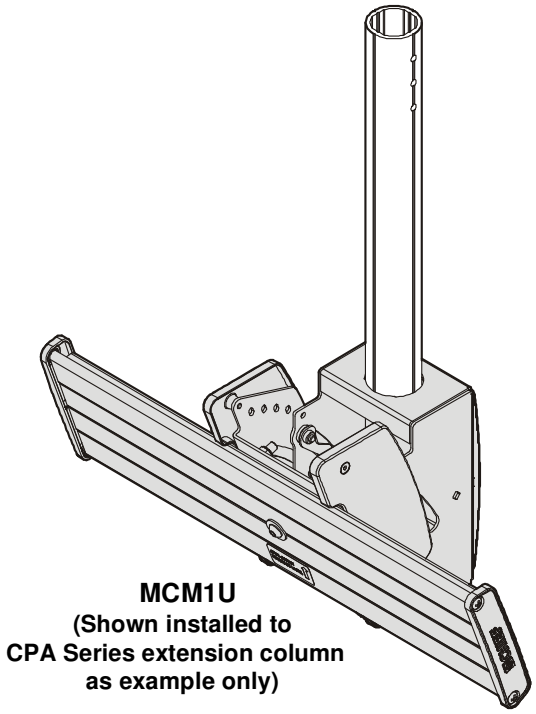
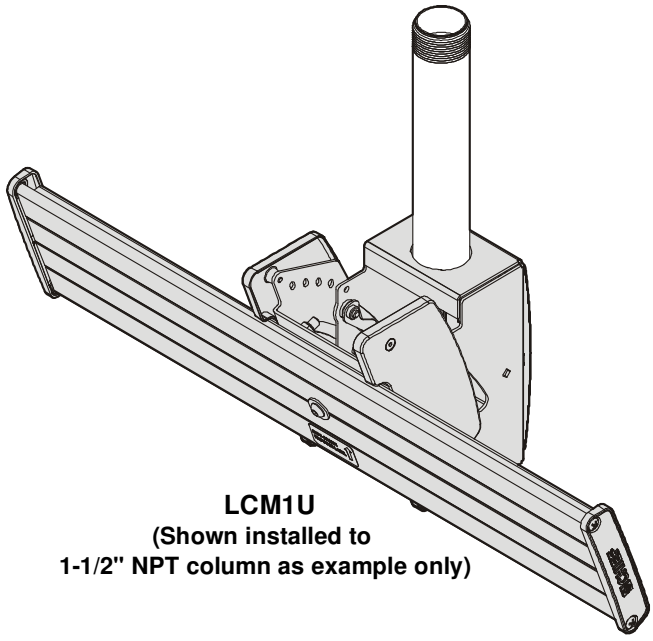
INSTALLATION INSTRUCTIONS



MCM1U
(Shown installed to CPA Series extension column as example only)



LCM1U
(Shown installed to 1-1/2" NPT column as example only)

Single Flat Panel Ceiling Mounts

CHIEF®
Our Mounts. Your Vision.

MCM1U / LCM1U / MCM1US / LCM1US

DISCLAIMER

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DEFINITIONS

MOUNTING SYSTEM: A MOUNTING SYSTEM is the primary Chief product to which an accessory and/or component is attached.

ACCESSORY: AN ACCESSORY is the secondary Chief product which is attached to a primary Chief product, and may have a component attached or setting on it.

COMPONENT: A COMPONENT is an audiovisual item designed to be attached or resting on an accessory or mounting system such as a video camera, CPU, screen, display, projector, etc.

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all mounting systems are properly assembled and installed using the instructions provided.

WARNING: Failure to provide adequate structural strength for this mounting system can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this mounting system is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.

WARNING: Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components located between the mount up to (and including) the display does not exceed 125 lbs (56.7 kg).

WARNING: Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

WARNING: Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.

