

Right Height TV Mount Assembly & Installation Directions

Mounting the Right Height mount correctly takes a lot of thought and a lot of planning. Please read the directions thoroughly and plan out how the mount would be installed best for your use. Each Setup will be different and these directions cannot account for every situation. Failure to do so may result in Damage, Injury, or Death. Dynamic Mounting is not responsible for any damage, injury, or death resulting from improper mounting or use of the Right Height TV mount.

These instructions are only a guide and the consumer is responsible for correct and secure mounting. The person installing the mount should be a competent person with experience mounting load bearing assemblies. For any questions or concerns, please contact Dynamic Mounting at Info1@DynamicMounting.com.



CAUTION: This wall mount is intended for use only with the maximum weight of 70 lbs. Use with heavier than the maximum weights indicated may result in instability causing possible injury.

ATTENTION: Ce support mural est destiné à être utilisé uniquement avec le poids maximum de 31.7 kgs. Utiliser avec plus lourds que les poids maximaux indiqués peut entraîner une instabilité et provoquer des blessures.

Potential Heat Damage: Dynamic Mounting takes no responsibility for damage caused from the fireplace or other heating sources to the television, mount, or other accessories. Damage could be done when the mount is down, out, or even up. It is up to the consumer to take the proper precautions to avoid damage. Electrical equipment can overheat easier than expected. Dynamic Mounting recommends against having fires in the fireplace whenever there is electrical equipment around.

Note: Do NOT move more than half of your TV below a mantel located above a fireplace. When mounting the Down and Out Recess Mount over a fireplace with a mantel, do NOT install the Mount such that more than half of your TV can be moved below the mantel.

Specifications

- Fits most Flat and Curved Televisions 40 inches and larger to 70 lbs. Check television weight and mounting hole pattern for compatibility with your television.
- **Note for smaller televisions;** the mount may be wider or taller than the television. If this is the case then the mount may be visible in the top position. See Figure 2, Figure 3, or Figure 4.
- Handles flat panel and curved televisions, 15 to 70 lbs.
- Allowable television mounting pattern: 7.1in (180mm) to 27.2in (692mm) wide, up to 19.8in (502mm) high. Works with all VESA patterns in that range, See Figure 2, Figure 3, or Figure 4.
- Product Dimensions: See Figure 2, Figure 3, or Figure 4, depends on the wall mounting configuration.
- Product Weight: 19 pounds
- Tilt is 6.5 degrees +/-1 degree in the top position
- Tilt is Vertical +/-1 degree in out through bottom positions

FAQ

- **Why are there 3 different mount choices?** See the “Stud Spacing” section on page 3.
- **Where do I mount over a shelf?** See the “Above Shelf Mounting” section on pages 10.
- **Mount is really hard to move/actuate.** See the “Adjusting the Counterbalance” section on page 11.

CAUTION: These wall mounting instructions and hardware are for mounting to wood studs only. It is up to you to verify that the material supplied will work for your setup; other materials may need to be purchased by you. For concrete, brick or other mounting materials consult an expert.

Consult your TV’s owner manual before mounting your television, it contains relevant information.

Tools Needed

- 1/2 inch box or ratchet wrench
- 9/16 inch box or ratchet wrench
- 1/4 inch Drill Bit
- Drill
- Tape Measure
- Stud Finder
- Level
- Phillips Screwdrivers
- A friend or 2, depending on how heavy your television is



Parts Included

- 1 Right Height mount
- 2 TV Hangers
- 2 #10 x 7/8 inch long machine screw with washer for mounting the TV Hangers to the Right Height mount (These are threaded into the TV Hangers, you need to remove before attaching TV to TV Hangers)

Various Items (All in One Bag)

- 4 3/8 inch by 3 inch long lag screw with washer
- 4 Zip Ties
- 2 Adhesive Rubber Bumpers (Stick these to the mount to help protect the Shelf)
- 4 Lag Screw Cover
- 4 Washer for Lag Screw Cover

Fasteners for Mounting the Television to the TV Hangers (All in One Bag)

- 4 M6 x 20 mm (.78in) long Phillips head machine screw
- 4 M6 x 35 mm (1.38in) long Phillips head machine screw
- 4 M8 x 20 mm (.78in) long Phillips head machine screw
- 4 M8 x 35 mm (1.38in) long Phillips head machine screw
- 8 1/4 inch tall plastic spacers
- 4 3/32 inch tall plastic spacers
- 4 Steel M6 washers

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Which Mount to Choose

The mount comes in 3 different wall mounting configurations. The one you need to purchase depends on the support in the wall you have. We recommend determining the support you have in the wall before ordering.

16in Stud Spacing

- For two studs spaced 17 to 2 inches apart (standard Stud spacing is 16in)
- For stone or brick wall (you will have to supply your own mounting hardware)

24in Stud Spacing

- For two studs spaced 17 to 25 inches apart, (standard Stud spacing is 24in)

Single Stud Spacing

- For one stud on the center line of the TV

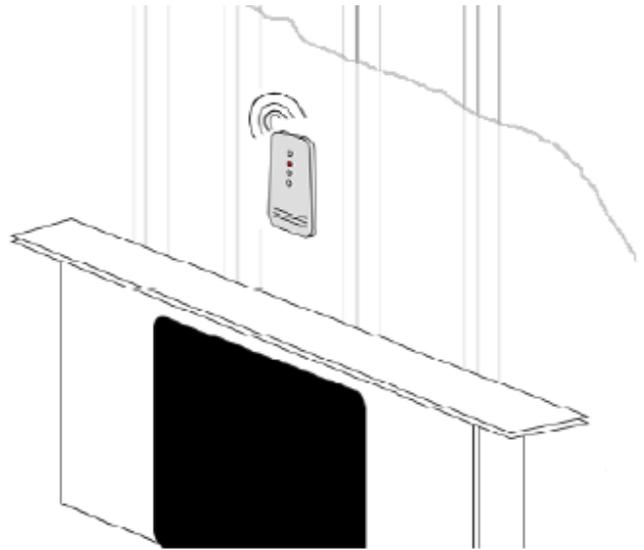


Figure 1, Determine Setup with Stud Finder

Important: The TV needs to be centered on the mount to avoid leaning

Take this into consideration when determining which mount will work for you. For the 16in and 24in Stud Spacing, the horizontal bars can be moved to the left or right if the studs are not straddling the center line of the TV perfectly. See the Adjusting the Horizontal Supports Section for details.

