

**EN**  **Caution**

To ensure safety, please read this manual carefully before installation and follow the instructions. Store this manual in a secure place for future reference.

The manufacturer shall not be legally responsible for any equipment damage or personal injury caused by incorrect installation or operation other than that covered in this manual.

The mount is designed for easy installation and removal. The manufacturer shall not be liable for damage to equipment or personal injuries arising out of human factors or acts of nature, such as earthquake or typhoon.

It is recommended that the mount be installed by qualified personnel only.

At least two persons are needed to install or remove the product to avoid hazard of falling objects.

\*Please carefully inspect the area where the mount is to be installed:

- Avoid places that are subject to high temperatures, humidity or contact with water.
- Do not install the product near air conditioning vents or areas with excess dust and fumes.
- Only install on vertical walls and avoid slanted surfaces.
- Do not install in places subject to any shock or vibration.
- Do not install in places subject to direct exposure to bright light, as it may cause eye fatigue when viewing the display panel.\*

Maintain sufficient space around the display to ensure adequate ventilation.

To ensure safe installation, first check the structure of the wall, ceiling or floor and select a secure mounting location.

The wall, ceiling or floor should be strong enough to sustain a weight of at least four times of the display and mount combined. The mounting location must be able to withstand earthquake or other strong shock.

Do not modify any accessories or use broken parts. Contact your dealer with any questions.

Tighten all screws (do not exert excessive force to avoid breaking the screw or damaging its thread).

Drill holes and bolts will be left in the wall, ceiling or floor once the display and bracket are removed. Stains may occur after extended use.

Since the manufacturer has no way to control the wall, ceiling or floor type and installation of the mount, the warranty of the product shall only cover the body of the mount. The warranty period of the product is 5 years.

Please consult the English language manual for any dispute on conditions.

**FR**  **Attention**

Afin d'assurer votre sécurité, nous vous prions de bien lire le manuel avant l'installation et de suivre attentivement les instructions qui y sont incluses. Conservez ce manuel dans un endroit sûr comme référence.

Le fabricant ne sera tenu légalement responsable d'aucun dommage à l'équipement ou de blessure corporelle causés par une mauvaise installation ou une utilisation de l'équipement autre que celle décrite au sein du présent manuel.

Le support de fixation murale est conçu de façon à faciliter l'installation et le déplacement. Le fabricant ne sera tenu responsable d'aucun dommage à l'équipement ou de blessure corporelle découlant d'erreur humaine ou de cas de force majeure, tels un tremblement de terre ou un typhon.

Il est recommandé de ne permettre qu'au personnel qualifié d'installer le support.

L'installation ou le déplacement du produit doit être fait par un minimum de deux personnes afin d'éviter les dangers potentiels causés par une chute.

\*Nous vous prions d'inspecter soigneusement l'emplacement où le support sera installé:

- Évitez les endroits soumis à des températures élevées, à l'humidité ou au contact de l'eau.
- N'installez pas le produit près de bouches d'air climatisé ou dans des endroits avec beaucoup de poussière ou de vapeurs toxiques.
- N'installez que sur des murs verticaux et évitez les surfaces inclinées.
- N'installez pas dans des endroits avec des chocs ou des vibrations.
- N'installez pas dans endroits exposés à des lumières fortes, cela pourrait causer la fatigue visuelle lors de l'observation du panneau d'affichage.\*

Laissez un espace suffisant autour de l'écran pour une ventilation adéquate.

Afin d'assurer la sécurité et la prévention des accidents, il est impératif de vérifier la structure du mur, du plafond ou du sol et de choisir un endroit solide avant de l'installer.

Le mur, le plafond ou le sol doit être assez suffisamment solide pour soutenir un poids quatre fois supérieur à celui du poids combiné de l'écran et du support ensemble. L'emplacement du montage doit pouvoir survivre à un tremblement de terre ou autre choc intense.

Ne modifier aucun accessoire et n'utilisez pas de pièces cassées. Contactez votre revendeur pour toute question.

Resserrez toutes les vis (n'utilisez pas de force excessive pour éviter d'abîmer les vis ou le filetage).

Les trous de perçage et les écrous resteront dans le mur lorsque vous déplacez l'écran et le support. Des taches peuvent apparaître après une longue utilisation.

Puisque le fabricant ne peut en aucun cas contrôler le type de mur et la qualité de l'installation du support, la garantie du produit ne couvre que le support de fixation murale. La période de garantie du produit est de 5 ans.

Veillez consulter le manuel en anglais pour tout litige sur les conditions.

**DE**  **Vorsicht**

Lesen Sie bitte vor der Installation das Handbuch sorgfältig durch und befolgen Sie alle Anweisungen, um die Sicherheit zu gewährleisten. Bewahren Sie das Handbuch auf, damit Sie jederzeit darin nachlesen können.

Der Hersteller haftet für keine Geräte- oder Personenschäden, die durch unsachgemäße Installation oder Bedienung, die nicht in diesem Handbuch beschrieben ist, entstanden sind.

Die Montage ist für eine einfache Installation und Demontage ausgelegt. Der Hersteller haftet nicht für Geräte- oder Personenschäden, die durch menschliche Faktoren oder höhere Gewalt wie z.B. Erdbeben oder Orkan entstanden sind.

Wir empfehlen Ihnen die Halterung nur von einem qualifizierten Techniker installieren zu lassen.

Die Installation oder Demontage des Produkts muss von mindestens zwei Personen ausgeführt werden, um zu vermeiden, daß Gegenstände herunterfallen.

\*Bitte prüfen Sie die Stelle, wo die Halterung installiert werden soll, sorgfältig:

- Vermeiden Sie Stellen mit hohen Temperaturen oder Feuchtigkeit bzw. Stellen, die mit Wasser in Kontakt kommen können.
- Installieren Sie das Produkt nicht in der Nähe von Klimaanlageöffnungen oder an einer Stelle, wo es übermäßige Staub und Rauch gibt.
- Montieren Sie das Produkt nur an eine vertikale Wand. Vermeiden Sie schräge Oberflächen.
- Installieren Sie das Produkt nicht an einer Stelle, an der es Erschütterungen oder Schwingungen ausgesetzt ist.
- Installieren Sie das Produkt nicht an einer Stelle mit direkter Sonneneinstrahlung bzw. starkem Licht. Dies fördert beim Anschauen der Bildschirmanzeige das Ermüden der Augen.\*

Halten Sie um das Anzeigegerät ausreichend Freiraum, um eine gute Belüftung zu gewähren.

Um die Sicherheit zu gewähren und Unfälle zu vermeiden, ist es notwendig, vor der Installation die Wand-, Decken- oder Bodenstruktur zu überprüfen bzw. eine sichere Stelle auszuwählen.

Die Wand, Decke oder der Boden muss stark genug sein, um ein Gewicht von mindestens dem Vierfachen des Gesamtgewichts des Anzeigegerätes und des Montagesets zu tragen. Der Montageort muss in der Lage sein, Erdbeben oder sonstige starke Erschütterungen standzuhalten.

Modifizieren Sie keine Zubehörtteile. Verwenden Sie keine beschädigten Teile. Wenden Sie sich an Ihren Händler, wenn Sie Fragen haben.

Ziehen Sie alle Schrauben fest. Wenden Sie nicht zu viel Kraft an, um ein Brechen der Schraube oder Beschädigen des Gewindes zu vermeiden.)

Die Bohrungen und die Schrauben bleiben an der Wand, Decke oder am Boden sichtbar, wenn das Anzeigegerät und das Montageset entfernt wird. Nach längerem Gebrauch kann ein Fleck bleiben.

Der Hersteller hat keinen Einfluss auf die Wand-, Decken- oder Bodenart und die Installation der Halterung. Deshalb deckt die Garantie des Produkts nur die Halterung selbst ab. Die Garantie des Produkts gilt für 5 Jahre.

Bitte ziehen Sie die englische Version des Handbuchs zu Rate, falls es Unstimmigkeiten hinsichtlich der Bedingungen gibt.

**ES**  **Precaución**

Para garantizar su seguridad, lea este manual cuidadosamente antes de la instalación y siga las instrucciones. Conserve este manual en un lugar seguro para futuras consultas.

El fabricante no será legalmente responsable de ningún daño producido sobre el equipo o lesión personal causada por una instalación o uso no mencionado explícitamente en este manual.

El soporte está diseñado para una fácil instalación y extracción. El fabricante no será responsable por daños al equipo o lesiones personales que surjan de factores humanos o actos de la naturaleza, como terremotos o tifones.

Se recomienda que el soporte sea instalado solo por personal cualificado.

Para evitar que se caiga el producto, la instalación o retirada deberá ser realizada por al menos dos personas.

\*Inspeccione detenidamente el área donde se instalará el soporte:

- Evite los lugares sometidos a altas temperaturas, humedad o contacto con el agua.
- No instale el producto cerca de ventiladores de aire acondicionado o áreas con exceso de polvo y humos.
- Instalar solo en paredes verticales y evitar superficies inclinadas.
- No instale en lugares sujetos a golpes o vibraciones.
- No instale en lugares sometidos a la exposición directa a la luz brillante, ya que puede causar fatiga ocular al ver el panel de la pantalla.\*

Mantenga suficiente espacio alrededor de la pantalla para asegurar una ventilación adecuada.

Para garantizar una instalación segura, primero verifique la estructura de la pared, el techo o el piso y seleccione una ubicación de montaje segura.

La pared, el techo o el piso deben ser lo suficientemente fuertes para sostener un peso de al menos cuatro veces la pantalla y el montaje combinados. La ubicación de montaje debe ser capaz de resistir un terremoto o otro golpe fuerte.

No modifique ningún accesorio ni utilice componentes deteriorados. Póngase en contacto con su distribuidor si tiene alguna duda.

