

LHC Arm research

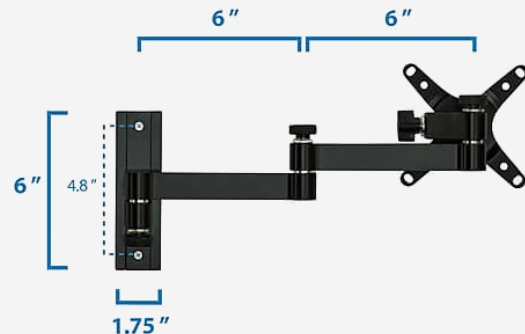
Options for Off-the-Shelf design components

Limited Off-the-Shelf Adjustability



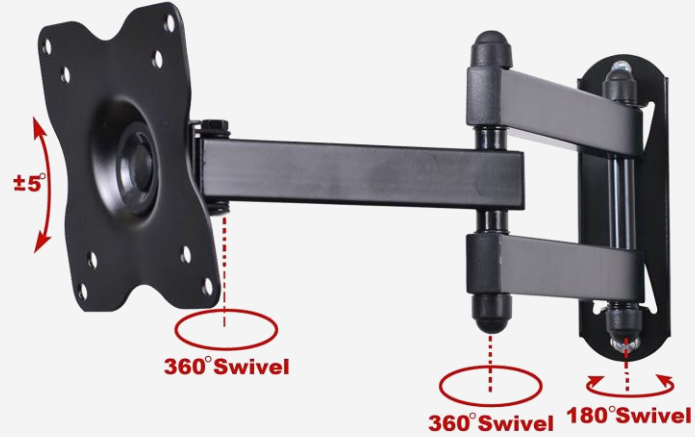
Notable Features

- Max extension: **18 inches**
- Vertical range: **0 inches**
- Max weight: **33lbs**
- Cost: **\$95**
- <https://www.homedepot.com/p/TygerClaw-Single-Arm-Desk-Mount-for-10-in-24-in-Monitor-LCD6406BLK/206443958>



Notable Features

- Max extension: **14 inches**
- Vertical range: **0 inches**
- Max weight: **33lbs**
- Cost: **\$26**
- https://www.staples.com/Mount-It-MI-404-Single-Monitor-Wall-Mount/product_2093816?cid=PS:GooglePLAs:2093816&ci_src=17588969&ci_sku=2093816&KPID=2093816&gclid=CjwKCAiAkrTjBRAoEiwAXpf9CemhWkvrqQpRPm2UHaQCJP1pc_sjX7CAIpmUvVnRXctuQ1UlnkEHbPhoCG64QAvD_BwE#



Notable Features

- Max extension: **15 inches**
- Vertical range: **0 inches**
- Max weight: **44lbs**
- Cost: **\$14**
- <https://www.amazon.com/VideoSecu-Monitor-Extension-Articulating-100x100/dp/B003O1UYHG>



