



creating medical mobility

symbio-cart
triples
your
possibilities





The new dimension: symbio-cart



It is with great pride that we introduce our new equipment cart to you. Symbiosis is an impressive natural phenomenon. Our new product idea symbio-cart is produced from combining established strengths and modern development methods.

With this equipment cart, we offer you a universal solution that can be used in the most diverse applications of medical technology. In symbio-cart, the fundamental 3-column concept and the well-known ITD modularity combine to expand the competitive edge of your projects.

symbio-cart triples your system configuration possibilities for even more ideas and more decision-making space.

In the following pages, we will familiarise you with the technical details and the essential use of our product.

Kind regards

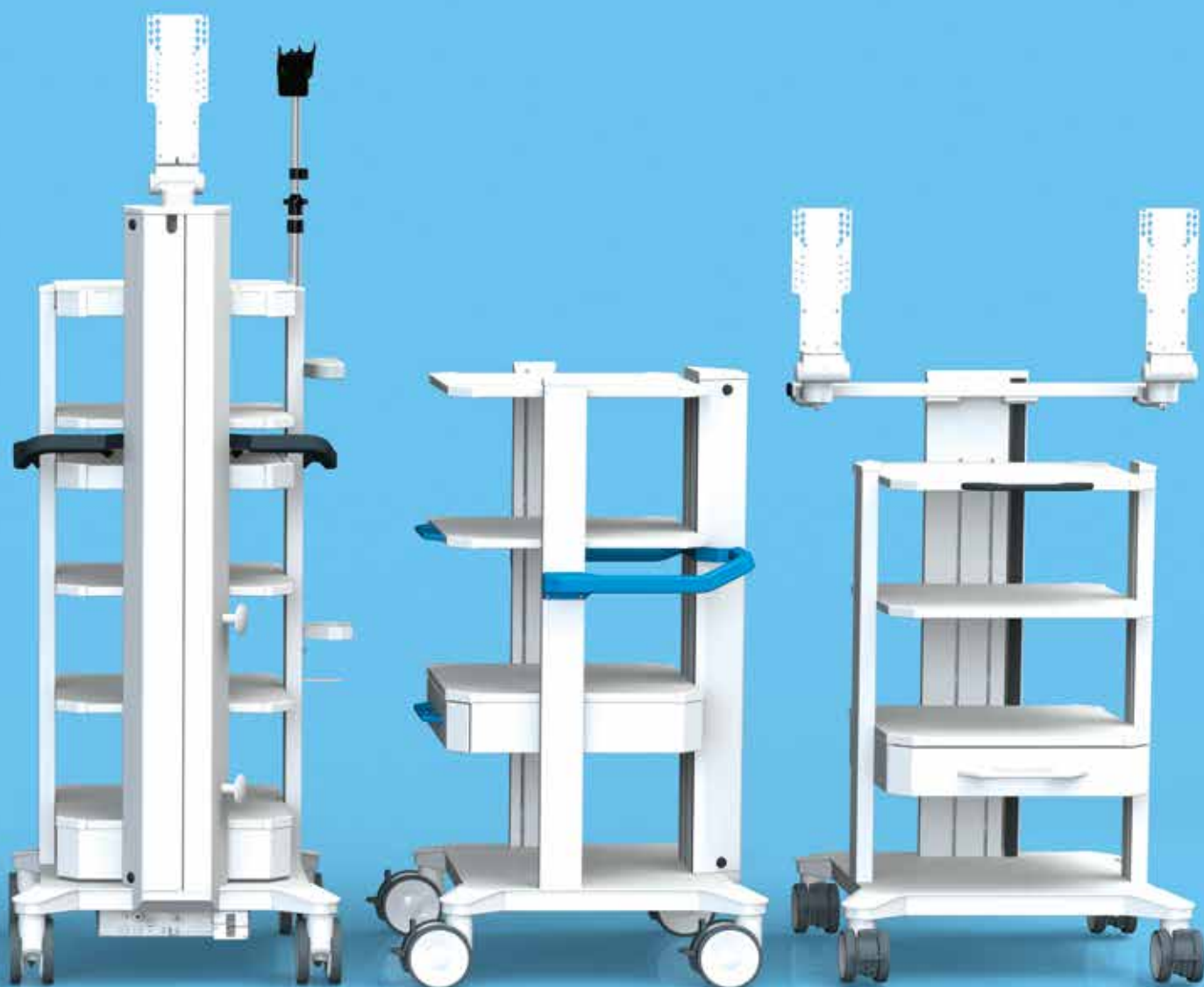
Quintin Potgieter
Managing Director ITD

360 degree panorama



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Multiplier of your ideas: Triple column concept



All Over

symbio-cart has universal mounting options for components and accessories



On Top

The components can be mounted directly on the media column



All In

Space for all plugs and cabling in the central lockable media column





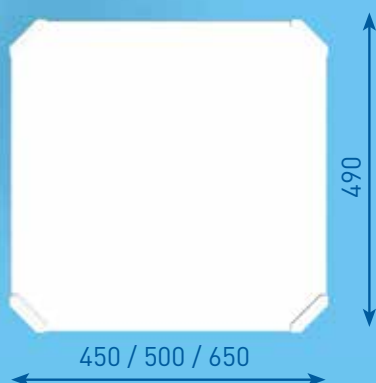
Central monitor
connection



Footprint



Floor space



Basic frame
symbio-cart "Plus"

Basic frame

More space with a smaller footprint

- Different structural widths (450 mm, 500 mm, 650 mm) and heights (25-45 U; 1 U = Unit = 32 mm) as well as a higher "Plus" media column for more flexibility.
- Space-saving assembly of the support arm on or against the media column as well as against the vertical profile for flexible positioning of the monitors on equipment carts.
- Ergonomic operation of accessories.
- Basic frame can be used as additional shelf.
- The basic frame is very stable.

3 columns give you freedom to decide



Basic frame
symbio-cart

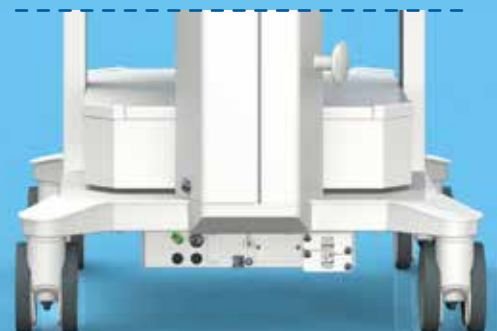
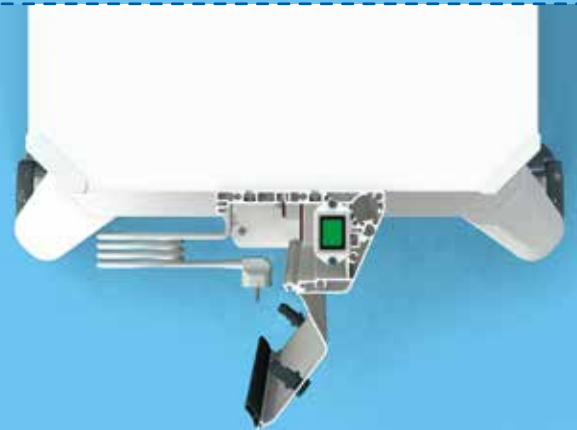


Media column

Media column

Cabling concept 4.0

- Media column as central lockable hub for connector cables, extended cables and country-specific socket strips.
- Organised cable routing at every position along the media column thanks to flexible rubber seals.
- Electrical safety when using multiple devices thanks to use of isolating transformers (up to max. 2000 VA).
- Open design prevents heat build-up.



The technology behind the scenes



Direct monitor mount



Storage space



Various interfaces

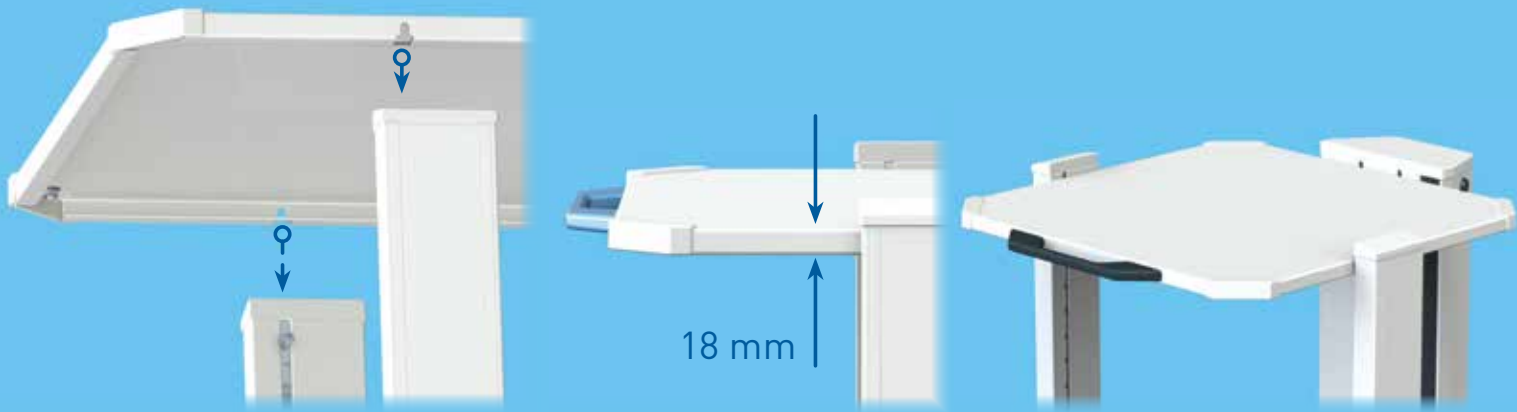


ISO monitor

Media shelf

One-to-All: from the shelf to the control console

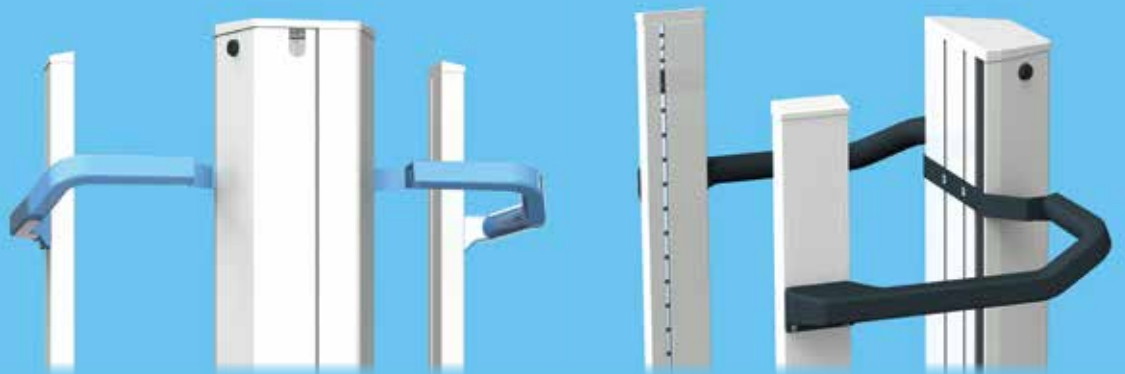
- Useful in the basic version as shelf with storage function. Excess cables, power supply units or small parts can be securely stored here.
- Available as central connection interface for input and output signals when equipped fully. On/off switch, customer-specific interfaces like USB, HDMI and insulation monitors can be included. All functions can also be modified individually.
- Ergonomic operation and plug-and-play.
- Optionally also available as monitor bases, also with storage function.