Apriete todos los tornillos (no ejerza demasiada fuerza para evitar que se roma el tornillo o se dañe la rosca).

Mantenga los orificios y los pernos en la pared, techo o suelo después de retirar la pantalla y el soporte. Podrían quedar manchas después de un uso prolongado.

Dado que el fabricante no tiene forma de controlar el tipo de pared, techo o piso y la instalación del soporte, la garantía del producto solo cubrirá el cuerpo del soporte. El periodo de garantía del producto es de 5 años.

Consulte el manual en inglés si tiene alguna duda acerca de las condiciones.

**IT**  **Attenzione**

Per garantire la sicurezza, leggere attentamente questo manuale prima di effettuare l'installazione e seguire le istruzioni qui contenute. Conservare questo manuale in un luogo sicuro per riferimenti futuri.

Il produttore non deve essere ritenuto responsabile legalmente per qualsiasi danno all'apparecchio o lesione alla persona provocati da installazione non corretta o funzionamento diverso da quello riportato nel seguente manuale.

Il montaggio a parete è stato ideato per una facile installazione e rimozione. Il produttore non sarà responsabile per danni all'apparecchio o per lesioni alla persona derivanti da fattori umani o eventi naturali, come tifoni o terremoti.

Si consiglia di far installare la staffa per il montaggio solo da personale qualificato.

Per installare o rimuovere il prodotto sono necessarie almeno due persone per evitare rischi o la caduta di oggetti.

\*Controllare attentamente l'area dove va effettuato il montaggio:

- Evitare luoghi soggetti a temperature alte, umidità o contatto con l'acqua.
- Non installare il prodotto accanto a uscite di ventilazione di aria condizionata o aree con polvere o fumi eccessivi.
- Installare solo su pareti verticali, evitare superfici inclinate.
- Non installare in luoghi soggetti a urti o vibrazioni.
- Non installare in luoghi soggetti a esposizione diretta alla luce, in quanto si potrebbe provocare sfaticamento agli occhi durante la visualizzazione del pannello.\*

Mantenere spazio sufficiente intorno al monitor per garantire una adeguata ventilazione.

Per garantire la sicurezza e per prevenire incidenti, è necessario, prima di eseguire l'installazione, controllare la struttura della parete, soffitto o pavimento e scegliere un posizionamento sicuro.

La parete, soffitto o pavimento deve essere abbastanza forte per sostenere almeno quattro volte il peso del monitor e della staffa per il montaggio insieme. Il punto di montaggio deve essere in grado di sopportare terremoti o urti forti.

Non modificare gli accessori o utilizzare parti rotte. Contattare il rivenditore per qualsiasi domanda.

Stringere tutte le viti (non applicare forza eccessiva per evitare la rottura delle viti o il danneggiamento della filettatura).


Fori e bulloni possono essere lasciati sulla parete, soffitto o pavimento una volta rimossi la staffa e il monitor. Dopo un periodo prolungato di utilizzo, possono formarsi delle macchie.

Dato che il produttore non ha alcun modo di controllare il tipo di parete, soffitto o pavimento e l'installazione, la garanzia del prodotto coprirà esclusivamente il corpo della struttura per il montaggio. Il periodo di garanzia del prodotto è di 5 anni.

Consultare il manual in lingua inglese per eventuali controversie sulle condizioni.

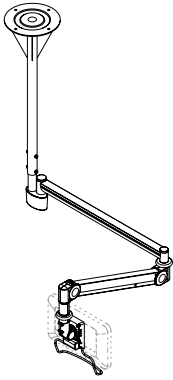
# NEWSTAR

## AV & IT MOUNTS

**FPMA-HAC100****FPMA-HAC100HC** **Medical flat screen mount** **Medische flatscreen steun** **Medical Display Halterung** **Support médical pour écran plat** **Supporto medico per schermo piatto** **Soporte para pantalla medica plana** **Suporte para ecrã médico plano** **Medicinske fladskærmeslag** **Sairaalä näyttöjen teline** **Fäste för medicinska platta skärmar** **Medisinske flatskjermfeste** **Uchwyt do monitora medycznego**

FPMA-HAC100

FPMA-HAC100HC



FPMA-HAC100: 1~6 kg



75x75/  
100x100mm

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## Before starting assembly

- Please read this manual thoroughly, before assembling the product.
- Some drawings are enlarged to clarify the steps.
- Do not discard any of the packaging until you have checked all the parts.
- If you are missing any of the parts, please contact your supplier.



**THE INSTALLATION SHOULD BE PERFORMED BY A QUALIFIED TECHNICIAN AND SHOULD MEET THE REQUIREMENTS OF LOCAL REGULATIONS.**

### Note

Only if required, all fastening hardware maybe replaced by the installer at their own risk, based on the requirements of the ceiling composition; NewStar shall not be held liable if any fastening hardware supplied by third parties fail to sufficiently bolt the ceiling mount to the ceiling.

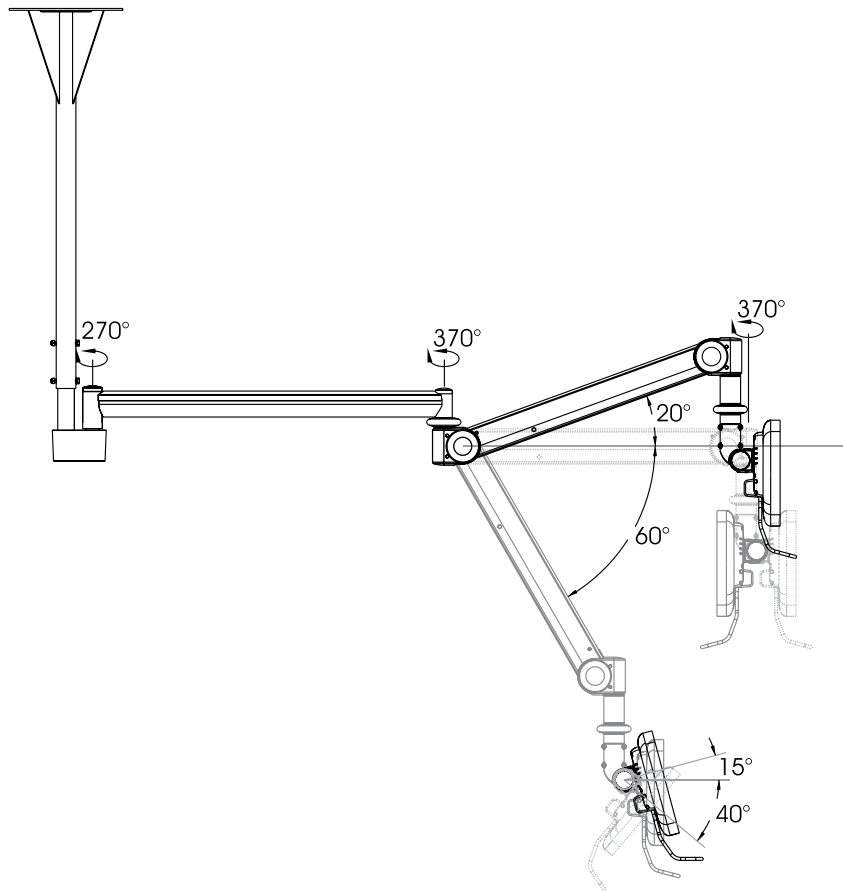
### Cleaning recommendations

- Please use non-abrasive or diluted products to clean the plastic components of this product, such as soap, water or diluted alcohol.
- Use a soft cloth with 91% isopropyl alcohol for cleaning pen or marker spots on the surface of the arm.
- For any other stains like f.e. iodine spots, a soft cloth with above cleansers is suggested for cleaning.
- The following chemicals are strictly forbidden to use cleaning the arm: Abrasive cleansers, acetone, mineral spirits, paint thinner or any other harsh or toxic chemicals.

## Part list

01		Arm	X1	14			X1
02		Grab Handle	X1	15			X4
03		(M4X12) Screw	X4	16			X2
04		(M6X30) Screw	X4	17			X1
05		(M4X25) Screw	X4	18		(1.7mm)	X2
06		spacer sleeve	X4	19		(3mm)	X1
07		(2.5mm) Allen key	X1	20			X1
08		(4mm) Allen key	X1	21			X2
09		Wrench	X2	22			X4
10		VESA cable cover-B	X1	23			X2
11		"T" Allen key	X1	24			X1
12		Cable Wrapper	X1	25		(M5X10mm)	X2
13		Cable tie	X4	26		(M5X8mm)	X2
				27			X1

