/deactivation of the seat function
- Automatically activating button lockout
- Simple filter replacement

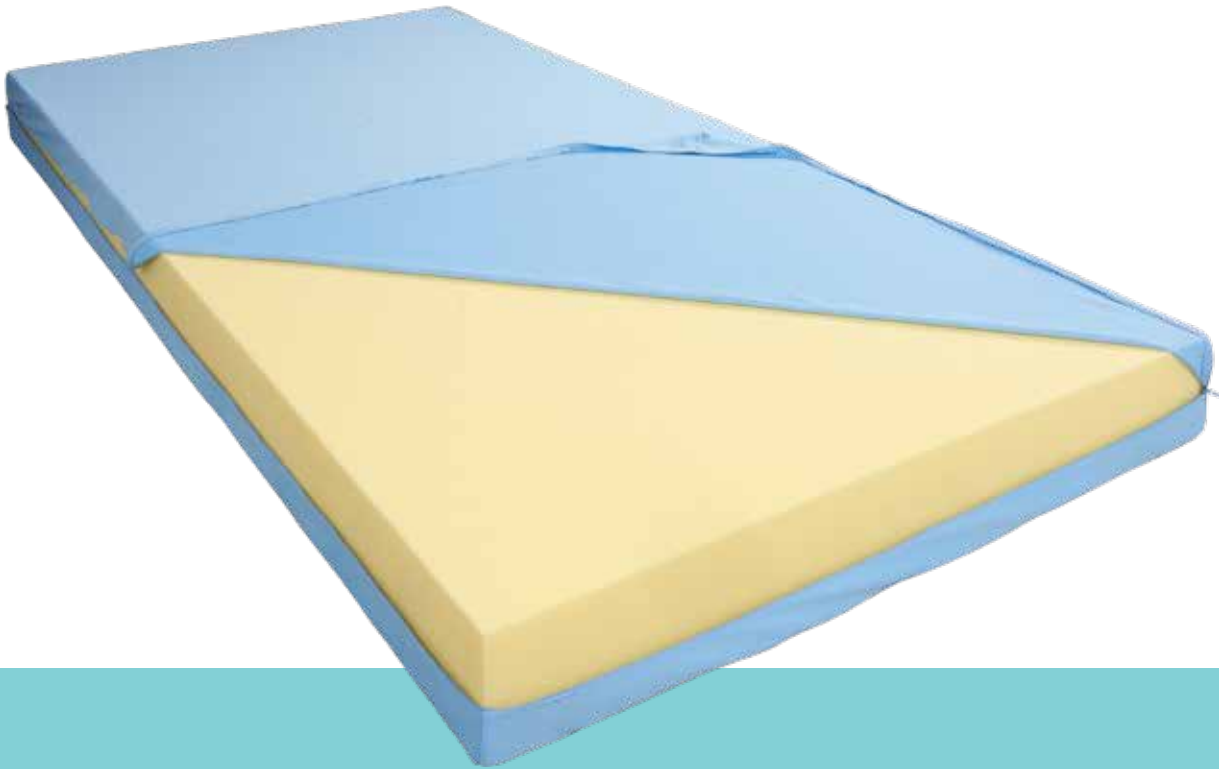
- 20 double cells made of nylon with TPU lamination, three static head cells, 17 cells with alternating pressure in the upper area, complete lower area static
- All cells can be replaced individually
- Cell height approx. 25 cm
- Mattress cover made of polyester fabric with PU coating, flame-retardant, tested according to BS7175 sec 3 crib 5, water-impermeable, fastened to the mattress with all-round zip
- CPR valve for fast mattress ventilation
- Strips on the mattress underside for fastening to the lying area
- Secure snap-in connection of the hoses on the pump unit
- All widths 90, 100, 120, 140 cm also in 200 and 220 cm lengths

Patient weight 30 to 300 kg

Decubitus prophylaxis and therapy support up to and including Grade IV (according to EPUAP)

