Height adjustable arm with ergonomic W-bracket for BeneVision VMAX with keyboard / mouse

MD

Monitor adaption	W-bracket VESA 75/100 and keyboard / mouse tray
Height adjustment	slow-flowing spring, parallel linkage for a constant viewing angle
Colours to choose CD	decorative parts RAL 5013 cobalt blue / RAL 7024 graphite grey aluminum parts RAL 9016 traffic white / RAL 9002 grey white
Max. load capacity support arm	18 kg / 39.7 lbs
Max. load monitor adaptation	18 kg / 39.7 lbs
Product weight	5.3 - 6.9 kg / 10.8 - 15.2 lbs (according to dimensions of keyboard tray)
Balancing range X	1300 N: VMAX
Keyboard tray T	300 x 210 mm, 400 x 150 mm, 500 x 200 mm, 580 x 200 mm, 650 x 200, 480 x 220 mm 11.8 x 8.3”, 15.7 x 5.9”, 19.7 x 7.9”, 22.8 x 7.9”, 25.6 x 7.9”, 18.9 x 8.7”
Part number	A-431F-Y.CD_X_T

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4S

Adapter for vertical wall channel

2F

Horizontal rail clamp

3

Vertical rail clamp

1V

Universal pole clamp

1
1B
1F
1C

Fixed pole clamp

13

Adapter for Mindray medical supply units

17

Adapter for Amico pendants & headwalls

19

Adapter for Dräger Ambia pendants & headwalls

9

Adapter for ITD mounting channel

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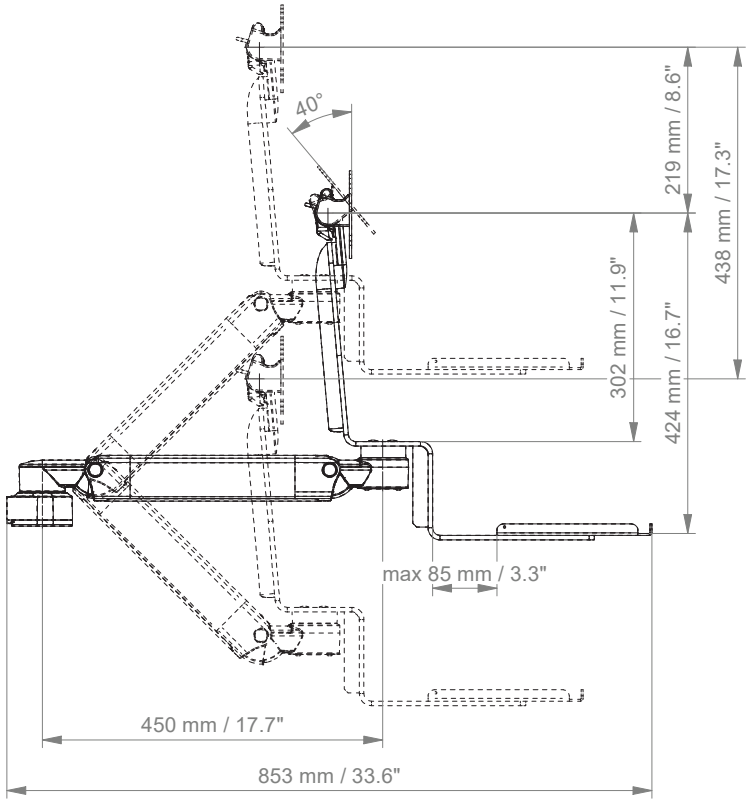
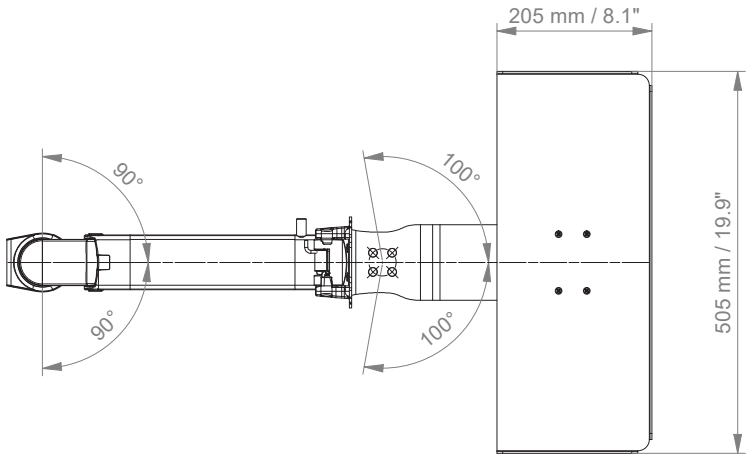
Technical data - keyboard tray 500 x 200 mm / 19.7 x 7.9”