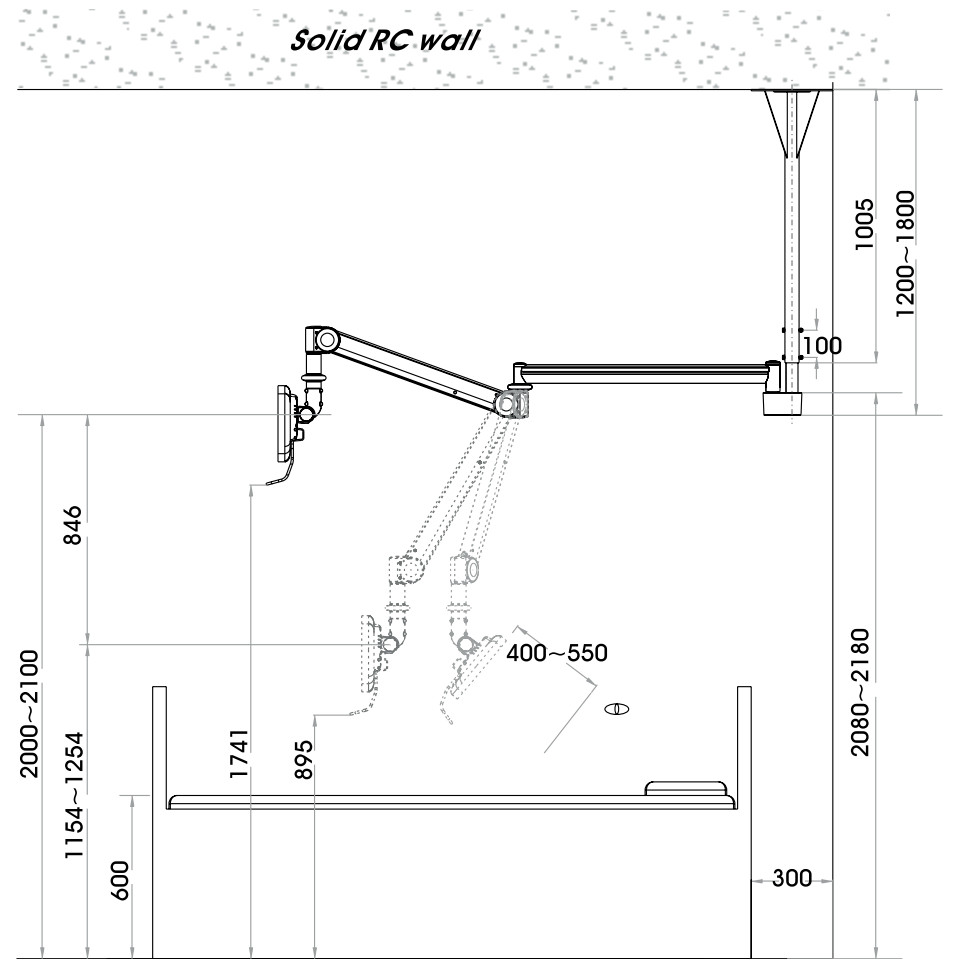
## Arm operation



## Positioning of the FPMA-HAC product

Right view

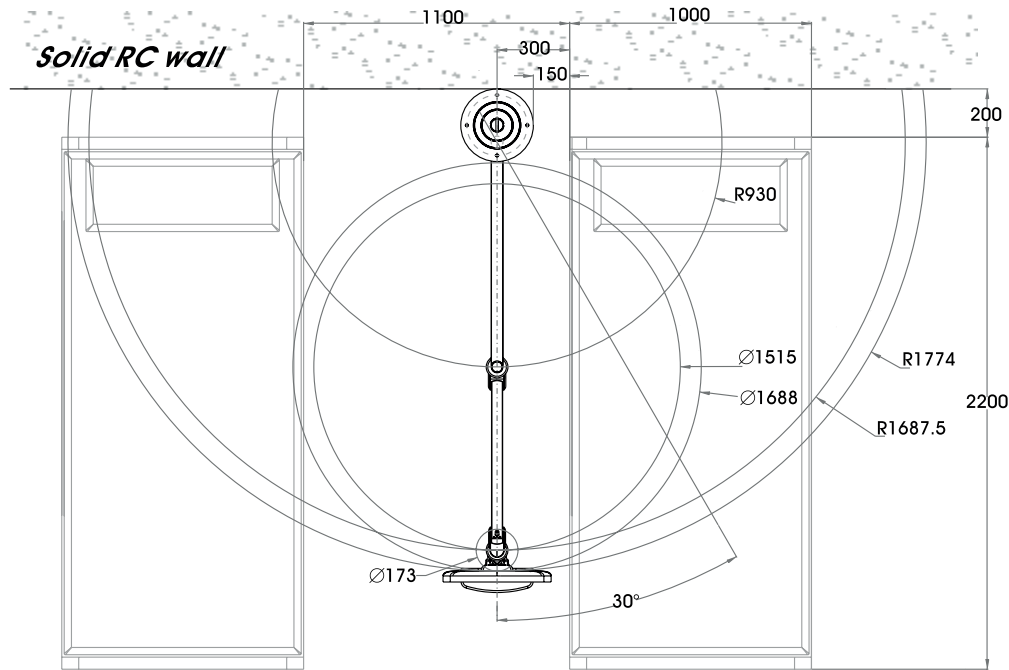
Unit:mm



## Serviceable range of the arm

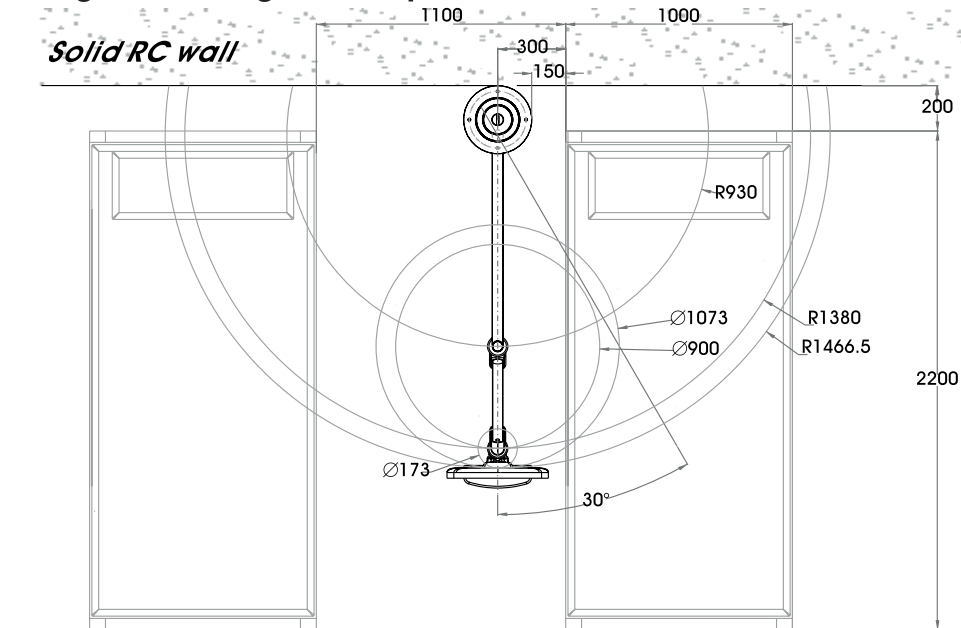
### Range at +20 degrees - Top view

Unit:mm



### Range at -60 degrees - Top view

Unit:mm

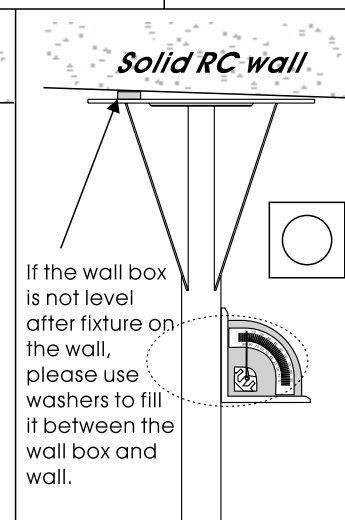
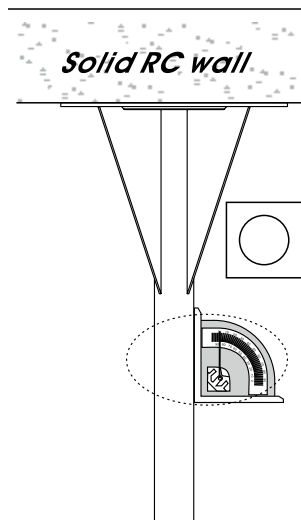
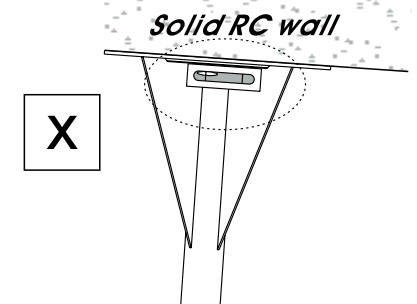
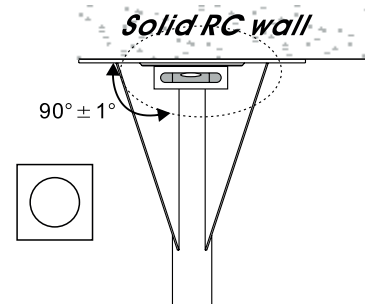
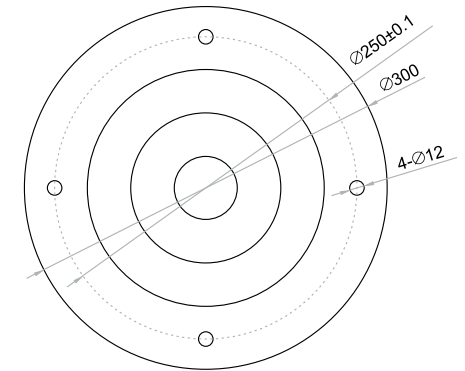
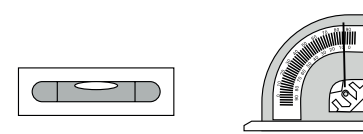


## Ceiling assembly

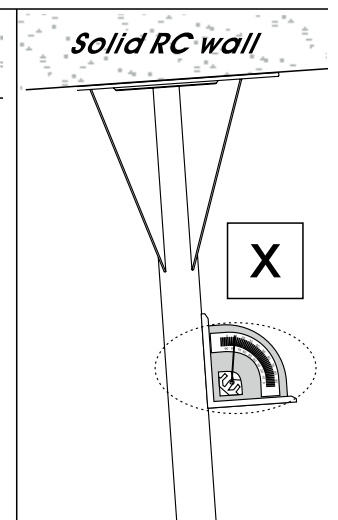
### Note

Unit:mm

- Use level gauge or protractor to help the wall mount installation.



