



MOUNTING REFERENCE GUIDE

# Monitoring and PDMS Mounting Solutions for Mindray A8/A9

CIM Cable Integrated Mounting System



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## General notes

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### Product safety

CIM med® medical mounting solutions for anaesthesia machines are designed and tested to the most exacting of standards, are CE marked and adhere to the regulations (EU) 2017/745 (MDR). EN 60601-1 compliancy forms the basis of everything we do, to ensure that you and your customer get the safest, most beneficial solutions available in the world today.

Each arm is earthed back to the carts own earthing system. The arms can be restricted in movements to protect elements of the cart like rotameters, screens and cylinder manifolds. This also helps tip test conformity.

We have taken the time and effort to carry out all other testing such as static and dynamic load testing in combination with your anaesthesia cart. This is an essential part of medical compliance. We consider it our responsibility to ensure that the CIM configuration offered in this mounting reference guide, is tested, stable and safe. We will never supply you with a solution that is not 100% compliant. It is important that the maximum load carrying capacity for the anaesthesia machine as stated by the manufacturer, is not exceeded when using multiple configurations.


Please ask for a variety of TÜV-tested mounting solutions for anaesthesia applications. A declaration of conformity as well as the TÜV report can be provided on request: [enquiry@cim-med.com](mailto:enquiry@cim-med.com)

### Mounting positions

Monitoring and PDMS can be mounted on the left and on the right side of the Mindray A8/A9. Available configurations and possible loading may depend on the mounting side.

### Product marking

**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.

 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 functionality from the date of delivery.

## Product highlights

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### 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.

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.

**SAFETY**



## Monitor mount

# How to create part numbers



### 1. Choose the arm version required:

H33013	=	extended pivot arm heavy duty
431	=	height adjustable arm
73113	=	extended height adjustable arm

### 2. Choose the monitor adaptations required:

A	=	5" plunge plate
G	=	VESA 75/100
MD	=	Mindray quick release
PH	=	Philips table top mount
RR	=	infusion pump mount (only with H33013)

### 3. Choose the mounting side (Y):

4S-03L	=	Mindray A8/A9, left side
4S-03R	=	Mindray A8/A9, right side

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

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

### 5. Colour of the aluminium die-cast parts:

1	=	RAL 9016 (traffic white)
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### 6. Specify the spring depending on the weight of your monitor/ device - only with height adjustable arms (X):

60	=	2 - 5 kg / 4.4 - 11 lbs
95	=	4 - 9 kg / 8.8 - 19.8 lbs
110	=	4.5 - 12.5 kg / 9.9 - 27.6 lbs
130	=	7.5 - 13 kg / 16.5 - 28.7 lbs
160	=	12.5 - 19 kg / 27.6 - 41.9 lbs
175	=	13 - 16 kg / 28.7 - 35.3 lbs

## Example

Grounding		01 + 02 Arm version + Monitor adaption		03 Mounting side		04 + 05 Colour		06 Spring tension
MD	-	431A	-	Y	.	C1	-	X
MD	-	431A	-	4S-03L	.	bl1	-	95

## Bracket and keyboard tray

# How to create part numbers

### 1. Choose the arm version required:

H33013F	=	extended pivot arm heavy duty with W-bracket
73113F	=	extended height adjustable arm with W-bracket

### 2. Choose the mounting side (Y):

4S-03L	=	Mindray A8/A9, left side
4S-03R	=	Mindray A8/A9, right side

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

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

### 4. Colour of the aluminium die-cast parts:

1	=	RAL 9016 (traffic white)
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### 5. Specify the spring depending on the weight of your monitor/ device - only with height adjustable arms (X):

95	=	2.5 - 5.5 kg / 5.5 - 12.1 lbs
110	=	3.5 - 9.5 kg / 7.7 - 20.9 lbs
130	=	6 - 10 kg / 13.2 - 22 lbs
160	=	8 - 16 kg / 17.6 - 35.3 lbs
175	=	11 - 14 kg / 24 - 30.9 lbs

### 6. Specify the requested size of the keyboard tray (T):






30	=	300 x 210 mm / 11.8 x 8.3"
40	=	400 x 150 mm / 15.7 x 5.9"
50	=	500 x 200 mm / 19.7 x 7.9"
58	=	580 x 200 mm / 22.8 x 7.9"





## Example

Grounding		01 Arm version		02 Mounting side		03 + 04 Colour		05 Spring tension		06 Keyboard tray
MD	-	73113F	-	Y	.	C1	-	X	-	T
MD	-	73113F	-	4S-03R	.	bl1	-	95	-	30

