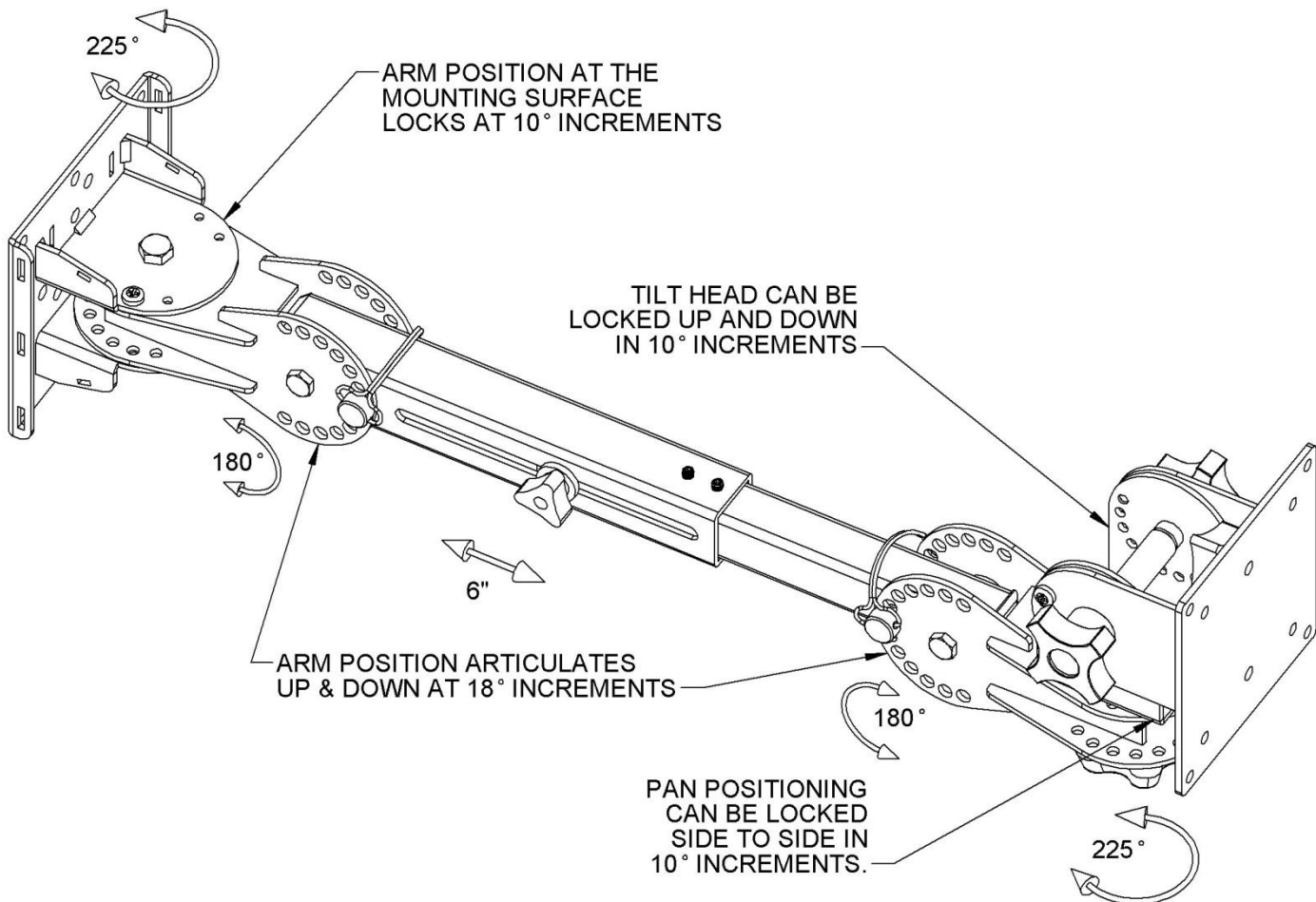# PQS

PRACTICAL QUALITY SYSTEMS
Fast Custom Manufacturing - Nationwide Installation Services
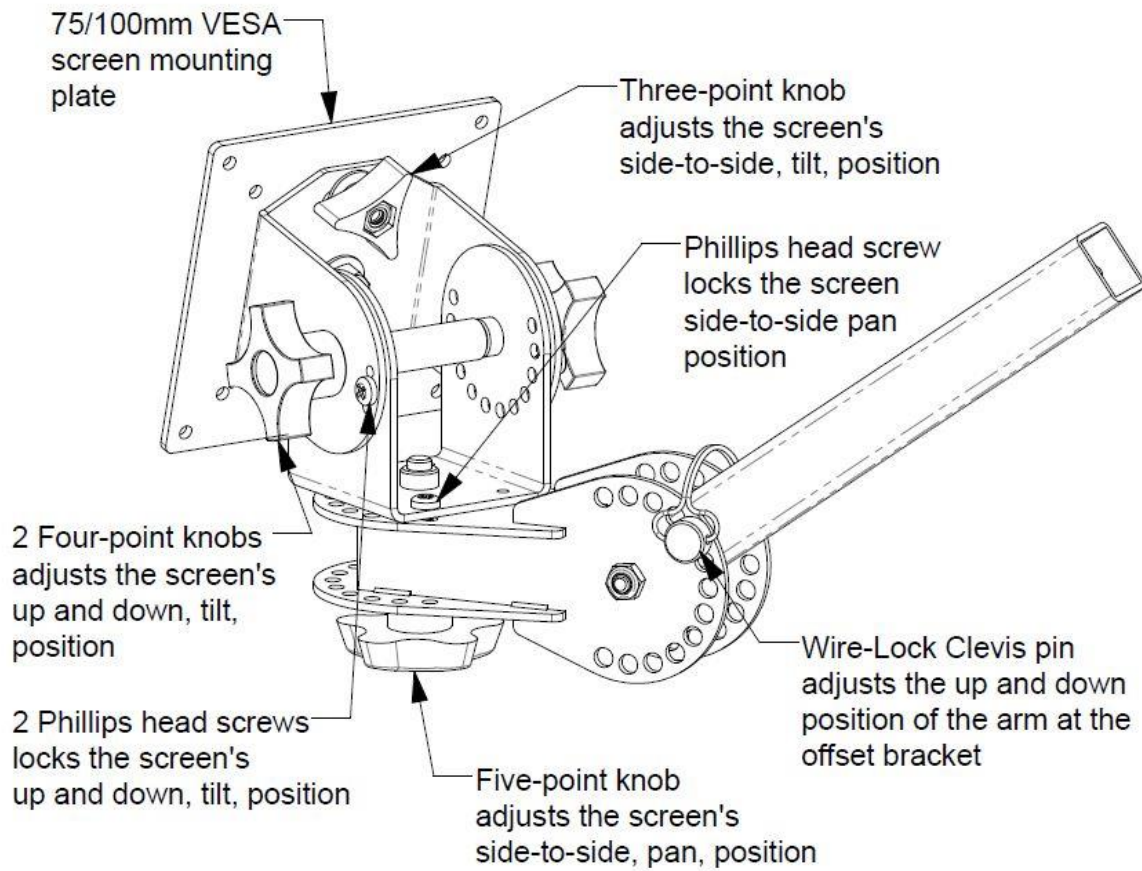

Screen not included

PN 80005 shown. Also available: PN 80005-3036 19" to 24" length, PN 80005-3642   25" to 30" length.

225°

ARM POSITION AT THE
MOUNTING SURFACE
LOCKS AT 10° INCREMENTS

TILT HEAD CAN BE
LOCKED UP AND DOWN
IN 10° INCREMENTS

180°

6"

ARM POSITION ARTICULATES
UP & DOWN AT 18° INCREMENTS

180°

PAN POSITIONING
CAN BE LOCKED
SIDE TO SIDE IN
10° INCREMENTS.

225°

General Features

- This wall mount can be used as a universal support system for VESA compatible monitors, touchscreens and terminals for Point of Sale / POS, Kitchen Display Systems / KDS in commercial kitchens, retail, restaurants, offices, industry, shops, medical, maritime, schools, laboratory and many other applications.

- An innovative set of joint assemblies allow seven axis of position adjustment when attached to a wall or other vertical surface. This assembly is also available in a ceiling mount configuration. (See page 14).

