CIMmed

MOUNTING REFERENCE GUIDE

Mindray Monitoring BeneVision VMAX

CIM Cable Integrated Mounting System



THINK BEFORE YOU PRINT

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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



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			For W-bracket		
60	=	2 - 5 kg / 4.4 - 11 lbs			
95	=	4 - 9 kg / 8.8 - 19.8 lbs	95	=	2.5 - 5.5 kg / 5.5 - 12.1 lbs
130	=	7.5 - 13 kg / 16.5 - 28.7 lbs	130	=	6 - 10 kg / 13.2 - 22 lbs
175	=	13 - 16 kg / 28.7 - 35.3 lbs	175	=	11 - 14 kg / 24.3 - 30.9 lbs
220	=	16 - 22 kg / 35.3 - 48.5 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

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.

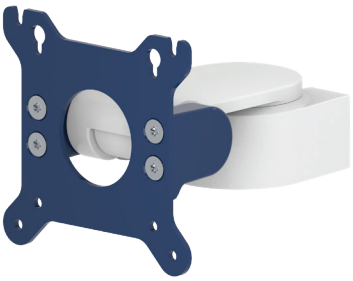
SAFETY

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.



Flush mount for BeneVision VMAX

MD



Monitor adaption	VESA 75/100	
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	1 kg / 2.2 lbs	
Part number	S-910G-Y.CD	

Fixings Y details page 29



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



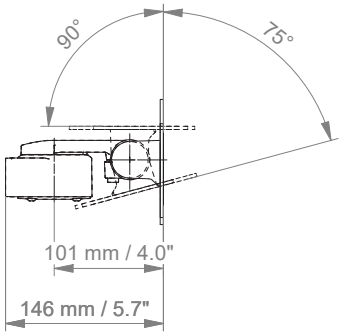
19

Adapter for Dräger Ambia pendants & headwalls

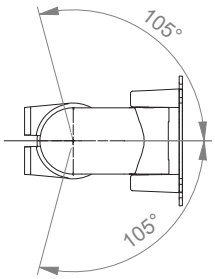
Flush mount for BeneVision VMAX

Technical data

SIDE VIEW

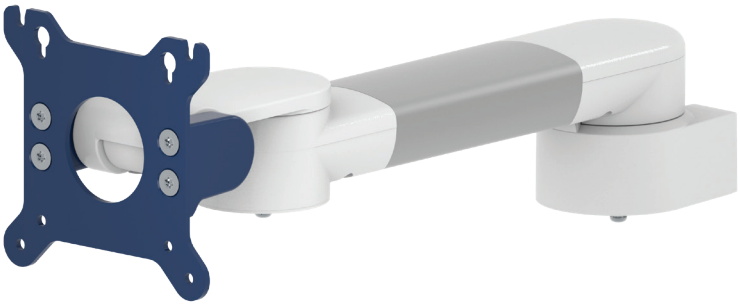


TOP VIEW



Support arm pivot for BeneVision VMAX

MD



Monitor adaption	VESA 75/100	
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	arm type 240	arm type 300
	1.8 kg / 4.0 lbs	1.9 kg / 4.2 lbs
Part number	arm type 240	arm type 300
	A-224G-Y.CD	A-230G-Y.CD