## Load capacity support arm and monitor adaptation

	5" PLUNGE PLATE	VESA 75/100	MINDRAY QUICK RELEASE	PHILIPS TABLE TOP MOUNT	INFUSION PUMP MOUNT
					
LEFT SIDE					
Arm version	<b>H33013A</b>	<b>H33013G</b>	<b>H33013MD</b>	<b>H33013PH</b>	<b>H33013RR</b>
Max. load capacity support arm	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	22.5 kg / 49.6 lbs
Max. load monitor adaptation	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	
Product weight	3.3 kg / 7.3 lbs	3.4 kg / 7.5 lbs	3.3 kg / 7.3 lbs	3.2 kg / 7.1 lbs	2.8 kg / 6.2 lbs
Arm version	<b>431A</b>	<b>431G</b>	<b>431MD</b>	<b>431PH</b>	
Max. load capacity support arm	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	
Max. load monitor adaptation	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	
Product weight	4.4 kg / 9.8 lbs	4.3 kg / 9.5 lbs	4.4 kg / 9.8 lbs	4.3 kg / 9.5 lbs	
Arm version	<b>73113A</b>	<b>73113G</b>	<b>73113MD</b>	<b>73113PH</b>	
Max. load capacity support arm	13.0 kg / 28.7 lbs	13.0 kg / 28.7 lbs	13.0 kg / 28.7 lbs	13.0 kg / 28.7 lbs	
Max. load monitor adaptation	13.0 kg / 28.7 lbs	13.0 kg / 28.7 lbs	13.0 kg / 28.7 lbs	13.0 kg / 28.7 lbs	
Product weight	5.2 kg / 11.5 lbs	5.1 kg / 11.3 lbs	5.2 kg / 11.5 lbs	5.0 kg / 11.0 lbs	
RIGHT SIDE					
Arm version	<b>H33013A</b>	<b>H33013G</b>	<b>H33013MD</b>	<b>H33013PH</b>	<b>H33013RR</b>
Max. load capacity support arm	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	21.0 kg / 46.3 lbs
Max. load monitor adaptation	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	18.0 kg / 39.7 lbs	
Product weight	3.3 kg / 7.3 lbs	3.4 kg / 7.5 lbs	3.3 kg / 7.3 lbs	3.2 kg / 7.1 lbs	2.8 kg / 6.2 lbs
Arm version	<b>431A</b>	<b>431G</b>	<b>431MD</b>	<b>431PH</b>	
Max. load capacity support arm	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	
Max. load monitor adaptation	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	16.0 kg / 35.3 lbs	
Product weight	4.4 kg / 9.8 lbs	4.3 kg / 9.5 lbs	4.4 kg / 9.8 lbs	4.3 kg / 9.5 lbs	
Arm version	<b>73113A</b>	<b>73113G</b>	<b>73113MD</b>	<b>73113PH</b>	
Max. load capacity support arm	13.5 kg / 29.8 lbs	13.5 kg / 29.8 lbs	13.5 kg / 29.8 lbs	13.5 kg / 29.8 lbs	
Max. load monitor adaptation	13.5 kg / 29.8 lbs	13.5 kg / 29.8 lbs	13.5 kg / 29.8 lbs	13.5 kg / 29.8 lbs	
Product weight	5.2 kg / 11.5 lbs	5.1 kg / 11.3 lbs	5.2 kg / 11.5 lbs	5.0 kg / 11.0 lbs	

## Load capacity support arm and monitor adaptation

	W-BRACKET	W-BRACKET
		
LEFT AND RIGHT SIDE		
Arm version	<b>H33013F</b>	<b>73113F</b>
Max. load capacity support arm	18.0 kg / 39.7 lbs	12.5 kg / 27.6 lbs
Max. load monitor adaptation	18.0 kg / 39.7 lbs	12.5 kg / 27.6 lbs
Product weight *	5.0 - 5.4 kg / 11.0 - 11.9 lbs	6.7 - 7.1 kg / 14.8 - 15.7 lbs

\*) according to dimensions of keyboard tray

Bracket with keyboard fold-up function on request.



## Monitor mount

# Extended pivot arm heavy duty

### Monitor adaption, weights & loads

see page 7

### Mounting side Y

see page 5

### Colours to choose C

decorative parts  
aluminum parts

RAL 5013 cobalt blue / RAL 7024 graphite grey  
RAL 9016 traffic white

### Part numbers

MD-H33013A-Y.C1	5" plunge plate
MD-H33013G-Y.C1	VESA 75/100
MD-H33013MD-Y.C1	Mindray quick release
MD-H33013PH-Y.C1	Philips table top mount
MD-H33013RR-Y.C1	infusion pump mount

**NOTE:** The arm can be mounted either on the left or right side of the anaesthesia machine.  
The load capacity can vary depending on which side the arm is mounted to.