16in Stud Spacing or Brick/Stone Wall Dimensions

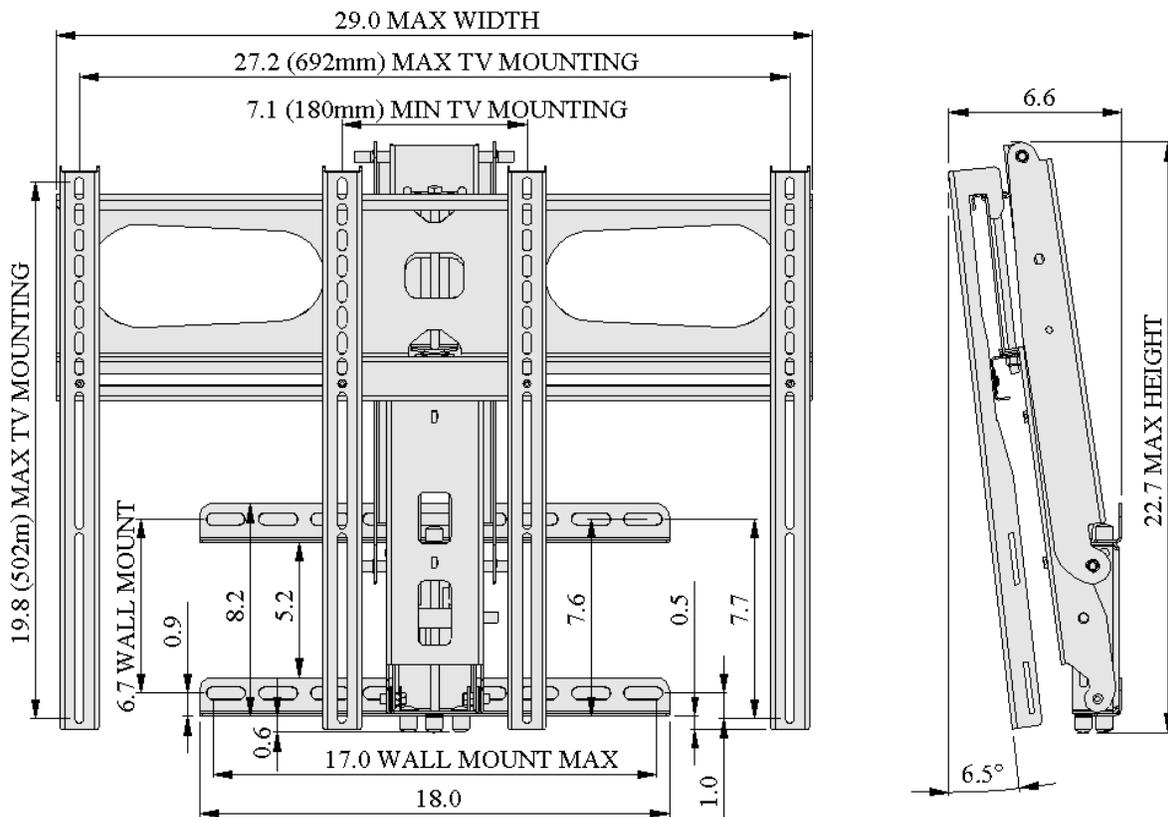


Figure 2, 16in Mount Overall Size

Television Mounting Hole Pattern Range, Wall Mounting Hole Pattern Range when in Top Position