- In addition to having very flexible articulation this mount also has the key feature of being easily LOCKED in any desired screen position. This ability is VERY important when using touch screen equipment as it PREVENTS the screen from moving away from the user each time a touch is input.

- This assembly supports up to 25 lbs. It is made from steel and finished with a durable, black, low gloss, micro wrinkle powder coat that resists fingerprints.

- Visit kitchendisplaysystems.com for a free, easy to understand tutorial that covers all aspects of Kitchen Display Systems knowledge!

- For more information on the individual components included in this package please refer to the assembly sketches in this document and the downloadable product information sheets available on our website for each of the product pages for each part number.

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ALL PRODUCTS PATENT PENDING

75/100mm VESA screen mounting plate

Three-point knob adjusts the screen's side-to-side, tilt, position

Phillips head screw locks the screen side-to-side pan position

2 Four-point knobs adjusts the screen's up and down, tilt, position

2 Phillips head screws locks the screen's up and down, tilt, position

Five-point knob adjusts the screen's side-to-side, pan, position

Wire-Lock Clevis pin adjusts the up and down position of the arm at the offset bracket

Enhanced VESA 75-100mm Pan and Tilt Head with side-to-side tilt adjustment on an Offset Arm Bracket

- A universal mount that works with any 75mm or 100mm VESA compatible screen.
- Tightening the two four-point knobs applies variable clutching resistance to allow adjustment of the up and down tilt position of the screen. Tighten either of the two 10-32 Phillips head screws adjacent to the four-point knobs to permanently secure the tilt position.
- Tightening the five-point knob below the offset bracket applies variable clutching resistance to allow adjustment of the side-to-side pan position of the screen. A 10-32 Phillips head screw in the center of the lower panning plate can be tightened to permanently secure the pan position.
- Tightening the three-point knob at the rear center of the VESA mounting plate applies variable resistance to allow adjustment of the side-to-side screen tilt position.
- Tighten the 10-32 Phillips head screw on the lower panning plate into one of the holes in the offset bracket to permanently secure the pan position.
- The offset bracket attaches the VESA pan and tilt head to the end of the arm and allows adjustment of the up and down "offset angle" of the arm.
- Adjusting the up and down position of the arm at the offset bracket: Remove the 1/4" wire-lock clevis pin from the offset bracket to adjust the up and down position of the arm, then reinsert the pin into one of the holes in the offset bracket and through the arm to secure the new position.
- Includes (4) M4 Phillips head screws to attach the VESA mounting plate to the back of the screen.
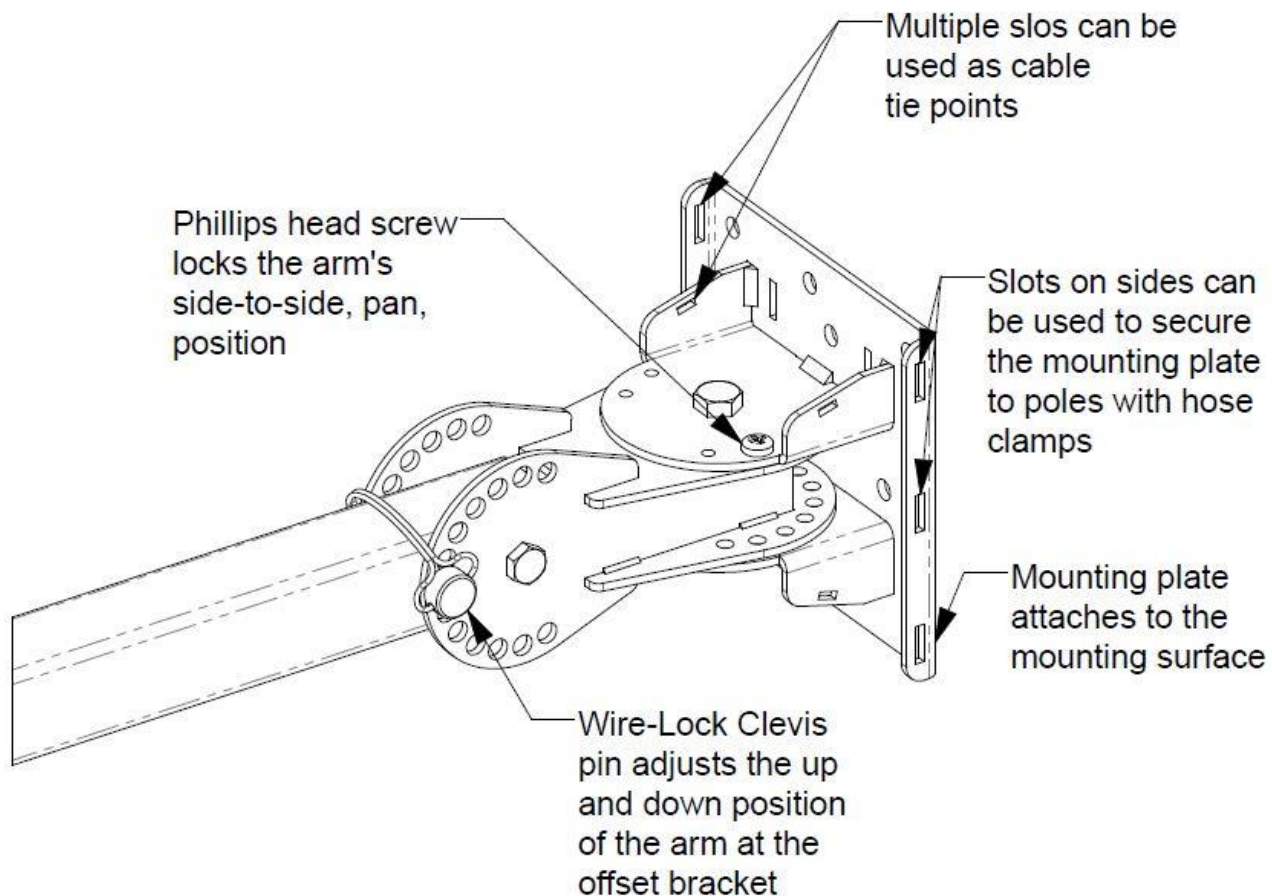
Outer arm section

Telescopic arm section

Three-point knob locks the position of the outer arm section inside of the telescopic arm

Offset bracket

Wire-Lock Clevis pin adjusts the up and down position of the arm at the offset bracket

Telescopic Arm Section
The overall length of the Telescopic arm section can be adjusted up to 6 inches. To adjust; grasp the inner arm and slightly loosen the three-point knob just until the inner arm can be moved. Pull the inner arm out to extend it or push it in to retract the arm to the desired new length. Re-tighten the knob to secure the position.

Mounting plate dimensions

Multiple slos can be used as cable tie points

Phillips head screw locks the arm's side-to-side, pan, position

Slots on sides can be used to secure the mounting plate to poles with hose clamps

Mounting plate attaches to the mounting surface

Wire-Lock Clevis pin adjusts the up and down position of the arm at the offset bracket

Single Position 25lb Wall Mounting Plate with Integral Standoff bracket, Offset Arm Bracket and Arm

- The Single Position 25lb Wall Mounting Plate with Integral Standoff bracket supports one arm, allows side to side adjustment of the arm, and attaches to any flat, smooth vertical surface.
- Attach the mounting plate to a wall or other flat vertical surface with appropriate fasteners.
- The side-to-side pan position resistance is preset at the factory with a 5/16" bolt in the center of the upper standoff plate allowing the arm offset bracket to move freely side to side and should not need adjustment. However, a ½" wrench can be used to adjust the tension on this bolt.
- To permanently lock the side-to-side position of the offset bracket and arm: Loosen the 10-32 Phillips head screw on the top of the standoff bracket, adjust the side-to-side position of the offset bracket and arm, tighten the screw into one of the holes in the offset bracket to secure the new position.
- The offset bracket attaches the arm to the standoff bracket and allows adjustment of the up and down "offset angle" of the arm.
- Adjusting the up and down position of the arm at the offset bracket: Remove the 1/4" wire-lock clevis pin from the offset bracket to adjust the up and down position of the arm, then reinsert the pin into one of the holes in the offset bracket and through the arm to secure the new position.
- Note that the mounting plate includes slots along the sides so that it can be attached to poles up to 36" in diameter with our optional strapping kit PN 80801 or any other compatible hose clamps.
- The mounting plate includes multiple slots for cable tie points.