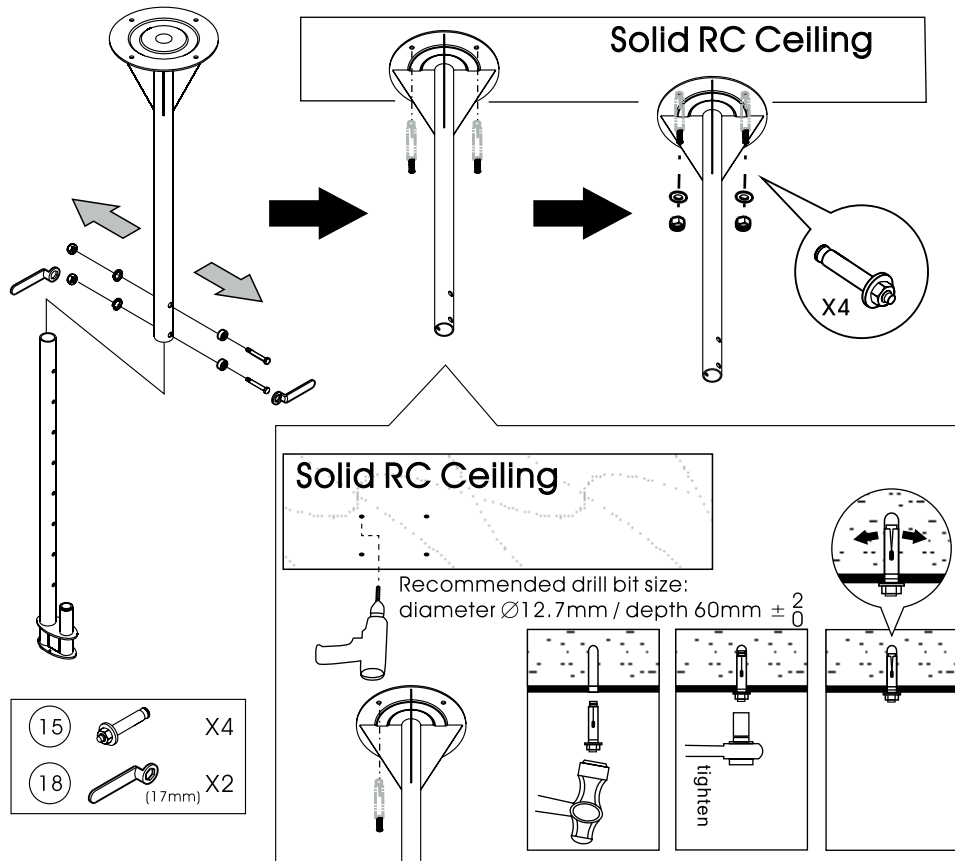
If the wall box is not level after fixture on the wall, please use washers to fill it between the wall box and wall.





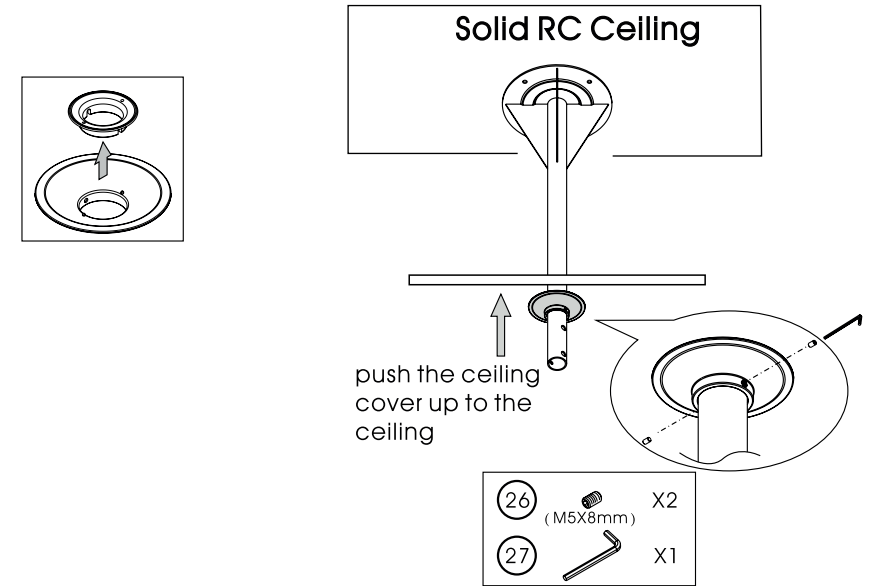
### Step 1 - Fix ceiling mount into solid rc ceiling firmly

1. Disassemble the ceiling mount and the adjustable pole.
2. Choose the exact place you want to fix the ceiling mount on the ceiling and mark the drill holes.
3. Drill 4 expansive bolts into the ceiling and put the ceiling mount into the 4 expansive bolts aiming at ceiling mounting's 4 holes.  
Recommend drill bit size: diameter  $\text{Ø}12.7 \text{ mm}$  / depth  $60 \text{ mm} \pm 20$
4. Lock the bolts with 4 washers and 4 nylon nuts.



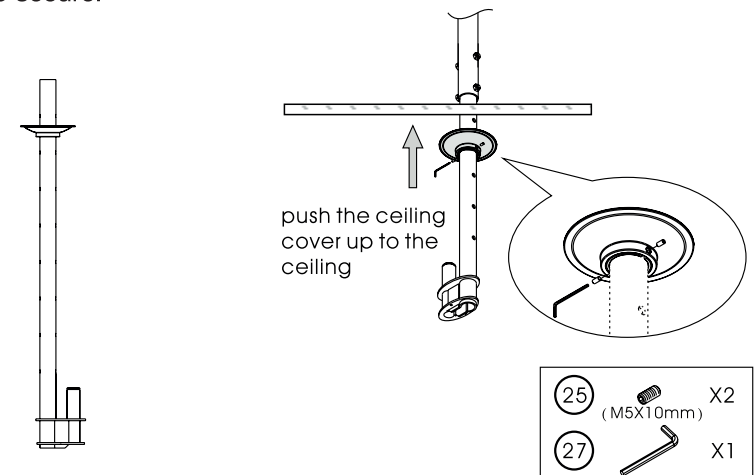
### Step a - Install the ceiling cover

If the upper pole hangs below a suspended ceiling, remove the ceiling cover spacer and push the ceiling cover up to the ceiling. Insert the two set screws using the supplied Allen key to secure.



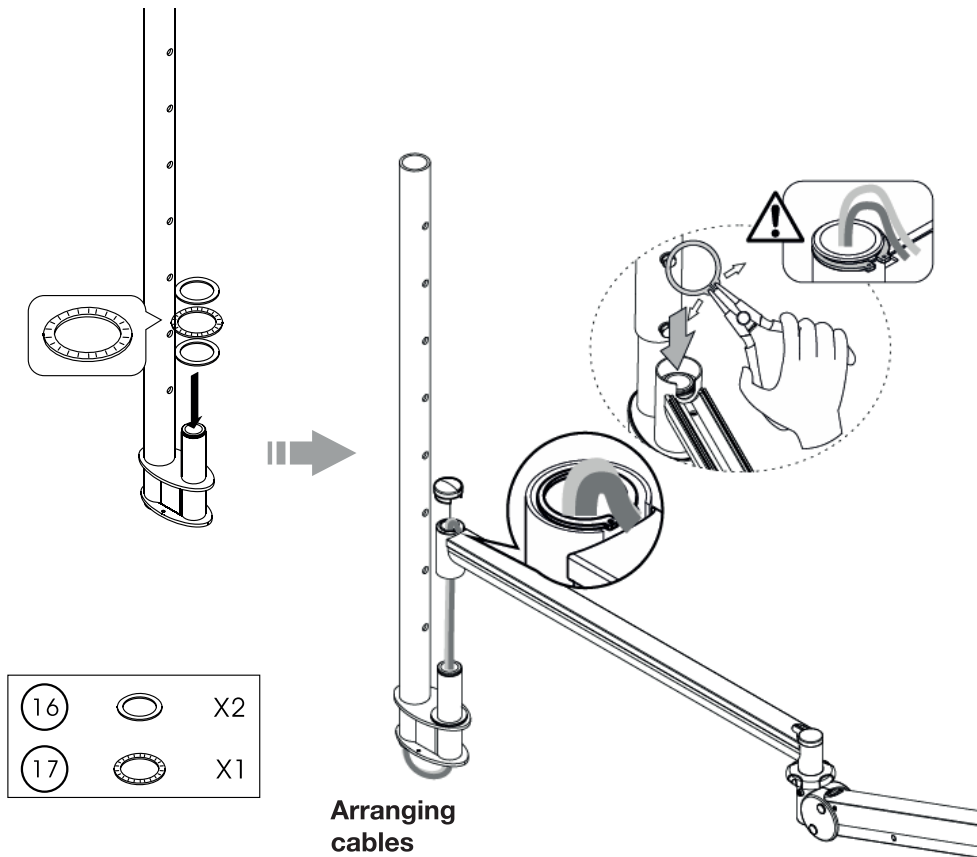
### Step b - Install the ceiling cover

If the lower pole hangs below a suspended ceiling, push the ceiling cover with ceiling cover spacer up to the ceiling. Insert the two set screws using the supplied Allen key to secure.