Shelf

Simplified assembly and functional design

- Integrate mounting holes for simple retrofitting or conversion. All modifications can be made by one person.
- Low component height provides more room for equipment and other components at the same installation height of the cart.
- Handles are tried and tested as design interfaces for colour variations.



Push handle

All-round ergonomic experience

- Revolving, high quality handle makes it possible to flexibly choose the pushing side to safely move the entire system.
- Flexible positioning of the push handle.
- Available as standard in white, anthracite and blue. Other customer-specific colours available on request.

How does one create symbiosis? From theory to practice



Customer dialogue

We are happy to advise our customers personally via email, telephone or on site. Let us know what the requirements are for your system and we will develop individual concepts for you.



ITD website

If you would like more information first, we have provided all information and technical details about our new equipment cart symbio-cart on our website.



Download area

The downloads available on the ITD website allow you to easily get product and company information for processing or passing on to colleagues.



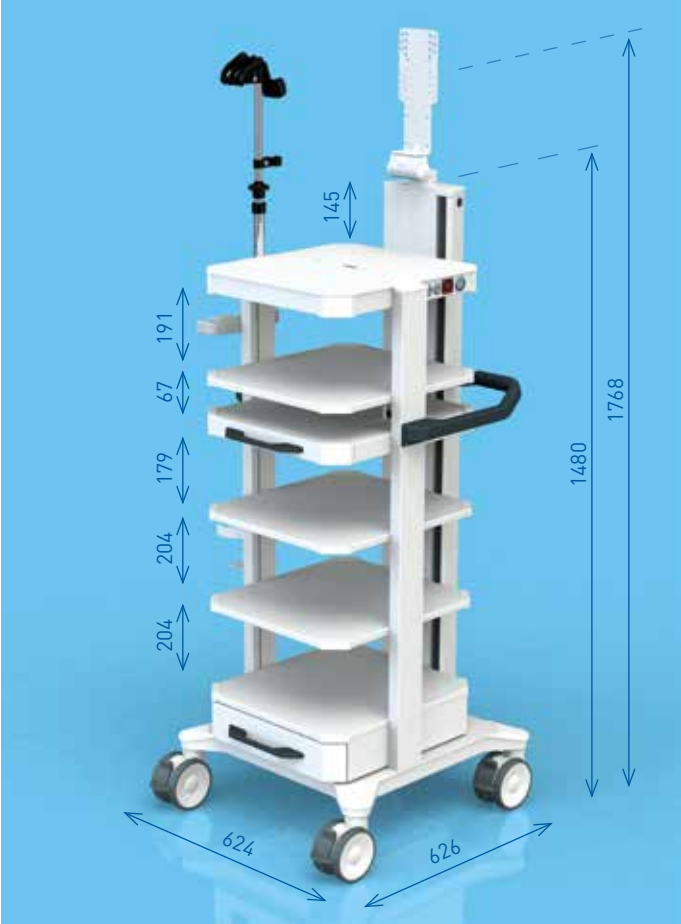
Online product configuration tool

Do you already have a very specific idea about how your sybio-cart should look?

Using this online tool, you can configure your individual sybio-cart along with all system components and accessories in real time.

ORDER CONFIGURATIONS

Order configurations symbio-cart



symbio-cart Basic Cart
Item number: GN.5050.XXX

Equipment cart, 30 U (total height: 1162 mm), Installation width W 500 mm equipped with:

- 1 basic frame with 4 lockable double castors Ø 125 mm
- 1 hygiene strips
- 1 multiple socket outlet, 6 outlets with on/off switch
- 2 shelves
- 1 shelf with handle
- 1 drawer

Installation height: 30 U (960 mm)
Load capacity: 180 kg
Surface: RAL9016 traffic white, powder-coated
Decorative trims: Handle see ¹⁾
Scope of delivery: fully assembled

symbio-cart Endoscopy Cart
Item number: GN.4550.XXX

Equipment cart, 35 U - 40 U (total height: 1840 mm), Installation width W 450 mm equipped with:

- 1 basic frame "Plus" with 4 lockable double castors Ø 125 mm
- 1 hygiene strips
- 1 isolating transformer with 1600 VA
- 1 media shelf
- 1 monitor holder with VESA 75 / 100 Adaption, universal
- 1 endoscopy holder
- 1 plug holder
- 1 drip bowl
- 4 shelves
- 1 drawer
- 1 keyboard drawer with mouse pad
- 1 push handle
- 1 cable winder (side of media column)
- 1 POAG panel, 8 outlets

Installation height: 35 U + 5 U (1120 mm + 160 mm)
Load capacity: 180 kg
Surface: RAL9016 traffic white, powder-coated
Decorative trims: Handle and push handle see ¹⁾
Scope of delivery: fully assembled

¹⁾ Decorative elements: replace .XXX with .921 = RAL 9016 traffic white, .920 = RAL 7016 anthracite grey, .927 = RAL Design 2507025 meadow blue

ORDER CONFIGURATIONS

Order configurations symbio-cart



symbio-cart **Endoscopy Cart**

Item number: **GN.5051.XXX**

Equipment cart, 40 U (total height: 1840 mm),
Installation width W 500 mm equipped with:

- 1 basic frame with 4 lockable double castors
Ø 125 mm
- 1 hygiene strips
- 1 isolating transformer with 1600 VA
- 1 monitor holder with VESA 75 / 100 Adaption, universal
- 1 camera holder with beaker
- 1 gas bottle holder
- 4 shelves
- 1 shelf with handle
- 1 drawer
- 1 keyboard drawer with mouse pad
- 1 push handle

Installation height: 40 U (1280 mm)
Load capacity: 180 kg
Surface: RAL9016 traffic white, powder-coated
Decorative trims: Handle and push handle see ¹⁾
Scope of delivery: fully assembled



symbio-cart **Endoscopy Cart**

Item number: **GN.5052.XXX**

Equipment cart, 30 U - 35 U (total height: 1875 mm),
Installation width W 500 mm equipped with:

- 1 basic frame with 4 lockable double castors
Ø 125 mm
- 1 hygiene strips
- 1 height-adjustable support arm (8-14 kg);
L = 400 mm + 350 mm
- 1 isolating transformer with 1600 VA
- 3 shelves
- 1 keyboard drawer with mouse pad
- 1 drawer
- 1 cable winder (side of media column)
- 1 push handle

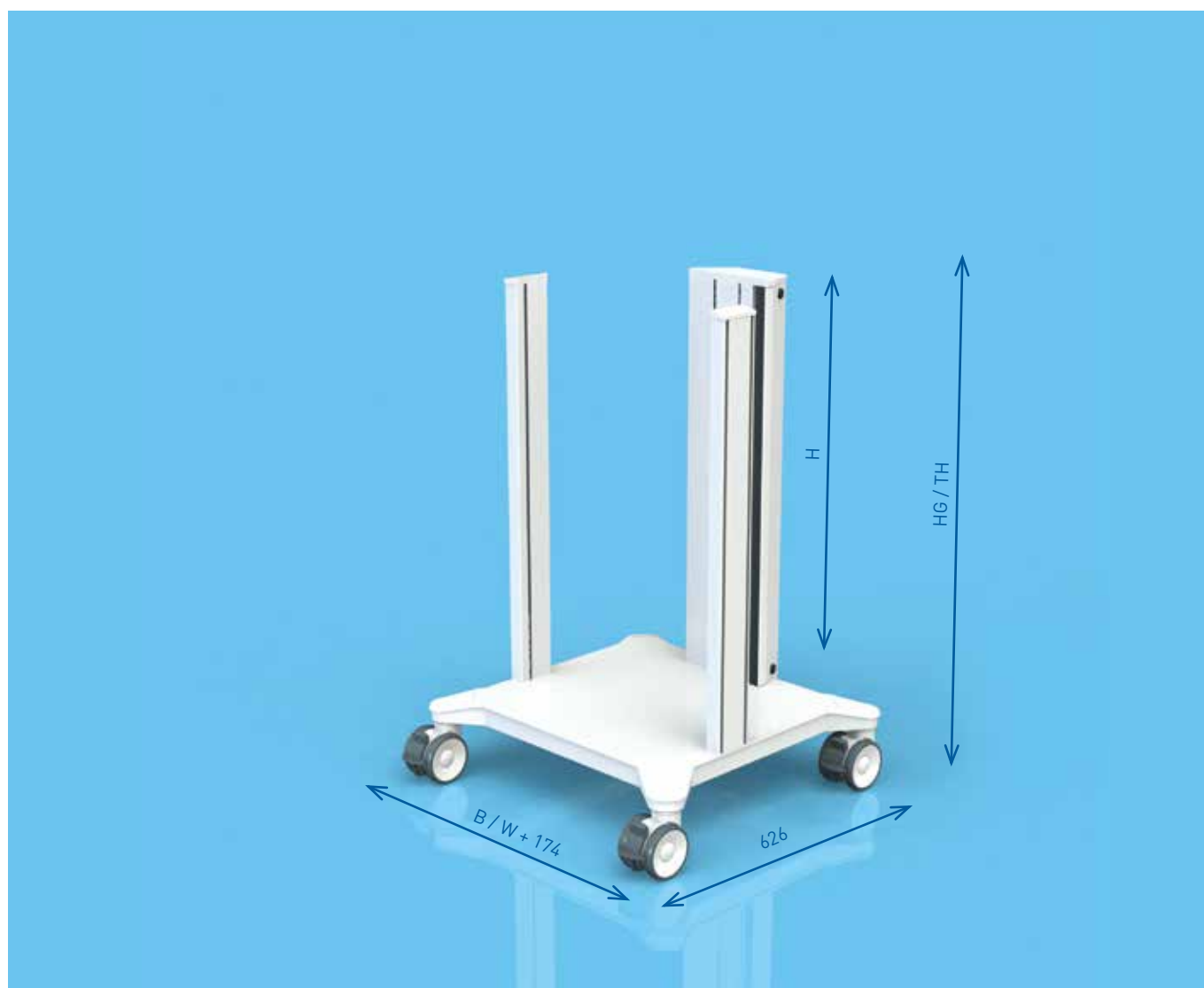
Installation height: 30 U + 5 U (960 mm + 160 mm)
Load capacity: 180 kg
Surface: RAL9016 traffic white, powder-coated
Decorative trims: Handle and push handle see ¹⁾
Scope of delivery: fully assembled

