High position height adjustable arm

Monitor adaption	prepared to accept Mindray mounting adapter
Height adjustment	slow-flowing spring, parallel linkage for a constant viewing angle
Colours to choose	decorative parts RAL 5013 blue / RAL 7024 dark grey
	aluminum parts RAL 9016 pure white / RAL 9002 grey white
Max. load capacity support arm	22 kg / 48.5 lbs
Max. load monitor adaptation	22 kg / 48.5 lbs
Product weight	3.6 kg / 7.9 lbs
Balancing range	600 N (2-5 kg / 5.5-11 lbs); 950 N (4-9 kg / 8.8-19.8 lbs); 1300 N (7,5-13 kg / 16.5-28.7 lbs); 1750 N (13-16 kg / 28.7-35.3 lbs); 2200 N (16-22 kg / 35.3-48.5 lbs
Part number	A-531MD-Y.CD_X

Fixings   Y

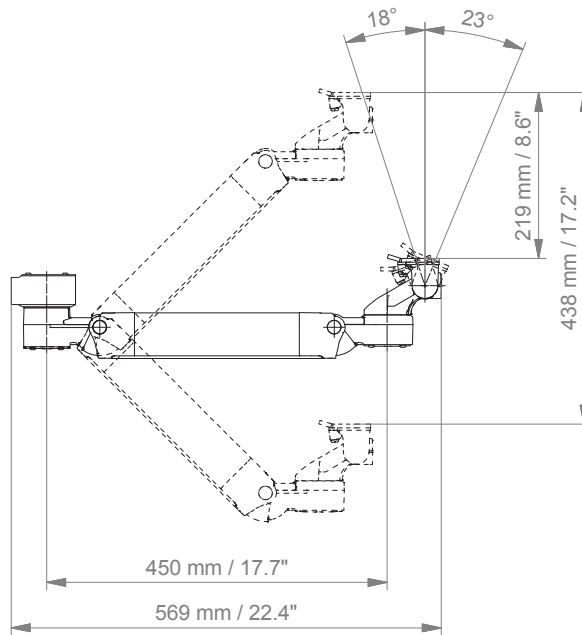| 4U	3	3DR 3TX	1 1F 1C 1V	13	17
Adapter for vertical wall channel	Vertical rail clamp	Dual vertical rail clamp	Fixed / universal pole clamp	Adapter for Mindray medical supply units	Adapter for Amico pendants & headwalls

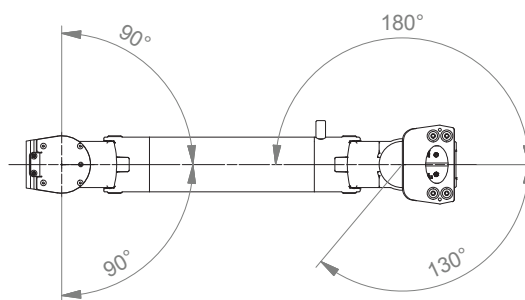# High position height adjustable arm

Technical data

SIDE VIEW

18° 23°

219 mm / 8.6"

438 mm / 17.2"

450 mm / 17.7"

569 mm / 22.4"

TOP VIEW

90°

180°

90°

130°

Fixings

Illustration	Description	Notes	Part. no.
	Adapter for vertical wall channel	To mount to CIM wall channel (compatible with GCX channel) For arms with high mounting positions Please order separately: CIM wall channel, see catalogue accessoires	4V 4U
	Fixed rail clamp	To mount to horizontal European rails 10 x 25, 8 x 35, 10 x 30, 10 x 50 mm	2F
	Vertical rail clamp	To mount to vertical European rail 10 x 25 mm	3
	Dual vertical rail clamp	To mount to two parallel vertical European rails 10 x 25, 8 x 35, 10 x 30, 10 x 50 mm Distance between rails 150 mm / 5.9", e.g. Dräger pendant Distance between rails 225 mm / 8.9", e.g. Trilux pendant	3DR 3TX
	Fixed pole clamp	To mount to pole ø 25 mm / 1.0" To mount to pole ø 35 mm / 1.4" To mount to pole ø 38 mm / 1.5"	1 1F 1C
	Universal pole clamp	V-block to mount to pole ø 23 - 40 mm / 0.9 - 1.6"	1V
	Adapter medical supply units	For Mindray medical supply units	13
	Adapter pendants & headwalls	For Amico pendants & headwalls	17

Fixings for anaesthesia machines

Illustration	Description	Notes	Part. no.
	Adapter for Maquet anaesthesia machines	Cone adapter for Maquet FLOW i	10
	Adapter for Löwenstein Medical anaesthesia machines	Adapter for Leon / Leon plus	9
	Adapter for anaesthesia machines (all suppliers)	H 80 mm / 3.1" With existing side channel	4K

If your anaesthesia machine does not have a side channel already mounted to the machine, please order the following in addition to 4K:

Illustration	Description	Notes	Part. no.
	Adapter for Dräger	Dräger Primus / Julian / Cato / Fabius GS / Zeus side channel adapter L 127 mm / 5" side channel adapter L 320 mm / 12.6"	DR-J01 DR-J02
	Adapter for GE	GE Avance / Aespire / Aestiva side channel adapter L 200 mm / 7.9"	DX-AES-01

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:**

   A   =   grounded

2. **Choose the arm version required:**

224MD / 230MD	=	support arm pivot
33030MD	=	extended pivot arm light
H33030MD	=	extended pivot arm
431MD	=	height adjustable arm
73130MD	=	extended height adjustable arm
531MD	=	high position height adjustable arm
83130MD	=	extended high position height adjustable arm

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"
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
3DR	=	dual vertical rails, distance 150 mm/ 5.9"
3TX	=	dual vertical rails, distance 225 mm/ 8.9"
4V	=	vertical wall channel
4U	=	vertical wall channel for arms with high mounting position
13	=	Mindray medical supply units
17	=	Amico pendants & headwalls
9	=	Löwenstein Medical anaestesia machine
10	=	Maquet FLOW i anaestesia machine
4K	=	anaestesia machine with existing channel

How to create part numbers

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

gr	=	RAL 7024 (dark grey)
bl	=	RAL 5013 (blue)

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

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

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
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

Example

01 Grounding		02 Arm version		03 Fixing		04 & 05 Colour		06 Spring tension
A	-	431MD	-	Y	.	CD	_	X
A	-	431MD	-	4V	.	gr1	_	95

General notes

Mounting adapter (quick release)

The monitor adaption is prepared to accept the mounting adapter from Mindray and is suitable for the following Mindray monitors: **T1, T5, T8, T9, iMEC series** and **iPM series**.

Please note that the mounting adapter (quick release) has to be ordered separately from Mindray. For descriptions and part numbers, please refer to catalogue: Monitor-specific mounting adapter Mindray.

5" Plunge plate

Please see mounting reference guide: 5" plunge plate adapation.
The 5" plunge plate is suitable for the following Mindray monitors: **T1, T5, T8** and **VS600/ 900**.
Please note that the mounting adapter has to be ordered separately from Mindray or CIM med®. For descriptions and part numbers, please refer to catalogue: Monitor-specific mounting adapter Mindray.

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 EN 60601-1, 3rd Edition regulations.

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** and they conform with the regulations MDD 93/42 ECC and EN 60601-1, 3rd Edition. TUEV reports for numerous products especially for anaesthesia applications guarantee electrical and mechanical safety of our products and are available upon request.

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.

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