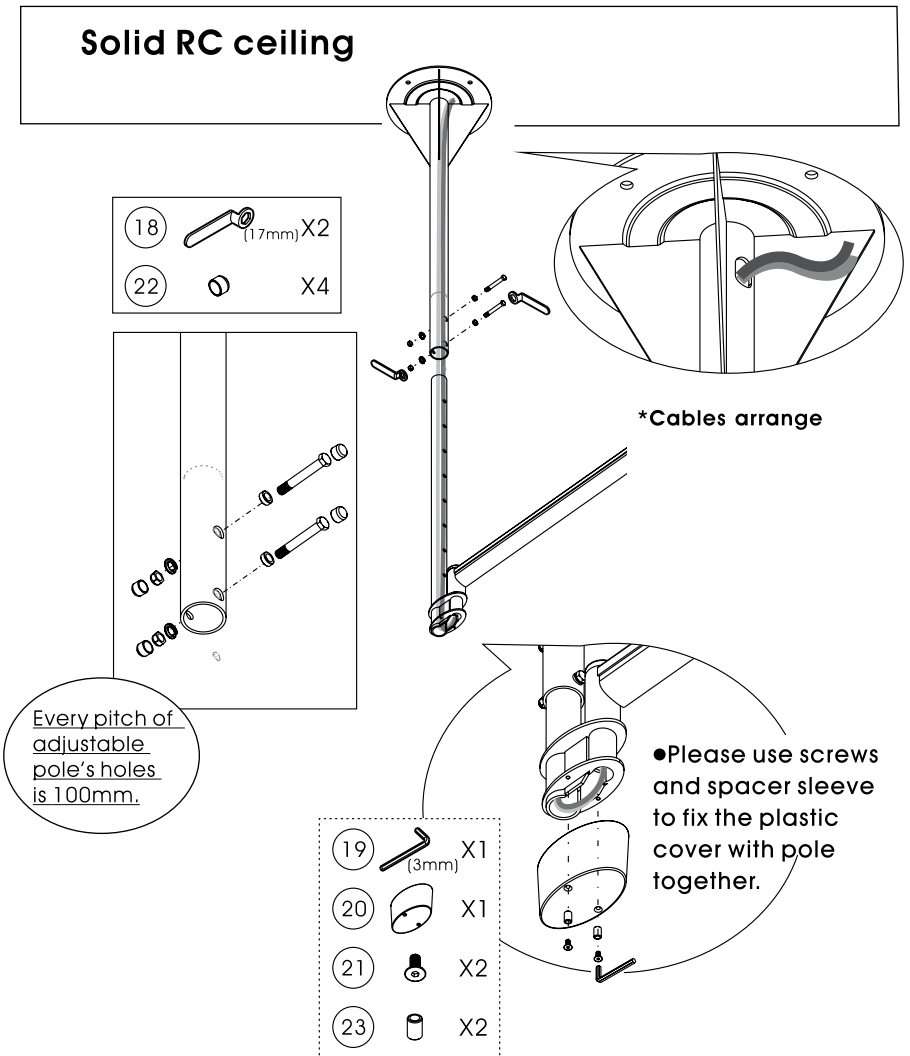
## Step 2

1. Place the bearings onto the spindle.
2. Place the arm onto the spindle.
3. Manage the cables well and make sure that the C-clip is fitted into the groove of the spindle securely, so the fixed section of the arm cannot be pulled out from the mount while adjusting the arm.
4. Put the rotating cover-L on arm.



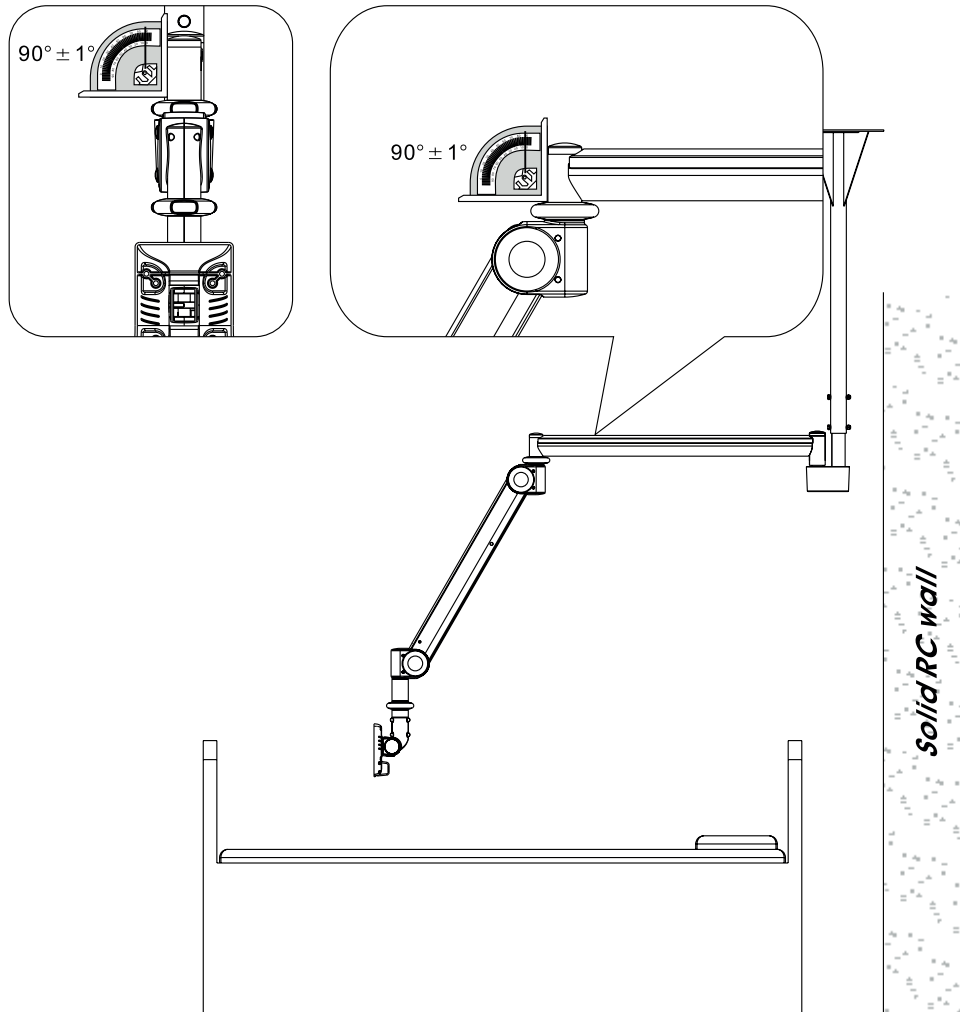
## Step 3 - Adjust the height

1. Put the adjustable pole inside the ceiling mount.
2. Fix the pole at the desired height by wrench with 2 screws, 2 screw bushings, 2 washers and 2 nylon nuts.



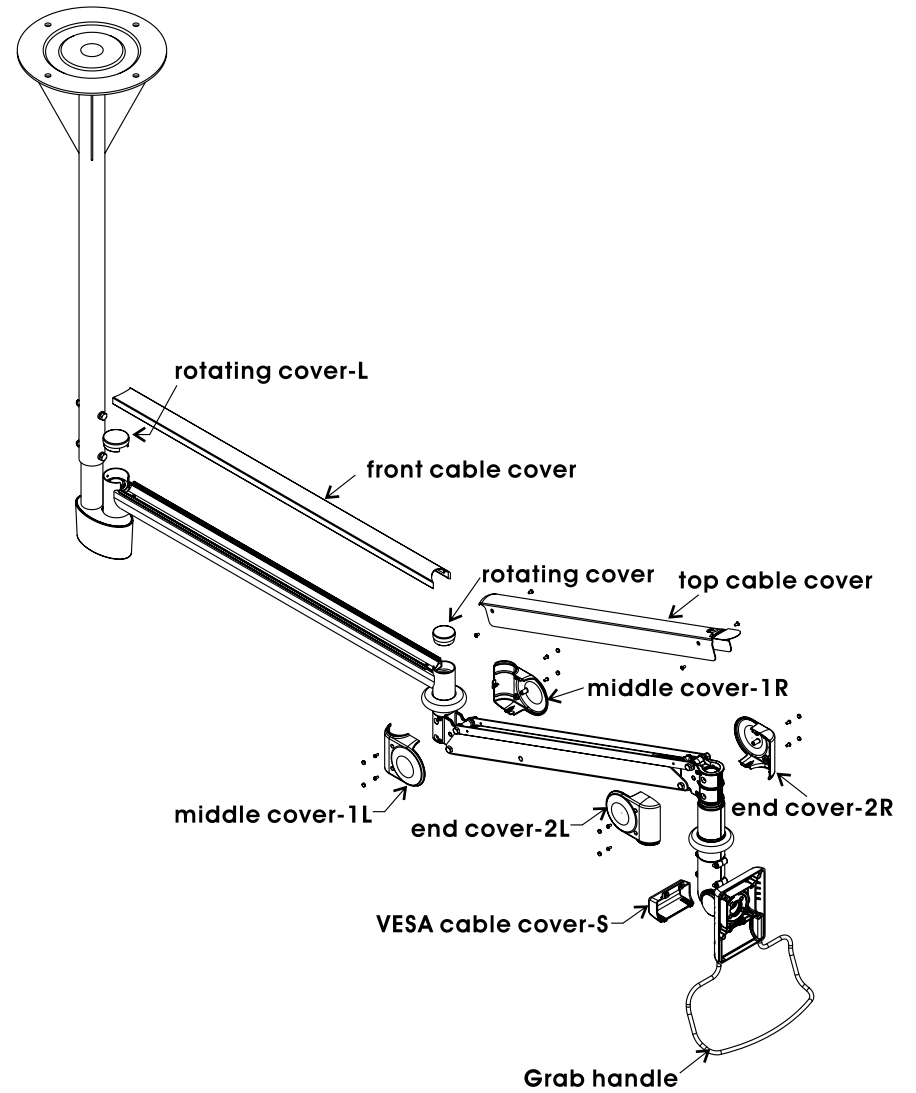
## Note

Please make sure this joint is in a vertical 90 degree angle.