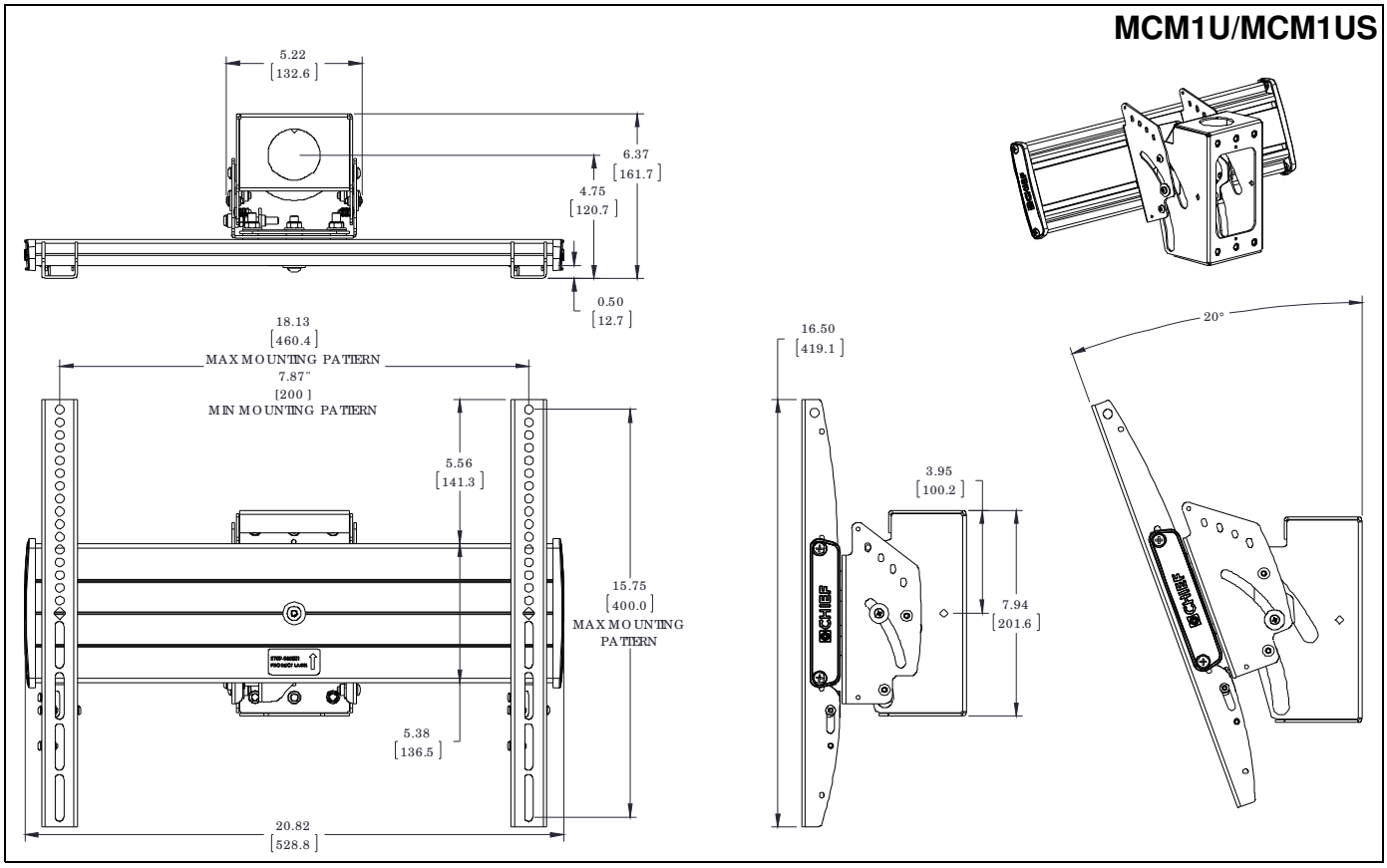
WARNING: Do not use this product outdoors.

IMPORTANT ! : The MCM1U/LCM1U and MCM1US/LCM1US mounts are designed to be mounted to a 1-1/2" NPT or NPSM following ANSI/ASME B1.20.1 (Schedule 40, 0.154" minimum thickness aluminum-ASTM B221) threaded extension column (not included); **OR** a UL Listed Chief CPA Series extension column (not included).