Fixings Y details page 29



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



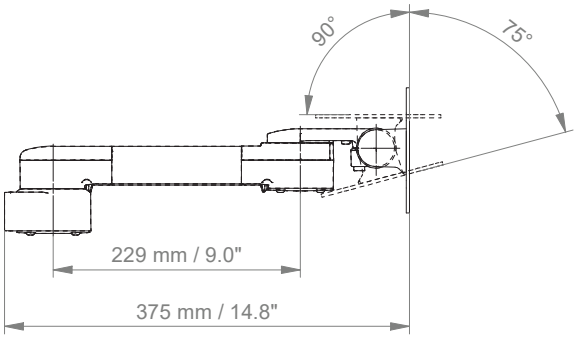
9

Adapter for ITD mounting channel

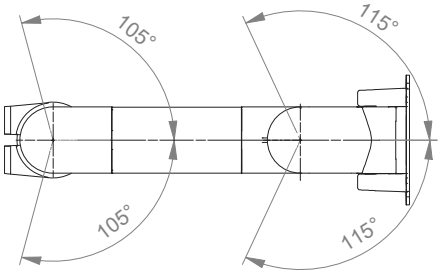
Support arm pivot for BeneVision VMAX

Technical data - arm type 300

SIDE VIEW

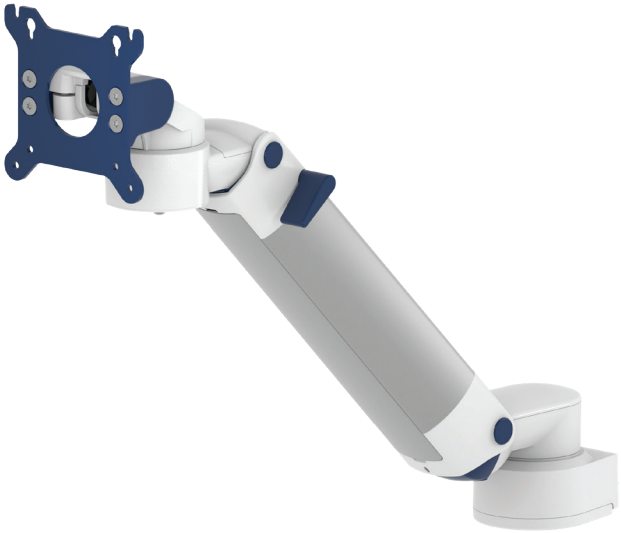


TOP VIEW



Height adjustable arm for BeneVision VMAX

MD



Monitor adaption	VESA 75/100
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	22 kg / 48.5 lbs
Max. load monitor adaptation	18 kg / 39.7 lbs
Product weight	3.8 kg / 8.4 lbs
Balancing range X	1300 N: VMAX 1750 N: VMAX with SMR (4 modules) mounted on down post 2200 N: VMAX with SMR (8 modules) mounted on down post
Part number	A-431G-Y.CD_X

Fixings Y details page 29



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

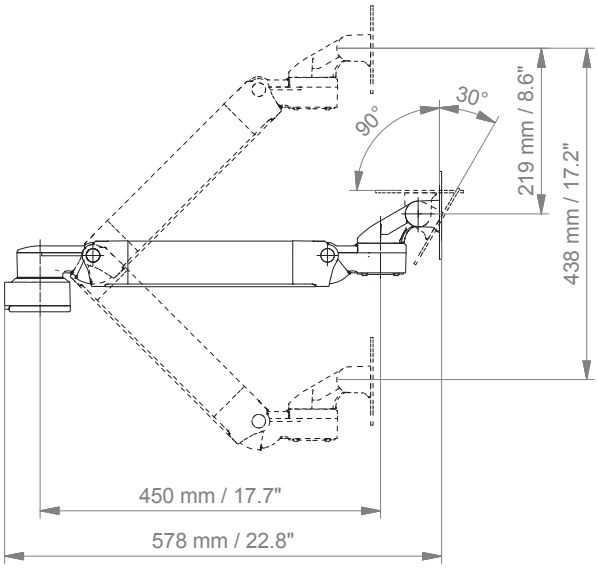


9
Adapter for ITD mounting channel

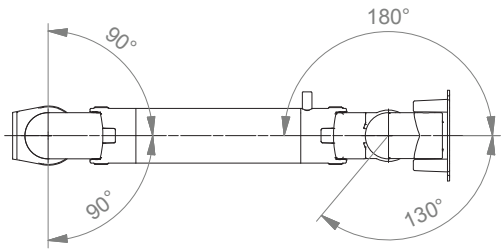
Height adjustable arm for BeneVision VMAX

Technical data

SIDE VIEW



TOP VIEW



Extended height adjustable arm for VMAX

MD



Monitor adaption	VESA 75/100
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	22 kg / 48.5 lbs
Max. load monitor adaptation	18 kg / 39.7 lbs
Product weight	4,8 kg / 10.6 lbs
Balancing range X	1300 N: VMAX 1750 N: VMAX with SMR (4 modules) mounted on down post 2200 N: VMAX with SMR (8 modules) mounted on down post
Part number	A-73130G-Y.CD_X