Recommended practice for adjusting the angle of the offset brackets;

In most applications you will want the pan and tilt head parallel to the wall or mounting surface.

If you want to change the angle of the mount do so equally at both ends to preserve a parallel orientation.
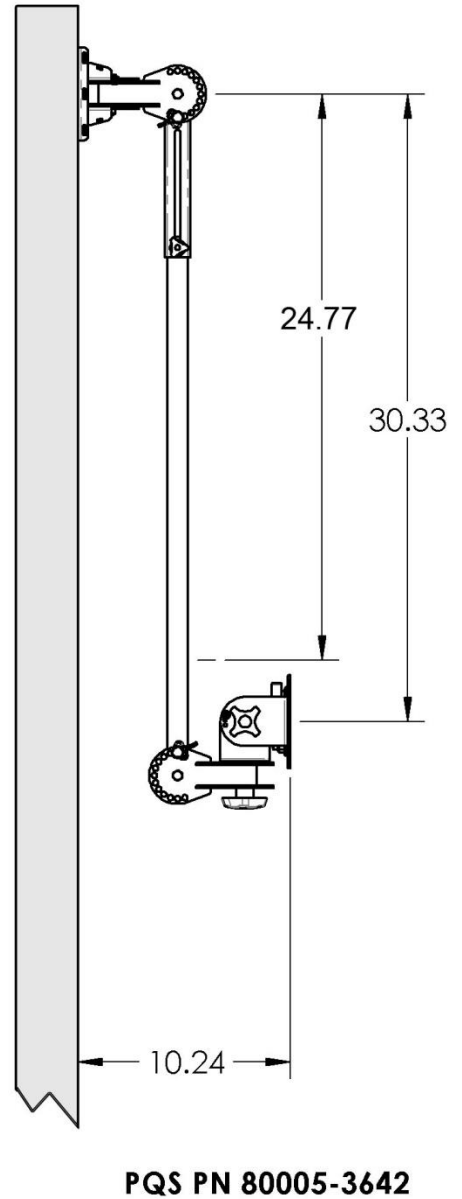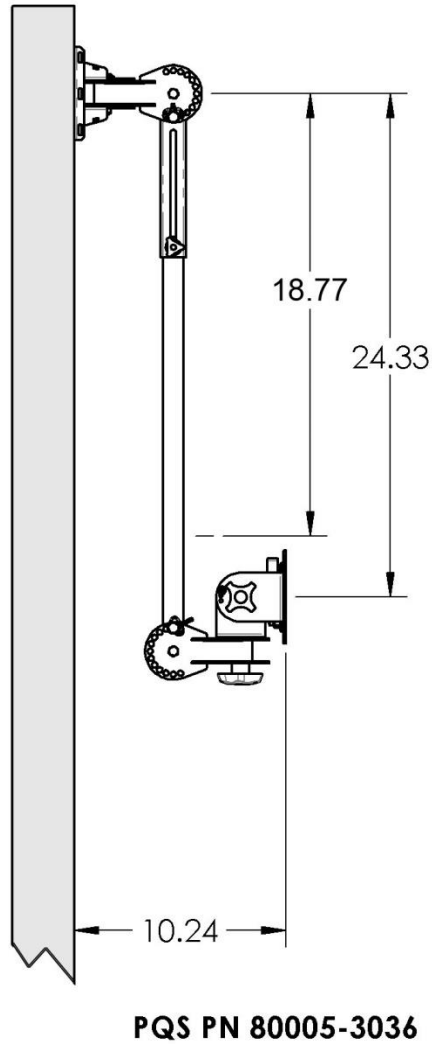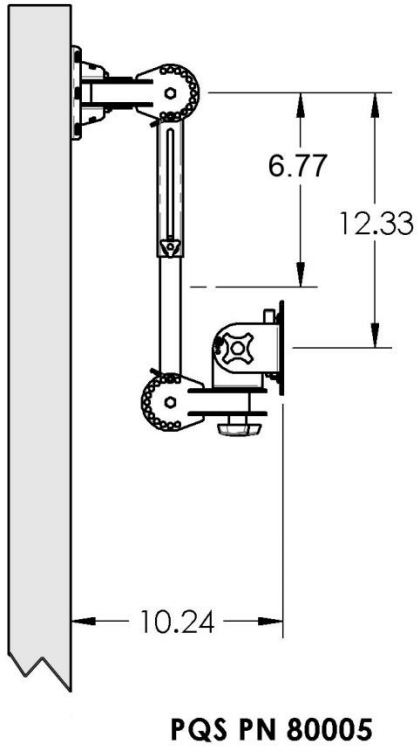
Example shown below – The upper offset bracket is indexed "up" two holes and the lower offset bracket is also indexed the same "up" two holes.