**MD**

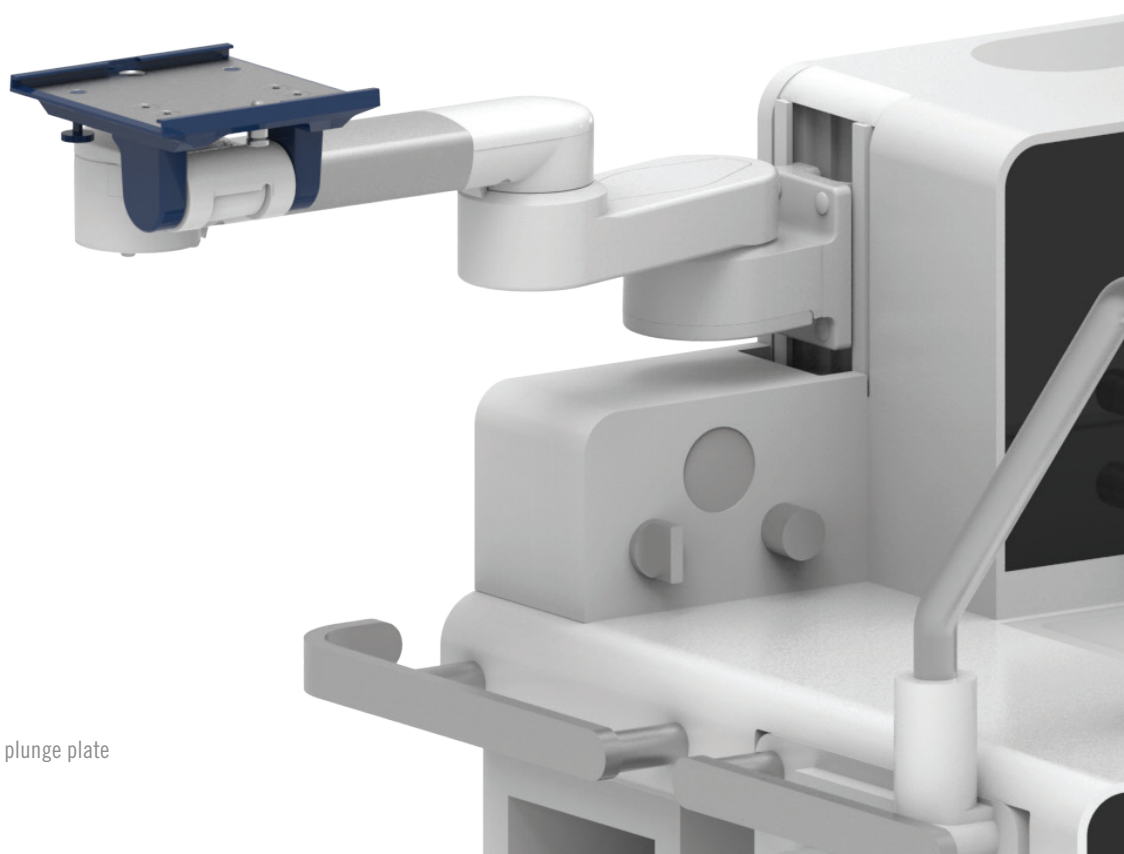


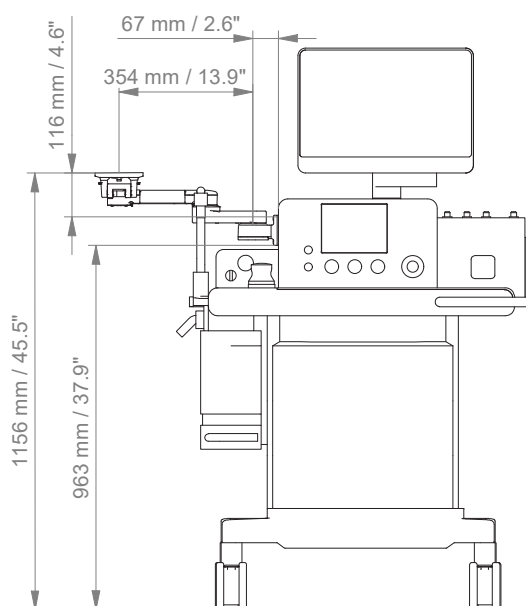
Illustration shown with 5" plunge plate

## Monitor mount

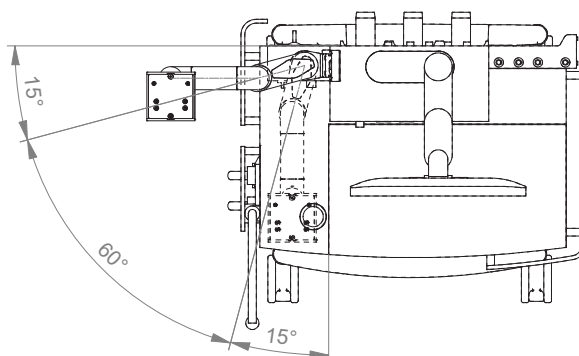
# Extended pivot arm heavy duty

## Technical data

### FRONT VIEW



### TOP VIEW



## Monitor mount

# Height adjustable arm



**MD**

### Monitor adaption, weights & loads

see page 7

### Mounting side Y

see page 5

### Colours to choose C

decorative parts RAL 5013 cobalt blue / RAL 7024 graphite grey  
aluminum parts RAL 9016 traffic white

### Height adjustment

slow-flowing spring, parallel linkage for a constant viewing angle

### Balancing range X

600 N (2 - 5 kg / 4.4 - 11 lbs); 950 N (4 - 9 kg / 8.8 - 19.8 lbs); 1100 N (4.5 - 12.5 kg / 9.9 - 27.6 lbs);  
1300 N (7.5 - 13 kg / 16.5 - 28.7 lbs); 1600 N (12.5 - 19 kg / 27.6 - 41.9 lbs);  
1750 N (13 - 16 kg / 28.7 - 35.3 lbs)

### Part numbers

MD-431A-Y.C1_X	5" plunge plate
MD-431G-Y.C1_X	VESA 75/100
MD-431MD-Y.C1_X	Mindray quick release
MD-431PH-Y.C1_X	Philips table top mount

**NOTE:** The arm can be mounted either on the left or right side of the anaesthesia machine.  
The load capacity can vary depending on which side the arm is mounted to.