Fixings Y details page 29



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

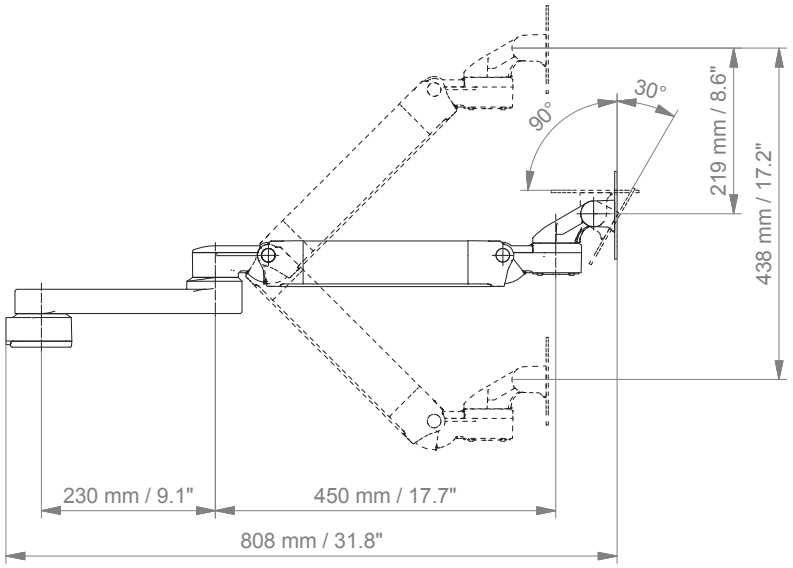


9
Adapter for ITD mounting channel

Extended height adjustable arm for VMAX

Technical data

SIDE VIEW



TOP VIEW

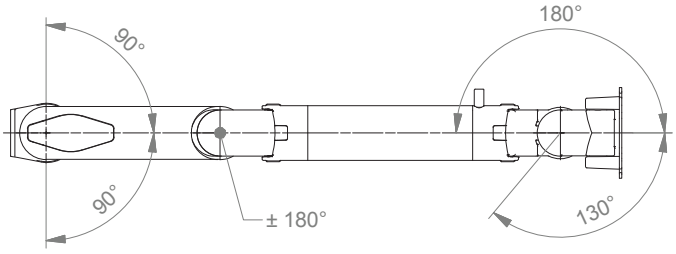


Table column for BeneVision VMAX

MD



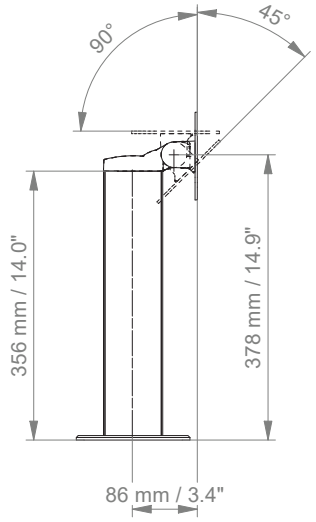
Monitor adaption	VESA 75/100
Colours to choose CD	decorative parts RAL 5013 cobalt blue / RAL 7024 graphite grey aluminum parts RAL 9016 traffic white / RAL 9002 grey white
Max. load monitor adaptation	18 kg / 39.7 lbs
Part number	Counter top with base plate to mount to desk or even surfaces (see illustration) T-CG-60.CD_350 height 350 mm / 13.8”
	Counter top free-standing T-CG-62.CD_350 height 350 mm / 13.8”

All free-standing counter tops have to be tip-tested for stability depending on the weight of the monitor!

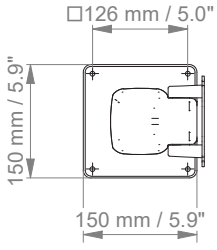
Table column for BeneVision VMAX

Technical data - with base plate

SIDE VIEW



TOP VIEW



Support arm pivot with ergonomic W-bracket for BeneVision VMAX with keyboard / mouse

MD



Monitor / keyboard adaption	W-bracket VESA 75/100 and keyboard / mouse tray
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	arm type 240: 3.4 - 5.0 kg / 7.5 - 11.0 lbs arm type 300: 3.6 - 5.1 kg / 7.9 - 11.2 lbs (according to dimensions of keyboard tray)
Keyboard tray	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	arm type 240: A-224F-Y.CD_T arm type 300: A-230F-Y.CD_T