Notable Features

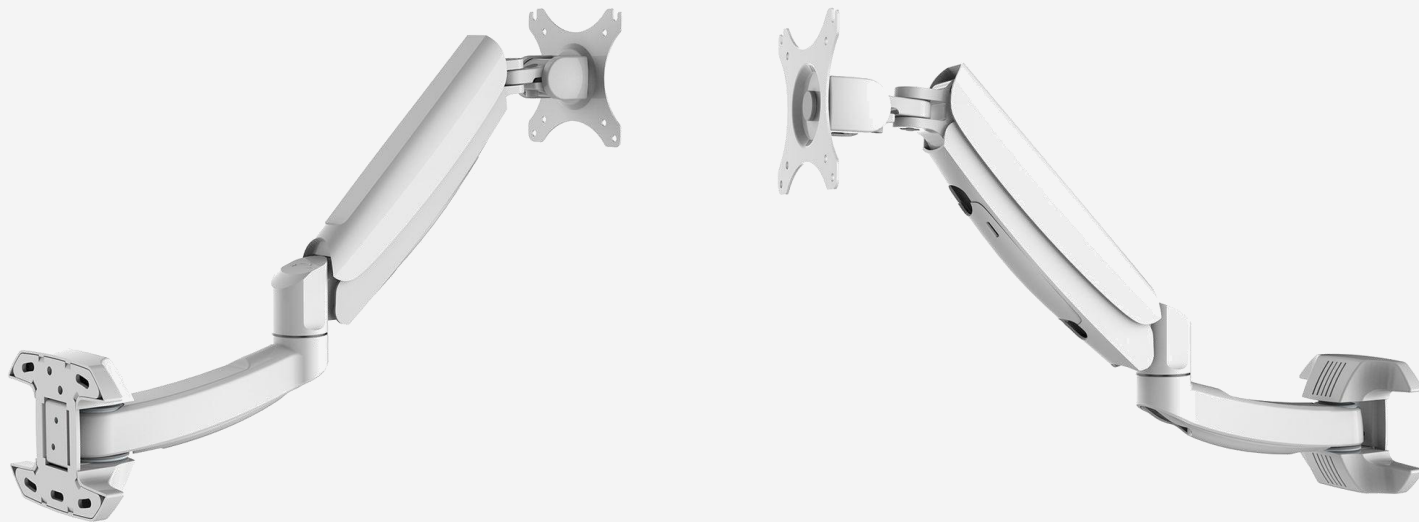
- Max extension: **15.75 inches**
- Vertical range: **0 inches**
- Max weight: **44lbs**
- Cost: **\$19**
- Many mounting hole options
- <https://www.homedepot.com/p/SwiftMount-Full-Motion-TV-Mount-for-0-in-39-in-Flat-Panel-TVs-SWIFT240-AP/205614325?MERCH=REC--undefined--207145063--205614325--N>

Full Off-the-Shelf Adjustability



Notable Features

- Max extension: **15.25 inches**
- Vertical range: **0 inches**
- Max weight: **10lbs**
- Cost: **\$139**
- <https://www.mcmaster.com/5031t25>

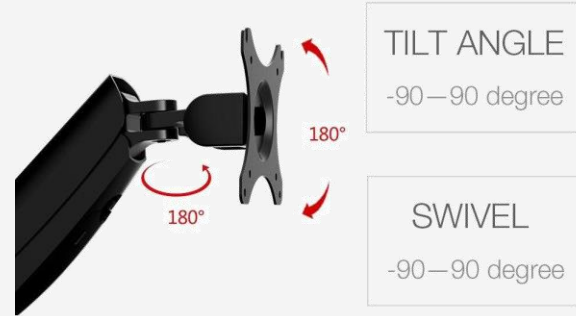


Notable Features

- Max extension: **22.4 inches**
- Vertical range: **-2.6 to +9.2 inches**
- Max weight: **11lbs**
- Cost: **\$53**
- <https://www.homedepot.com/p/FLEXIMOUNTS-Full-Motion-LCD-Arm-Monitor-Wall-Mount-for-Most-10-in-24-in-Flat-Panels-Screen-for-Dental-Clinic-M09W/207145070>

Tilt & Swivel Function

good solution to cervical vertebrae fatigue, swivel out a healthy body.



Cable management system

unsightly cables can be concealed effectively making the whole computer set clean and tidy.



Free Gas Springs Hovering System

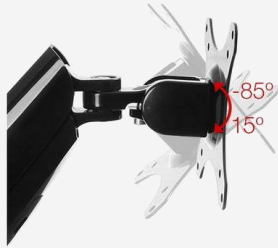


Notable Features

- Max extension: **22.4 inches**
- Vertical range: **-2.6 to +9.2 inches**
- Max weight: **11lbs**
- Cost: **\$51**
- <https://www.homedepot.com/p/FLEXIMOUNTS-Full-Motion-LCD-Arm-Monitor-Wall-Mount-for-Most-10-in-24-in-Flat-Panels-Screen-for-Dental-Clinic-M09/207145069>

Tilt & Swivel Function

good solution to cervical vertebrae fatigue. swivel out a healthy body.