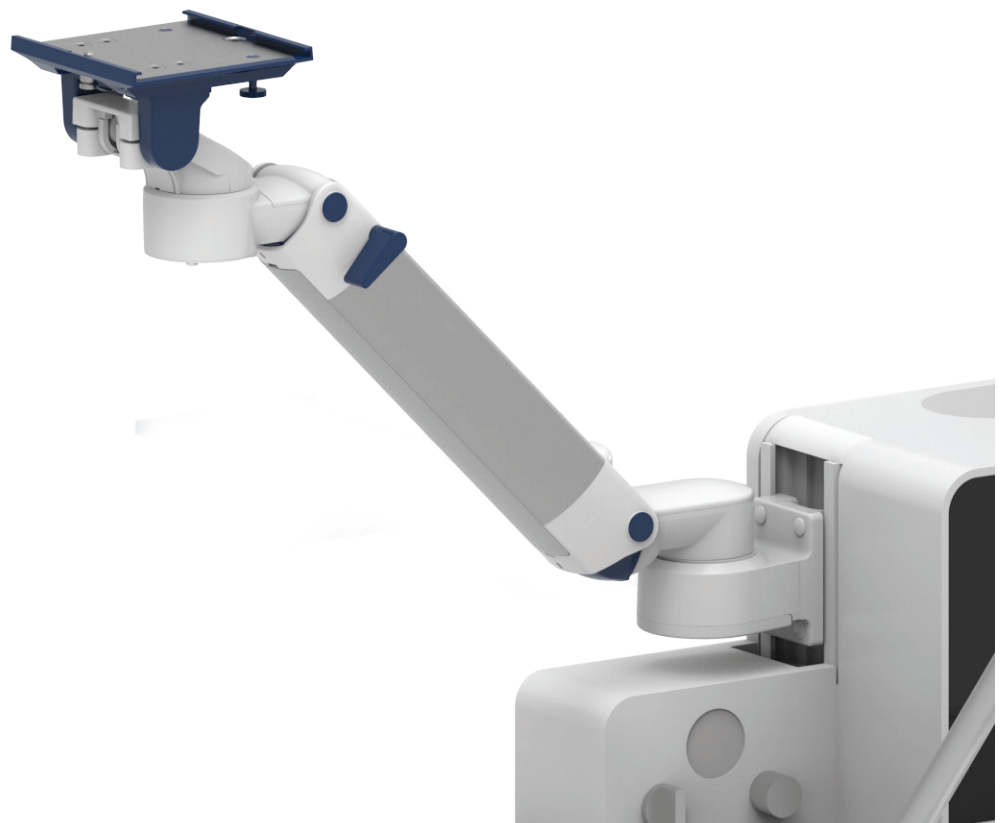


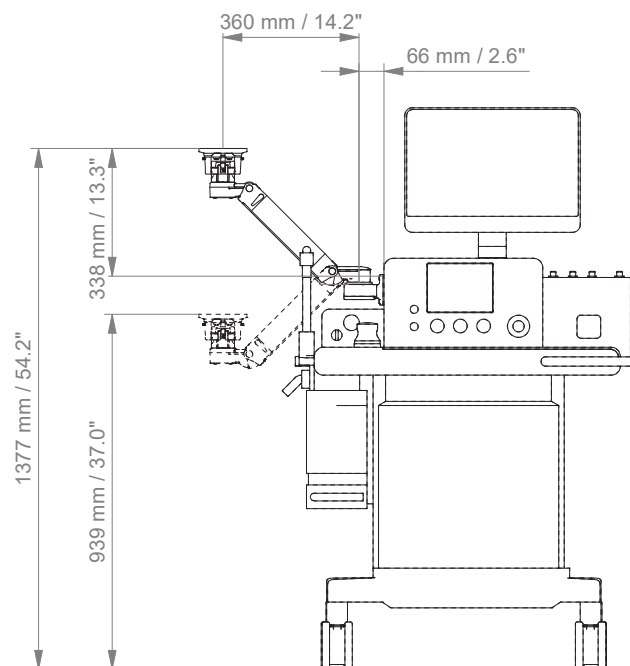
Illustration shown with 5" plunge plate

## Monitor mount

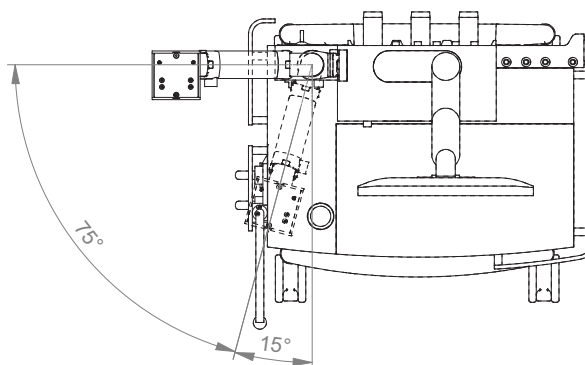
# Height adjustable arm

### Technical data

#### FRONT VIEW



#### TOP VIEW



## Monitor mount

# Extended height adjustable arm

### Monitor adaption, weights & loads

see page 7

### Mounting side Y

see page 5

### Colours to choose C

decorative parts RAL 5013 cobalt blue / RAL 7024 graphite grey  
aluminum parts RAL 9016 traffic white