BASIC FRAME

Basic frame symbio-cart

The basic frame symbio-cart comprises a stable base, two side vertical profiles and a central media column. The base is stable thanks to its solid steel construction and can at the same time be used as a shelf for equipment. All the cart's cabling goes through the lockable media column. Besides the data and power cables and cable extensions, there is also enough space for country-specific plug strips. The rubber seals along the media column make it possible to insert or run out the cable to the preferred height. The system components and accessories can be mounted both on the inside and outside of the profiles and the media column. Four lockable twin castors (Ø 100 mm) provide a high level of ease of movement when being moved and a secure anchoring at the site of use.

Load capacity: 180 kg
Material: Steel / aluminium
Surface: RAL 9016 traffic white, powder-coated
Scope of delivery: 1 basic frame, fully assembled



symbio-cart

Installation height H	Total height HG	Castors Ø	W 450	W 500	W 650
25-25 U (800-800 mm)	977 mm	100 mm	GN.4500.993	GN.5000.993	GN.6500.993
30-30 U (960-960 mm)	1137 mm	100 mm	GN.4501.993	GN.5001.993	GN.6501.993
35-35 U (1120-1120 mm)	1297 mm	100 mm	GN.4502.993	GN.5002.993	GN.6502.993
40-40 U (1280-1280 mm)	1457 mm	100 mm	GN.4503.993	GN.5003.993	GN.6503.993

BASIC FRAME "Plus"

Basic frame "Plus" symbio-cart

The basic frame symbio-cart "Plus" differs from the basic version with a 160 mm (5 U) longer media column. This allows monitor holders to be installed directly on the media column. The connections are therefore led directly to the media column and neatly stored within it. With different installation heights, a shelf can be used for equipment at the highest position of the vertical profile.

Load capacity: 180 kg
Material: Steel / aluminium
Surface: RAL 9016 traffic white, powder-coated
Scope of delivery: 1 basic frame "Plus", fully assembled



symbio-cart

Installation height H	Total height HG	Castors Ø	W 450	W 500	W 650
25-30 U (800-960 mm)	977 + 25 mm	100 mm	GN.4511.993	GN.5011.993	GN.6511.993
30-35 U (960-1120 mm)	1137 + 25 mm	100 mm	GN.4512.993	GN.5012.993	GN.6512.993
35-40 U (1120-1280 mm)	1297 + 25 mm	100 mm	GN.4513.993	GN.5013.993	GN.6513.993
40-45 U (1280-1440 mm)	1457 + 25 mm	100 mm	GN.4514.993	GN.5014.993	GN.6514.993

BASIC FRAME

Castor conversion kit for basic frame symbio-cart

The following castors are offered for additional requirements, each as a conversion kit in place of the standard version described:

Scope of delivery: 1 roller conversion kit, 4 rollers; each roller with brake function, factory assembly only.

Castor conversion kit	in place of serial	Item number
Ø 125 mm, conductive	Ø 100 mm	ZV.9223.999
Ø 125 mm	Ø 100 mm	ZV.9222.999
Ø 100 mm, conductive	Ø 100 mm	ZV.9221.999

Wall deflector for basic frame symbio-cart

A wall deflector kit for the castors can also be ordered to avoid wall collisions and therefore damage to the basic frame.

Material: Softprene SBS
Surface: RAL 7011 iron grey
Scope of delivery: 4 wall deflectors, factory assembly only



Description	Item number
Wall deflector kit	ZV.9210.999

Cable guard for basic frame symbio-cart

Cable guards are recommended to avoid damage to the cable. This product ensures that the cables lying on the ground are not run over with the equipment cart, but rather pushed by the cable guard.

Material: LDPE plastic
Surface: RAL 7015 slate grey
Scope of delivery: 4 cable guards including assembly material



Description	Item number
Cable guard kit for castors Ø 100 mm	ZV.9204.999
Cable guard kit for castors Ø 125 mm	ZV.9205.999

Hygiene strips for basic frame symbio-cart

The hygiene strips are available for all variants of the basic frame and serve to cover the T-slots on the outer side of the media column and the vertical profile. They therefore provide protection from contaminants and make it simple and fast to wipe clean or disinfect.

Material: Plastic PVC-U
Surface: RAL 9016 traffic white
Scope of delivery: 5 hygiene strips



Installation height	Item number
25-25 U (800 mm)	GN.2020.993
30-30 U (960 mm)	GN.2021.993
35-35 U (1120 mm)	GN.2022.993
40-40 U (1280 mm)	GN.2023.993

Hygiene strips for basic frame “Plus” symbio-cart

The hygiene strips are available for all variants of the basic frame and serve to cover the T-slots on the outer sides of the media column and the vertical profile. They therefore support protection from contaminants and make it simple and fast to wipe clean or disinfect.

Material: Plastic PVC-U
Surface: RAL 9016 traffic white
Scope of delivery: 7 hygiene strips

Basic frame symbio-cart “Plus”



Installation height	Item number
25-30 U (800-960 mm)	GN.2025.993
30-35 U (960-1120 mm)	GN.2026.993
35-40 U (1120-1280 mm)	GN.2027.993
40-45 U (1280-1440 mm)	GN.2028.993

ISOLATING TRANSFORMER

Isolating transformer symbio-cart

The isolating transformer serves to limit the leakage current, which is hazardous to patients and specialists. Using an isolating transformer ensures safety at the first error and potential-free power supply. All isolating transformers are also optionally available with insulation monitors.

Power:	1200 VA / 1600 VA / 2000 VA
Input / output voltage:	at 1200 VA / 1600 VA: 115 V / 115 V or 230 V / 230 V, 50 Hz / 60 Hz switchable, at 2000 VA: 230 V / 230 V, 50 Hz / 60 Hz
Power input:	IEC 60320-1 C14 plug to connect country-specific mains supply lines
Type:	Toroidal transformer
Limited short-circuit protection:	IEC 61558-1
Inrush current limiting:	Electronically controlled at rated current
Protection class:	I
Withstand voltage:	PRI – earth: 1500 V AC, SEC – earth: 1500 V AC, PRI – SEC: 4000 V AC
Fuse:	Primary, 2-pole with fine wire fuse
Testing:	CE designation, NRTL approval for 1600 VA and 1600 VA with insulation monitoring unit
Protection type:	IP20
Material:	Steel / copper
Surface:	RAL 9016 traffic white, powder-coated
Assembly:	under the base
Scope of delivery:	1 isolating transformer with 1200 VA, 1600 VA or 2000 VA, equipped with on/off switch; Schuko mains supply line, 5m; mains power sockets (input/ output), factory assembly only.

Insulation monitoring unit ELG (Earth Leakage Guard) incl. temperature monitoring only possible with media shelf

The insulation monitoring unit generates a visual and acoustic signal which makes the falling insulation resistance of the entire system recognisable when it reaches a critical area using light diodes and sound. The test of the system condition which then becomes possible does not replace the prescribed test/servicing intervals of the individual equipment.

Response value:	53 kOhm \pm 5%	Test resistor:	33 kOhm
Input voltage:	115 V / 230 VAC \pm 15% 50 Hz / 60 Hz	Alternating current internal resistance:	220 kOhm
Direct current internal resistance:	320 kOhm	Measuring dc voltage:	12 V \pm 0,3 V
Highest measured voltage:	< 0.5 mA	Max. deviating dc voltage:	250 V DC



Example: On/ off switch



Example: Insulation monitoring unit



Example: Isolating transformer

Isolating transformer with on/ off switch on the media column and 8-socket mains power plug strip	with Insulation monitoring unit	without Insulation monitoring unit
Isolating transformer, switchable (115 V / 230 V), power 1200 VA		ZV.9224.999
Isolating transformer, switchable (115 V / 230 V), power 1600 VA	ZV.9226.999	ZV.9225.999
Isolating transformer, NOT switchable (230 V), power 2000 VA	ZV.9228.999	ZV.9227.999
Isolating transformer with on/ off switch on the media shelf and 8-socket mains power plug strip	with Insulation monitoring unit	without Insulation monitoring unit
Isolating transformer, switchable (115 V / 230 V), power 1200 VA		ZV.9229.999
Isolating transformer, switchable (115 V / 230 V), power 1600 VA	ZV.9231.999	ZV.9230.999
Isolating transformer, NOT switchable (230 V), power 2000 VA	ZV.9233.999	ZV.9232.999



Media shelf with on/ off switch must be ordered separately.