Note: Mounts Only Comes with 2 television Mounting Arms, Not the 4 Shown

24in Stud Spacing Dimensions

Install Video at www.DynamicMounting.com/Install

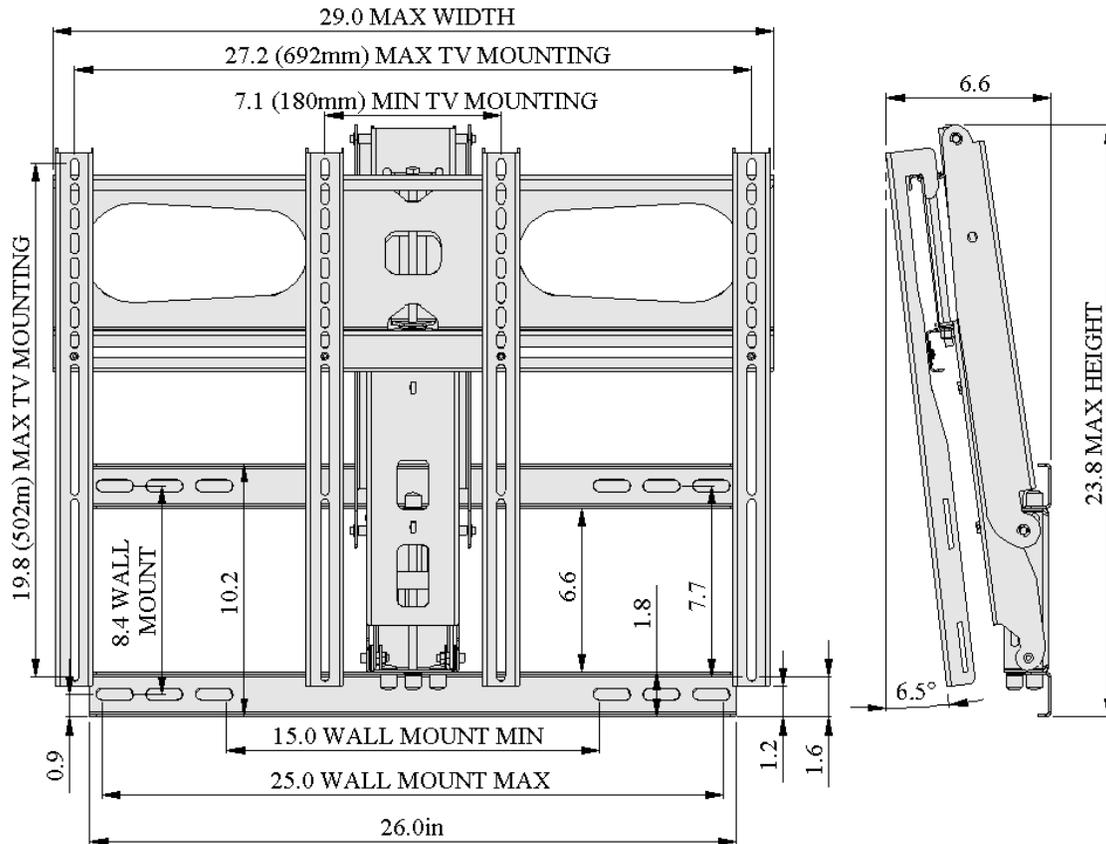


Figure 3, 24in Mount Dimensions when in Top Position

Note: Mounts Only Comes with 2 television Mounting Arms, Not the 4 Shown

Single Stud Spacing Dimensions

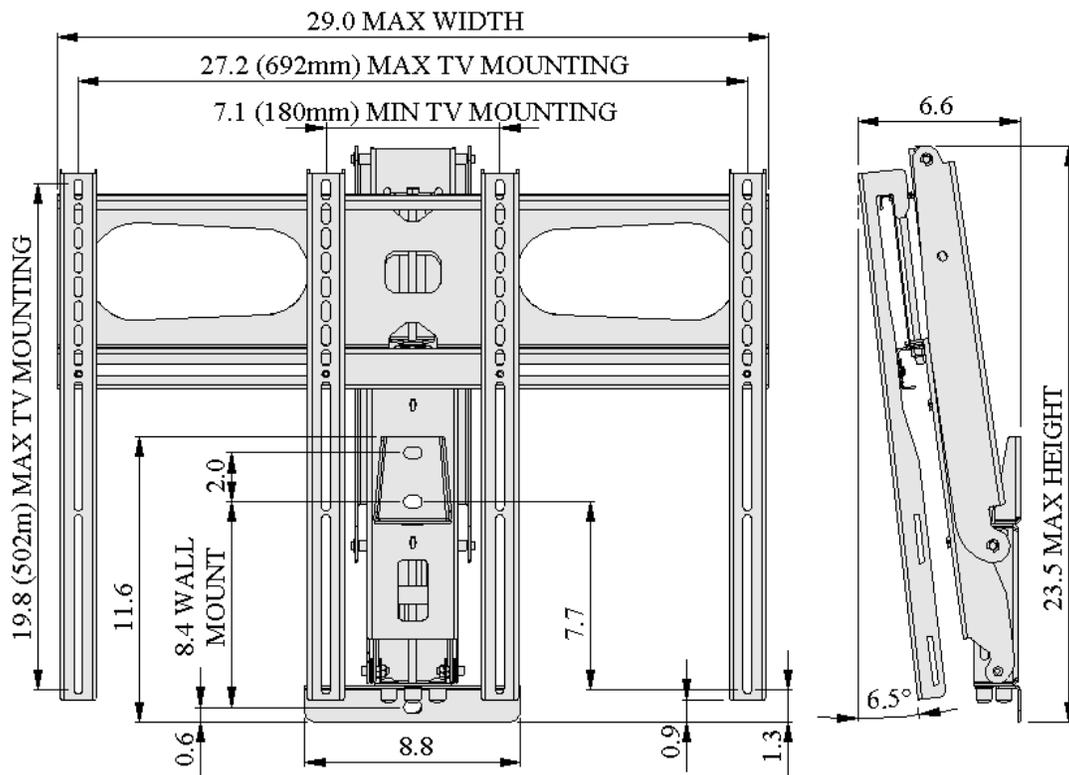


Figure 4, Single Stud Mount Overall Size

Note: Mounts Only Comes with 2 television Mounting Arms, Not the 4 Shown

Mount Movement

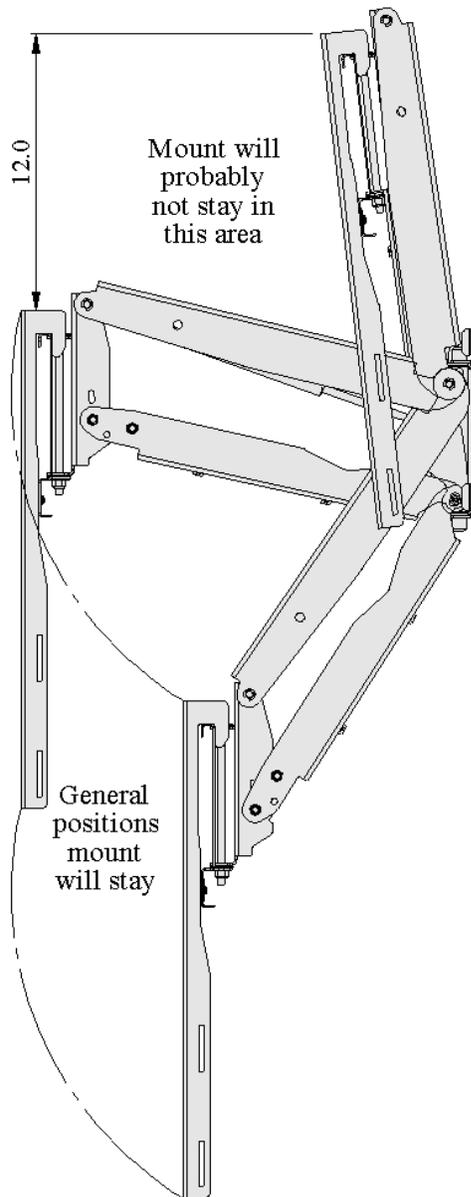


Figure 5, Positions Mount Will Stay At

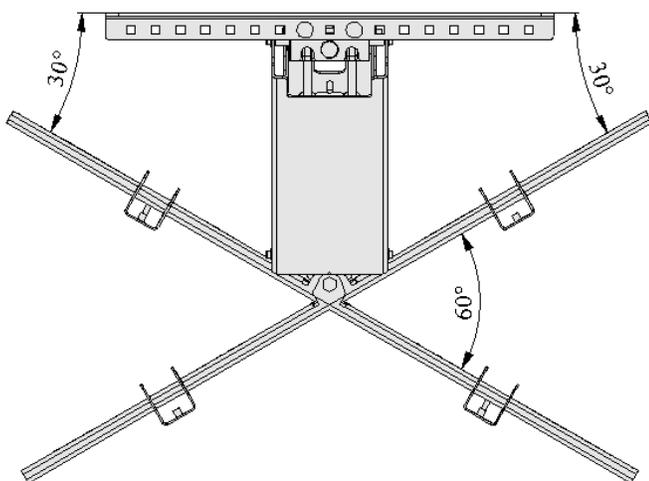


Figure 6, Max Mount Swivel (Shown in Bottom Position)

Positions Mount Will Stay At

The Right Height mount has a range of positions the mount will hold the TV at. The general range is shown in Figure 7. The mount can always stay in the top position.

From the top position down 14 inches the mount can be set to stay but the angle may not be vertical and the TV will not have a wide range of positions to stay at. The Mount really isn't designed to hold the TV in this range.

From 14 inches to all of the way down the mount can be set to stay in a wide range of positions. Depending on the weight of your TV the range will vary. For lighter TVs the mount may stay in the entire bottom range. For Heavier TVs the mount may only have a range of about 8 inches.