### Height adjustment

slow-flowing spring, parallel linkage for a constant viewing angle

### Balancing range X

600 N (2 - 5 kg / 4.4 - 11 lbs); 950 N (4 - 9 kg / 8.8 - 19.8 lbs); 1100 N (4.5 - 12.5 kg / 9.9 - 27.6 lbs);  
1300 N (7.5 - 13 kg / 16.5 - 28.7 lbs); 1600 N (12.5 - 19 kg / 27.6 - 41.9 lbs)

### Part numbers

MD-73113A-Y.C1\_X 5" plunge plate  
MD-73113G-Y.C1\_X VESA 75/100  
MD-73113MD-Y.C1\_X Mindray quick release  
MD-73113PH-Y.C1\_X Philips table top mount

**NOTE:** The arm can be mounted either on the left or right side of the anaesthesia machine.  
The load capacity can vary depending on which side the arm is mounted to.



**MD**

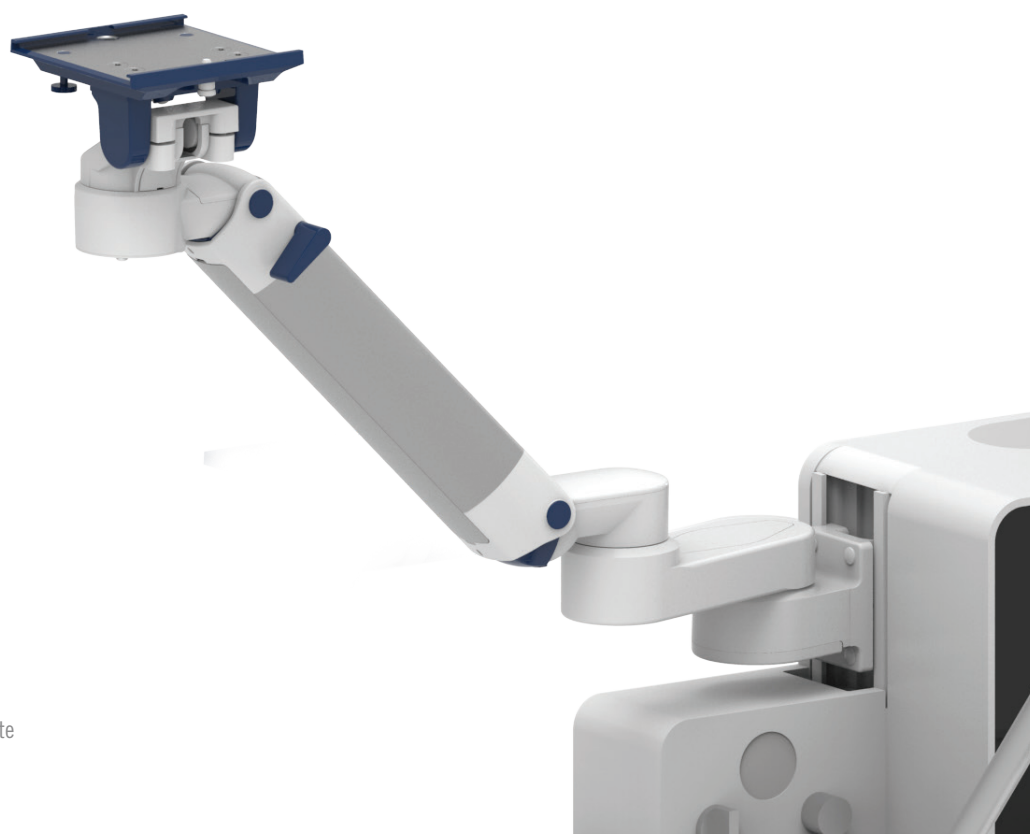


Illustration shown with 5" plunge plate

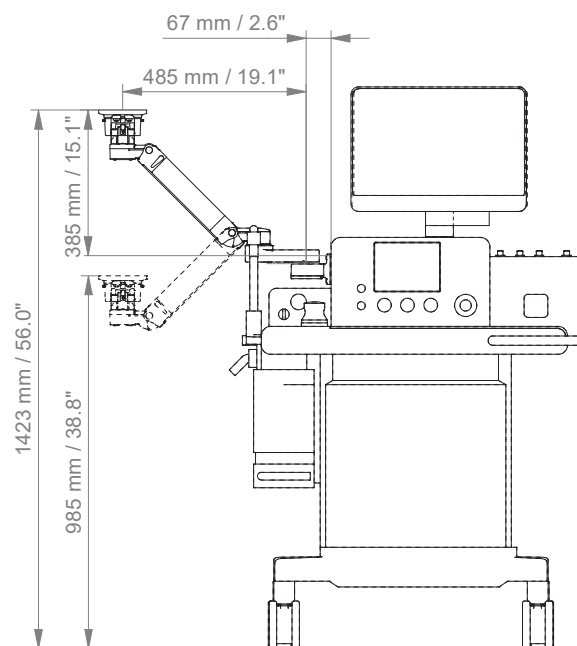


## Monitor mount

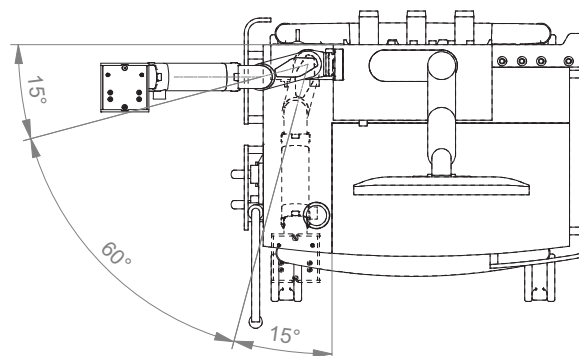