SIDE VIEW



TOP VIEW



Fixings Y

Illustration	Description	Notes	Weight	Part no.
	Adapter for vertical wall channel	To mount to CIM wall channel (compatible with GCX channel) Please order separately: CIM wall channel, see catalogue accessoires	0.6 kg / 1.3 lbs	4S
	Horizontal rail clamp	To mount to horizontal European rails 10 x 25, 8 x 35, 10 x 30, 10 x 50 mm	1.1 kg / 2.4 lbs	2F
	Vertical rail clamp	To mount to vertical European rail 10 x 25 mm	0.5 kg / 1.1 lbs	3
	Universal pole clamp	V-block to mount to pole ø 23 - 40 mm / 0.9 - 1.6”	0.6 kg / 1.3 lbs	1V
	Fixed pole clamp	To mount to pole ø 25 mm / 1.0” To mount to pole ø 30 mm / 1.2” To mount to pole ø 35 mm / 1.4” To mount to pole ø 38 mm / 1.5”	0.3 kg / 0.7 lbs 0.4 kg / 0.9 lbs 0.4 kg / 0.9 lbs 0.4 kg / 0.9 lbs	1 1B 1F 1C
	Adapter medical supply units	For Mindray medical supply units	0.8 kg / 1.8 lbs	13
	Adapter pendants & headwalls	For Amico pendants & headwalls	0.6 kg / 1.3 lbs	17
	Adapter pendants & headwalls	For Dräger Ambia pendants & headwalls	0.6 kg / 1.3 lbs	19
	Adapter pendants & headwalls	For ITD mounting channels	0.4 kg / 0.9 lbs	9

How to create part numbers

Part numbers can be easily created by following the steps below:
Please replace the letters in green with the part no. code as per your requirements.

1. Components' grounding:

S	=	not grounded
A	=	grounded

2. Choose the arm version required:

910G	=	flush mount
224G / 230G	=	support arm pivot
431G	=	height adjustable arm
73130G	=	extended height adjustable arm
224F / 230F	=	support arm pivot with W-bracket
431F	=	height adjustable arm with W-bracket
73130F	=	extended height adjustable arm with W-bracket
224Q / 230Q	=	support arm pivot for SMR
33030Q	=	extended pivot arm light duty for SMR

3. Specify where you want to mount the arm and select the fixing (Y):

1V	=	pole ø 23 - 40 mm / 0.9 - 1.6"
1	=	pole ø 25 mm / 1.0"
1B	=	pole ø 30 mm / 1.2"
1F	=	pole ø 35 mm / 1.4"
1C	=	pole ø 38 mm / 1.5"
2F	=	horizontal rails 10 x 25, 8 x 35, 10 x 30, 10 x 50 mm
3	=	vertical rail 10 x 25 mm
4S	=	vertical wall channel
9	=	ITD mounting channel
13	=	Mindray medical supply units
17	=	Amico pendants & headwalls
19	=	Dräger Ambia pendants & headwalls

4. Choose the colour requested for decorative parts (C):

gr	=	RAL 7024 (graphite grey)
bl	=	RAL 5013 (cobalt blue)

How to create part numbers

5. Choose the colour requested for the aluminium die-cast parts (D):

1	=	RAL 9016 (traffic white)
2	=	RAL 9002 (grey white)

6. Specify the spring depending on the weight of your monitor/ device - only with height adjustable arms (X):

Please note that the weight range of the individual springs may vary depending on the bracket (X).

Pneumatic Springs Explained:

The weight ranges of the pneumatic springs shown in our catalogues relate to the minimum and maximum weights of the products that can be added to the arm, for a perfectly balanced solution. The weight ranges can vary with the same pneumatic springs, as the overall weights placed on the front of the arms have to be considered. The total weight not only reflects the actual monitor weight, but also includes monitor adaptations, brackets and/ or trays. When choosing the pneumatic spring, please consider the weight of your monitor/ device only.