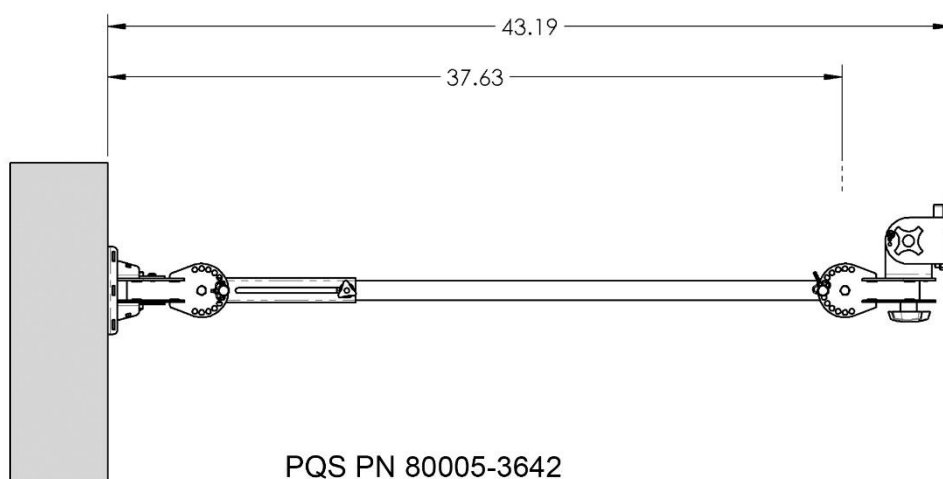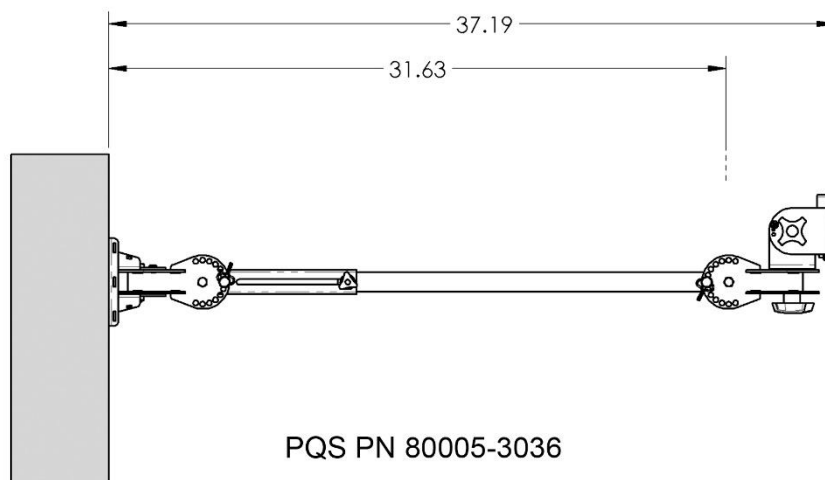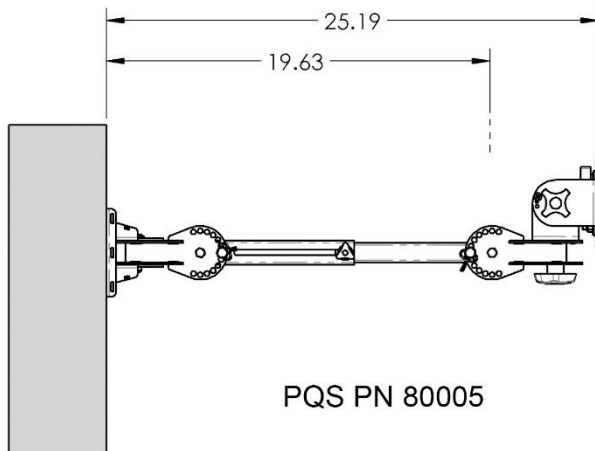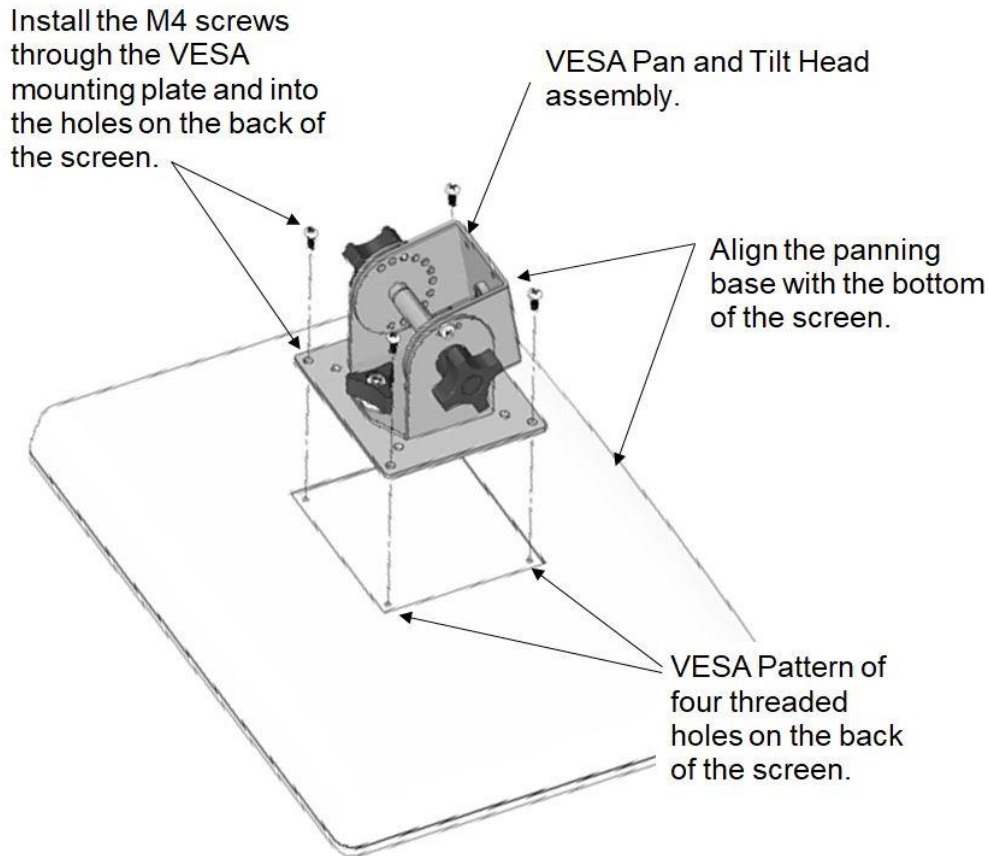Simply tilt the pan and tilt head up or down to perfectly adjust your display screen placement.
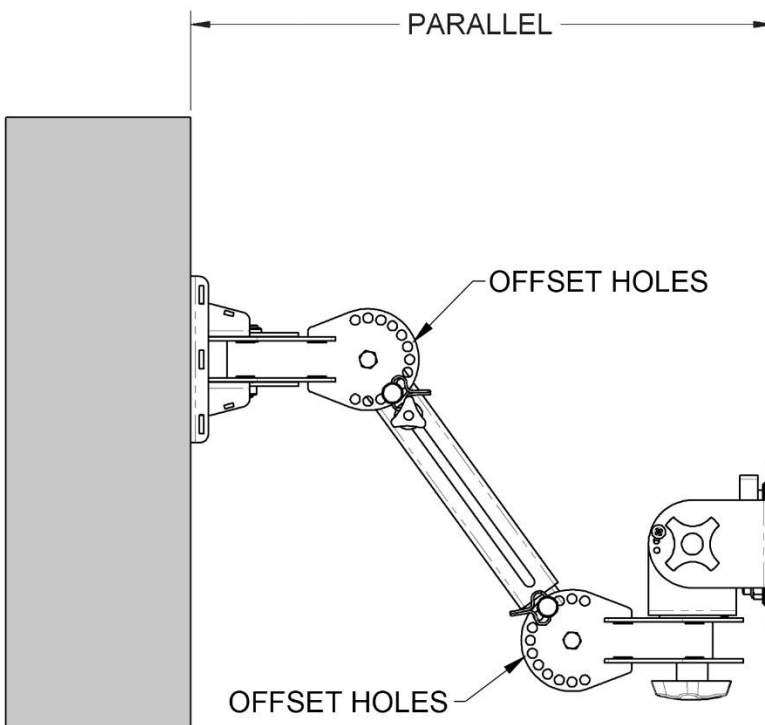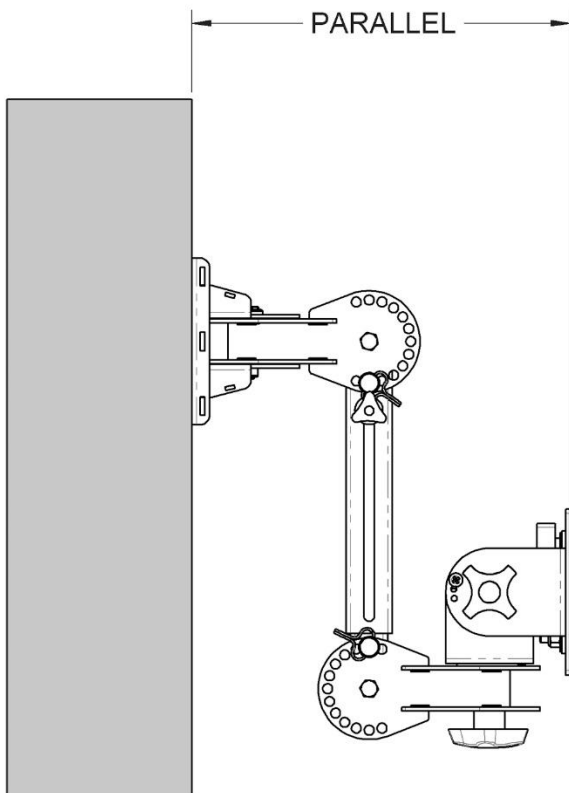
There are three extension arm assembly sections available. Please specify when ordering.

Each assembly is shown with dimensions that reflect the fully retracted and fully extended positions.

PQS PN 80005

6.77
12.33
10.24

PQS PN 80005-3036

18.77
24.33
10.24

PQS PN 80005-3642

24.77
30.33
10.24

Each assembly is shown with dimensions that reflect the fully retracted and fully extended positions. These representations are shown for dimensional comparison only; supporting a screen straight out from a wall as shown is NOT recommended!

PQS PN 80005

PQS PN 80005-3036

PQS PN 80005-3642

Install the M4 screws through the VESA mounting plate and into the holes on the back of the screen.

VESA Pan and Tilt Head assembly.

Align the panning base with the bottom of the screen.

VESA Pattern of four threaded holes on the back of the screen.

Installation Tips - How to Attach the VESA Pan and Tilt Head assembly to the back of a screen:

1. Lay the screen face down on a flat, smooth surface.

2. Hold the VESA pan and tilt head assembly securely, remove the five- point hand knob, lift off the VESA pan and tilt head assembly and remove the rubber clutch washer from the top of the end of the arm.

3. Orient the flat bottom of the panning base of the VESA pan and tilt head assembly with the bottom of the screen.

4. Set the VESA pan and tilt head assembly with the VESA mounting plate facing down on the back of the screen.

4. Align the square pattern of either 75mm or 100mm spaced holes in the VESA mounting plate with the pattern of four tapped holes on the back of the screen.

5. Carefully install the four supplied M4 screws through the holes in the VESA mounting plate and into the tapped holes on the back of the screen.