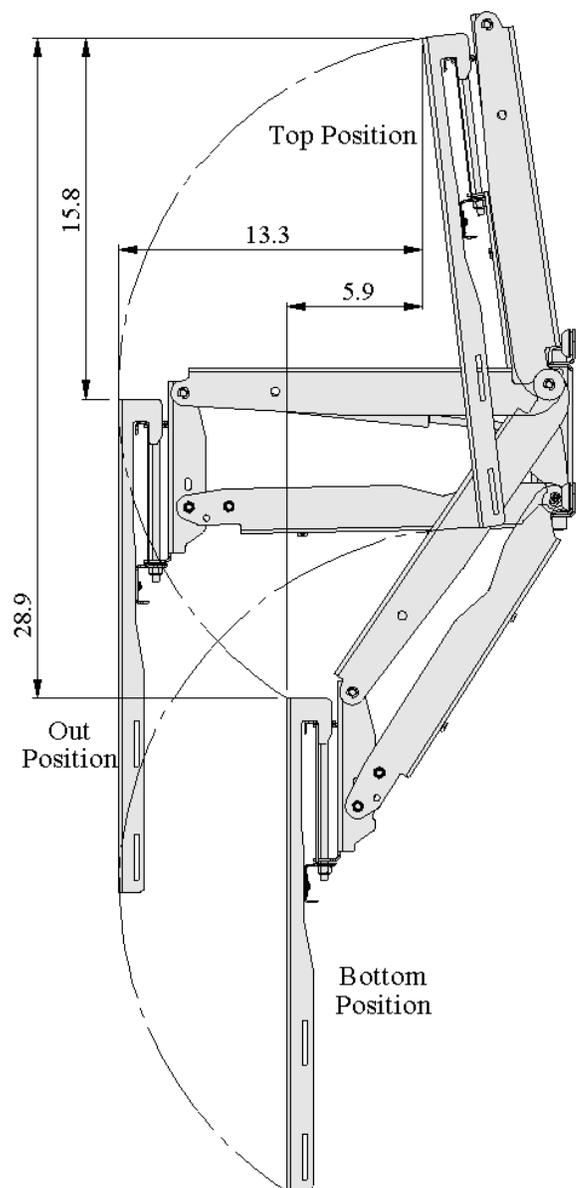


Figure 7, Mount Travel

Note: Angle Tolerance is +/- 1 Degree

Adjusting the Horizontal Supports

For Situations where the Studs are not centered on the TV, you can move the Horizontal Supports to where you need them.

1. Move the Counterbalance down to the Maximum Counterbalance Force as shown in Figure 19 to more easily access the top.
2. Remove the black covers to access the Locknuts.
3. Use a 1/2in wrench (a 1/2in ratchet wrench with extension will make this easier) to undo the nuts.
4. Move the Horizontal Supports to the side as needed, see Figure 8 and Figure 9 for examples.
5. Tighten the nuts back down and put the caps on.
6. Adjust the Counterbalance Force to the needed height. See the Adjusting the Counterbalance section.