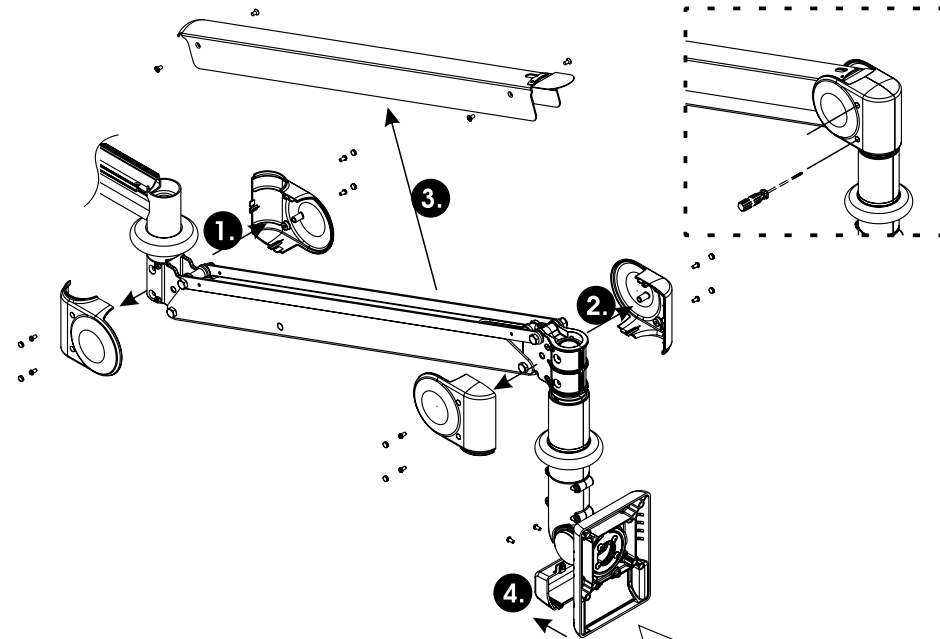


## Cable assembly

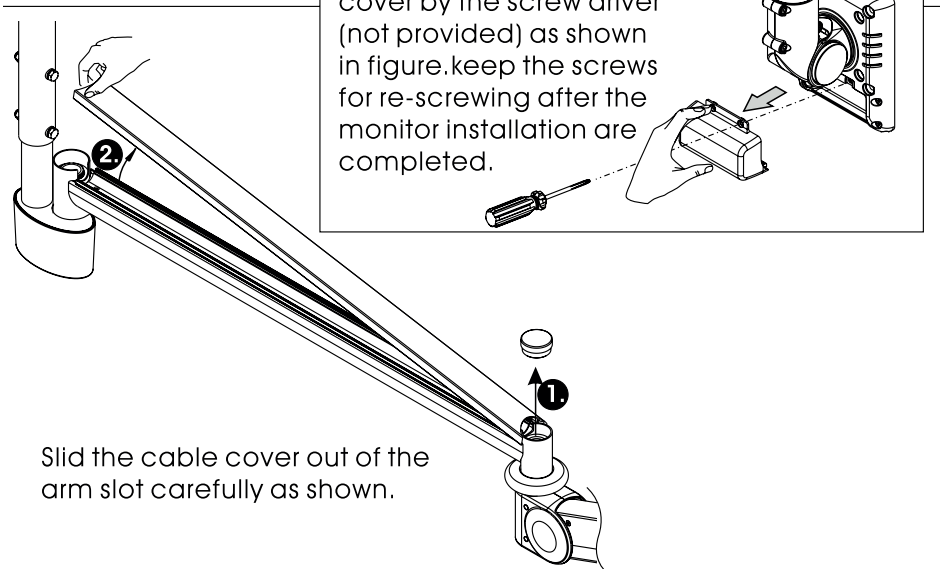
### Parts



## Step 1.1 - Remove cable covers

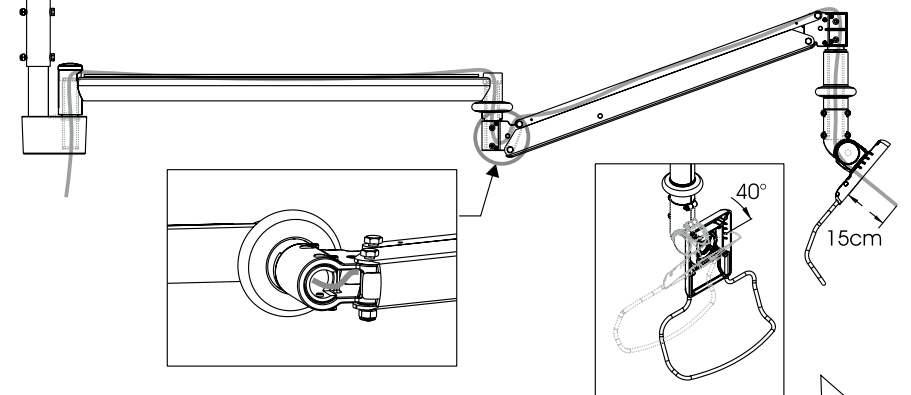
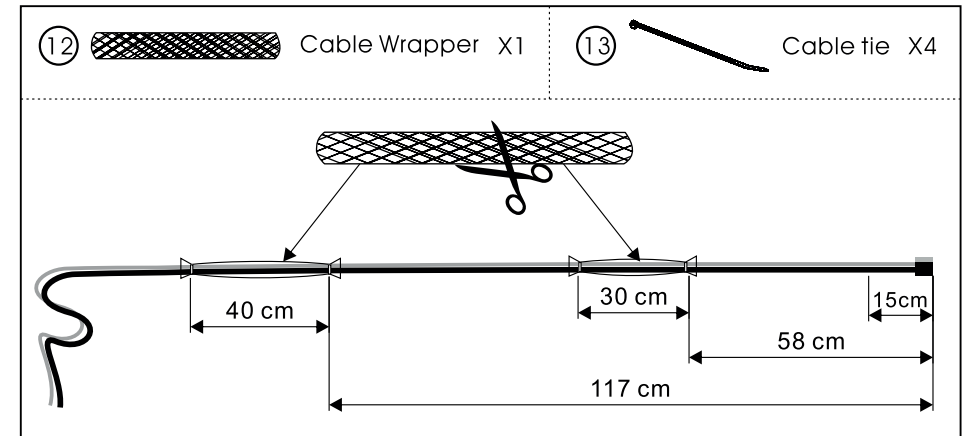


● Remove the VESA cable cover by the screw driver (not provided) as shown in figure. Keep the screws for re-screwing after the monitor installation are completed.

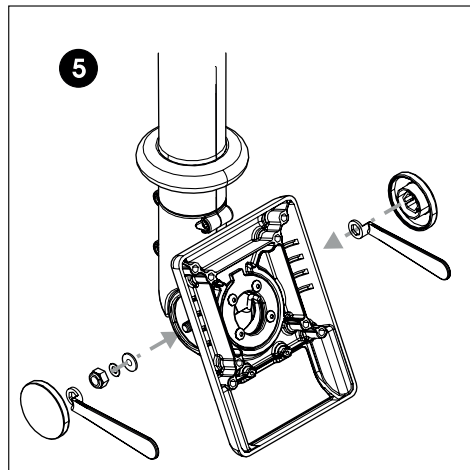
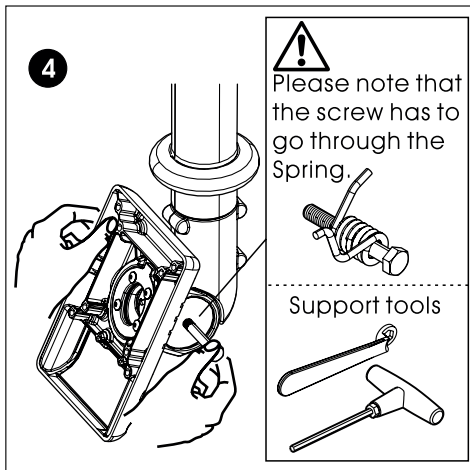
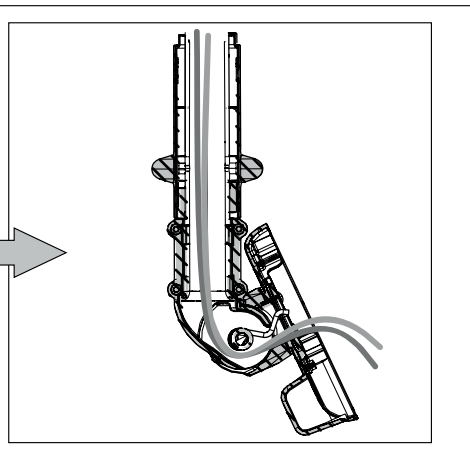
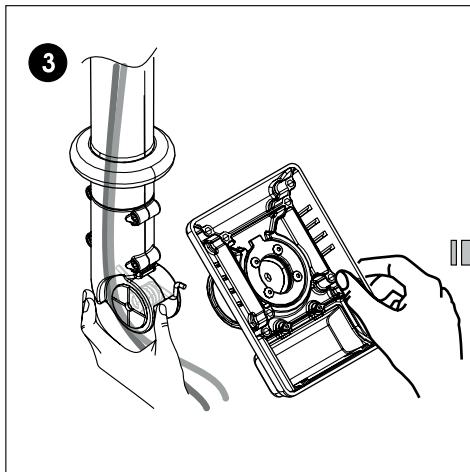
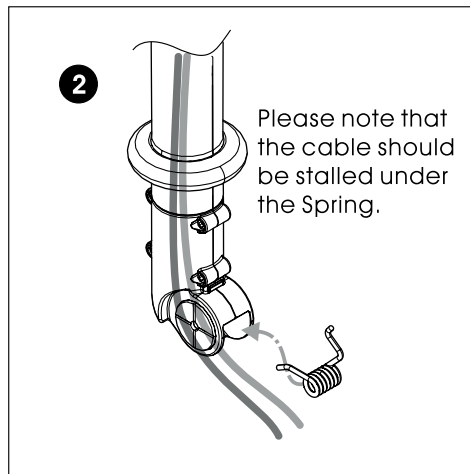
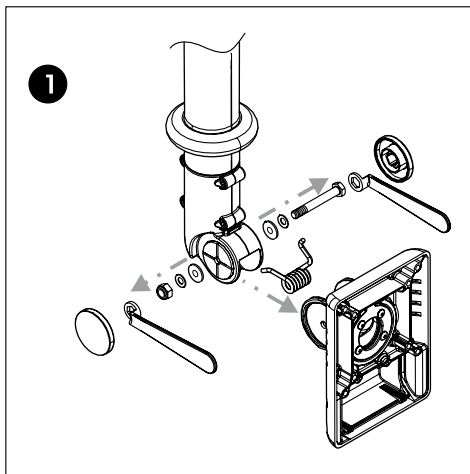


Slide the cable cover out of the arm slot carefully as shown.