6. Place the rubber clutch washer on the top of the end of the arm.

7. Carefully lift the screen with the attached VESA pan and tilt head assembly. Align the tapped hole in the panning base with hole in the rubber clutch washer on the top of the end of the arm, reinstall the shaft of the five-point hand knob up through the underside of the arm, through the rubber clutch washer and then carefully thread it into the panning base.
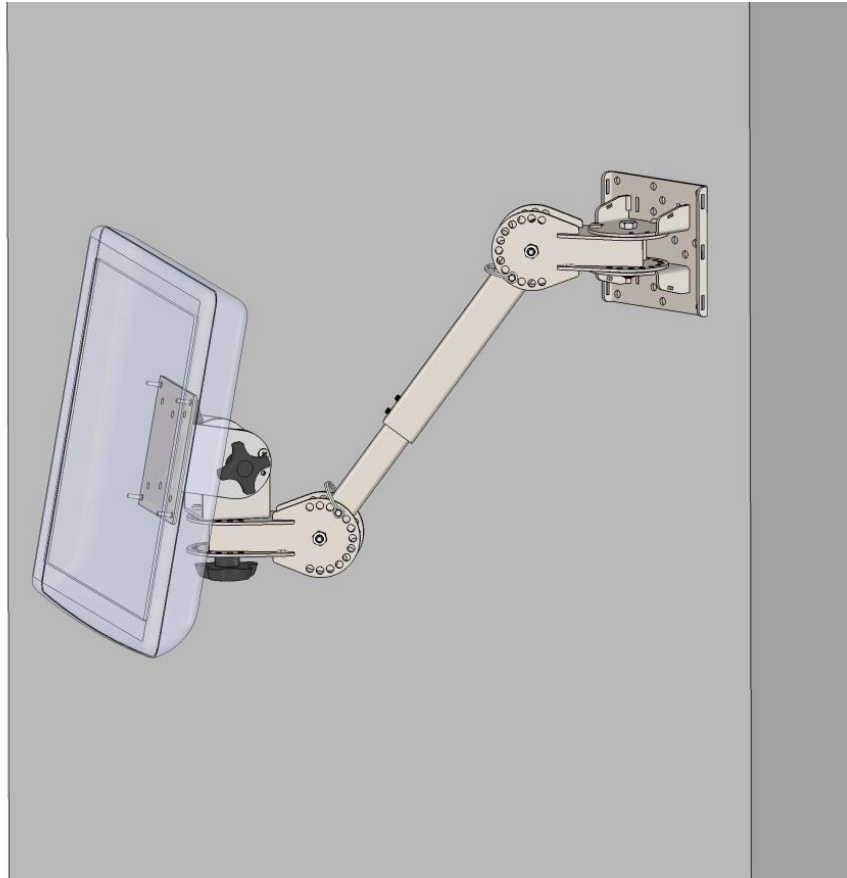
Installation Tips for Screen Mounting Systems

- 1. 1 Installation of this assembly must be performed by qualifed persons.
- 1.2 Use fasteners that are appropriate for the materials and structure of the mounting surface.

## Tips for locating KDS or POS Screen Mounting Systems

- 1.1 Care must be taken when locating KDS or POS Screens so that the display can be easily seen by the users (and in some cases touched) and also so that the screen does NOT block access to the pass through window or items such as ingredients, plates, microwaves, etc. that are located on the adjacent shelves.
- 1.2 As a general rule of thumb KDS and POS screens should be located to place the center of the display at, or just above, eye level.
- 1.3 Most KDS screens are supported by mounting systems that are attached directly to the edge of existing kitchen shelves above a production work station or expo area. POS Screens are most often attached to counter tops, under counter, shelve edges or walls.
- 1.4 Conduct a careful survey of each POS station, kitchen work station or expo area. Stand where the users will be standing at their work stations and consider all possible screen locations. Again, the screens should be located where they are readily accessible; but also where they do not limit access to other important items in the work area.
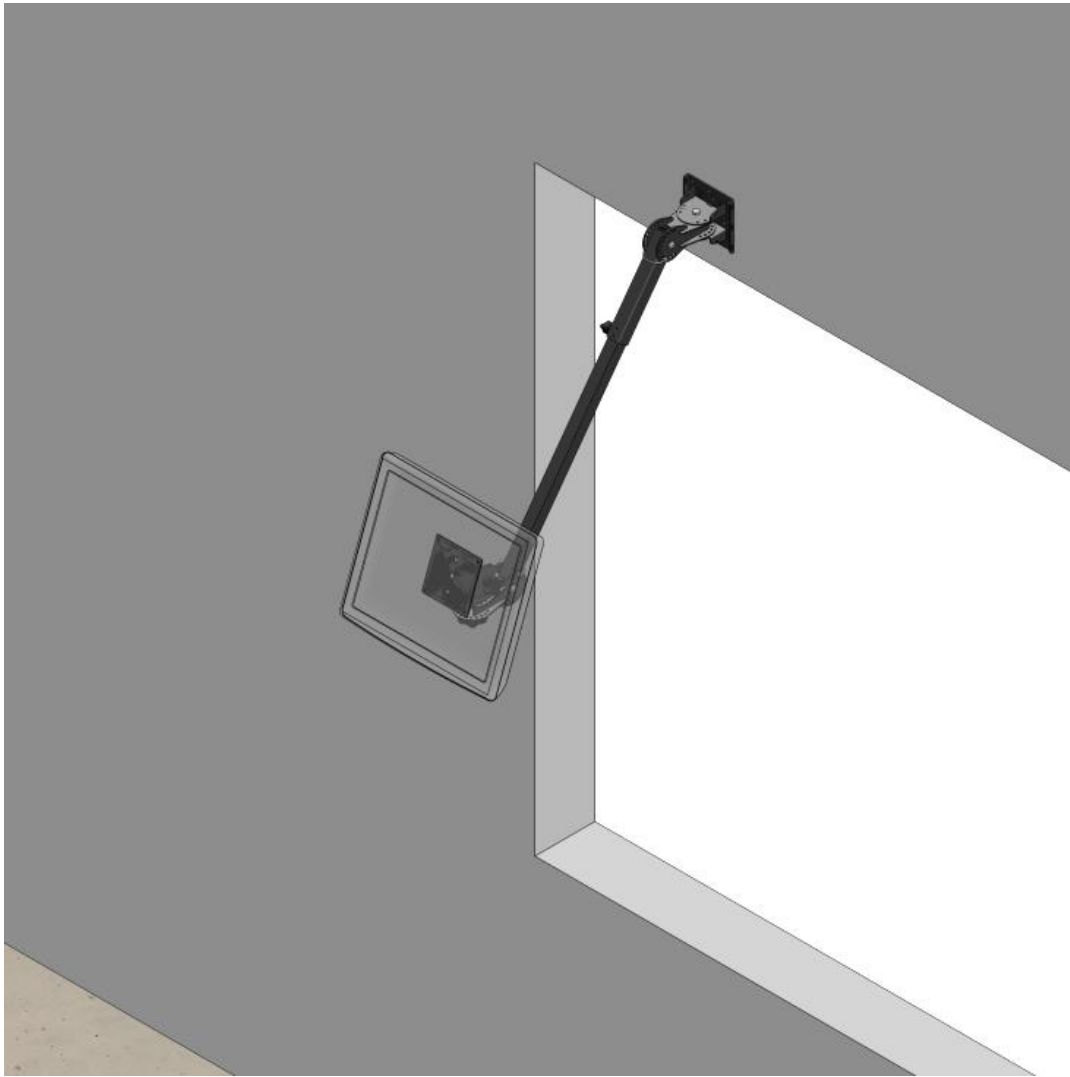
PN 80005-3036