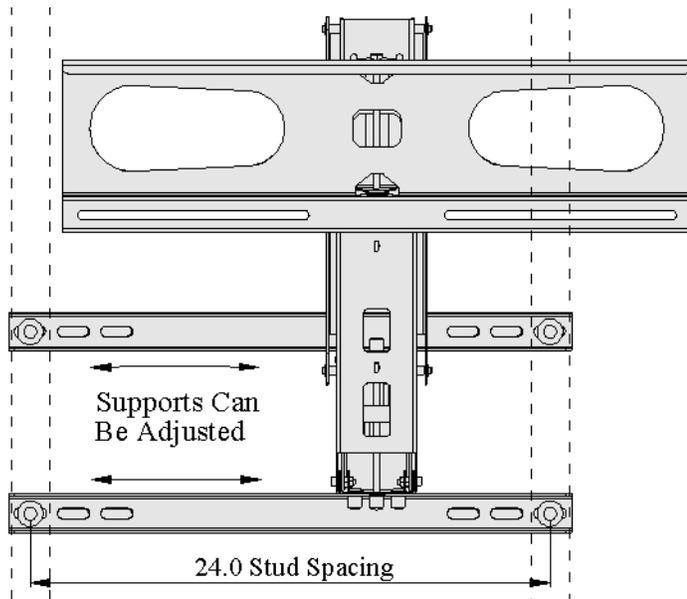


Figure 8, Adjusting Horizontal Supports on 24in Studs

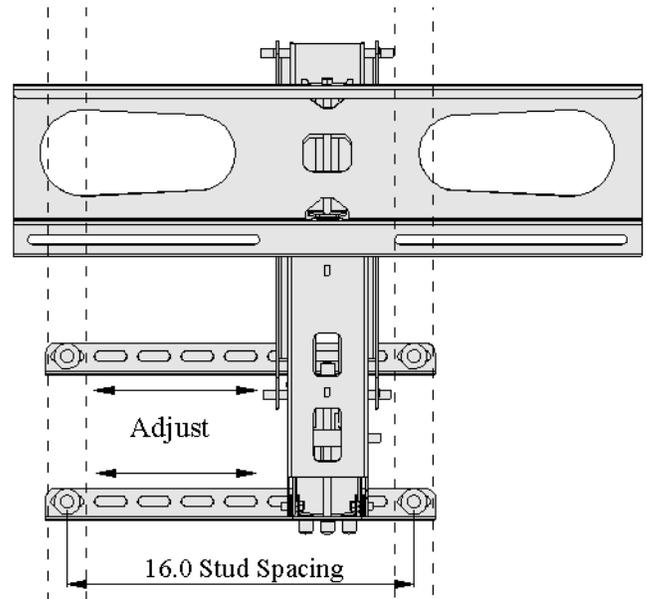


Figure 9, Adjusting Horizontal Supports on 16in Studs

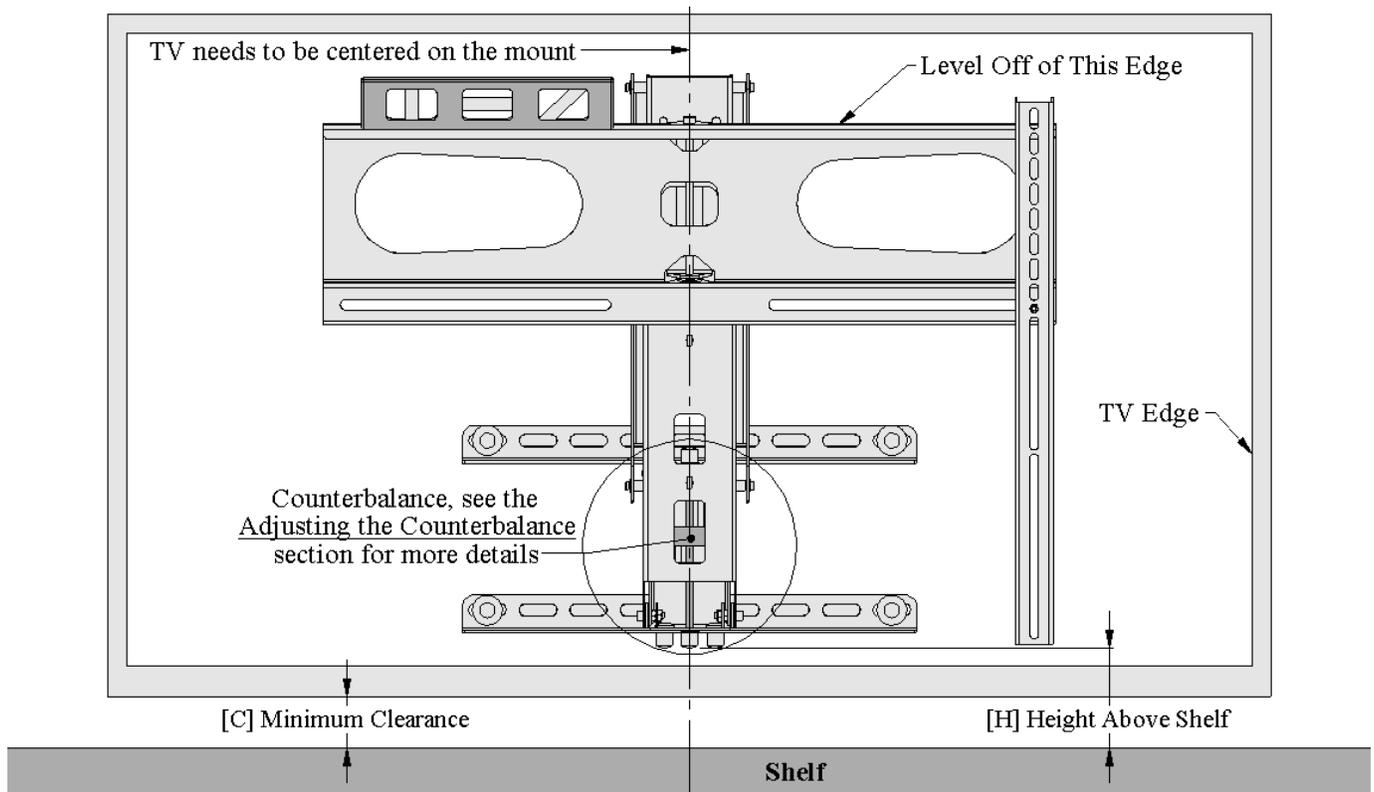


Figure 10, Mount and TV Positioning

Determining Where to Put Mount

1. Extra thought and planning is needed when mounting over a shelf; see the Above Shelf Mounting section below for more details and relevant dimensions. Find the needed distances [H] and [C] for your shelf depth [D].
2. To find out how the mount relates to the television you should do a test fitting on the ground.
3. If attaching a speaker lay that out also with the speaker bracket.
4. Figure 11 shows the important things to look for and measure.
5. If mounting over a shelf, make sure the [H] and [C] minimum distances are satisfied.
6. The cardboard box the mount ships in has an outline of the bracket that attaches to the wall, cut out to use.

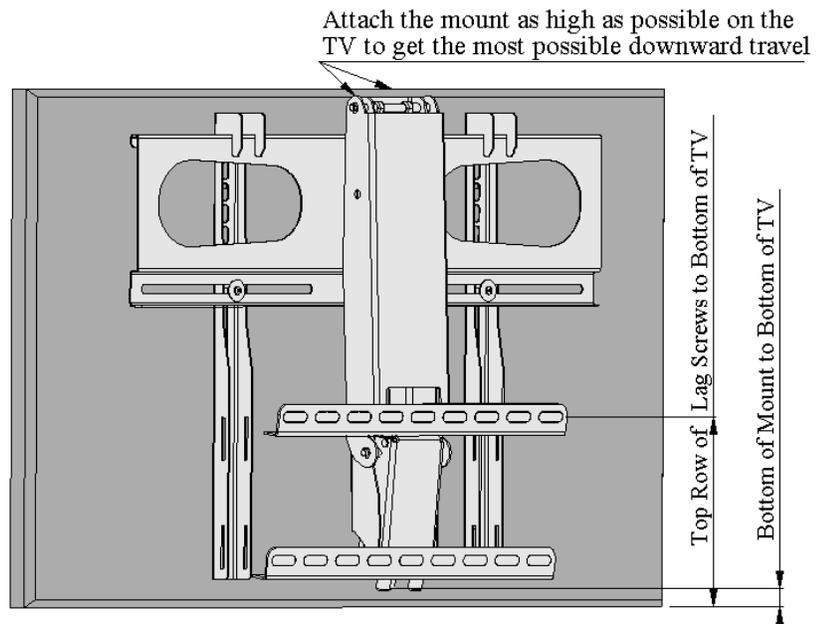


Figure 11, Mount Test Fitting

Attaching TV Hangers to Television

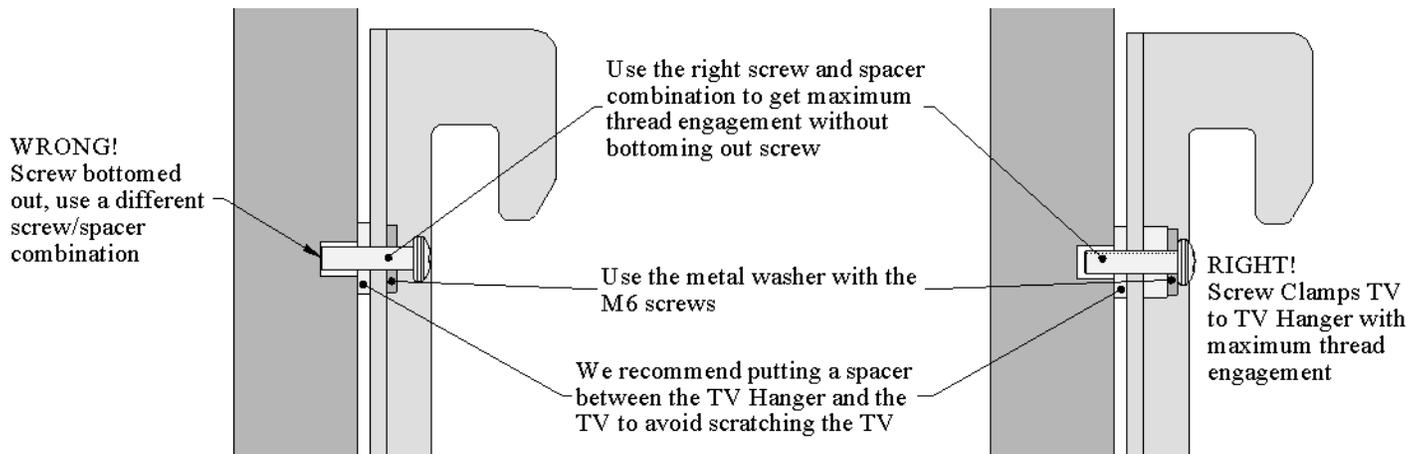


Figure 12, Attaching TV Hangers to TV

Conditions for Mounting to Wall

1. The mount is designed to attach to standard 2 x 4 or larger wall studs. If the wall isn't sturdy enough then more support will need to be added, consult an expert.
2. The mount must be securely fastened to a structure that can support 4 times the total weight of the television and mount. Dynamic Mounting assumes no responsibility for damage from an improperly installed mount.
3. The mounting holes need to be in the center of the studs, use a stud finder as needed.
4. For the 16in and 24in Stud Mounting Configurations;
 - o 2 lag screws are needed in the top slots of the mount and 2 in the bottom slots.
 - o 2 lag screws need to be on each side of the center of the mount and the center of gravity of the television
5. For the Single Stud Mounting Configuration;
 - o 2 lag screws are needed in the top slots of the mount and 1 in the bottom slot.
6. You can double check these conditions are meant by;
 - o Using the mount as a template, or
 - o The cardboard box the mount ships in has an outline of the bracket that attaches to the wall, cut out to use.