Plug strips with on/ off switch for symbio-cart

Assembly: In the media column
Scope of delivery: ① mains power plug socket strip, ② Schuko plug socket strip, including on/off switch (on the media column)



Description	Power cable	Power plug	Nominal value	Item number
① Mains plug socket strip, 8 outlets with external earth connection line	without	IEC 320	10 A / 250 VAC	ZV.9234.999
② Schuko plug socket strip, 8 outlets with external earth connection line	5 m	DN VDE 0620-1	16 A / 250 VAC	ZV.9236.999

⚠ ① ② **On/off switch is mounted on the media column.**

⚠ ① **Accompanying power cable must be ordered separately. Mains hand-off is mounted in the media column.**

Plug strips without on/ off switch for symbio-cart

Assembly: In the media column
Scope of delivery: 1 plug strip including assembly material

Description	Power cable	Power plug	Nominal value	Item number
① Mains plug socket strip, 6 outlets with external earth connection line	without	IEC 320	10 A / 250 VAC	ZV.9238.999
② Mains plug socket strip, 8 outlets with external earth connection line	without	IEC 320	10 A / 250 VAC	ZV.9239.999
③ Schuko plug socket strip, 6 outlets with external earth connection line	5 m	DN VDE 0620-1	16 A / 250 VAC	ZV.9240.999
④ Schuko plug socket strip, 8 outlets with external earth connection line	5 m	DN VDE 0620-1	16 A / 250 VAC	ZV.9241.999
⑤ French standard, 6 outlets with external earth connection line	5 m	CEE7, UTE	16 A / 250 VAC	ZV.9242.999
⑥ French standard, 8 outlets, with switch and external earth connection line	5 m	CEE7, UTE	16 A / 250 VAC	ZV.9243.999
⑦ American standard, 6 outlets US Hospital Grade	4.6 m	UL 1363, UL 1363A	15 A / 250 VAC	ZV.9244.999
⑧ British standard, 6 outlets with external earth connection line	5 m	BS 1363	13 A / 250 VAC	ZV.9245.999
⑨ Chinese standard, 8 outlets with switch	5 m	IEC 60884-1, CCC	10 A / 250 VAC	ZV.9246.999
⑩ Australian standard, 8 outlets, with external earth connection line	5 m	Type I AS 3112	10 A / 250 VAC	ZV.9247.999

⚠ ① ② **Accompanying power cable must be ordered separately. You can find these on page 20.**

Plug strips with on / off switch for symbio-cart

Assembly: In the media column
Scope of delivery: Swiss standard socket strip, 6-way, with on/off switch

Description	Power cable	Power plug	Nominal value	Item number
Swiss standard, 6 outlets, with on / off switch	2,5 m	SN441011 Typ12	10 A/250 VAC	ZV.9184.999

CABLE

Power cable

Different power cables with and without POAG cable are available for the mains power socket strip.

Mains power socket: IEC 320
Length: 5 m
Scope of delivery: 1 power cable

Description	Power plug	Nominal value	Item number
① Power cable Schuko	CEE7 / VII	10 A / 250 VAC	ZV.9809.799
② Power cable Schuko with POAG	CEE7 / VII	10 A / 250 VAC	ZV.9620.999
③ Power cable Swiss Standard	Type 12	10 A / 250 VAC	ZV.9798.799
④ Power cable British Standard	Type BS 1363	10 A / 250 VAC	ZV.9860.799
⑤ Power cable US Standard	3-pole US	15 A / 125 VAC	ZV.9770.799
⑥ Power cable Australian Standard	2-pole AUS	10 A / 250 VAC	ZV.9248.799

Mains power cable

The mains power cable serves to connect the mains power plug socket strip and mains power plug of the device.

Structure: IEC mains power plug socket strip --> IEC mains power plug
Scope of delivery: 1 mains power cable

Description	Item number
Mains power cable, length 0.6 m	ZV.9773.799
Mains power cable, length 1.0 m	ZV.9960.799
Mains power cable, length 1.5 m	ZV.9371.799
Mains power cable, length 2.0 m	ZV.9372.799
Mains power cable, length 2.5 m	ZV.9373.799

Adapter cable

Adapter cable between mains power plug and Schuko plug socket strip.

Structure: Schuko plug socket strip --> mains power plug
Scope of delivery: 1 adapter cable

Description	Item number
Adapter cable, length 0.3 m	ZV.9959.799

MEDIA SHELF

Media shelf

The basic version of the media shelf constitutes a shelf with lockable storage function. For instance, cables or also power supply units can be stored securely here. The media shelf can also be used universally to mount the monitor with VESA 75 / 100.

Installation height:	2 U (64 mm) / component height: 52 mm
Dimensions (W x D):	W 450: 450 mm x 490 mm; W 500: 500 mm x 490 mm; W 650: 650 mm x 490 mm
Load capacity:	30 kg distributed load
Material:	Steel / aluminium
Surface:	RAL 9016 traffic white, powder-coated
Assembly:	In the T-slots of the vertical profile and the media column. Preferably in the topmost position.
Scope of delivery:	1 media shelf, including assembly material, pre-assembled

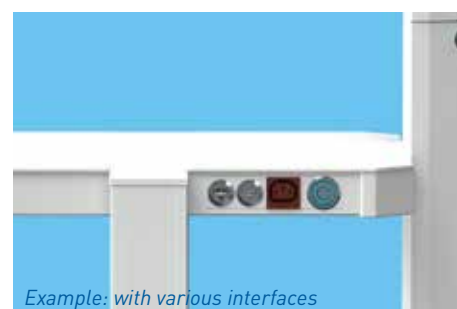


Description	W 450	W 500	W 650
① Media shelf	GN.4610.921	GN.5110.921	GN.6610.921
② Media shelf with monitor holder, VESA 75 / 100 universal	GN.4611.921	GN.5111.921	GN.6611.921

Interfaces media shelf

The media shelf can be added to on the side with selected connections, such as with USB, HDMI or on/ off switch. The media shelf can therefore be expanded into an individual operating console and offers greater ease of use. All connections can also be ordered individually.

Assembly:	On the side of the media shelf.
Scope of delivery:	① ② ③ ④ 1 interface including assembly material ⑤ factory assembly only



Example: with various interfaces

Interfaces media shelf	Item number
① Blind plugs	ZV.9190.999
② RJ45 kat6 - interface	ZV.9191.999
③ HDMI - interface	ZV.9192.999
④ USB 2.0 - interface	ZV.9193.999
⑤ Mains power hand-off with cable relief	ZV.9196.999

SHELVES

Shelves

The shelf symbio-cart is assembled quickly and easily using a hanging solution. In this way, complete earthing of the shelf is ensured. Thanks to its low height of only 18 mm, these shelves offer more room for devices between the system components. The storage shelves also have a spacious footprint and can be ordered both with and without handle.

Installation height:	1 U (32 mm) / component height: 18 mm
Dimensions (W x D):	W 450: 450 mm x 490 mm; W 500: 500 mm x 490 mm; W 650: 650 mm x 490 mm
Load capacity:	30 kg distributed load
Material:	Steel / aluminium
Surface:	RAL 9016 traffic white, powder-coated
Decorative trims:	handle: See ¹⁾
Assembly:	In the T-slots of the vertical profile and the media column.
Scope of delivery:	1 shelf, including assembly material, pre-assembled



Description	W 450	W 500	W 650
① Shelf	GN.4600.921	GN.5100.921	GN.6600.921
② Shelf with handle	GN.4601.XXX	GN.5101.XXX	GN.6601.XXX

Pull-out shelf

The pull-out shelf offers rapid access to your devices in case of assembly and service. It can also be used as a keyboard drawer. The pull-out extends to 274 mm and provides access on all sides to the devices there. Snap-in points in drawn-out or inserted position fix the shelf in these positions.

Installation height:	3 U (96 mm) / component height: 62 mm
Load capacity:	15 kg distributed load
Material:	Steel / aluminium
Surface:	RAL 9016 traffic white, powder-coated
Decorative trims:	handle: See ¹⁾
Assembly:	In the T-slots of the vertical profile and the media column.
Scope of delivery:	1 pull-out shelf, including assembly material, pre-assembled




Description	W 450	W 500	W 650
Pull-out shelf	GN.4633.XXX	GN.5133.XXX	GN.6633.XXX

The symbio-cart drawer is distinguished by a large storage space and a smooth, removable interior body. All drawers have roller-guided pullouts and are easy and comfortable to use. All drawer types for symbio-cart are equipped with a mechanical locking mechanism. It is therefore ensured that the drawers cannot open themselves when going over a doorstep.

Dimensions (WxD)	W 450: 450 mm x 490 mm; W 500: 500 mm x 490 mm; W 650: 650 mm x 490 mm;
Interior (WxDxH):	Drawer / lockable drawer W 450: 360 mm x 400 mm x 85 mm; W 500: 410 mm x 400 mm x 85 mm; W 650: 510 mm x 400 mm x 85 mm Drawer high: W 450: 360 mm x 400 mm x 180 mm; W 500: 410 mm x 400 mm x 180 mm W 650: 510 mm x 400 mm x 180 mm
Load capacity:	3 kg distributed load
Material:	Steel / aluminium / plastic
Surface:	RAL 9016 traffic white, powder-coated
Decorative trims:	handle: See ¹⁾
Assembly:	In the T-slots of the vertical profile and the media column.
Scope of delivery:	1 drawer, including assembly material, pre-assembled



Description	W 450	W 500	W 650
① Drawer	GN.4640.XXX	GN.5140.XXX	GN.6640.XXX
② Drawer, lockable	GN.4642.XXX	GN.5142.XXX	GN.6642.XXX
③ Drawer, single, high	GN.4641.XXX	GN.5141.XXX	GN.6641.XXX

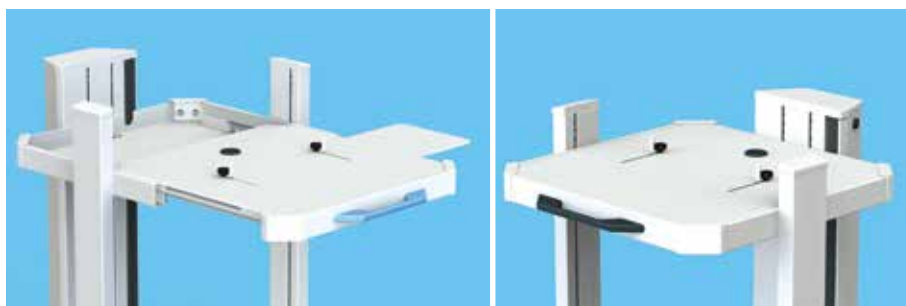
 **You need a shelf with the corresponding width as an upper part!**
This is not part of the delivery.