Partial list of Compatible Touchscreen Monitors
- Elo Touchscreen Monitor 0702L, 1002L, 1302L, 1502L, 2002L, 2202L, 2201L, 2402L, 2702L, 1515L, 1517L, 1523L,1715L, 1717L,1723L, 1902L, 1915L.
- Elo Touchscreen Monitor Medical Grade 1903LM, 2203LM 22", 2403LM 24", 2703LM 27".
- Viewsonic Touch screens TD3207, TD1630-3,TD2223 , TD2230, TD2423, TD2430, TD2760.
- Beetronics Inc. touchscreens 7TS7M, 8TSV7M, 10TS7, 10TSV7M, 10TS7M, 12TS7, 12TSV7M, 12TS7M, 13TS7, 13TS7M, 15TS7, 15TSV7M, 15TS7M, 17TSV7M, 17TS7M,19TSV7M, 19TS7M, 22TS7M, 24TS7M.
- Planar Touch Screen Monitors Helium PCT2265, PT2245PW, Helium PCT2235, PXL2230MW, PT1945P, PT1945R, PT1745P, PT1545P, PT1545R.
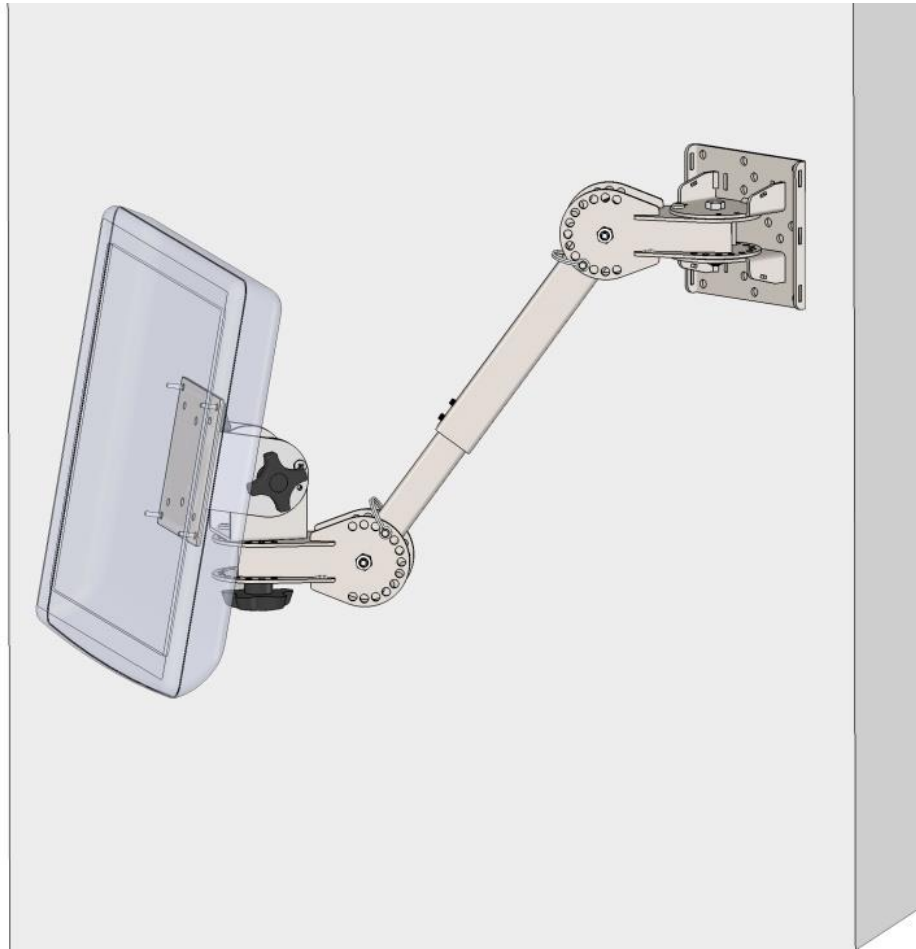
Locating a Screen or Printer mount and examining the Range of Motion of the arm(s).

1.1 Cut a section of blue painter's tape that is the same width as the mounting plate and keep this handy.

1.2 Carefully lift the mounting system, and place the mounting plate in contact with the mounting surface at the proposed mounting location; then consider if the location of the VESA pan and tilt head or printer tray are accessible; but also not creating any conflicts with other items in the work area. If the system has movable arm(s) move these through their entire range of motion and look for conflicts. If conflicts are found adjust the proposed location of the mounting plate as needed. When the optimum location is discoved apply the tape to the spot on the mounting surface.

1.3 An alternate method that can be used as an aid in determining the best location for screens or printers is to make a cardboard cut out that has been shaped to closely match the overall dimensions of the intended screen or printer tray. (In a pinch you can also use a tray or a pizza box as a stand in for a screen.) Use these cardboard models as stand in for the actual equipment to assist in demonstrating the best positions of screens or printers.

3.4 If the screen or printer is supported by an arm; locate the pivot points of the arm and then carefully guide the VESA head or printer tray horizontally through the entire range of movement to determine optimum location for the mounting plate. When this location is discovered apply the tape to the spot on the mounting surface.

Recommended installation;
Touchscreen, wall mount PN 80005
and Ergotron track not included.

PN 50065 Adapter plate

PN 50065 Adapter plate attached
to PN 67075 support bracket.
Shown mounted vertically in
Ergotron type 31 track.

PN 50065 Adapter plate attached to
PN 67075 support bracket. Shown mounted
horizontally in Ergotron type 31 track.

PN 80005 Shown with optional Adapter plate for use with Ergotron track type 31 PN 50065

We believe in ethical SEO relevancy; the following section was included to assist the all-knowing algorithms in locating this page; however, some humans like it too.

- Fully articulated VESA wall mount, VESA wall mounting bracket, VESA wall mount bracket, screen wall mount, screen wall mounting bracket, screen wall mount bracket, monitor wall mount, monitor wall mounting bracket.
- Monitor wall mount bracket, POS terminal wall mount, POS terminal wall mounting bracket, POS terminal wall mount bracket, Point of Sale POS terminal wall mount, Point of Sale terminal wall mounting bracket.
- Point of Sale terminal wall mount bracket, KDS wall mount, KDS wall mounting bracket, KDS wall mount bracket, Kitchen Display System wall mount, Kitchen Display System wall mounting bracket. Kitchen Display System wall mount bracket, Kitchen production System wall mount, Kitchen Monitor wall mount.
- Kitchen video wall mount. Touchscreen wall mount, All in One PC wall mount, Healthcare monitor wall mount, Industrial process monitor wall mount, Kiosk wall mount, Office monitor wall mount, manufacturing process monitor wall mount.

This screen mounting system is compatible with the following POS systems
- Lightspeed, logic controls, NCR, elotouch, posiflex, Poster POS, ehopper, Beetronics, Tysso, favpng, Touch Dynamic, FastSpring, CAKE, Erply, Sapaad,Upserve,Salesforce Commerce Cloud, Block, Miva Merchant, Epos Now, QuickBooks POS, Shopify, VEND, Revel, Clover, CovaPOS, Oracle NETSUITE, MICROS, GoDaddy, Helcim, Epos Now, Upserve POS, Elo, CardConnect, NCR, ALOHA, SQUARE, Posnation, KORONA POS, BEMETECH, toast, Touchbistro, LAVU, Partnertech.

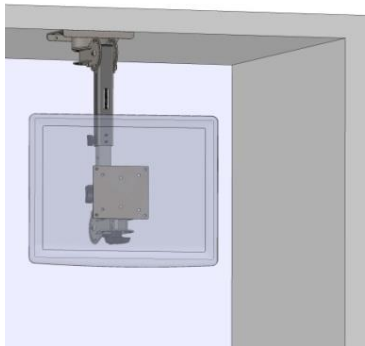Also available in a ceiling mount configuration in three lengths:

The three mounting systems below are available in ceiling mount configuration with similar seven axis functionality.

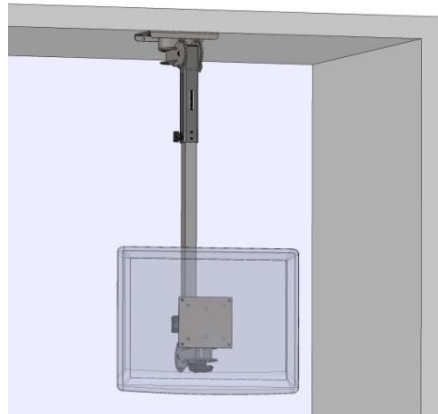PN 80104 Includes an 8.63" long lower arm that allows the mount to extend from 8.8" to 14.4"

PN 80104-2026 Includes a 20.63" long lower arm that allows the mount to extend from 20.8" to 26.4"

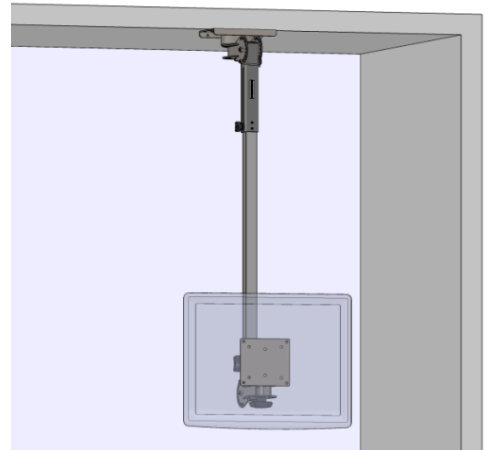PN 80104-2632 Includes a 26.63" long lower arm that allows the mount to extend from 26.8" to 32.4"

Custom length arms are available. Please contact our design team.