# Extended height adjustable arm

### Technical data

#### FRONT VIEW



#### TOP VIEW



## Bracket and keyboard tray

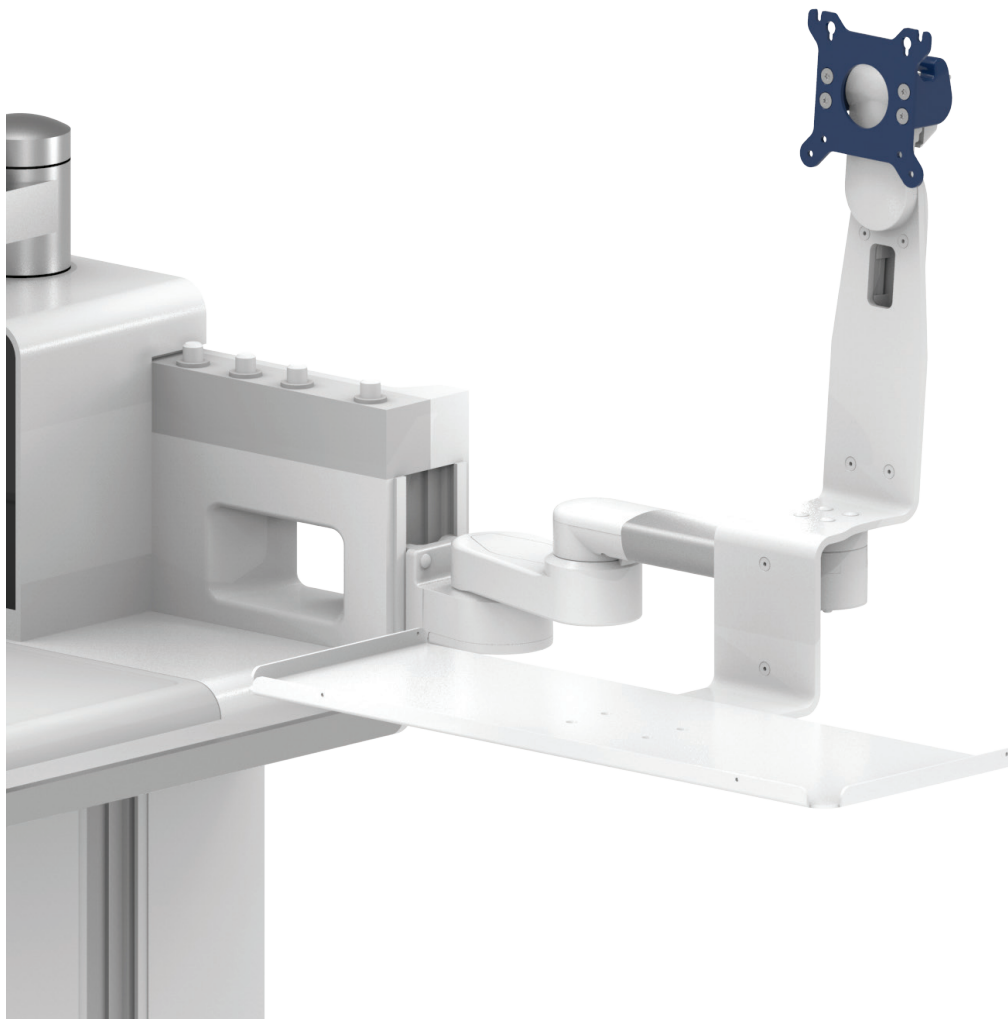
# Extended pivot arm heavy duty with W-bracket

Monitor/ keyboard adaption	W-bracket VESA 75/100 and keyboard / mouse tray bracket with keyboard fold-up funktion on request
Weights & loads	see page 8
Mounting side Y	see page 6
Colours to choose C	decorative parts RAL 5013 cobalt blue / RAL 7024 graphite grey aluminum parts RAL 9016 traffic white
Keyboard tray dimension T	300 x 210 mm, 400 x 150 mm, 500 x 200 mm, 580 x 200 mm 11.8 x 8.3", 15.7 x 5.9", 19.7 x 7.9", 22.8 x 7.9"
Part number	MD-H33013F-Y.C1_T



MD

**NOTE:** The arm can be mounted either on the left or right side of the anaesthesia machine.  
The load capacity can vary depending on which side the arm is mounted to.