Tilt Angle
-85°-15°

Swivel Function
±90°

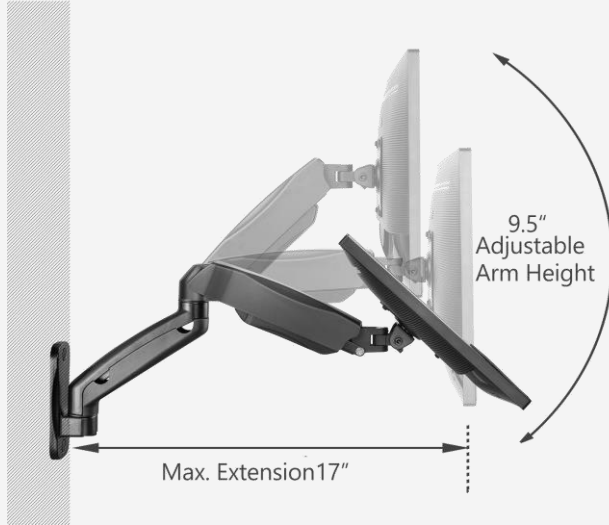


Notable Features


- Max extension: **20 inches**
- Vertical range: **15.7 inches**
- Max weight: **11lbs**
- Cost: **\$42**
- <https://www.homedepot.com/p/FLEXIMOUNTS-Desk-Mounts-Stand-Monitor-Arm-for-10-in-24-in-LCD-Screens-Both-Clamp-or-Grommet-Support-M01/207145066>

Dynamic Height Adjustability

easy to find the optimal ergonomic position across even a large desktop





More Features


 Up to 14.3lbs


 Up to 27"

 75x75/100x100mm

 Tilt +75/-45°

 Swivel +/-90°

 Demountable Plate

 Rotate +/-180°

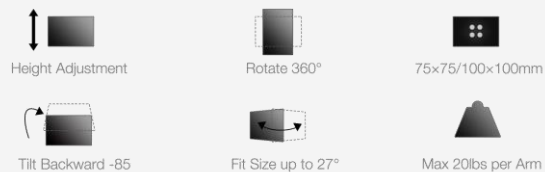


Cable Management



Notable Features

- Max extension: **17 inches**
- Vertical range: **13 inches**
- Max weight: **14.3lbs**
- Cost: **\$34**
- https://www.amazon.com/dp/B01NBYJ6X6/ref=psdc_10967501_t1_B010QZCT5W



Fully adjustable design to satisfy all your need

Damping Adjustment of Display Elevation Angle

Humanized damping adjustment system, according to the display weight, adjust the screws on the both sides to satisfy different need.



Damping Pneumatic Control System

Turn in clockwise to reduce tension to fit lighter monitors, and counter-clockwise to increase tension to adapt heavier monitors.



Air pressure spring arm system

Notable Features

- Max extension: **23.5 inches**
- Vertical range: **18.5 inches**
- Max weight: **19.8lbs**
- Cost: **\$71**
- https://www.amazon.com/dp/B077HWP67J/ref=psdc_10967501_t3_B010QZCT5W



Notable Features

- Max extension: **24.4 inches**
- Vertical range: **11.8 inches**
- Max weight: **19.9lbs**
- Cost: **\$102**
- https://www.staples.com/StarTech-com-Single-Monitor-Arm-for-12-30-Screen-Black-ARMPIVWALL/product_IM14T5607



Notable Features

- Max extension: **33.5 inches**
- Vertical range: **20 inches**
- Max weight: **25lbs**
- Cost: **\$156**
- https://www.amazon.com/dp/B00BCA41C0/ref=psdc_10967501_t2_B010QZCT5W