Order numbers

See table on p. 110



Standard mattress

Foam mattress for L to XXL care beds

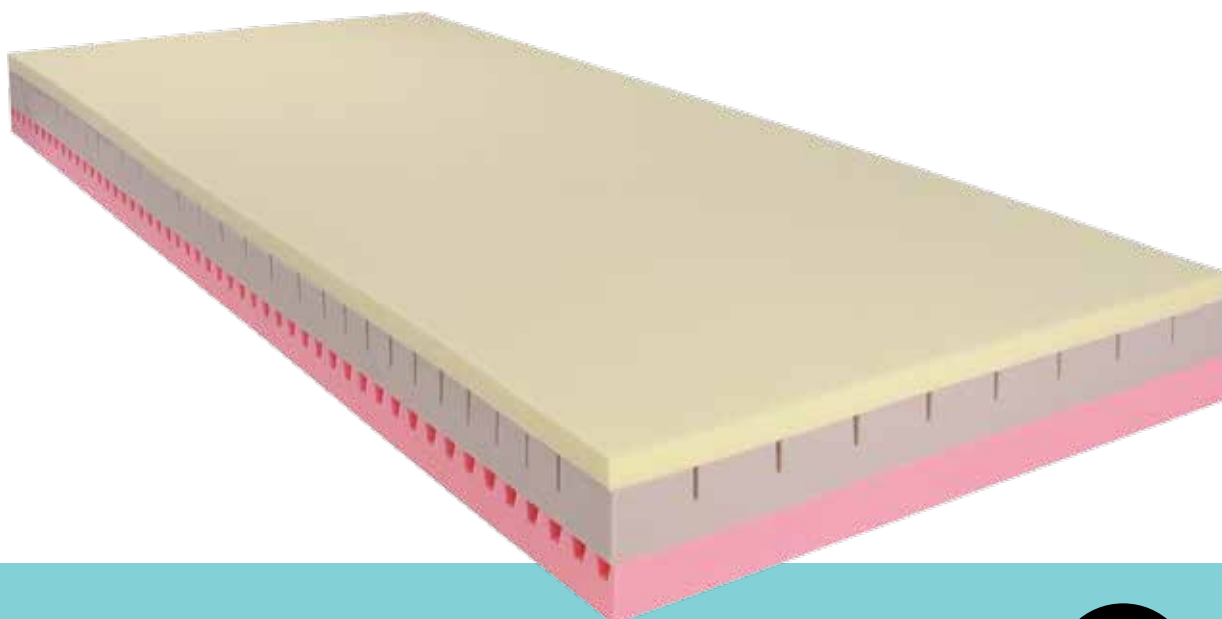
This standard mattresses is explicitly not suitable for decubitus prophylaxis and therapy. They are solely intended for normal use and round off the aks product range for bariatric care.

The advantages of the standard mattress:

- For everyday use
- Many different dimensions
- The mattress can be used without side bar height extender in the corresponding aks care beds (L-XXL)
- For persons with a body weight up to 130, 200 and max. 300 kg

Order numbers

See table on p. 110



**UP TO
GRADE II
EPUAP**

aks HD 85

Anti-decubitus and soft positioning mattresses made of foam for large & heavy patients

As a consistent supplement to the aks care beds for heavy and very heavy patients, these mattresses fulfil the particular requirements which arise from this application area. The foams used have been selected to be perfect for secure positioning.

The advantages of the aks HD 85:

- Selection and design have been adapted to the requirements of varyingly heavy patients
- Mattresses can be used without side bar height extender in the corresponding aks care beds (L, XL, XXL)
- With inkoair® mattress cover
- Three-layer structure for optimum pressure relief of the patient
- Top layer: high tech visco foam high density, low compression hardness
- Middle layer made of high-quality cold foam
- Bottom layer as base made of PU foam
- Many standard and special dimensions available

Patient weight

aks HD 85 L 40-150 kg

aks HD 85 XL 40-200 kg

aks HD 85 XXL 40-300 kg

Decubitus prophylaxis and therapy support up to and including Grade II (according to EPUAP)

Order numbers

See p. 110

Care beds

aks SB L, SB XL, SB XXL

The correct bed for every stature

aks developed the bed series SB L to XXL for heavy and large patients. The SB L type is intended for persons up to 150 kg body weight who cannot be supplied with standard beds due to their anatomy.

The SB XL can be used for patients up to a body weight of 200 kg and has higher mirror panels and three side bars. SB XXL rounds off the bariatric range. With the particularly stable double scissor, the heavy duty bed easily accomplishes handling a patient weight up to 300 kg.