Mounting 16in and 24in Stud to Wall

1. The television should be centered on the mount as much as possible. If not the television will sag to one side. The heavier the TV and the more off center, the more unlevel the TV will be through its range of motion.
2. Once you know your location pre-drill 1 of the top row of mounting holes 2.5in deep using the 1/4in drill bit.
3. Punch out the tabs in the slots that you will bolt through.
4. Get someone to help hold the mount to the wall.
5. Figure 13 shows the correct order to put on the lag screw.
6. Use a 9/16in wrench to install the lag screw; do not tighten all of the way down yet.
7. Level the mount as shown in Figure 14
8. Mark and drill the other 3 holes 2.5in deep
9. Install the lag screws and tighten until the mount is firmly pressed against the wall. Do NOT over tighten.

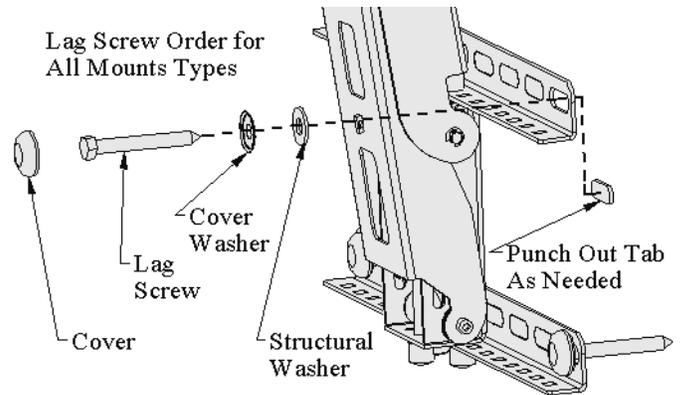


Figure 13, Lag Bolt and Washer Order

Mounting Single Stud to Wall

Mounting into a single stud is a little different than double stud.

1. Ensure the centerline of the TV is the same as the centerline of the stud
2. Once you know your location pre-drill for the hole that is accessible through the mount 2.5in deep using the 1/4in drill bit.
3. Get someone to help hold the mount to the wall.
4. Figure 13 shows the correct order to put on the lag screw
5. Use a 9/16in wrench to install the lag screw through the mount as shown in Figure 14.
6. As you tighten the mount against the wall make sure the mount is level, do NOT overtighten.
7. Drill and install the bottom lag screw.
8. Move the Counterbalance to the Minimum Counterbalance Force as shown in Figure 19 to be able to pull down the mount to access the top mounting slot as shown in Figure 14.
9. Drill and install the top lag screw.

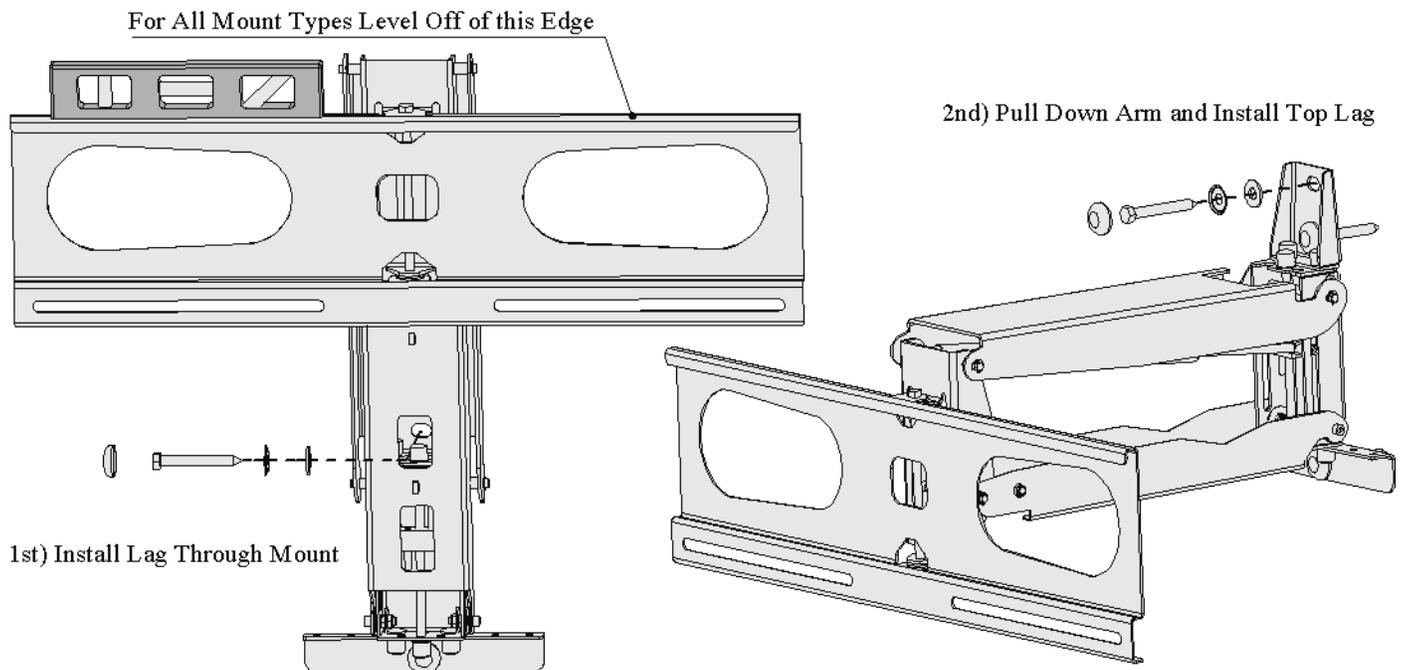


Figure 14, Mounting Single Stud

Attaching the Television to the Mount

After the above steps are finished you are ready to put the television on the mount.

1. Adjust the counterbalance to the approximate force to handle the weight of your television. See the [Adjusting the Counterbalance](#) section for more details. If in doubt, error to the counterbalance supplying too much force. You can easily adjust force later.
2. We recommend having someone help putting the TV on the mount.
3. Hook the TV Hangers (with the TV attached to them) over the Hook Plate as shown Figure 15.
4. Before positioning the television side to side, insert the 2 #10 x 7/8 inch long machine screws with washer through the Hook Plate and into the TV Hangers finger tight to ensure the television will not fall off.
5. Adjust the television so that it is centered on the mount.
6. Tighten the screws down with a screwdriver.
7. Adjust the counterbalance so that the television can be moved around as easily as possible but still be able to stay in the desired bottom position. See the [Adjusting the Counterbalance](#) section for more details.