## Step 1.2 - Insert cables through the arm Cable wrapper assembly



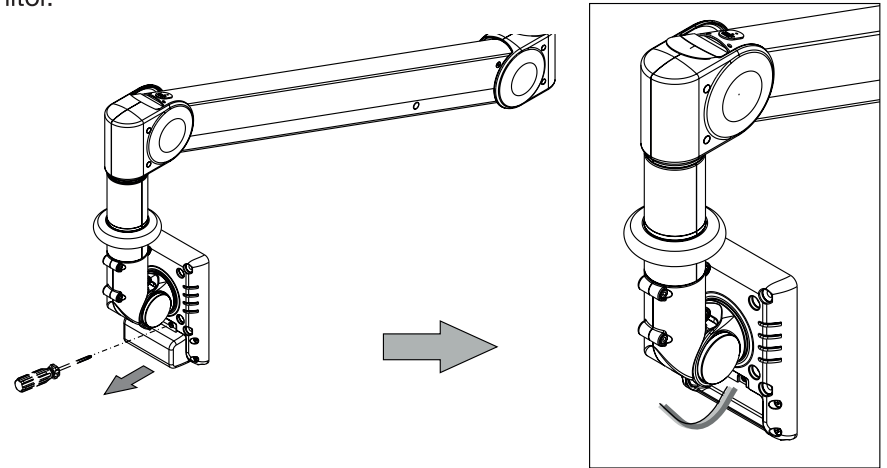
● The VESA adapter must be moved fully down for putting the cable through.  
● Allowing for arm movement, we suggest leave at least 15 cm long cable from the VESA adapter as shown.



## Monitor assembly

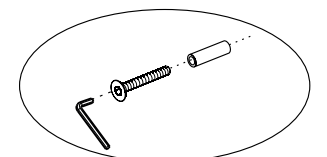
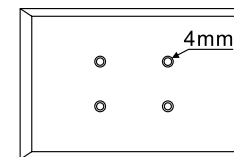
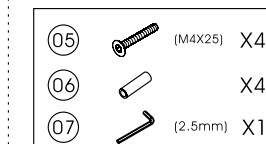
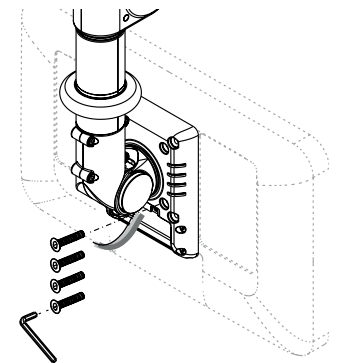
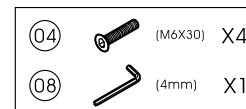
### Step 1.1

Remove the back cover by using a screw driver (not included) as shown in the drawing. Please keep the screws, so you can use them when putting back the cover after monitor installation. Then pull out the cable in order to install the monitor.



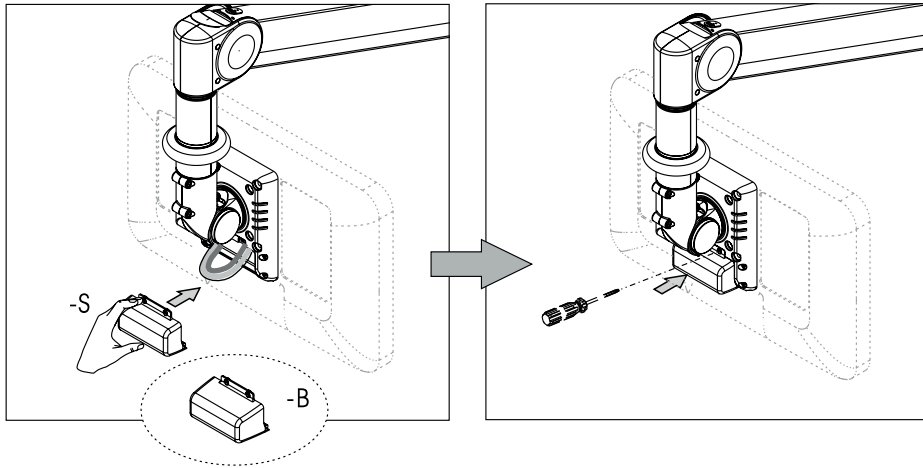
### Step 1.2

Fix the monitor on the VESA mount, using the Allen key and screws.



### Step 1.3 - Connect the cable to the monitor

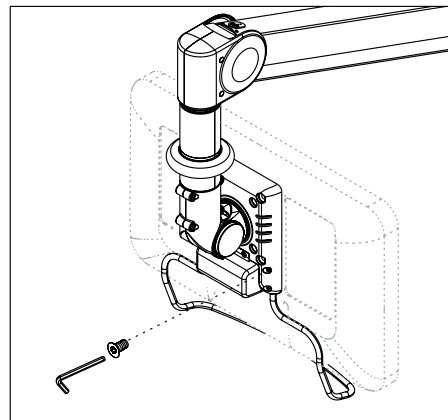
Connect the cables to the monitor, complete the circuit and then replace the VESA cable cover-B or VESA cable cover-S.



### Step 1.4 - Fix the handle bar

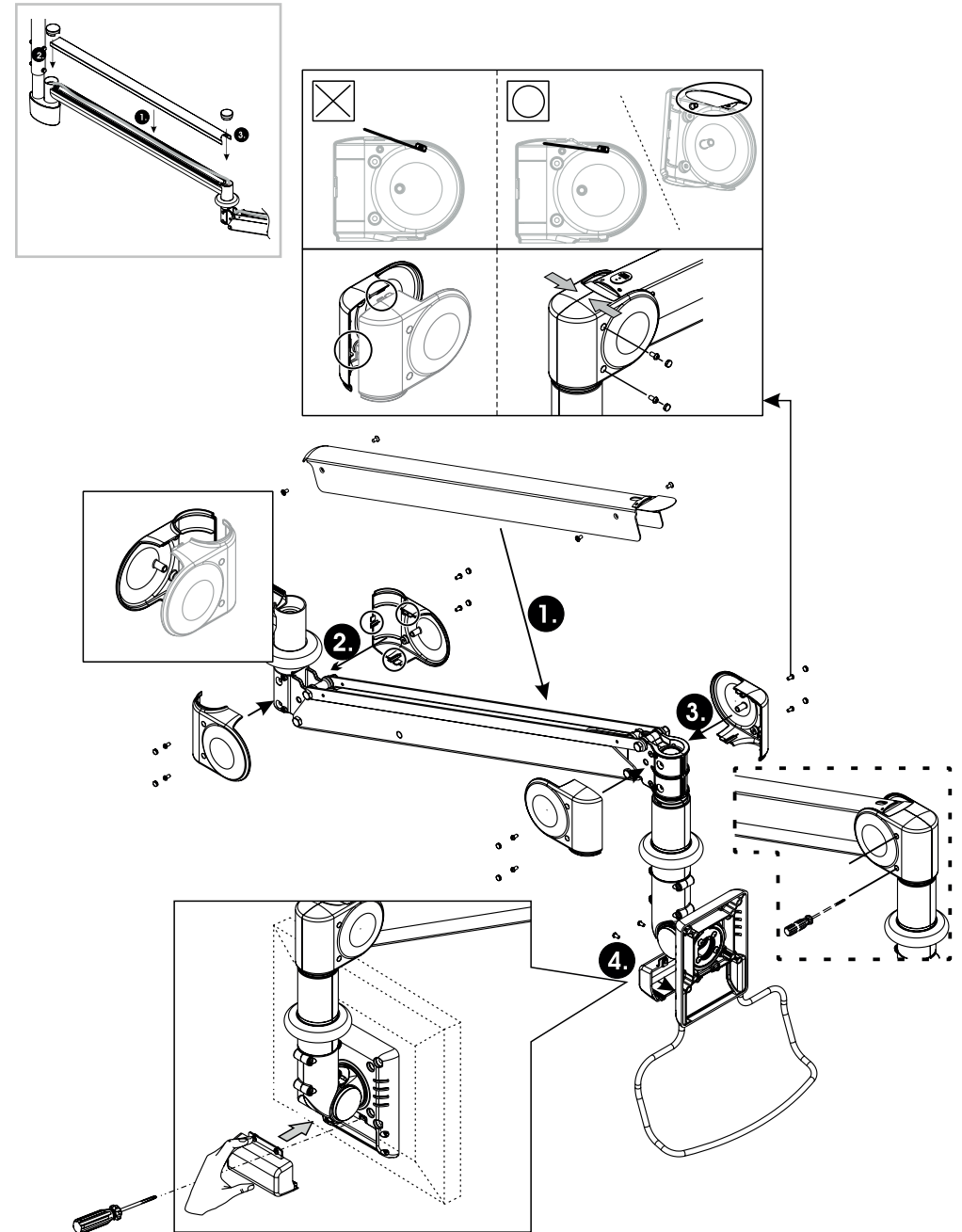
1. Insert the handle bar into the 2 holes on the bottom of the VESA interface.
2. Fix the handle bar with 4 screws by 2.5 mm Allen key through the 4 holes on the lower part of the VESA interface.