Advantages of the care beds from SB L to SB XXL:

- Increased lying comfort due to four-section lying areas, electrically adjustable height and head part
- Maximum functionality and safety: Foot part with knee bend is electrically adjustable from the bed by hand control without nursing assistance
- Protection against falling out: wood side bars integrated on both sides, SB XL and XXL with three bars and particularly high head and foot parts
- Stable construction with powerful single scissor (aks SB L and XL) and 125 mm castor diameter
- High stability for the problem of the care of heavy patients due to in-house developed double scissor with 8 castors, 100 mm diameter for aks SB XXL
- Many different versions in size and max. patient weight
- Mains power cut-off: This safety system electrically disconnects all poles of the bed from the mains power supply when the hand control is not in use
- Hand control with large buttons, lock function and check of the first failure safety is possible
- Including uplifter, from 120 cm lying area width: Square-tube version, and grab handle
- Special colour RAL 7035 – light grey

Order numbers

See table on p. 111



aks SB L



aks SB XL



aks SB XXL

With knee bend
for elevation of
the ankle



Lifting care bed frames

aks B4 L, B4 XL, B4 XXL

The functional strength for the available bed at home

In the usual environment – at home, in one's own bed – the benefits of a care bed can also be used for heavy-weight persons without great expense. The lifting care bed frame is installed in the existing bed and is immediately functional, with all the advantages of a care bed.

The advantages of the lifting care bed frame:

- Increased lying comfort due to four-section lying areas, electrically adjustable height and head part
- Maximum functionality: foot part with knee bend of the lifting care bed frame is electrically adjustable by hand control without nursing assistance – patient-protected!
- Stable construction with powerful single scissor (aks B4 L and B4 XL) and metal lying area
- High stability for the problem of care of heavy patients due to robust metal lying area and our in-house developed double scissor (aks B4 XXL)
- Simply install in the existing bed at home or in the nursing home
- Mains power cut-off: This safety system electrically disconnects all poles of the lifting care bed frame from the mains power supply when the hand control is not in use.
- Hand control with large buttons, lock function and check of the first failure safety is possible
- Special colour RAL 7035 – light grey

Options and accessories

- Strengthened uplifter made of square tube from 120 cm lying area width, with grab handle
- Side grille and increased height side grille with special holder