Fixings Y details page 29



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



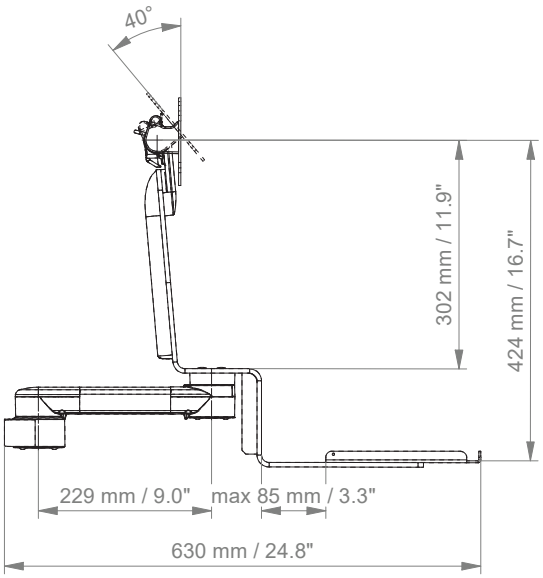
9

Adapter for ITD mounting channel

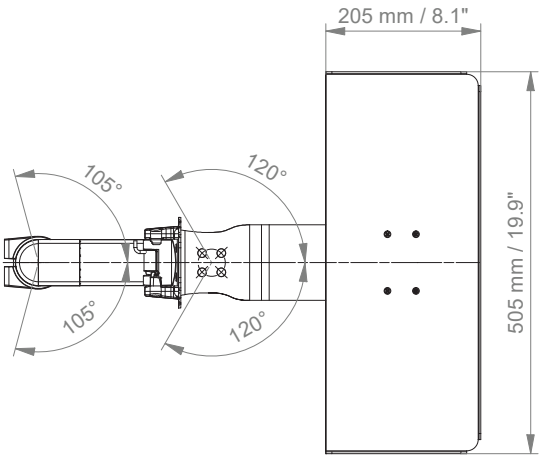
Support arm pivot with ergonomic W-bracket for BeneVision VMAX with keyboard / mouse

Technical data - arm type 300, keyboard tray 500 x 200 mm / 19.7 x 7.9”

SIDE VIEW



TOP VIEW



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

Fixings Y details page 29



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



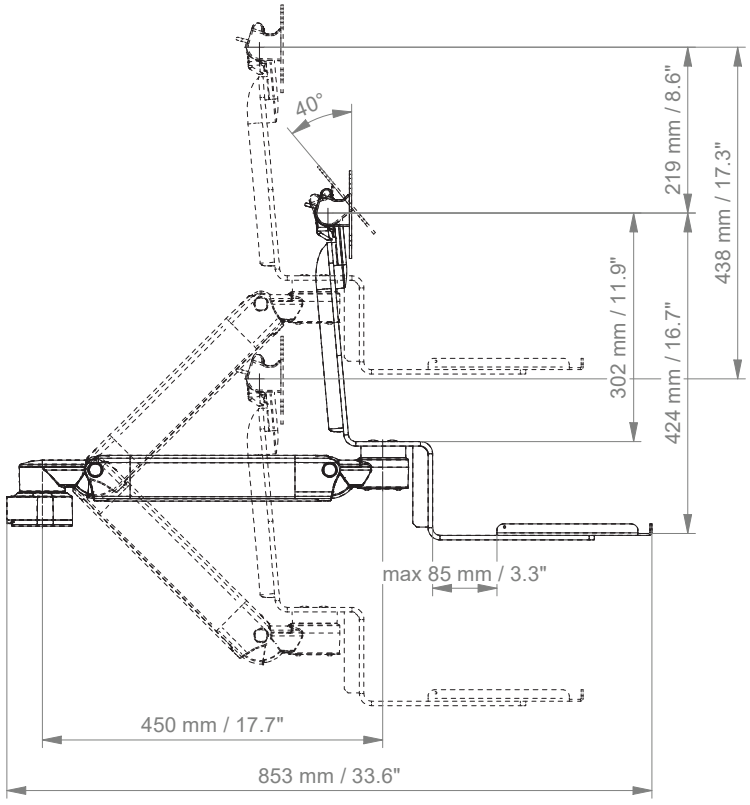
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Adapter for ITD mounting channel