KEYBOARD DRAWER / PUSH HANDLE

Keyboard drawer

The keyboard drawer is distinguished by its full extension of 274 mm. The keyboard is prevented from slipping backwards by two adjustable stops. When pulling out or pushing in the keyboard drawer, the cables of the keyboard and mouse are taken safely along with it. The integrated mouse pad can be pulled out to the right and to the left. Suitable for keyboards with a height of up to 250 mm. Integrated handles are an additional decorative element.

Installation height:	4 U (128 mm) / component height: 90 mm
Load capacity:	10 kg distributed load
Material:	Steel / aluminium
Surface:	RAL 9016 traffic white, powder-coated
Decorative trims:	handle: See ¹⁾
Assembly:	In the T-slots of the vertical profile and the media column.
Scope of delivery:	1 pull-out keyboard drawer, including assembly material, pre-assembled

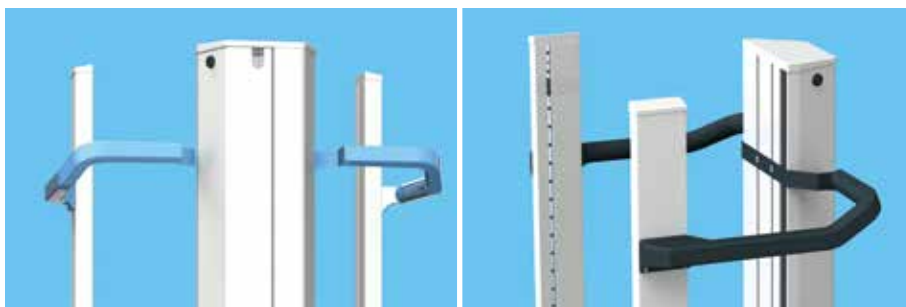


Description	W 450	W 500	W 650
Keyboard drawer	GN.4650.XXX	GN.5150.XXX	GN.6650.XXX

Push handle

The revolving, high quality handle makes it possible to flexibly choose the pushing side to safely move the equipment cart. With space-saving fitting between the three columns, the devices can be placed where you want.

Installation height:	3 U (96 mm) / component height: 56 mm
Material:	Aluminium / steel
Surface:	See ¹⁾
Assembly:	In the T-slots of the vertical profile and the media column.
Scope of delivery:	1 handle, including assembly material, pre-assembled



Description	W 450	W 500	W 650
Push handle	GN.4660.XXX	GN.5160.XXX	GN.6660.XXX

Accessories

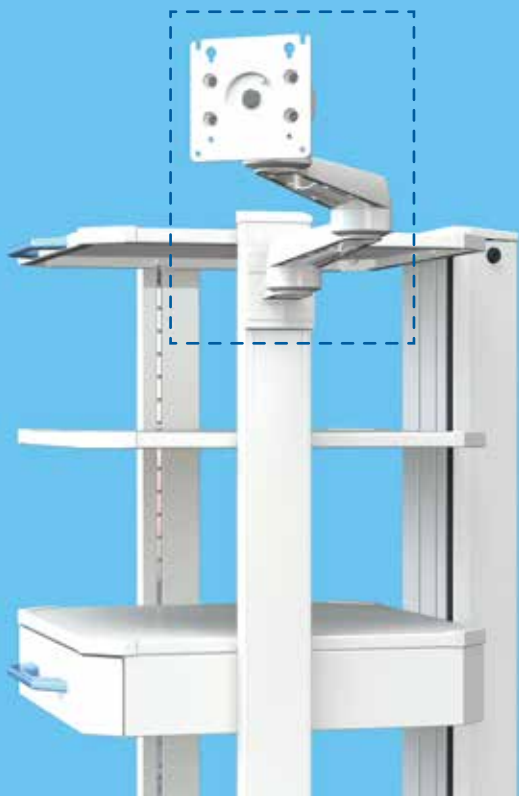
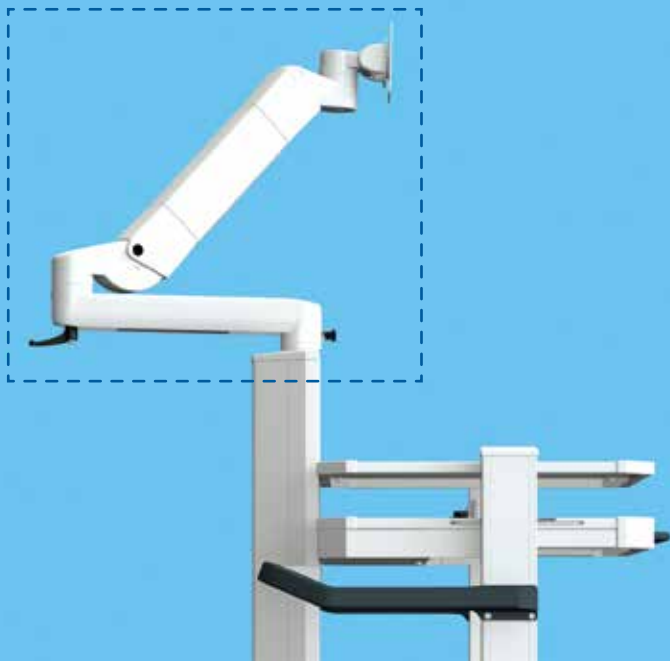


MONITOR HOLDERS & SWIVEL ARMS AND HEIGHT-VARIABLE SUPPORT ARMS

Various supporting arms and monitor holders can be selected to equip your overall system with monitors. Using the support arms, the user is able to optimally set the positioning of the monitor. The simplicity of the movement and precision of the individual positions are decisive for the user. Suitable for the symbio-cart and your monitor mount, ITD offers an extensive product portfolio of fixed, swivelling and height-variable support arms. The support arms match the equipment carts both visually and in terms of quality, and offer a valuable addition when using monitors.



Stability pursuant to EN60601-1 must be provided for proper use of the equipment carts in conjunction with support arms. We will be happy to advise you on the stability of your equipment cart.

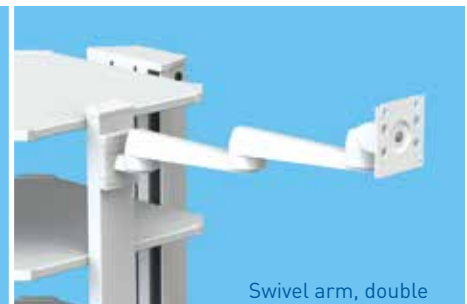


CONNECTION - TO VERTICAL PROFILES

Swivel arm with VESA 75 / 100 Adaption

The swivel arm rm-port (single, double) is equipped with a rotation and swivel unit with VESA 75 / 100 Adaption for particularly user-friendly positioning of the monitors. Interior cable channels with cable relief make it possible to include various types of cable. Large radii of action cover an extensive work area, depending on the variant. The spring-supported holder can be tilted by $\pm 20^\circ$, swivelled by $\pm 90^\circ$ and rotated by $\pm 5^\circ$. The monitor can be tilted with little force thanks to the spring support.

Installation height:	3 U (96 mm)
Material:	Steel / aluminium
Surface:	RAL 9016 traffic white, powder-coated
Assembly:	On the outside of the vertical profiles, left / right
Scope of delivery:	1 swivel arm, including assembly material



Description	Monitor weight 0-14 kg	Monitor weight 14-18 kg
Swivel arm, single, L = 250 mm	TH.2170.993	TH.2172.993
Swivel arm, single, L = 325 mm	TH.2171.993	TH.2173.993
Swivel arm, double, L = 250 mm + 250 mm	TH.2260.993	TH.2262.993
Swivel arm, double, L = 325 mm + 325 mm	TH.2261.993	TH.2263.993

 **You require a separate fastening set to fasten it.**

Fastening set	ZV.9731.999
---------------	-------------

Height-variable swivel arm with VESA 75 / 100 Adaption

With the height-variable support arm flexion-port, bulky, clickable cable channels allow various cables to be accommodated. Configurable swivel joints and a brake function ensure precise positioning. The monitor holder can be tilted by $\pm 20^\circ$, swivelled by $\pm 90^\circ$ and rotated by $\pm 5^\circ$. The monitor can be tilted with little force thanks to the spring support.

Installation height:	5 U (160 mm)
Material:	Steel / aluminium
Surface:	RAL 9016 traffic white, powder-coated
Assembly:	On the outside of the vertical profiles, left / right
Scope of delivery:	1 support arm, including assembly material



Description	Monitor weight 3-10 kg	Monitor weight 8-14 kg
Height variable support arm; L = 300 mm	HA.2200.921	HA.2207.921
Height variable support arm; L = 400 mm	HA.2201.921	HA.2208.921

 **You require a separate fastening set to fasten it.**

Fastening set	ZV.9731.999
---------------	-------------

CONNECTION - TO MEDIA COLUMN

Monitor holder with VESA 75 / 100 Adaption, universal

Monitor holder with VESA 75 / 100 Adaption, universal is mounted directly on the media column and accommodates monitors up to max. 14 kg. The monitor holder can be tilted by $\pm 20^\circ$ and turned by $\pm 20^\circ$.

Material: Steel / aluminium
Surface: RAL 9016 traffic white, powder-coated
Assembly: On the media column
Scope of delivery: 1 monitor holder, including assembly material



Description	Item number
Monitor holder with VESA 75 / 100 Adaption, universal	TH.2028.993

Double monitor holder with VESA 75 / 100 Adaption, universal

The double monitor holder is mounted directly on the media column and can accommodate two monitors with a weight of up to 14 kg each. The monitors can be adjusted individually for the optimum viewing angle. The double monitor holder is only available in combination with the basic frame "Plus". Each monitor holder can be tilted by $\pm 15^\circ$ and turned by $\pm 170^\circ$.