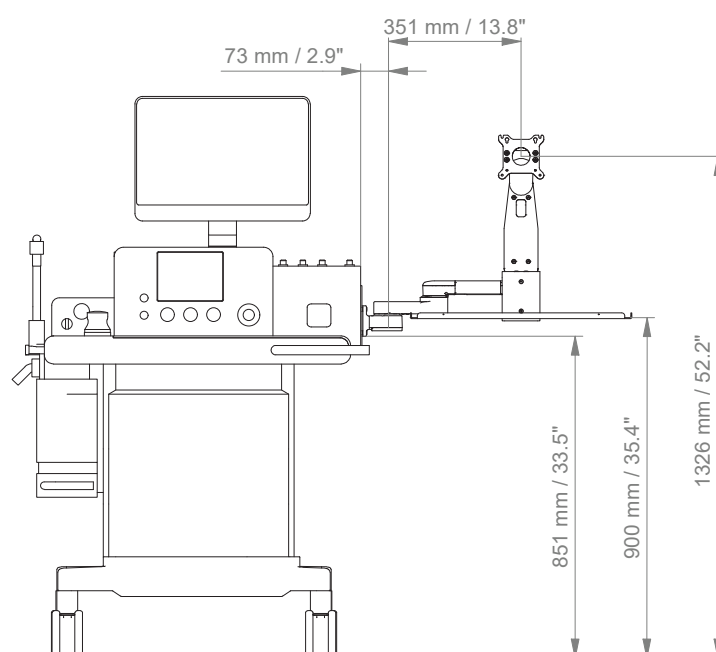


## Bracket and keyboard tray

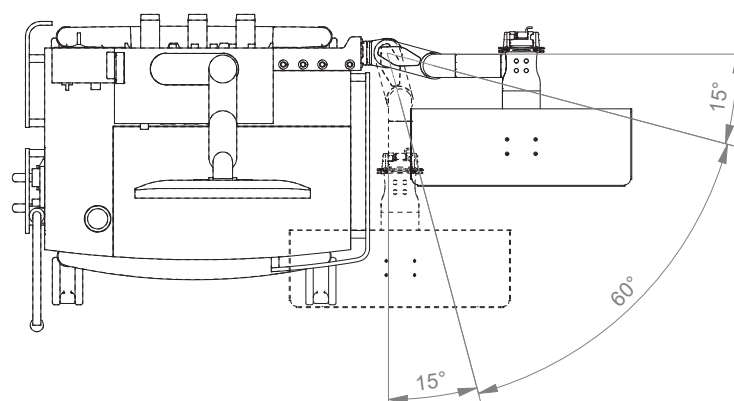
# Extended pivot arm heavy duty with W-bracket

## Technical data

### FRONT VIEW



### TOP VIEW



## Bracket and keyboard tray

# Extended height adjustable arm with W-bracket

### Monitor/ keyboard adaption

W-bracket VESA 75/100 and keyboard / mouse tray bracket with keyboard fold-up funktion on request

### Weights & loads

see page 8

### Mounting side Y

see page 6

### Colours to choose C

decorative parts RAL 5013 cobalt blue / RAL 7024 graphite grey  
aluminum parts RAL 9016 traffic white

### Height adjustment

slow-flowing spring, parallel linkage for a constant viewing angle

### Balancing range X

950 N (2.5 - 5.5 kg / 5.5 - 12.1 lbs); 1100 N (3.5 - 9.5 kg / 7.7 - 20.9 lbs);  
1300 N (6 - 10 kg / 13.2 - 22 lbs); 1600 N (8 - 16 kg / 17.6 - 35.3 lbs);  
1750 N (11 - 14 kg / 24 - 30.9 lbs)

### Keyboard tray dimension T

300 x 210 mm, 400 x 150 mm, 500 x 200 mm, 580 x 200 mm  
11.8 x 8.3", 15.7 x 5.9", 19.7 x 7.9", 22.8 x 7.9"