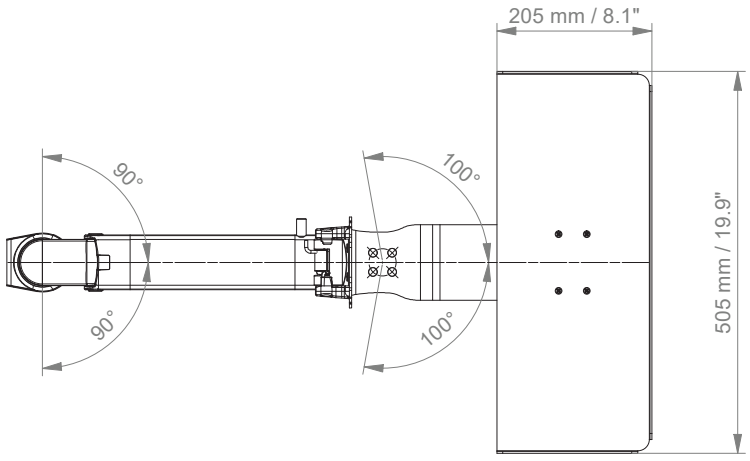
Height adjustable arm with ergonomic W-bracket for BeneVision VMAX with keyboard / mouse

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

SIDE VIEW



TOP VIEW



Extended height adjustable arm with 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	6.4 - 8.0 kg / 14.1 - 17.6 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-73130F-Y.CD_X_T

Fixings Y details page 29



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



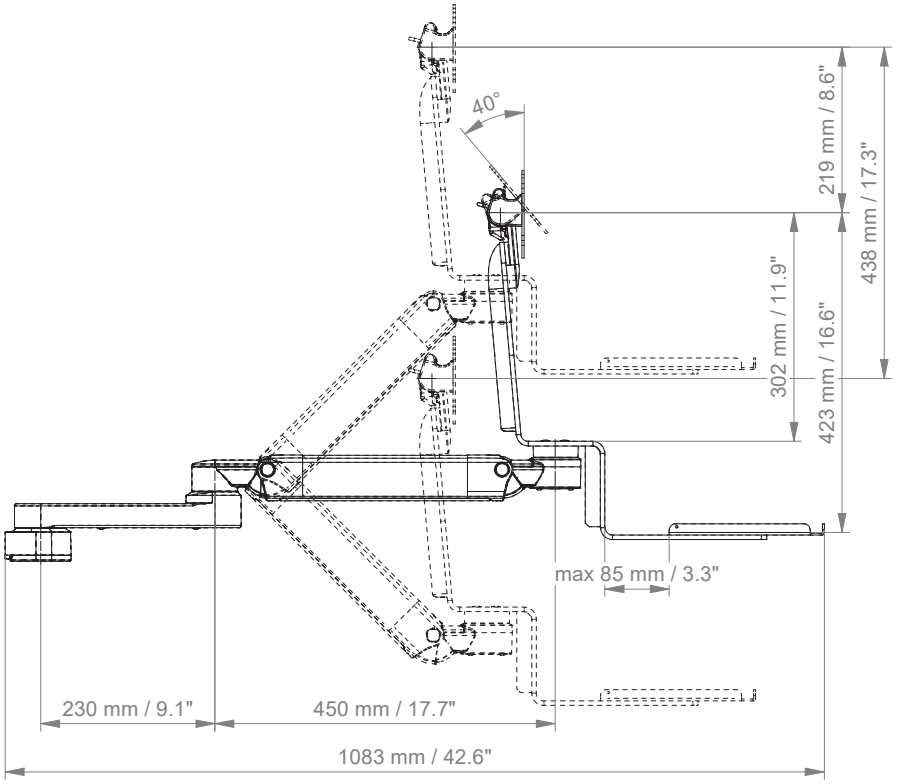
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Adapter for ITD mounting channel