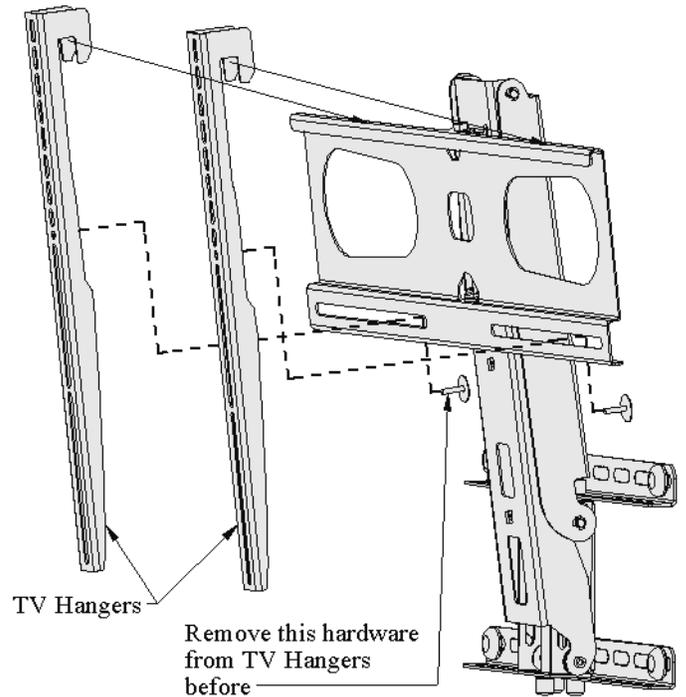


Figure 15, Attaching the Television

Moving the Television Up and Down

If the counterbalance is set up correctly the TV should be able to be lifted all of the way up into the top/locked position with reasonable effort. To unlock from this position pull out on the bottom of the television. To get the television all the way to the bottom position you may need to push down on the television. If the TV pops back up from the desired bottom position, reduce the counterbalance force. Typically, the force to lift the TV all of the way up is approximately 20-30% of the weight of TV.

Warning! Do Not Let Go of the TV Until the Motion has stopped on its Own.

Wire Management

Wires can be routed below the mount via the wire tie points shown in Figure 16. Ensure enough slack remains so the wires can move freely. Check that nothing is getting pinched or rubbing excessively after running wires.

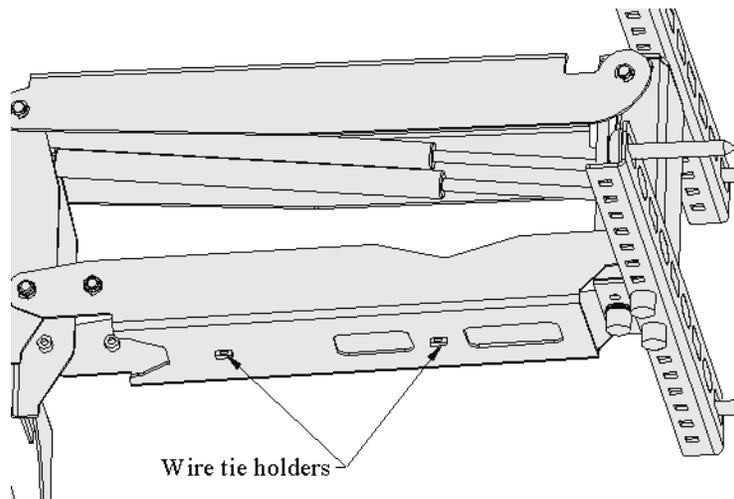


Figure 16, Wire Tie Holders

Rubber Bumpers

To help avoid damage to the shelf, attach the Adhesive Rubber Bumpers to the bottom of the TV mount where it would come in contact

Above Shelf Mounting

To get the lowest possible bottom position when mounting above a shelf, it is very important that you put extra thought into the mounting process. The Mount can clear shelves up to 16" deep.

The TV Clearance Table shows the minimum clearance [C] needed between the shelf top and the bottom of the TV (or the bottom of an attached speaker, whichever is lower) for the mount to swing around the shelf. To find the clearance needed, find the shelf depth [D], in this example 8", and go down the column and find the corresponding minimum clearance height [C], which is 2.5". Figure 10 shows were to measure [C] and [H].

Figure 17 and the Mount Travel Table shows you how much downward travel you will get with different shelf depths and heights above the shelf. For example, to find the downward travel [T] when you have an 8" shelf depth [D] and you attach the bottom of the mount 6" above the shelf [H]. First find the corresponding [D] and look down the column and find the closest [H], which in this case is 6.75". Now go left along the row and find the corresponding Travel [T]. In this case you will get a downward travel of approximately 26".

Tips to get the lowest possible bottom position

- Get the top of the mount and the top of the TV to be as close as possible.
- Typically you'll get the lowest bottom position by being near the minimum clearance shown in the TV Clearance Table.
- Getting the most travel possible out of the mount, doesn't mean you'll get the lowest possible bottom position.
 - For example, for an 8" shelf, to go from 28" of travel, to 29" of travel, you have to raise the mount up 2.75". So your new bottom position is actually 1.75" higher.

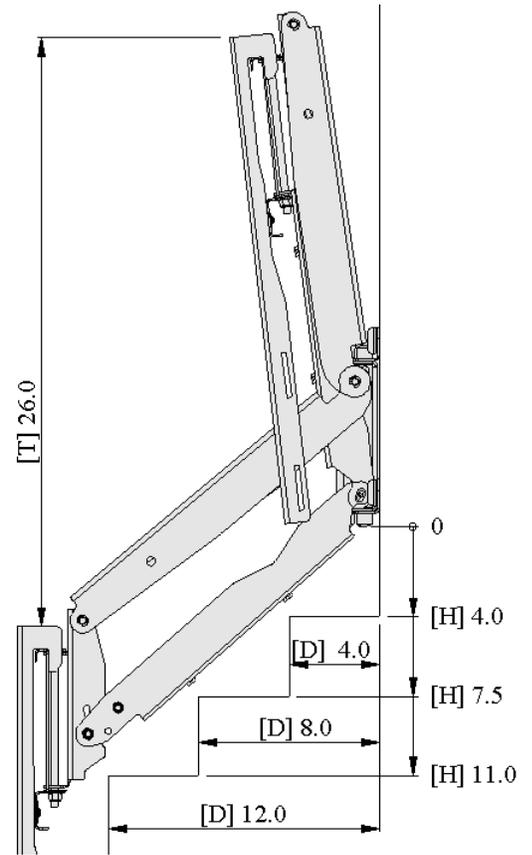


Figure 17, Mount Clearance Table

TV CLEARANCE TABLE (OR SPEAKER/SOUNDBAR CLEARANCE, WHICHEVER IS LOWER)

[D] SHELF DEPTHS (IN) (BOLD NUMBERS)																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0	1	1.25	1.5	1.75	1.75	2	2.25	2.5	2.75	3	3.25	3.75	4.25	5	5.75	6.75	-
[C] MINIMUM CLEARANCE NEEDED BETWEEN SHELF TOP AND TV BOTTOM IN TOP POSITION (IN)																	