PN 80104

PN 80104-20

PN 80104-26

Also available in countertop or shelf edge mount configurations in four lengths.
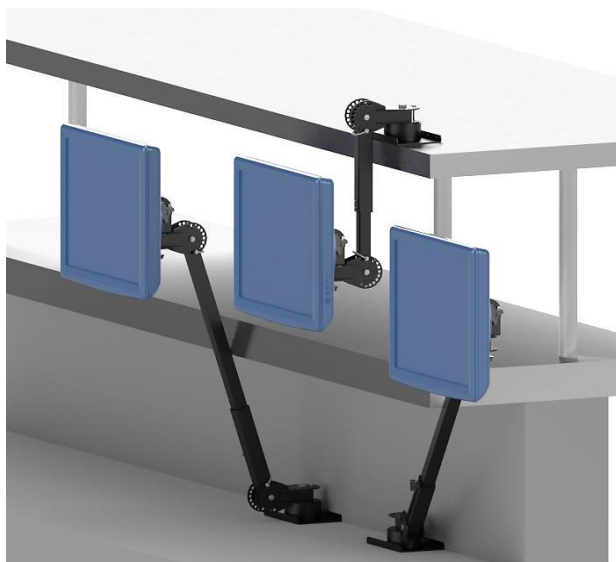
PN 80102-26 left, PN 80102 mid and PN 80102-20 right

PN 80105

ALL PRODUCTS PATENT PENDING
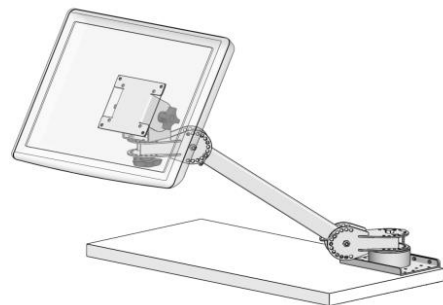
PN 80005
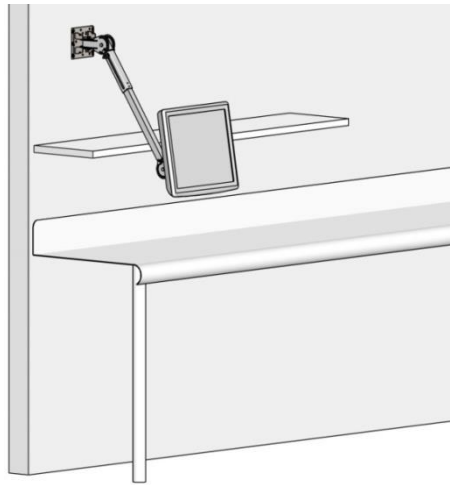
Partial list of Compatible Touchscreen Computers, Interactive displays, All-in-One PCs

- Elo Touchscreen Computer and Interactive displays 10-inch I-Series 4 for Android E389883, E411266, E390647, E411643.
- Elo Touchscreen Computer and Interactive displays 15-inch I-Series 4 for Android E390075, E412033, E391032, E412421.
- Elo Touchscreen Computer and Interactive displays 22-inch I-Series 4 for Android E390263, E412818, E391414, E413211.
- Elo Touchscreen Computer and Interactive displays 15-inch I-Series for Windows (2.0) E691852, E692048, E850204, E850003, E692244, E692448.
- Elo Touchscreen Computer and Interactive displays 22-inch I-Series for Windows (2.0) E692640, E692837, E850591, E850387, E693022, E693211.
- Elo 15-inch (4:3) EloPOS Systems E931330, E931524, E590979, E494164, E587032, E931706, E931896, E590570, E494361, E932090, E932274, E407443, E485078, E590763.
- Elo 15-inch (16:9) EloPOS Systems E440439, E440234, E397891, E441010, E440808, E441385, E441193, E441781, E441575, E262258, E397698, E263402, E442161, E441968, E442550, E442365, E892954, E841559, E877703, E892761, E935572, E935367, E841357, E395937, E935967, E935775, E407627, E880567, E396134, E727037, E936365, E936163, E936750, E936556, E536624, E939305, E939498.
- Elo 17-inch (5:4) EloPOS Systems E402183, E401992, E485278, E484096, E491271, E402576, E402382, E484495, E484291, E491458, E402963, E402781, E484700, E484896.
- 22-inch EloPOS Systems E937154, E936953, E413988, E414192, E511988, E937523, E937340, E612017, E375459, E410884, E910541, E397507, E511785, E937919, E937720, E938297, E938113, E560404, E417915.
- Dell All-in-one OptiPlex 3290, OptiPlex 3090, OptiPlex 7490, OptiPlex 7780, OptiPlex 5480, OptiPlex 5490, Inspiron 24 5000, Inspiron 27 7000.
- HP, HP Chromebase, Envy, AIO, Pavilion, Office 365, All-in-One - 2Z1Z3AV_1, 20W72AA#ABA, 20W60AA#ABA, 3UQ98AA#ABA, 20W59AA#ABA, 20W58AA#ABA, 3UR17AA#ABA, 20W57AA#ABA, 10M73AV_1, 8AJ56AV_1, 3UR10AA#ABA, 20W66AA#ABA, 3UQ97AA#ABA, 22_AiO_O365P_Kit, 3UQ96AA#ABA, 8AJ03AV_1, 3UR18AA#ABA, 3UR02AA#ABA.
- Lenovo IdeaCentre, ThinkCentre F0E5002DUS,   F0FQ0008US, F0EX0001US,   F0FB001RUS, F0FB0077US, F0FB007FUS.
- Cybernet iOne S24, iOne S22, iOne S20, iOne S19.

Interactive Catalog of Wall Mounts for Screens
These mounts are included in the " **Wall Mounts for Screens** " product group pages on our website.
For more information; click on the images or descriptions to visit the individual product pages on our website.
PDF Product Information Sheets are available at the Product Attachments tab on each product page.
Practical Quality Systems Home Page

PN 80910-Gal - Flat Wall Mount 75/100 VESA (Galvanized)

PN 80910-SS - Flat Wall Mount 75/100 VESA (Stainless Steel)

PN 80972-CH - 35LB Swing Arm Mount with a 100mm VESA Pan -Tilt Head (Chrome)

PN 80005-3036 - Wall Mount + 7 Axis 20" Extendable Arm + enhanced 75/100mm VESA Screen Pan - Tilt Head

PN 80005-3642 - Wall Mount + 7 Axis 26" Extendable Arm + enhanced 75/100mm VESA Screen Pan - Tilt Head

PN 80133-CH - Wall Mount + Straight Adjustable length Arm + VESA Pan - Tilt Head

PN 80000 - Wall Mount + 8" arm + 75/100mm VESA Screen Pan - Tilt Head

PN 80004 - Wall Mount + two 8" arms + two 75/100mm Screen Pan - Tilt Heads
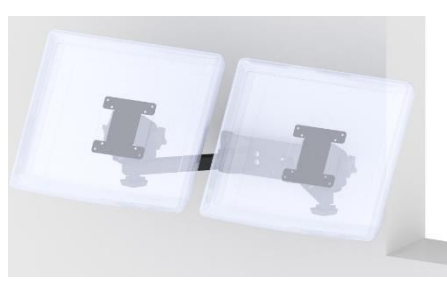
PN 80005 - Wall Mount + 7 Axis Ext. Arm + enhanced 75/100mm VESA Screen Pan - Tilt Head