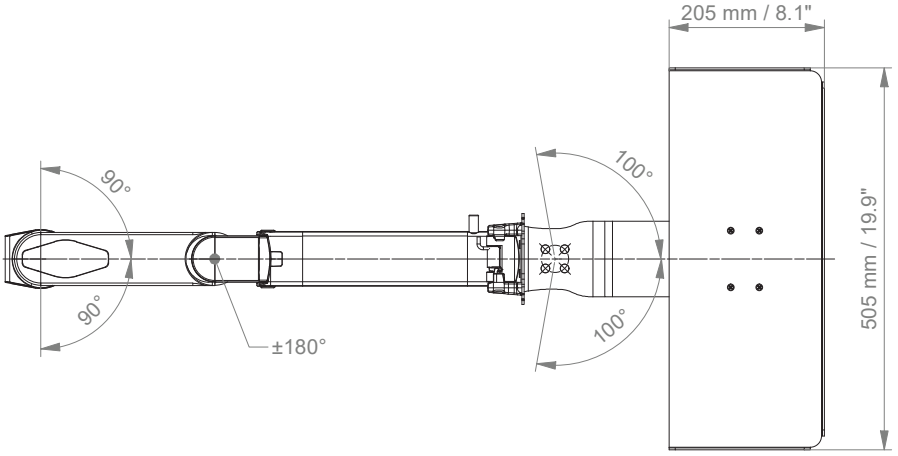
Extended height adjustable arm with W-bracket for BeneVision VMAX with keyboard / mouse

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

SIDE VIEW



TOP VIEW



Adapter plate quick release for SMR



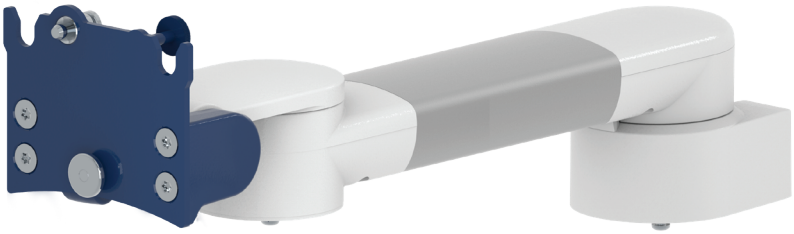
Adapter plate quick release (MD-QR-SMR.1)

The adapter plate matches the hole pattern of the SMR module housing and is included in the package. The adapter plate has to be ordered separately.
Product weight 0.2 kg / 0.4 lbs



Support arm pivot for SMR

MD



Monitor adaption	quick release base plate	
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	arm type 240	arm type 300
	1.6 kg / 3.5 lbs	1.8 kg / 4.0 lbs
Part number	arm type 240	arm type 300
	A-224Q-Y.CD	A-230Q-Y.CD
	MD-QR-SMR.1	quick release adapter plate SMR