Order numbers

See table on p. 111

Side grille – 39249

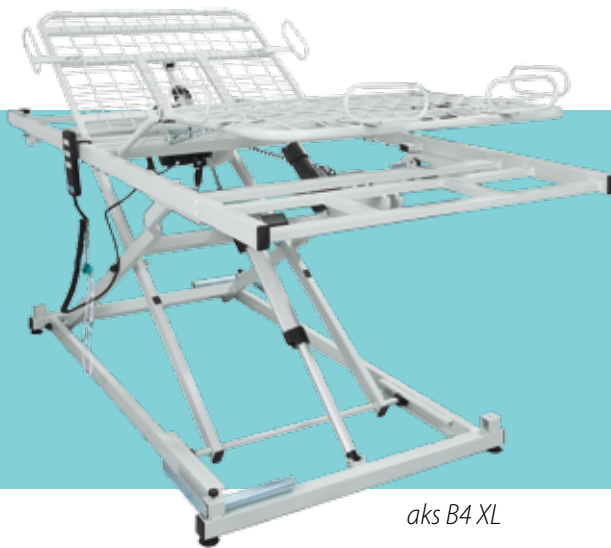
Increased height side grille – 39279

Uplifter with grab handle for lying area width up to 100 cm – 77020

from 120 cm – 39113



aks B4 L



aks B4 XL



aks B4 XXL

With knee bend



Technical Data Bariatric products

Product	Size in cm			Min. Patient weight	Max. patient weight	Cover according to EPUAP	Decubitus grade	Order number
	H	B	L					
Alternating pressure								
aks samson	25	90	200	30 kg	300 kg	Polyester cover, PU coating	Grade IV	27600
	25	100	200	30 kg	300 kg	Polyester cover, PU coating	Grade IV	27605
	25	120	200	30 kg	300 kg	Polyester cover, PU coating	Grade IV	27610
	25	140	200	30 kg	300 kg	Polyester cover, PU coating	Grade IV	27620
	25	90	220	30 kg	300 kg	Polyester cover, PU coating	Grade IV	27601
	25	100	220	30 kg	300 kg	Polyester cover, PU coating	Grade IV	27606
	25	120	220	30 kg	300 kg	Polyester cover, PU coating	Grade IV	27611
	25	140	220	30 kg	300 kg	Polyester cover, PU coating	Grade IV	27621
Foam								
Standard mattress	12	100	200		130 kg	Jersey cover, light blue		39319
for aks SB L	12	100	220		130 kg	Jersey cover, light blue		39335
aks B4 L	12	120	200		130 kg	Jersey cover, light blue		39321
	12	120	220		130 kg	Jersey cover, light blue		39337
	12	140	200		130 kg	Jersey cover, light blue		39323
	12	140	220		130 kg	Jersey cover, light blue		39339
Standard mattress	15	100	200		200 kg	Jersey cover, light blue		39349
for aks SB XL,	15	100	220		200 kg	Jersey cover, light blue		39353
aks B4 XL	15	120	200		200 kg	Jersey cover, light blue		39350
	15	120	220		200 kg	Jersey cover, light blue		39358
	15	140	200		200 kg	Jersey cover, light blue		39351
	15	140	220		200 kg	Jersey cover, light blue		39355
Standard mattress	15	100	200		300 kg	Jersey cover, light blue		39361
for aks SB XXL,	15	100	220		300 kg	Jersey cover, light blue		39365
aks B4 XXL	15	120	200		300 kg	Jersey cover, light blue		39362
	15	120	220		300 kg	Jersey cover, light blue		39366
	15	140	200		300 kg	Jersey cover, light blue		39363
	15	140	220		300 kg	Jersey cover, light blue		39367
aks HD85 L	14	80	190	40 kg	150 kg	inkoair® mattress cover	Grade II	39169
	14	80	200	40 kg	150 kg	inkoair® mattress cover	Grade II	39159
	14	80	220	40 kg	150 kg	inkoair® mattress cover	Grade II	49043
	14	90	190	40 kg	150 kg	inkoair® mattress cover	Grade II	39140
	14	90	200	40 kg	150 kg	inkoair® mattress cover	Grade II	39141
	14	90	220	40 kg	150 kg	inkoair® mattress cover	Grade II	39157
	14	100	180	40 kg	150 kg	inkoair® mattress cover	Grade II	39173
	14	100	190	40 kg	150 kg	inkoair® mattress cover	Grade II	39170
	14	100	200	40 kg	150 kg	inkoair® mattress cover	Grade II	39142
	14	100	220	40 kg	150 kg	inkoair® mattress cover	Grade II	39143
	14	120	200	40 kg	150 kg	inkoair® mattress cover	Grade II	39144
	14	120	220	40 kg	150 kg	inkoair® mattress cover	Grade II	39145
	14	140	190	40 kg	150 kg	inkoair® mattress cover	Grade II	39177
	14	140	200	40 kg	150 kg	inkoair® mattress cover	Grade II	39146
aks HD85 XL	18	80	200	40 kg	200 kg	inkoair® mattress cover	Grade II	39172
	18	90	200	40 kg	200 kg	inkoair® mattress cover	Grade II	39156
	18	90	190	40 kg	200 kg	inkoair® mattress cover	Grade II	39620
	18	90	220	40 kg	200 kg	inkoair® mattress cover	Grade II	39164
	18	100	200	40 kg	200 kg	inkoair® mattress cover	Grade II	39147
	18	100	220	40 kg	200 kg	inkoair® mattress cover	Grade II	39148
	18	120	200	40 kg	200 kg	inkoair® mattress cover	Grade II	39149
	18	120	220	40 kg	200 kg	inkoair® mattress cover	Grade II	39150
	18	120	240	40 kg	200 kg	inkoair® mattress cover	Grade II	39151
	18	140	200	40 kg	200 kg	inkoair® mattress cover	Grade II	39162
	18	140	220	40 kg	200 kg	inkoair® mattress cover	Grade II	39478
aks HD85 XXL	22	90	200	40 kg	300 kg	inkoair® mattress cover	Grade II	39158
	22	100	200	40 kg	300 kg	inkoair® mattress cover	Grade II	39168
	22	120	200	40 kg	300 kg	inkoair® mattress cover	Grade II	39152
	22	120	220	40 kg	300 kg	inkoair® mattress cover	Grade II	39153
	22	140	200	40 kg	300 kg	inkoair® mattress cover	Grade II	39167
	22	140	220	40 kg	300 kg	inkoair® mattress cover	Grade II	39154
	22	140	240	40 kg	300 kg	inkoair® mattress cover	Grade II	39155