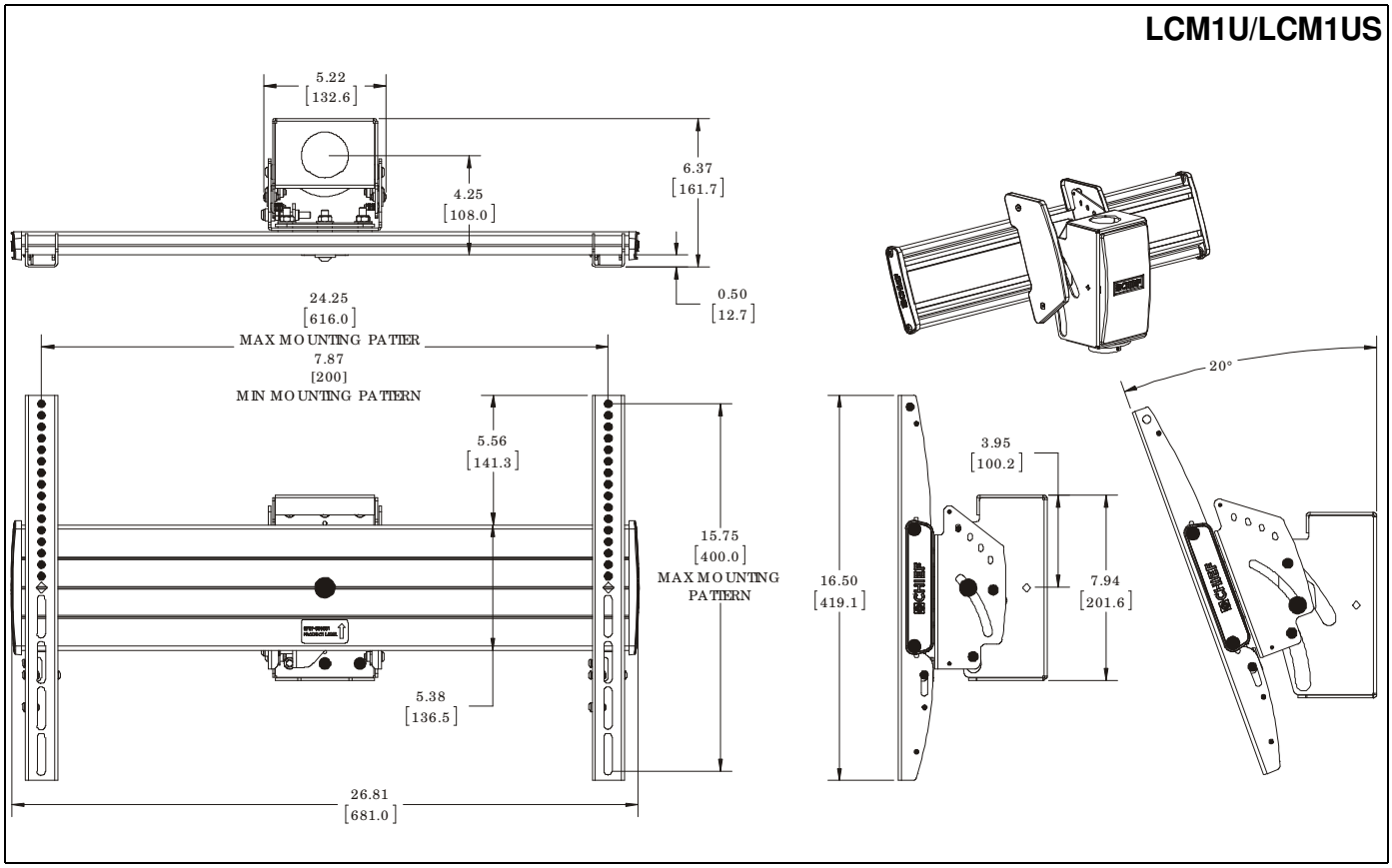
--SAVE THESE INSTRUCTIONS--

DIMENSIONS

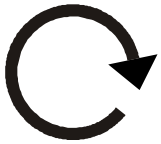
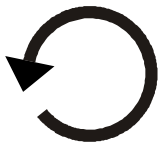
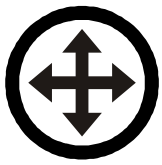
MCM1U/MCM1US