Fixings Y details page 29



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



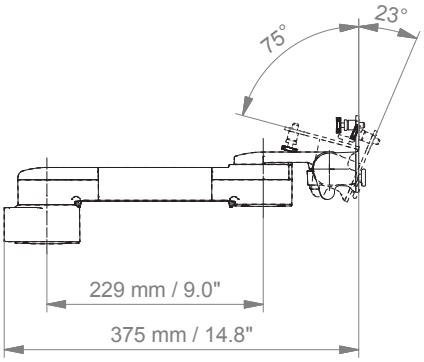
9

Adapter for ITD mounting channel

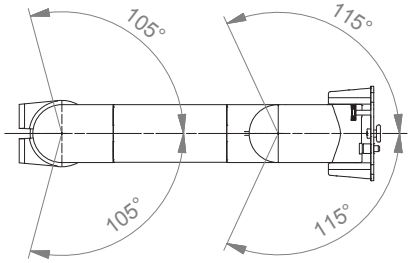
Support arm pivot for SMR

Technical data - arm type 300

SIDE VIEW

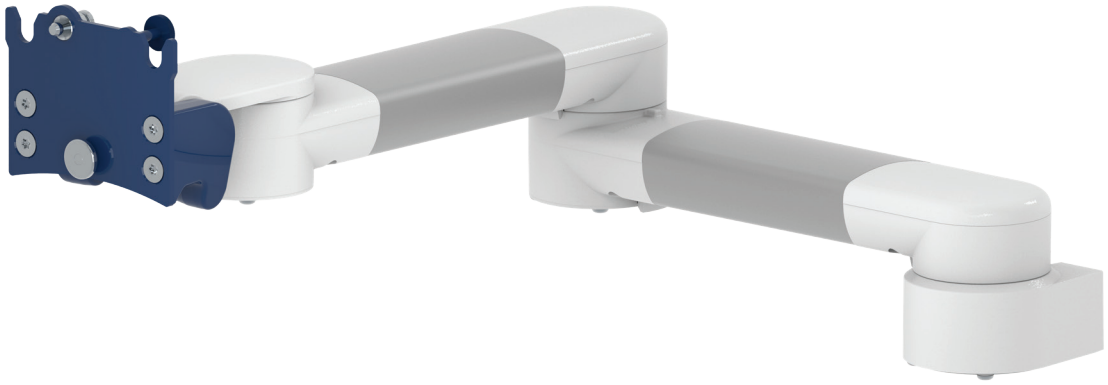


TOP VIEW



Extended pivot arm light duty for SMR

MD



Monitor adaption	quick release base plate	
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	8 kg / 17.6 lbs	
Max. load monitor adaptation	8 kg / 17.6 lbs	
Product weight	2.7 kg / 6.0 lbs	
Part number	A-33030Q-Y.CD	
	MD-QR-SMR.1	quick release adapter plate SMR

Fixings Y details page 29



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



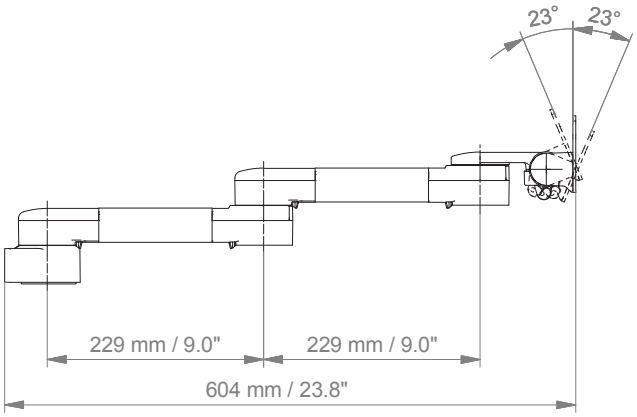
9

Adapter for ITD mounting channel

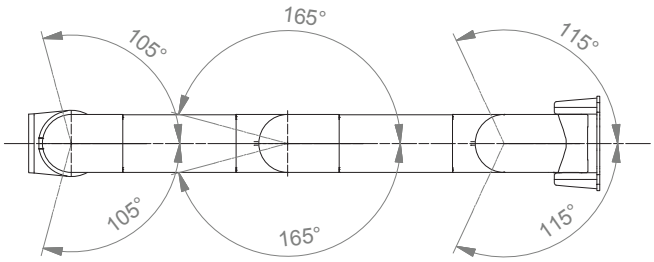
Extended pivot arm light duty for SMR

Technical data

SIDE VIEW



TOP VIEW



Down post for SMR



Part number

rotatable, to attach to non-height adjustable arms
including adapter plate quick release / SMR (page 23)
Z-DPR-SMR-70.gr1_300 length 300 mm / 11.8”
Z-DPR-SMR-70.gr1_400 length 400 mm / 15.8”

rotatable, to attach to height adjustable arms
including adapter plate quick release / SMR (page 23)
Z-DPR-SMR-71.gr1_300 length 300 mm / 11.8”
Z-DPR-SMR-71.gr1_400 length 400 mm / 15.8”