Patient hoists

goliath®	
Total weight (without spreader bar and sling)	48 kg
Maximum load	250 kg
Lift speed at full load (time for one lift process)	78 s
Power, lift and lowering processes at full battery capacity	25
Input voltage	24V DC
Protection class	II
Type of protection	IP X4
Basic dimensions in accordance with DIN EN 10535	
Maximum range for 600 mm reference height	660 mm
Maximum range from the chassis	670 mm
Range from the chassis when spreading the leg supports to 700 mm	105 mm
Castor diameter, rear	100 mm
Castor diameter, front	100 mm
Overall height	1310 mm
Turning diameter	1525 mm
Chassis length	1285 mm
Max. attachment height	1970 mm
Min. attachment height	585 mm
Lifting range	1385 mm
Min. outer width	745 mm
Max. inner width	1065 mm
Inner width at maximum range of the attachment point	980 mm
Min. inner width	595 mm
Height of the chassis	130 mm
Clearance of the chassis	50 mm
Grab handle width	452 mm
Minimum distance from the wall to the attachment point at its greatest height (leg supports spread)	565 mm
Minimum distance from the wall to the attachment point at its lowest height (leg supports spread)	470 mm
Minimum distance from the wall to the attachment point at its greatest range (leg supports spread)	265 mm

Care beds and lifting care bed frames

aks SB L to XXL and aks B4 L to XXL

	SB L	B4 L	SB XL	B4 XL	SB XXL	B4 XXL
Max. patient weight	150 kg	150 kg	200 kg	200 kg	300 kg	300 kg
Dimensions/Order No.						
80 x 190 cm		33766				
80 x 200 cm		33767				
90 x 190 cm	32622					
100 x 200 cm	32623	33761	32721	33725		
100 x 220 cm	32624	33762	32722	33726		
120 x 200 cm	32625	33763	32723	33727	32821	33745
120 x 220 cm	32626	33764	32724	33728	32822	33746
120 x 240 cm			32725	33729		
140 x 200 cm	32629	33765				
140 x 220 cm					32823	33747
140 x 240 cm					32824	33748
Height adjustment	SB from 40 to approx. 90 cm (without mattress) B4 from approx. 30 to 80 cm (without mattress)		User part	Type B		
			Type of protection	IP X4		
			Standards used:	DIN EN 60601-2-52:2010		
Input voltage	230 V ~, 50/60 Hz		Warranty	2 years		
Power consumption	150 W, max. 2A					
Protection class	II					



Certified as per DIN EN 9001 in accordance with the recommendations of the RKI (Robert Koch Institut) and the German Federal Institute for Drugs and Medical Products (BfArM) for the preparation of medical products.

aks **pura** Disinfection and reconditioning of

Professional hygiene and service management for medical products by **puratec**

Alternating pressure systems
Foam mattresses
Covers
Seat cushions
Hoist slings



aks hygiene and transport box

Returnable container for safe transport of anti-decubitus systems

aks pura GmbH provides hygiene and transport boxes for shipping and storage in order to achieve a closed hygiene circuit for the reconditioning. Thus high-quality anti-decubitus systems can be re-used.

The advantages of the aks hygiene and transport box:

- Space saving (empty – can be nested; full – can be stacked)
- Clear storage:
green pre-printed forms = cleaned systems
red pre-printed forms = soiled systems
- Smooth, easy-to-clean interior walls
- No packaging material such as cartons, adhesive tapes etc.
- Can be sealed against dust, dirt and germs
- Additional security as can be sealed with lead seals or similar
- Hygienic transport, also in passenger car or small van without separated load area
- Attached brochure pocket for the pre-printed forms
- Cover connected to the box using hinge

Volume approx. 75 litres

External dimensions 71.5 x 46.5 x 35.5 cm (L x W x H)

Order from aks pura GmbH.

aks pura

aks pura GmbH

Biberweg 18, D-53842 Troisdorf

Germany

T +49 (0) 22 41/94 74 700, F +49 (0) 22 41/94 74 788

www.aks-pura.de

aks pura

purawell

Feel-good systems for healthy
and restorative sleep



* You can find out more in our purawell brochure or by visiting our website: www.aks-pura.de/purawell.

pura**fly**



puradorm



Date: 08/2018 – We reserve the right to make technical changes to our products and colour differences. Subject to printing errors in the catalogue.



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