Material: Steel / aluminium
Surface: RAL 9016 traffic white, powder-coated
Assembly: On the media column
Scope of delivery: 1 double monitor holder, including assembly material



Description	Item number
Double monitor holder with VESA 75 / 100 Adaption, universal	GN.2012.993

CONNECTION - ON MEDIA COLUMN

Monitor holder with VESA 75 / 100 Adaption, universal

Monitor holder with VESA 75 / 100 Adaption, universal is mounted directly on the media column and accommodates monitors up to max. 14 kg. The monitor holder can be tilted by $\pm 15^\circ$ and turned by $\pm 170^\circ$.

Material: Steel / aluminium
Surface: RAL 9016 traffic white, powder-coated
Assembly: On the media column
Scope of delivery: 1 monitor holder, including assembly material

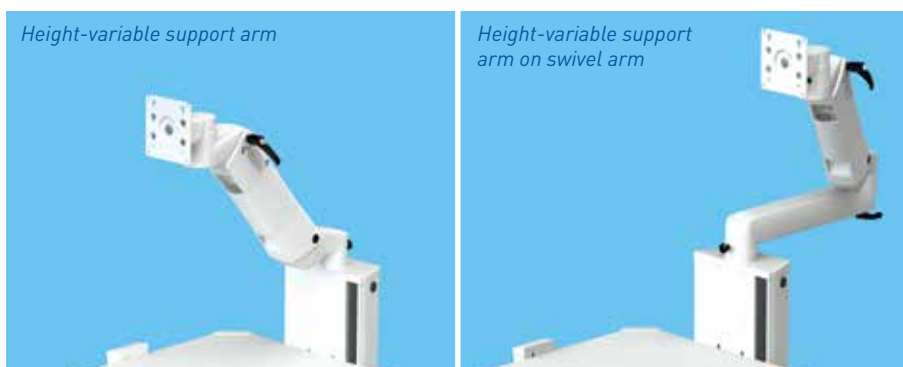


Description	Item number
Monitor holder with VESA 75 / 100 Adaption, universal	GN.2002.993

Height-variable swivel arm with VESA 75 / 100 Adaption

Height-variable support arm flexion-port combined with swivel arm allow for greater action radii. Clickable cable channels make it easier to route cables from the device in the media column. Configurable swivel joints and a brake function ensure precise positioning. An integrated locking bolt on the support arm or swivel arm allows for safe transport. The support arm's swivel area is $\pm 110^\circ$ and the area of the support arm on swivel arm is $\pm 117^\circ$. The monitor holder can be tilted by $\pm 20^\circ$, swivelled by $\pm 90^\circ$ and rotated by $\pm 5^\circ$.

Material: Steel / aluminium
Surface: RAL 9016 traffic white, powder-coated
Assembly: On the media column
Scope of delivery: 1 support arm, including assembly material



Height-variable support arm with VESA 75 / 100 Adaption	Monitor weight 3-10 kg	Monitor weight 8-14 kg
Length = 300 mm	HA.2311.921	HA.2312.921
Length = 400 mm	HA.2313.921	HA.2314.921
Height-variable support arm on swivel arm with VESA 75 / 100 Adaption	Monitor weight 3-10 kg	Monitor weight 8-14 kg
Length = 300 mm + 350 mm	HA.2307.921	HA.2308.921
Length = 400 mm + 350 mm	HA.2309.921	HA.2310.921

STORAGE BASKETS / POWER SUPPLY UNIT HOLDERS

Storage baskets

For storing accessories.

① Storage basket, conical. Dimensions: W 305 mm, D 205 mm, H 150 mm

Load capacity: 3 kg

Material: Steel

Surface: RAL 9016 white, whirl sintering

Assembly: On the outside of the vertical profiles, left / right

Scope of delivery: 1 storage basket including assembly material

② Storage basket, conical, small. Dimensions: W 205 mm, D 93 mm, H 150 mm

Load capacity: 3 kg

Material: Steel

Surface: RAL 9016 traffic white, powder-coated

Assembly: On the outside of the vertical profiles, left / right

Scope of delivery: 1 storage basket including assembly material



Description	Installation height	Item number
① Storage basket, conical	5 U (160 mm)	ZV.9967.993
② Storage basket, conical, small	5 U (160 mm)	ZV.9892.993

Power supply unit holders

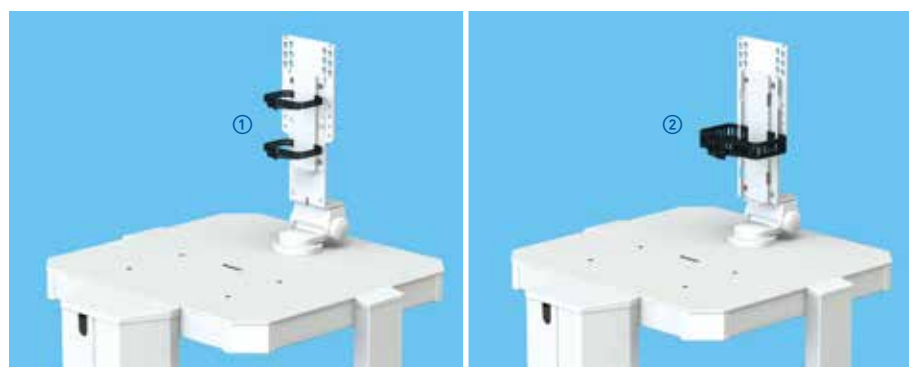
Depending on the model, the holder is designed to accommodate power supply units with a maximum size of 420 mm. It can be fastened both to the back of the universal monitor holder with VESA 75 / 100 Adaption and also on the side vertical profiles of the symbio-cart.

Load capacities: **small:** up to max. 3 kg; **large:** up to max. 5 kg

Material: Sheet steel

Surface: RAL 9016 traffic white, powder-coated

Scope of delivery: 1 power supply unit holder including assembly material



Description	max. size	Installation height	Item number
① Power supply unit holder universal, small	250 mm	5 U (160 mm)	TS.0524.993
② Power supply unit holder universal, large	420 mm	7 U (160 mm)	TS.0574.993

COMPUTER HOLDERS

Computer holders

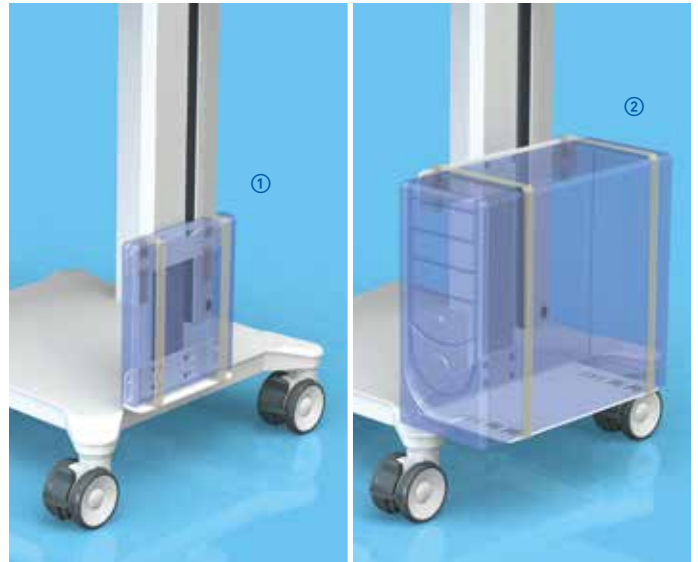
These holders are designed for computers of different sizes and, thanks to their two straps, guarantee that they can be individually adapted as well as stable when standing and secure during transport.

Material: Steel

Surface: RAL 9016 traffic white, powder-coated

Assembly: On the outside of the vertical profiles, left / right

Scope of delivery: 1 computer holder including assembly material, pre-assembled



Description	Load capacity	Item number
① Computer holder, small	5 kg	TS.6144.993
② Computer holder, large	20 kg	TS.6146.993