PN 80020 - Wall Mount + 6" riser, 8" arm, 75/100mm VESA Screen Pan - Tilt Head

PN 80021 - Wall Mount + 3" riser, 8" arm, 75/100mm VESA Screen Pan - Tilt Head

PN 80050 - Wall Mount + 15" Arm + enhanced 75/100mm VESA Screen Pan - Tilt Head

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Practical Quality Systems Home Page

PN 80053 - Wall Mount + 8" arm + 75/100mm VESA Screen Pan - Tilt Head
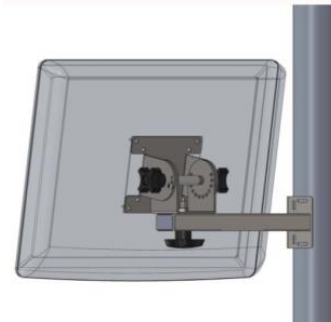
PN 80942 - Tilting Wall Mount 100mm VESA

Interactive Catalog of Product Sub Groups
There are many individual products included in the various product sub groups featured on these pages.
Click on the images or descriptions to visit the individual product sub group pages on our website.
For Information about individual products; click on the "Product Attachments" tab on each of the individual product pages.
Practical Quality Systems Home Page

Wall Mounts for Screens

Wall Mounts for POS Printers

Wall Mounts for Screens and POS Printers
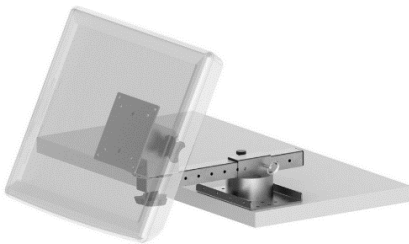
Shelf Edge Mounts for Screens

Shelf Edge Mounts for POS Printers

Shelf Edge Mounts for Screens and POS Printers
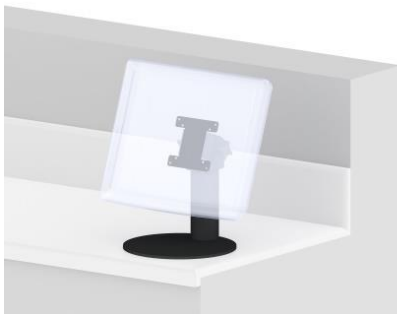
Counter Top Mounts for Screens

Counter Top Mounts for POS Printers
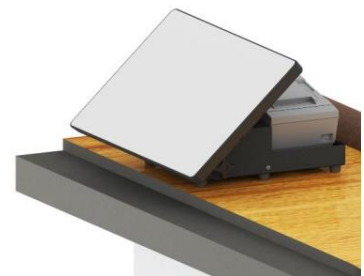
Counter Top Mounts for Screens and POS Printers

Under Counter Mounts for Screens

Under Counter Mounts for POS Printers

Under Counter Mounts for Screens and POS Printers

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**Practical Quality Systems Home Page**

Pole Mounts for Screens

Pole Mounts for POS Printers

Ceiling Mounts for Screens

Oracle MICROS Mounting Systems

NCR Aloha KDS Mounting Solutions

QSR KDS Mounting Solutions

Logic Controls Bematech KDS
Mounting Solutions

Universal Kitchen Display System
Mounting Packages

Enclosures for Touchscreen, Monitors
and Thin Clients
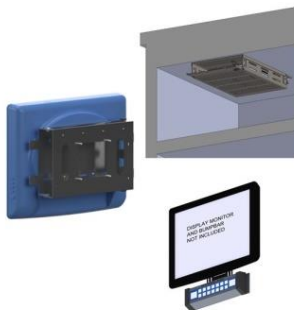
Back Of Screen VESA Mounts for
Controllers, Thin Clients, Bump Bars,
Tap+ Touch + EMV Readers

Stainless Steel Wireways
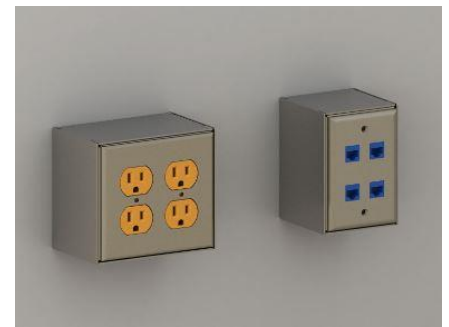
Stainless Steel Power and Data Outlet
Monuments

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Interactive Catalog of Product Sub Groups
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Click on the images or descriptions to visit the individual product sub group pages on our website.
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Practical Quality Systems Home Page
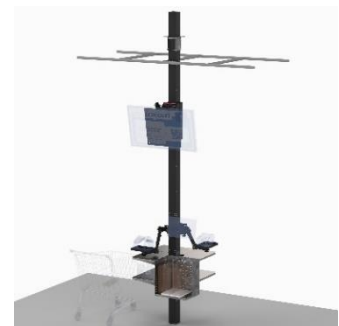

Movable Countertop POS Stands

Direct Mount Countertop POS Stands
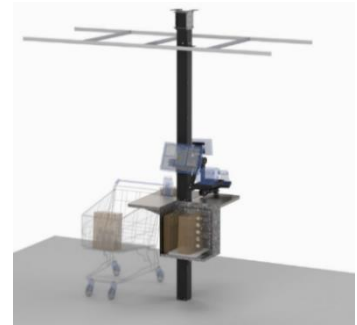
POS Cashier Pole Stands
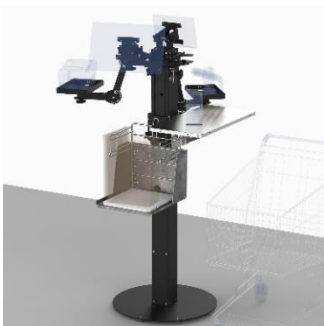
POS Cashier Floor Stands

POS Self-Check Out Kiosk Floor Stands

POS Self- Check Out Kiosk Pole Stands

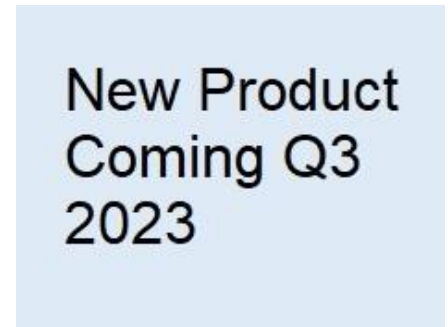Take Out Pickup Pole Stands

Take Out Pickup Floor Stands

Information Kiosk Floor Stands
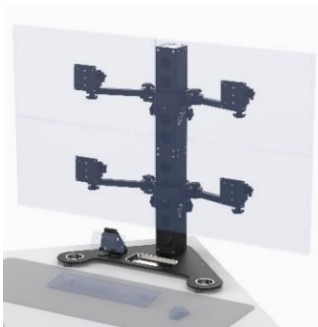
Desktop Multi-Screen Pedestal Stands

4X4 Pole Clamp on Mounts

New Product Coming Q3 2023

Mobile Cashier Stands

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Mobile Self-Check Out Stands
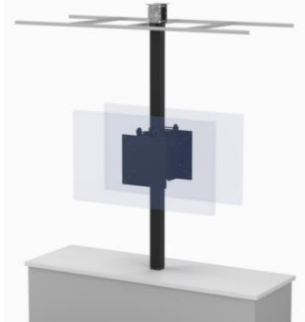
Digital Signage Pole Stands

Stationary Podiums

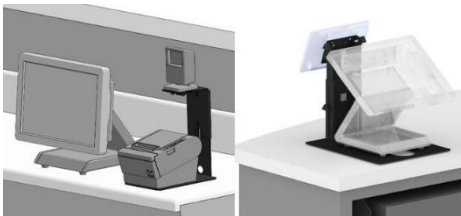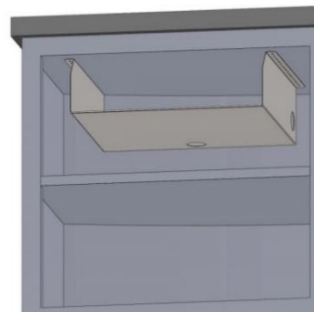Stationary Podiums with Ceiling Feed Pole

Mobile Podiums

Ingenico Lane Reader Mounting Systems

Other Counter Top Mounts

Cash Drawer Mounting Solutions