03		X4
07		X1



## Replacement of the arm covers

Follow the order as below to assemble the covers. Replace the adjuster covers as shown.





## Adjustment for loading

### Caution for weight capacity adjustment

1. Make sure you have checked the weight of the monitor you wish to mount.
2. Support the arm throughout/during assembly.
3. Pull down the arm and take out the upper cap (see below figure) during adjustment.

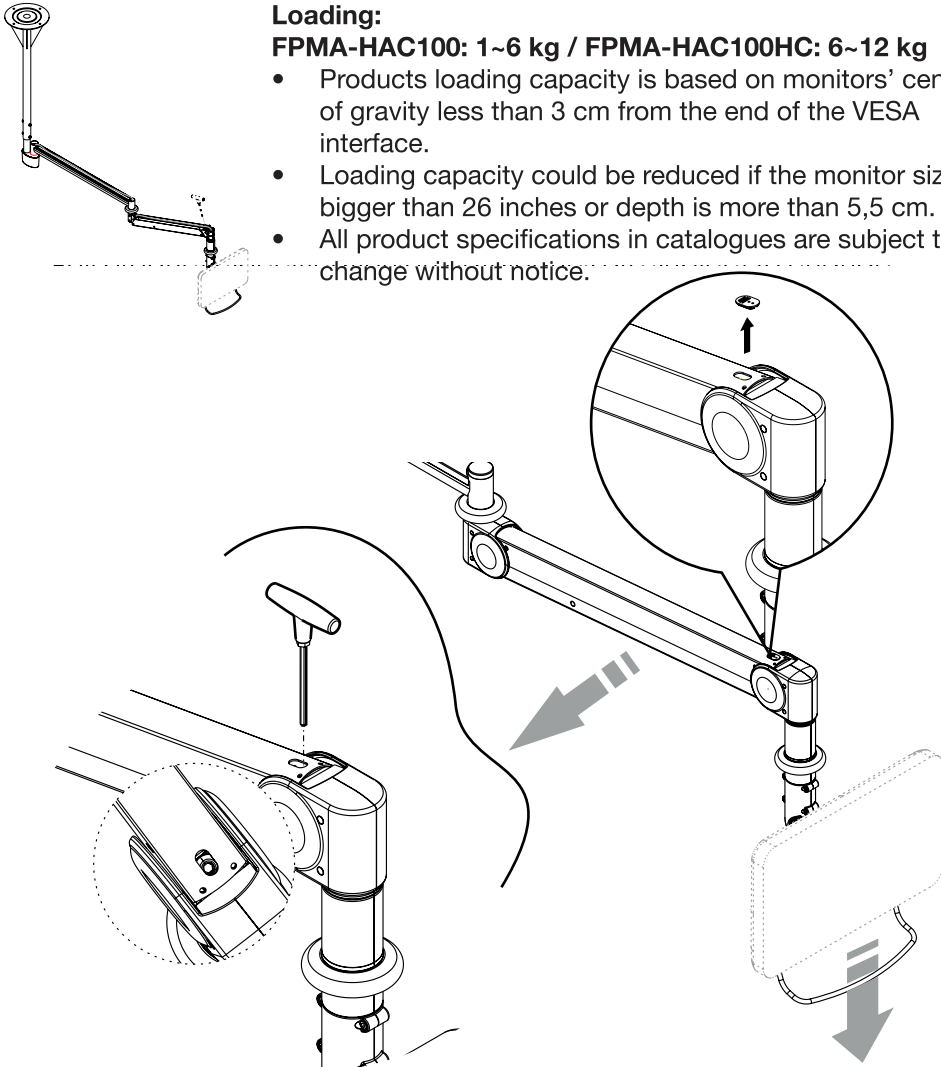
### Adjustment:

Use the Allen key provided to adjust the weight capacity. Twist the Allen key in a clockwise direction for more weight; counterclockwise direction for less weight.

### Loading:

**FPMA-HAC100: 1~6 kg / FPMA-HAC100HC: 6~12 kg**

- Products loading capacity is based on monitors' center of gravity less than 3 cm from the end of the VESA interface.
- Loading capacity could be reduced if the monitor size is bigger than 26 inches or depth is more than 5,5 cm.
- All product specifications in catalogues are subject to change without notice.



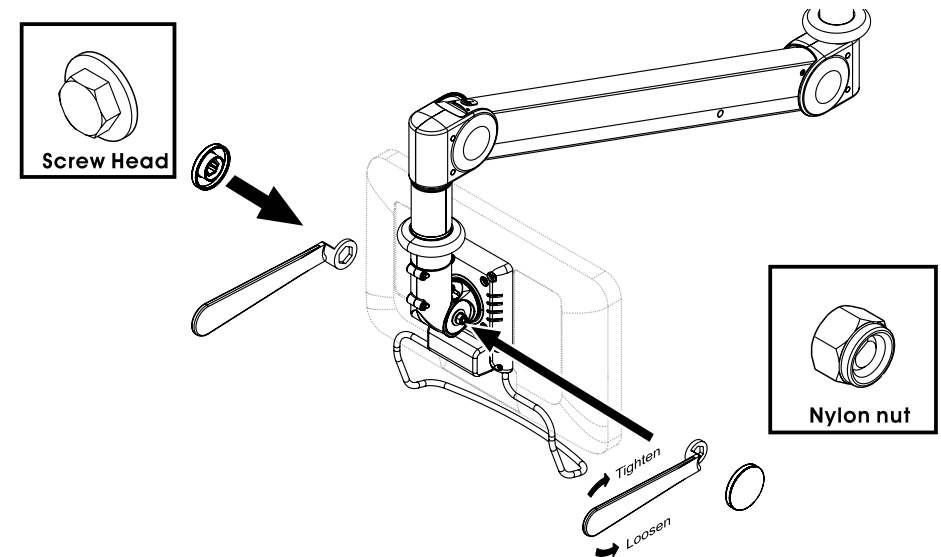
## Adjusting universal joint tension

When assembling the arm with monitors of different weight, you may find that the tension of the universal joint needs to be adjusted to ease movement or to maintain the desired monitor position. If so, adjust as follows:

1. Remove the plastic universal joint cover.
2. Find the nylon nut (not the screw head) and use the provided wrench to adjust the tension. Fix the screw head by wrench during adjustment.
3. Use one hand to support the monitor and adjust the tension of the universal joint:  
Clockwise: more tension  
Counterclockwise: less tension
4. When the desired tension is achieved, replace the plastic covers.

### Caution

- Support the monitor during the adjustment procedure.
- Only adjust the nylon nut (not the screw head).
- Do not disassemble the universal joint.



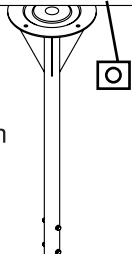
## Safety notes

- Once assembled do not disassemble.
- Make sure that mounting screws are suitable for the horizontal surface and adequate to hold the weight of the arm and the monitor.
- Support the monitor and arm throughout assembly and mounting.
- Keep small parts out of reach from children.

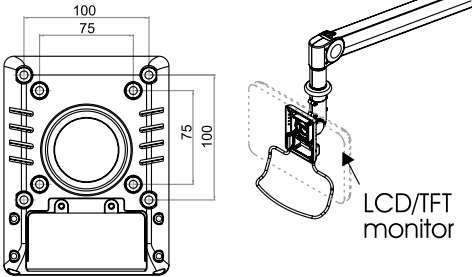


Solid RC ceiling

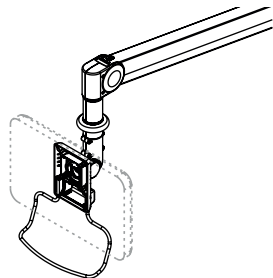
Make sure that the horizontal surface is substantial to hold the weight of the arm and the monitor.



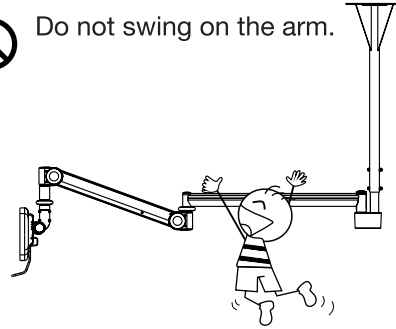
Only use with LCD/TFT monitors that are VESA compliant 75x75 mm or 100x100 mm.



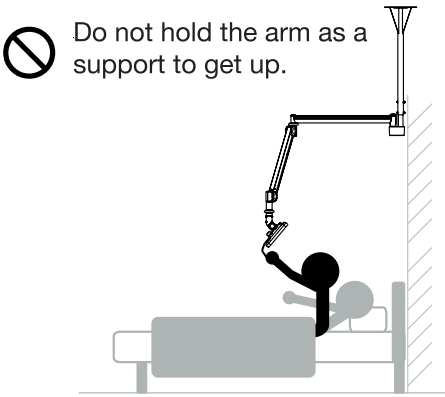
Monitors to be mounted should not weigh more than the maximum weight capacity of the mount, as stated in this manual.



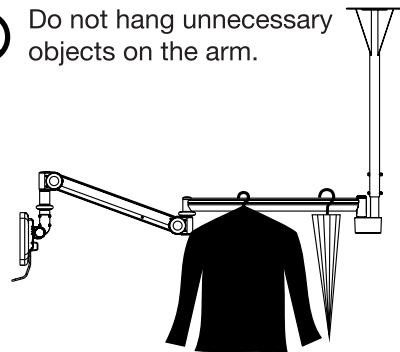
Do not swing on the arm.



Do not hold the arm as a support to get up.



Do not hang unnecessary objects on the arm.



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