ENDOSCOPY HOLDERS

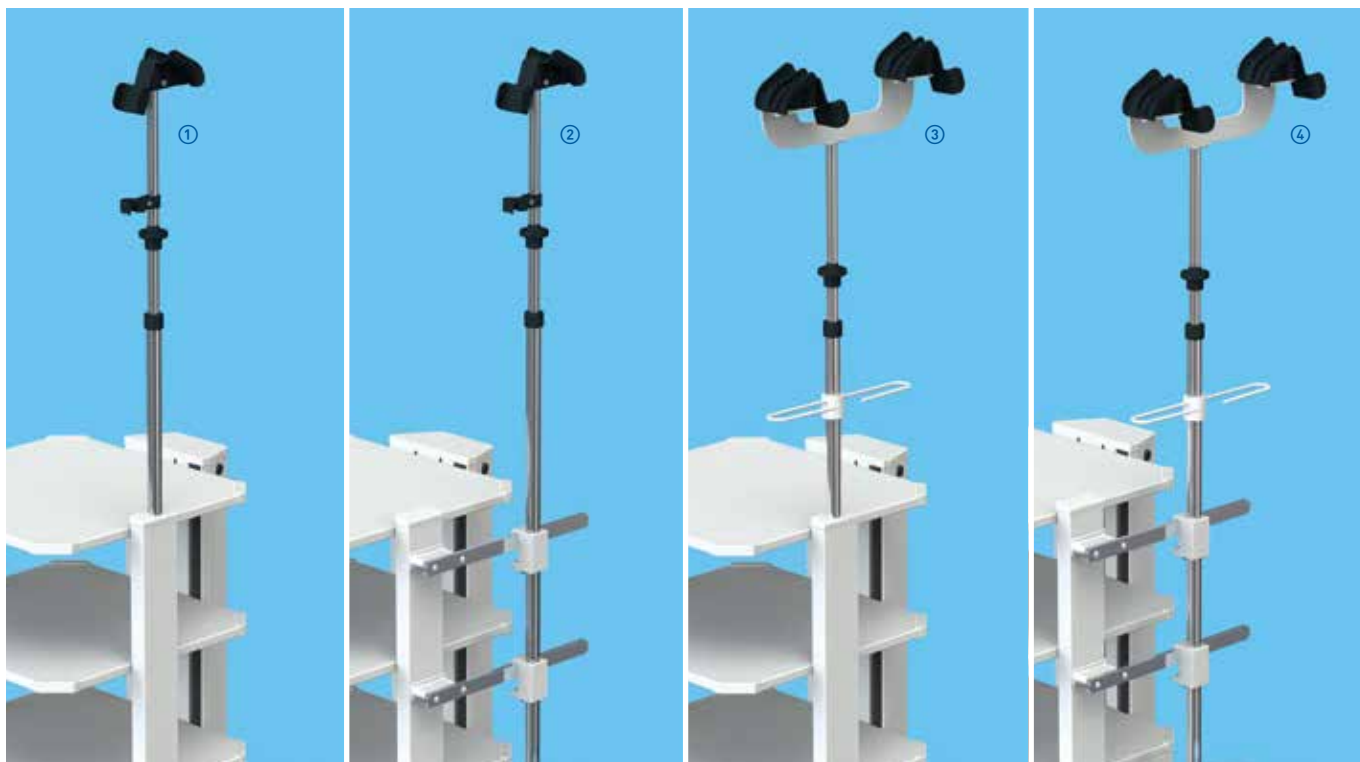
Endoscopy holder, single or double

The endoscopy holders provide secure and kink-free inclusion of endoscopes from all common makes. Thanks to the height adjustability, endoscopes up to 2 m long can be accommodated. The additional holder on the telescopic rod is height-adjustable and serves as fixing and protection.

Material: **Overlay:** Plastic polypropylene; **Holder:** Plastic polypropylene glass fibre reinforced;
Telescopic rod: Chrome-plated steel

Assembly: ① and ③ in the vertical profile left / right
② and ④ on two standard rails

Scope of delivery: 1 endoscopy holder including assembly material



Description	Item number
① Endoscopy holder, single, in the vertical profile left / right	GN.2004.999
② Endoscopy holder, single, on standard rails	GW.0868.993
③ Endoscopy holder, double, in the vertical profile left / right	GN.2005.993
④ Endoscopy holder, double, on standard rails	GW.0870.993

 **You can find standard rails on page 37.**

DRIP BOWL / PLUG HOLDER

Drip bowl

The drip bowl, with a max. content of 600 ml, can be easily mounted on the vertical profile. The height-adjustable drip bowl can be fixed to the telescopic rod of the endoscope holder.

Material: Drip bowl: Plastic polypropylene, temperature resistant up to 135°C; holder: Steel
Surface: Drip bowl: naturally transparent; holder: RAL 9016 traffic white, powder-coated
Assembly: ① On the outside of the vertical profiles, left / right
② Middle of the fixing support directly on the telescopic rod of the endoscope holder
Scope of delivery: 1 drip bowl including fixing and assembly material



Description	Item number
① Drip bowl on the vertical profile	ZV.9963.993
② Drip bowl on the endoscope holder	ZV.9986.993

Plug holder

The plug holder allows up to three endoscope plugs to be safely accommodated.

Material: Plastic
Assembly: On the outside of the vertical profiles, left / right
Scope of delivery: 1 plug holder including assembly material



Description	Item number
Plug holder	ZV.9833.999

TUBE / CAMERA / UNIVERSAL HOLDER

Tube holder

The holder can accommodate tubes from e.g. suction pumps with a diameter of Ø 6 mm to Ø 14 mm.

Material: Stainless steel
Assembly: On the outside of the vertical profiles, left / right
Scope of delivery: 1 tube holder including assembly material



Description	Item number
Tube holder	GN.2013.999

Camera holder

① Camera holder for simple inclusion of camera heads on the eye piece.
② Camera holder for simple inclusion of camera heads on the eye piece and storage in beaker. This variant provides secure storage for the expensive, high quality endoscope camera heads and the cable winder can be used to guide the cables.

Material: Camera holder: plastic; console: Steel
Surface: Camera holder: RAL 7016 anthracite grey, console: RAL 9016 traffic white, powder-coated
Assembly: On the outside of the vertical profiles, left / right
Scope of delivery: 1 camera holder including assembly material



Description	Item number
① Camera holder	GW.9990.999
② Camera holder with beaker	ZV.9199.993

Universal holder

The universal holder serves to store ultrasound probes and bar code scanners from common manufacturers and protects these from damage during transport.

Material: Universal holder: plastic; console: Steel
Surface: Universal holder: RAL 7016 anthracite grey
Console: RAL 9016 traffic white, powder-coated
Assembly: On the outside of the vertical profiles, left / right
Scope of delivery: 1 universal holder including assembly material



Description	Item number
Universal holder	ZV.9198.993

CLEANER / GEL / BOTTLE HOLDER

Cleaner bottle holder

The holder can be fixed to the side of the vertical profile to accommodate a cleaner bottle.

Load capacity: 5 kg
Material: Stainless steel
Assembly: On the outside of the vertical profiles, left / right
Scope of delivery: 1 cleaner bottle holder including assembly material



Description	Item number
Cleaner bottle holder	GN.2014.999

Gel bottle holder

This holder is suitable for gel bottles up to Ø 60 mm.

Material: Steel
Surface: RAL 9016 traffic white, powder-coated
Assembly: On the outside of the vertical profiles, left / right
Scope of delivery: 1 gel bottle holder including assembly material



Description	Item number
Gel bottle holder	GW.0800.993

Bottle holder

These holders allow for bottles of different sizes to be accommodated. They are suitable to hold a 1 L cleaner bottle (Ø 120 mm) or a 2 L secretion glass (Ø 145 mm).

Load capacity: 5 kg
Material: Steel
Surface: RAL 9016 traffic white, powder-coated
Assembly: On the outside of the vertical profiles, left / right
Scope of delivery: 1 bottle holder including assembly material



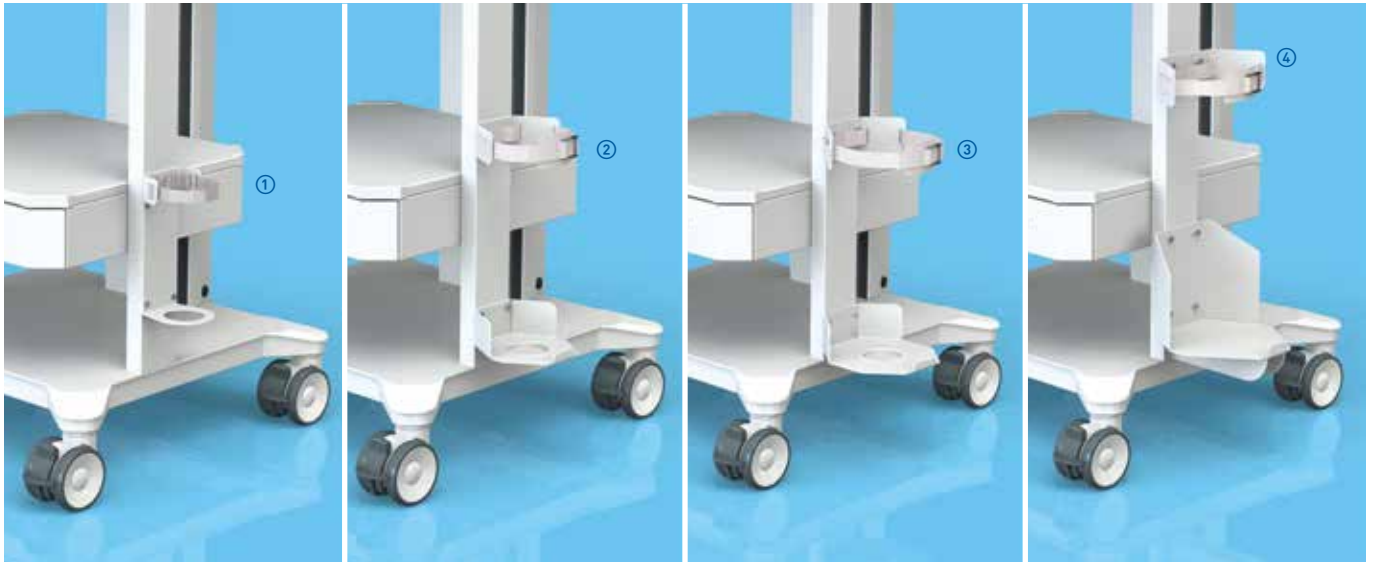
Description	Item number
Bottle holder Ø 120 mm	GW.0400.993
Bottle holder Ø 145 mm	GW.0401.993

GAS BOTTLE HOLDER


Gas bottle holder

The gas bottle holder is mounted on the vertical profile.

Material:	Steel
Surface:	RAL 9016 traffic white, powder-coated
Assembly:	On the outside of the vertical profiles, left / right
Scope of delivery:	1 gas bottle holder including assembly material, pre-assembled



Gas bottle holder for	Content in litres	Load capacity	Item number
① max. Ø 100 mm	2 L	15 kg	GW.0466.993
② max. Ø 145 mm	3 L / 5 L / 10 L	20 kg	GW.0160.993
③ max. Ø 175 mm	10 L / 20 L	20 kg	GW.0890.993
④ max. Ø 205 mm	20 L	50 kg	GW.0285.993

 **Stability pursuant to EN60601-1 must be provided for proper use of the equipment carts in conjunction with gas bottle holders. We will be happy to advise you on the stability of your equipment cart. For gas bottle holders from 5 L, we recommend assembly on the lowest position of the vertical profile.**

INFUSION STAND / STANDARD RAILS

Infusion stand

The infusion stand is equipped with a 4-arm safety bottler holder and can be height adjusted by 870 mm.

Material:	Steel
Assembly:	In the vertical profiles, left / right
Scope of delivery:	1 infusion stand including assembly material



Description	Load capacity	Item number
① Infusion stand with one-hand adjustment	4 x 2 kg	GN.2003.999
② Infusion stand	4 x 5 kg	GN.2015.999

Standard rail

The standard rail can be mounted on the side of the vertical profile.