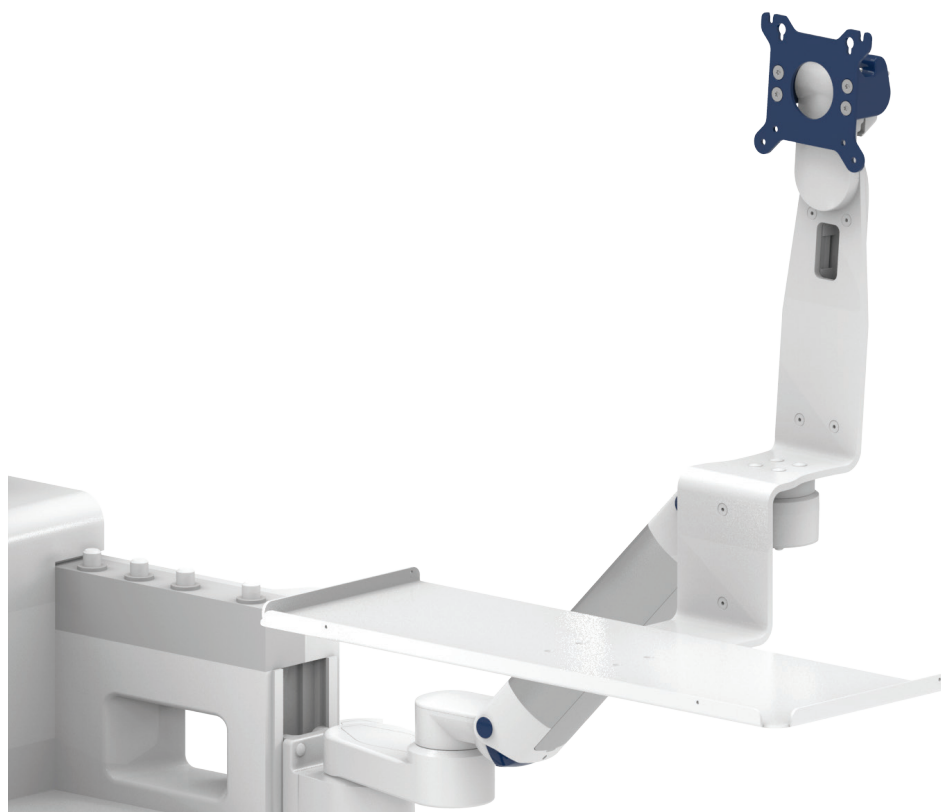
### Part number

MD-73113F-Y.C1\_X\_T



MD

**NOTE:** The arm can be mounted either on the left or right side of the anaesthesia machine.  
The load capacity can vary depending on which side the arm is mounted to.

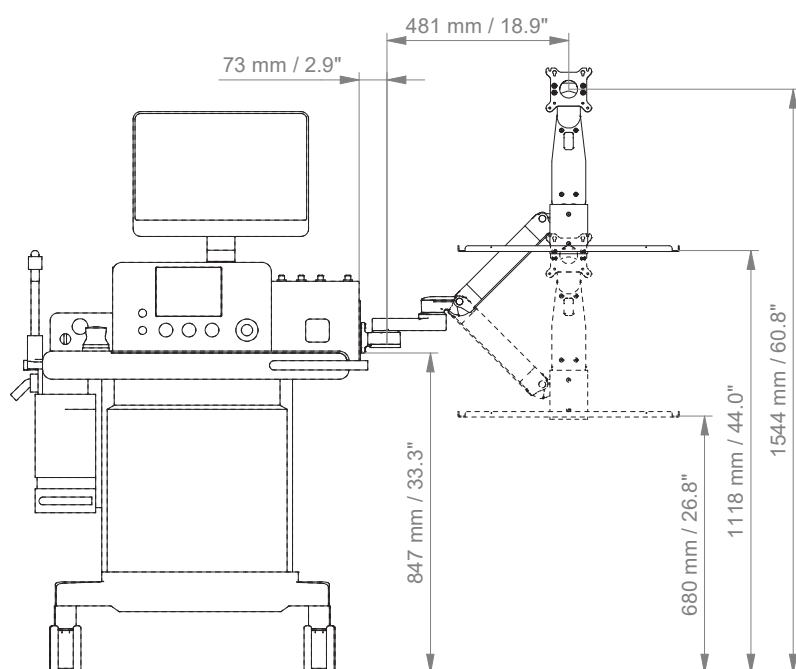


## Bracket and keyboard tray

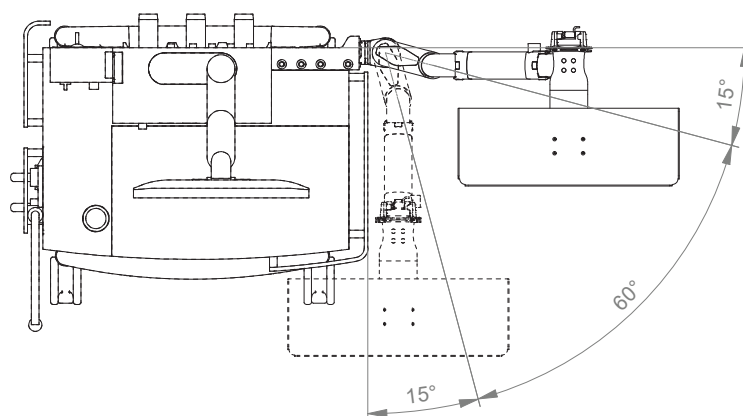
# Extended height adjustable arm with W-bracket

## Technical data

### FRONT VIEW



### TOP VIEW







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