28.9 (IN) IS THE MAXIMUM POSSIBLE DOWNWARD TRAVEL

ALL MEASUREMENTS ARE APPROXIMATE, 16 INCHES IS THE MAXIMUM SHELF DEPTH THE MOUNT WILL WORK WITH

- MEANS IT IS POSSIBLE, BUT YOU WILL NOT GET ANYMORE DOWNWARD TRAVEL

MOUNT TRAVEL TABLE (DOWNWARD TRAVEL OF MOUNT VS. HEIGHT AND SHELF DEPTH)

		[D] SHELF DEPTHS (IN)																
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[T] DOWNWARD TRAVEL OF MOUNT (IN)	29	0	1.5	3	4.75	6.25	7.75	9.5	11	12.75	14.25	16	-	-	-	-	-	-
	28	0	1	2.25	3.75	5	6.25	7.5	8.75	10	11.25	12.5	13.75	15	-	-	-	-
	26	0	0.75	1.5	2.5	3.25	4.25	5	6	6.75	7.75	8.75	9.5	10.5	11.75	13	-	-
	24	0	0.5	1.25	1.75	2.5	3	3.75	4.25	5	5.5	6.25	6.75	7.5	8	8.75	10	11.75
	22	0	0.25	0.75	1.25	1.75	2.25	2.75	3	3.5	4	4.5	5	5.25	5.75	6.25	6.75	8
		[H] HEIGHT MOUNT IS ABOVE SHELF (IN) (UNBOLDED NUMBERS)																

Adjusting the Counterbalance

The counterbalance will need to be adjusted for the mount to work properly with your television. To adjust the counterbalance, turn the bottom of the counterbalance screw with a 1/2 inch box or ratcheting wrench, see Figure 19. This moves the Counterbalance Block up and down. The approximate counterbalance block settings for various television weights are shown in Figure 19. In Figure 19 the counterbalance is approximately set for a 35 Pound Television.

To be able to move the mount without a TV on it, you need to move the Counterbalance Block to the Minimum Counterbalance Force. At this setting it will still take 10 to 15 pounds of effort to move the mount which is harder than you think. You should secure it to something to get the mount to move. Once you put a TV on the mount, everything will work much better.

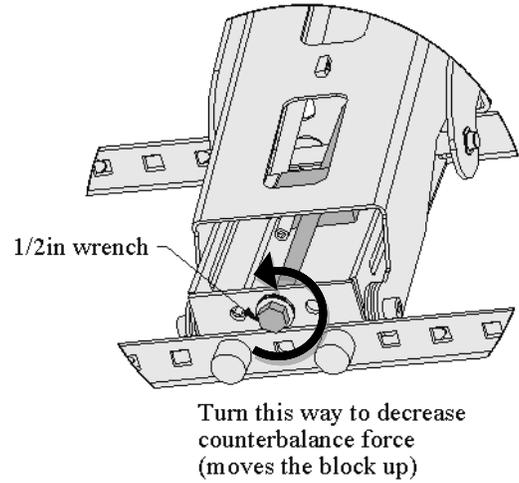


Figure 18, Adjusting Counterbalance

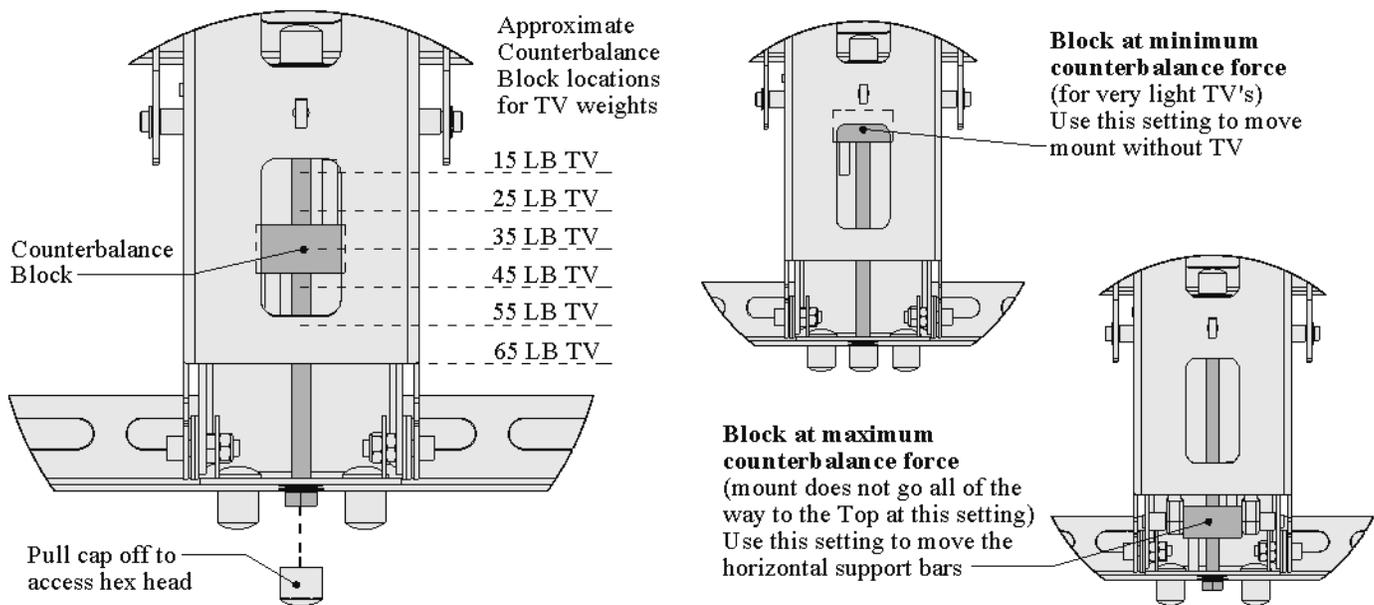


Figure 19, Counterbalance Settings
Detail from Figure 10

Maintenance

To ensure the mount will work great for as long as possible follow these procedures;

1. Move the mount up and down at least twice a week, this keeps the seals in the gas springs oiled.
2. Lubricate all joints every 3 months. May need more, especially if outside.
3. Visually check all bolts every 3 months to ensure nothing looks like it is coming loose.

Warranty

Dynamic Mounting guarantees the Right Height mount to be free of defects for the product's warranty period of 5 years.

The warranty period begins on the original date of shipping. The limited warranty is intended only for the original purchaser. The warranty will be void if the mount is modified in anyway or not installed correctly, Including overloading, abuse, or use for any purpose other than specified in these directions. This mount is for indoor use only and the warranty will be voided if the mount is used outdoors.

Dynamic Mounting is not liable for any damage or injury caused from the use of or the inability to use our mount. To the maximum extent permitted by applicable law, Dynamic Mounting disclaims any responsibility for incidental or consequential damages.

Dynamic Mounting LLC

www.DynamicMounting.com

If you have any questions, please contact info1@dynamicmounting.com

If you would like to speak to someone please email us your phone number and when we can contact you.

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