Installation height:	1 U (32 mm)
Dimensions:	D 10 mm x H 25 mm x L 390 mm
Load capacity:	10 kg
Material:	Stainless steel
Assembly:	On the outside of the vertical profiles, left / right
Scope of delivery:	1 standard rail with adapter, including assembly material



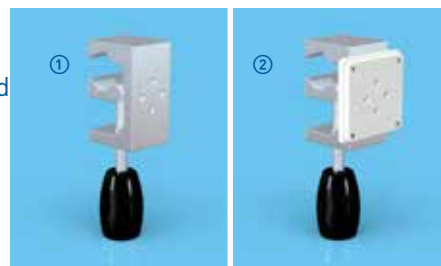
Description	Item number
Standard rail	GW.9801.993

RETAINING CLAWS / CLAMPS / RAIL FIXINGS

Retaining claw fixed or rotatable

The retaining claw serves to accommodate medical equipment on standard rails as well as on circular tubes with a max diameter of Ø 38 mm. Using the rotatable variant, it is possible to quickly switch between vertical and horizontal directions. The horizontal and vertical mounting dimension amounts to 22 mm.

Load capacity:	5 kg
Material:	Retaining claw: Aluminium; adapter panel: steel
Surface:	Retaining claw: anodised; Adapter panel: RAL 9016 traffic white, powder-coated
Assembly:	On the standard rail or on the vertical circular tube
Scope of delivery:	1 retaining claw



Description	Item number
① Retaining claw, fixed	ZV.9820.799
② Retaining claw, rotatable with adapter panel	TS.6286.993

Clamp

The clamp serves to accommodate accessories on the standard rails with an external diameter of Ø 16 mm or Ø 18 mm.

Material:	Aluminium
Surface:	RAL 9016 traffic white, powder-coated
Assembly:	On standard rail
Scope of delivery:	1 clamp



Description	for Ø 16 mm	for Ø 18 mm
Clamp on standard rail	ZV.9876.993	ZV.9877.993

Rail fixing

The rail fixing serves to mount accessories with a diameter of Ø 25 mm to the standard rail.

- ① Used in pairs for variable fixing of infusion stands or endoscope holders on standard rails.
- ② Use in combination with ①, if a drip bowl should be screwed on.

Material:	Aluminium
Surface:	RAL 9016 traffic white, powder-coated
Assembly:	On standard rail
Scope of delivery:	1 rail fixing



Description	Item number
① Rail fixing on standard rail, accommodates Ø 25 mm	ZV.9957.993
② Rail fixing for drip bowl, accommodates Ø 25 mm	ZV.9958.993

HOLDER FOR SUCTION UNITS / ADAPTER PIECES

Holder for suction units

There are appropriate holders available to professionally include suction units from various manufacturers.

Installation height:	3 U (96 mm)
Material:	Steel
Surface:	RAL 9016 traffic white, powder-coated
Assembly:	On the outside of the vertical profiles, left / right
Scope of delivery:	1 holder including assembly material



Description	Ergoline / Strässle Ø 25.5 mm	Hellige / KISS Ø 30 mm	Custo med Ø 25 mm
Holder for suction units	GW.0570.993	GW.0702.993	GW.0579.993

 **Stability pursuant to EN60601-1 must be provided for proper use of the equipment carts in conjunction with suction unit holders. We will be happy to advise you on the stability of your equipment cart.**

Adapter pieces

The adapter pieces serve to accommodate mounting parts and - depending on the model - have an inside diameter of 16 mm or 18 mm.

Material:	Stainless steel
Assembly:	In the vertical profiles, left / right
Scope of delivery:	1 adapter piece including assembly material and cover cap



Description	Ø inside 16 mm	Ø inside 18 mm
Adapter piece, Ø outside 25 mm	GN.2016.999	GN.2017.999

FOOT SWITCH SUSPENSION / ARTICULATED ARMS

Foot switch suspension

The suspension is fixed on the vertical profile and serves to securely accommodate a foot switch.

Material: Steel
Surface: RAL 9016 traffic white, powder-coated
Assembly: On the outside of the vertical profiles, left / right
Scope of delivery: 1 foot switch suspension including assembly material



Description	Item number
Foot switch suspension	ZV.9991.993

Articulated arms

The articulated arms can be used to accommodate small devices and are available both with and without hose clamps. An adapter piece must also be ordered for the fixing.

- ① Articulated arm with hose clamps. Joint clamp with rotating handles.
- ② Articulated arm with two rotating joints, rotatable by approx. 230°, incrementally adjustable with quick action closure knobs

Load capacity: 1 kg
Material: ① Aluminium; ② Stainless steel / plastic
Surface: ① Matt chrome, anodised finish; ② polished
Assembly: In the vertical profiles, left / right
Scope of delivery: 1 articulated arm including assembly material



Description	Outreach max.	Item number
① Articulated arm with hose clamps, trunnions Ø 16 mm	approx. 900 mm	ZV.9955.799
② Articulated arm for small devices, trunnions Ø 18 mm	approx. 890 mm	ZV.9680.999

CABLE HOLDER / CABLE WINDER

Cable holder

The cable holder provides secure and careful accommodation of fibre optic cables, e.g. glass fibre cables. The large diameter of the circumferential cylinder (Ø 130 mm) prevents kinks forming in the sensitive cables.

- Material:** Plastic / steel
- Surface:** White / RAL 9016 traffic white, powder-coated
- Assembly:** On the inside of the vertical profiles, left / right
- Scope of delivery:** 1 cable holder including assembly material

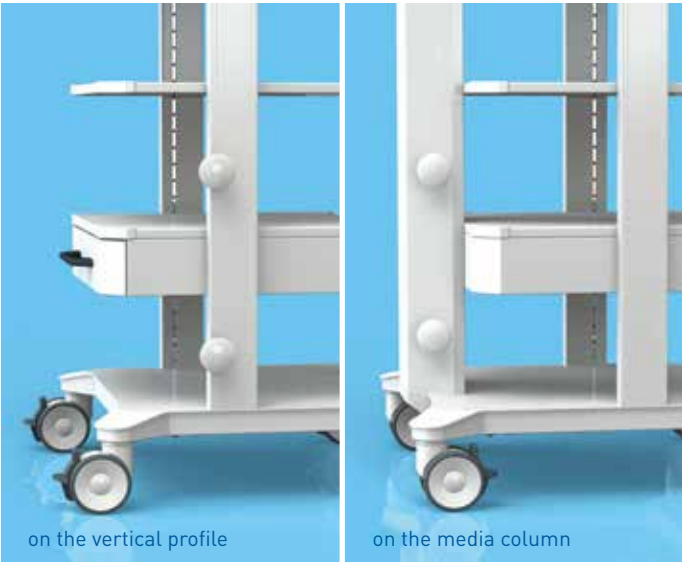


Description	Item number
Cable holder	GW.9807.993

Cable winder

The cable winders are fixed to the media column or on the vertical profile of the equipment cart and can accommodate cables with a length of up to 5 m.

- Material:** Plastic
- Surface:** RAL 9016 traffic white, powder-coated
- Assembly:** On the outside of the vertical profiles, left / right; on the outside of the media column
- Scope of delivery:** 2 cable winders including assembly material



Description	Item number
Cable winders	FC.0253.993

POTENTIAL EQUALISATION

Potential equalisation plug POAG-S6 DIN 42801

Specialists and patients are at risk from uncontrolled leakage currents occurring. These are caused by potential differences between electric equipment and external, conductive parts in medical-use rooms. The safest solution is to install a potential equalisation.

Material: Steel / brass nickel-plated

Scope of delivery: ① 1x plug POAG-S6 DIN 4280, 1x colour marking disc yellow / green
② 8x plug POAG-S6 DIN 4280, 8x colour marking disc yellow / green
① ② including mounting holder with assembly material



Description	Item number
① POAG plug	ZV.9940.999
② Panel with 8 POAG plugs	GN.2006.999

Potential equalisation cable POAG

The potential equalisation cable POAG serves to connect installed components to the equipment cart with the potential equalisation plug.

Material: POAG socket: Brass nickel-plated; cable: copper

Scope of delivery: 1 cable with angled socket both sides



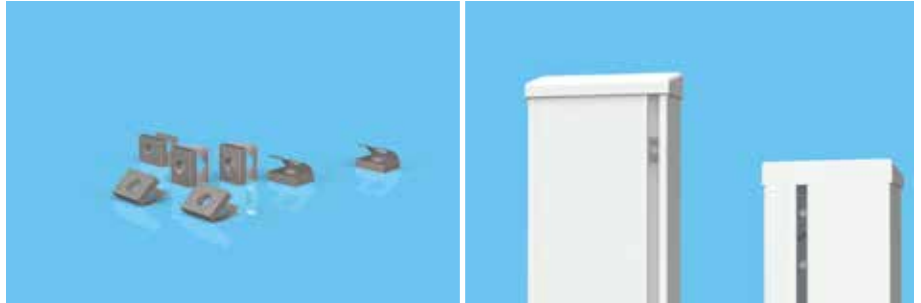
Description	Item number
Potential equalisation cable POAG, length 0.3 m	ZV.9941.999
Potential equalisation cable POAG, length 0.5 m	ZV.9942.999
Potential equalisation cable POAG, length 1.0 m	ZV.9943.999
Potential equalisation cable POAG, length 1.5 m	ZV.9488.999
Potential equalisation cable POAG, length 5.0 m	ZV.9944.999

FIXING MATERIAL

Spring nuts M6

The spring nuts can be clipped in at a preferred location in the outer T-slots and serve to fix system components and accessories.

Material: Steel / Nirosta 4310
Surface: galvanised
Scope of delivery: 50 items



Description	Item number
Spring nuts M6	ZV.9851.999

Fixing corners

These self-adhesive or screw-on fixing corners secure positioned devices against slipping and can be mounted on the shelf or on the base. Its design also makes it suitable underneath devices with very flat feet - e.g. printers.

Surface: RAL 9016 traffic white, powder-coated
Scope of delivery: 4 fixing corners including assembly material



Description	Item number
Fixing corners	FC.0221.993





DS.0205.799 - EN - 0,5' - Datadruk 10/19 - Printed in Germany. All rights to make changes reserved.



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