For VESA adaptation

60	=	2 - 5 kg / 4.4 - 11 lbs
95	=	4 - 9 kg / 8.8 - 19.8 lbs
130	=	7.5 - 13 kg / 16.5 - 28.7 lbs
175	=	13 - 16 kg / 28.7 - 35.3 lbs
220	=	16 - 22 kg / 35.3 - 48.5 lbs

For W-bracket

95	=	2.5 - 5.5 kg / 5.5 - 12.1 lbs
130	=	6 - 10 kg / 13.2 - 22 lbs
175	=	11 - 14 kg / 24.3 - 30.9 lbs
220	=	13 - 16 kg / 28.7 - 35.3 lbs

7. Specify the requested size of the keyboard tray and mouse (T):

Standard	Magnetic	With wrist rest		Dimensions
30	30S		=	300 x 210 mm / 11.8 x 8.3”
40	40S		=	400 x 150 mm / 15.7 x 5.9”
50	50S	50W	=	500 x 200 mm / 19.7 x 7.9”
58	58S	58W	=	580 x 200 mm / 22.8 x 7.9”
65	65S	65W	=	650 x 200 mm / 25.6 x 7.9”
RC			=	480 x 220 mm (retractable mouse tray left/right 179 mm / 7.0”)

Example

01 Grounding		02 Arm version		03 Fixing		04 & 05 Colour		06 Spring tension		07 Keyboard tray
A	-	431F	-	Y	.	CD	_	X	_	T
A	-	431F	-	4S	.	gr1	_	95	_	30

General notes

Monitor Adaptations
VESA 75/100 monitor adaptation for BeneVision VMAX patient monitor.
Quick Release is used for SMR. The monitor adaption SMR quick release offers tool-free disassembly of the module rack.

Components' grounding
All arms with integrated cable management are equipped with component grounding. No grounding is required for arms with external or semi-integrated cable management with cables not being led through joints.

Load capacity
All height adjustable arms have a load capacity of 22 kg / 48.5 lbs. Rear mounted monitor adaptations and horizontally mounted 5“ plunge plates accept a maximum monitor weight of 18 kg / 39.7 lbs. An additional 4 kg / 8.8 lbs may be mounted on a down post underneath the front swivel part. Depending on material and tensile factor all weight indications have a 4-fold and/ or 6-fold safety factor according to IEC 60601-1 standards.

Custom-designed solutions and MRI applications
Please contact us for custom-designed solutions.

Product marking
All CIM products are CE marked. As medical product risk class 1 they are conform with the regulations (EU) 2017/745 (MDR) and IEC 60601-1. Other standards of the IEC 60601 series are not applicable to our products, regardless of their version.

MD A stand-alone product that is already classified as a medical product class 1 before being integrated into an overall medical device. The product is CE-marked. A declaration of conformity is available.

~~MD~~ Accessories or spare parts that have no independent function and are therefore not subject to the MDR. These products are not CE-marked. A declaration of conformity is not required.

Warranty
All CIM products have a 5-year warranty to be free of defects in material and fuctionality from the date of delivery.

How to find the right product for your needs?

No problem with our configurator
https://cim-configurator.com

Product highlights

Non-height adjustable arm

Pivot and extended pivot arms offer **full cable integration** and easy cleaning for **infection control** in all critical care areas in the clinical environment. Our **5-years warranty** guarantees reliable, trouble-free and maintenance-free operation. The swivel function at the fixing point as well as the **tilt/ swivel function** of the monitor adaptation offers optimum positioning of your device. The extended pivot arm is a two-part arm with central pivot point between the two arm sections. All bottom-mounted monitors have the safety feature of a **20° tilt stop**.

Height adjustable arm

The height adjustable arm offers **full cable integration**, one-wipe clean surfaces and our **5-year warranty** on the entirety of the product. Vertically and horizontally adjustable, the arm offers optimal positioning of your device. A constant viewing angle when vertically adjusted is guaranteed by a parallel linkage. **Weight-optimized springs counter-balance** the monitor without making any adjustments. All bottom-mounted monitors have the safety feature of a **20° tilt stop**. Individual rotational stops may be integrated in any joint.

SAFETY

To provide the perfect combination of arm and monitor, the CIM articulated height adjustable arm has a simple quarter-turn lock to hold the arm safely in position when removing the monitor. Furthermore the arm is equipped with the unique safety feature of a slow-release gas spring. Should anybody try to remove the monitor before locking the arm in position, the arm will only rise at a slow and even tempo.