Notable Features

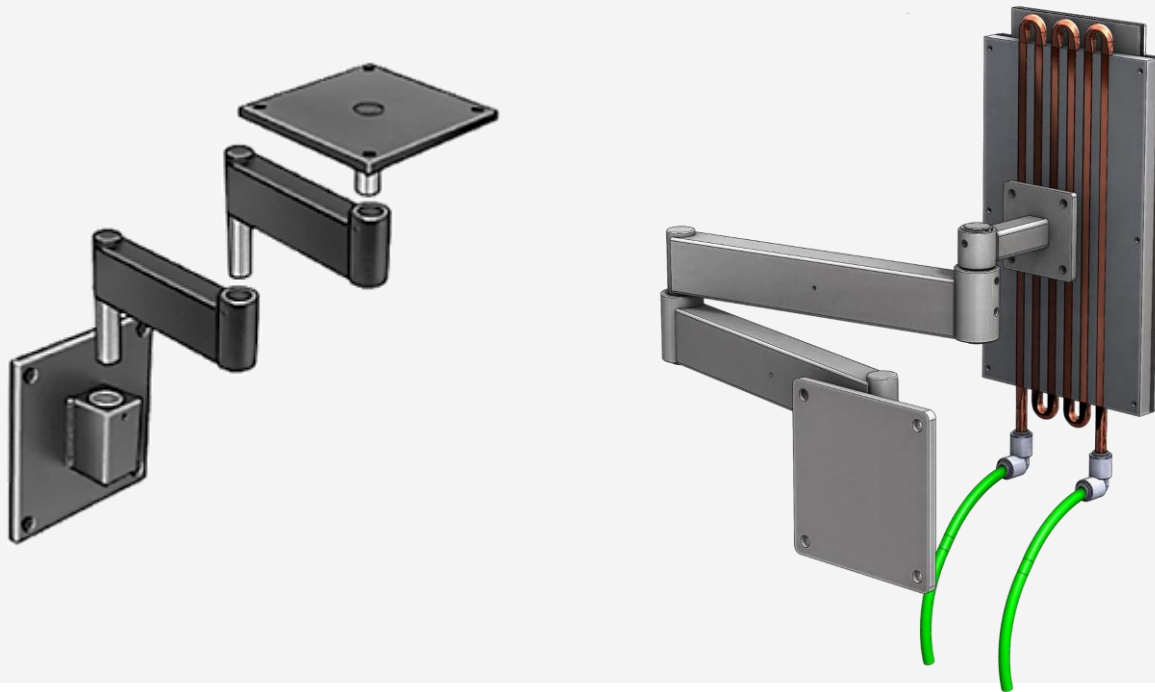
- Max extension: **25 inches**
- Vertical range: **13 inches**
- Max weight: **25lbs**
- Cost: **\$169**
- https://store.ergotron.com/lx-wall-monitor-arm.html?gclid=CjwKCAiAkrTjBRAoEiwAXpf9CWHRhWNPFJsJUTjkVDofaTBnPI_FV5V9_O1N71_YS-cPKZZP8H4w-RoCiyQQAuD_BwE



Notable Features

- Max extension: **24 inches**
- Vertical range: **12 inches**
- Max weight: **44lbs**
- Cost: **\$82**
- <https://www.displays2go.com/P-22475/Wall-Mounted-Monitor-Arm-for-Full-Motion-Mounting-Solutions>

Build-Your-Own



Notable Features

- Max extension: **24 inches**
- Vertical range: **0 inches**
- Max weight: **100lbs**
- Cost: ~\$320
- <https://www.mcmaster.com/=1gvcvzd>



Notable Features

- Max extension: **28 inches**
- Vertical range: **12 inches**
- Max weight: **35lbs**
- Cost: ~\$200
- <https://www.mcmaster.com/=1gvczl0>

Thank You.