Fixings Y



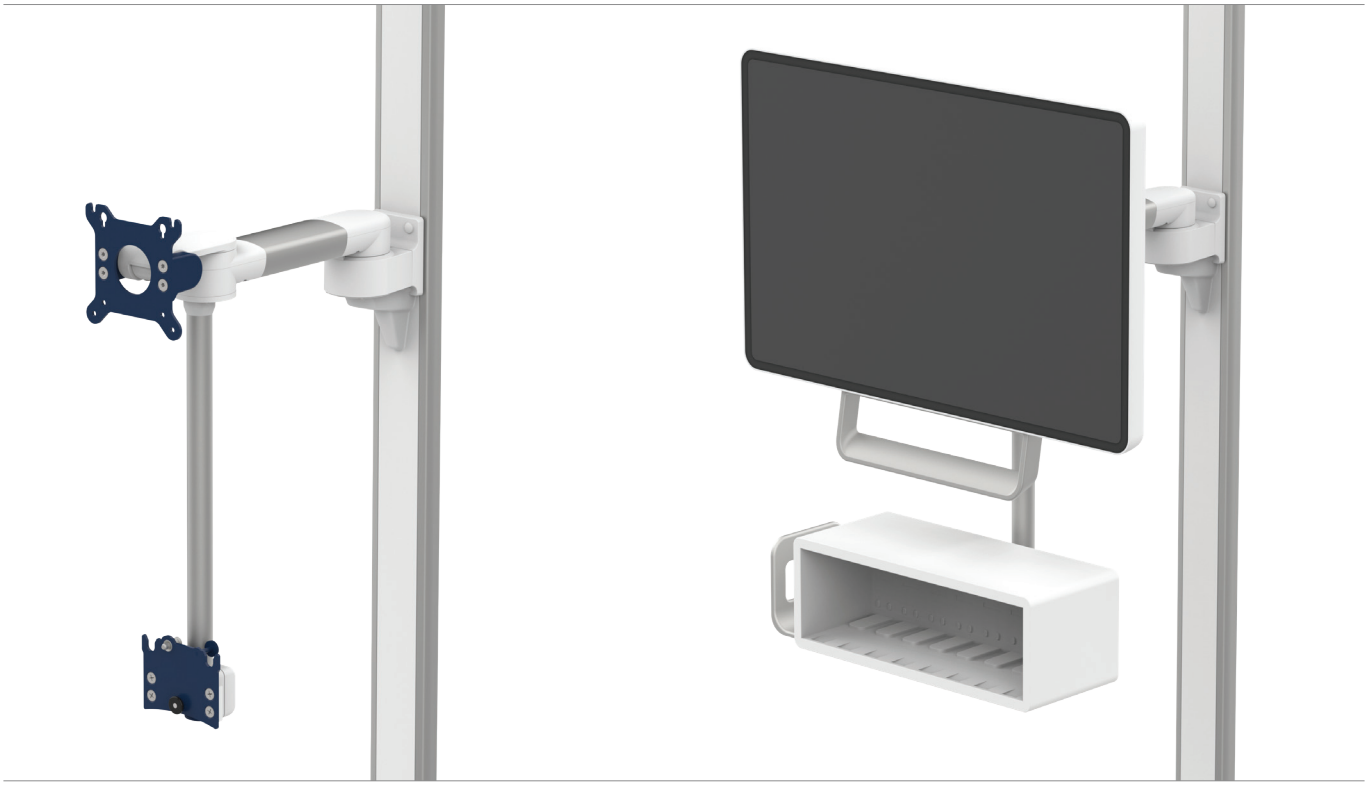
Illustration	Description	Notes	Weight	Part no.
	Adapter for vertical wall channel	To mount to CIM wall channel (compatible with GCX channel) Please order separately: CIM wall channel, see catalogue accessoires	0.6 kg / 1.3 lbs	4S
	Horizontal rail clamp	To mount to horizontal European rails 10 x 25, 8 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

Configuration examples



Mounting	Description	Part no.
BeneVision VMAX	CIM height adjustable arm with ergonomic W-bracket for monitor (VESA 75/100) and keyboard tray 580 x 200 mm / 22.8 x 7.9”	A-431F-4S.bl1_130_58
SMR	CIM pivot arm with SMR, arm length 300 mm / 11.8” Dual cable hook to mount underneath pivot arm	A-230SMR-4S.bl1 Z-KH2-70.1
Optional to order	CIM wall channel (including channel cover and end caps) L = 480 mm / 18.9” L = 720 mm / 28.4” L = 960 mm / 37.8”	 Z-WK.w_480 Z-WK.w_720 Z-WK.w_960

Configuration examples



Mounting	Description	Part no.
BeneVision VMAX	CIM pivot arm for monitor (VESA 75/100), arm length 230 mm / 9.1” Down post, length 400 mm / 15.8”, to mount SMR	A-230G-4S.bl1 Z-DPR-SMR-70.bl1_400
Optional to order	CIM wall channel (including channel cover and end caps) L = 480 mm / 18.9” L = 720 mm / 28.4” L = 960 mm / 37.8”	 Z-WK.w_480 Z-WK.w_720 Z-WK.w_960

CIM med GmbH

Euro-Industriepark
Margot-Kalinke-Str. 9
80939 Munich / Germany

T +49 89. 978 94 08-0

CIM med Inc.

University Executive Park
301 McCullough Drive, Suite 400
Charlotte NC, 28262 / USA

T +1 704 221 0721

info@cim-med.com
www.cim-med.com

Mindray Monitoring BeneVision VMAX_2026.01_EN