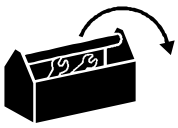
LCM1U/LCM1US



LEGEND

	Tighten Fastener Apretar elemento de fijación Befestigungsteil festziehen Apertar fixador Serrare il fissaggio Bevestiging vastdraaien Serrez les fixations
	Loosen Fastener Aflojar elemento de fijación Befestigungsteil lösen Desapertar fixador Allentare il fissaggio Bevestiging losdraaien Desserrez les fixations
	Phillips Screwdriver Destornillador Phillips Kreuzschlitzschraubendreher Chave de fendas Phillips Cacciavite a stella Kruiskopschroevendraaier Tournevis à pointe cruciforme
	Open-Ended Wrench Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel Clé à fourche
	Hex-Head Wrench Llave de cabeza hexagonal Sechskantschlüssel Chave de cabeça sextavada Chiave esagonale Zeskantsleutel Clé à tête hexagonale
	Adjust Ajustar Einstellen Ajustar Regolare Afstellen Ajuster
	Remove Quitar Entfernen Remover Rimuovere Verwijderen Retirez
	Optional Opcional Optional Opcional Opzionale Optie En option
	By Hand A mano Von Hand Com a mão A mano Met de hand À la main

TOOLS REQUIRED FOR INSTALLATION

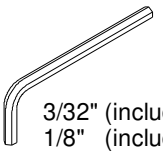




1/2" or 13mm



#2



3/32" (included)
1/8" (included)
5/32" (included)

PARTS



[Interface Bracket Hardware Kit]



A (4)
M4x12mm



B (4)
M4x20mm



C (4)
M4x25mm



D (4)
M5x12mm



E (4)
M5x20mm



F (4)
M5x25mm



G (4)
M6x12mm



H (4)
M6x20mm



I (4)
M6x25mm



J (4)
M8x12mm



K (4)
M8x20mm



L (4)
M8x30mm



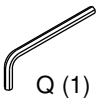
M (8)
[Nesting spacer]



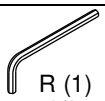
N (8)
[Universal
washer]



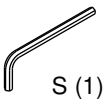
P (2)
10-24 x 5/8"



Q (1)
3/32"



R (1)
1/8"



S (1)
5/32"



T (1)
10-24 x 1/4"



U (2)
5/16" x 1"



V (2)
5/16"



W (4)
10-24" x 1/2"



X (3)
5/16" x 3/4"



Y (2)
10-24 x 1/2"



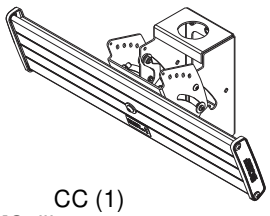
Z (2)
10-24



AA (1)
[Bottom stop collar]
(Used with CPA Series
extension column system)

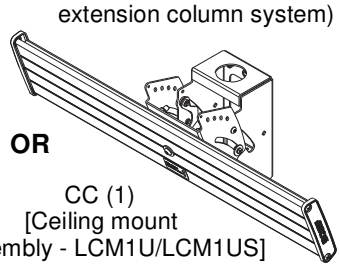


BB (1)
[Bottom coupling]
(Used with 1-1/2"
NPT column system)



CC (1)
[Ceiling mount
assembly - MCM1U/MCM1US]

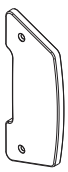
OR



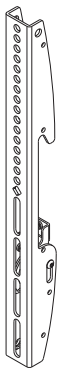
CC (1)
[Ceiling mount
assembly - LCM1U/LCM1US]



DD (1)
[Back cover]



EE (2)
[Side cover]



FF (2)
[Interface bracket]



GG (4)
[Interface
bracket cover]

INSTALLATION

WARNING: FAILURE TO PROVIDE ADEQUATE STRUCTURAL STRENGTH FOR THIS COMPONENT CAN RESULT IN SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.

IMPORTANT ! : These instructions assume that a 1-1/2" NPT or NPSM following ANSI/ASME B1.20.1 (Schedule 40, 0.154" minimum thickness aluminum-ASTM B221) threaded extension column (not included); or a UL Listed Chief CPA Series extension column (not included) -- has been properly installed and is in place.

NOTE: Proceed to **Attaching Mount to NPT Column** section or **Attaching Mount to CPA Extension Column** section, as appropriate.

Attaching Mount to NPT Column

CAUTION: WATCH FOR PINCH POINTS! Do not place fingers between moveable parts.

1. Slide ceiling mount (CC) up from below onto installed column (not included). (See Figure 1)
2. Thread bottom coupling (BB) onto installed column until tight, with a minimum of four threads engaged.

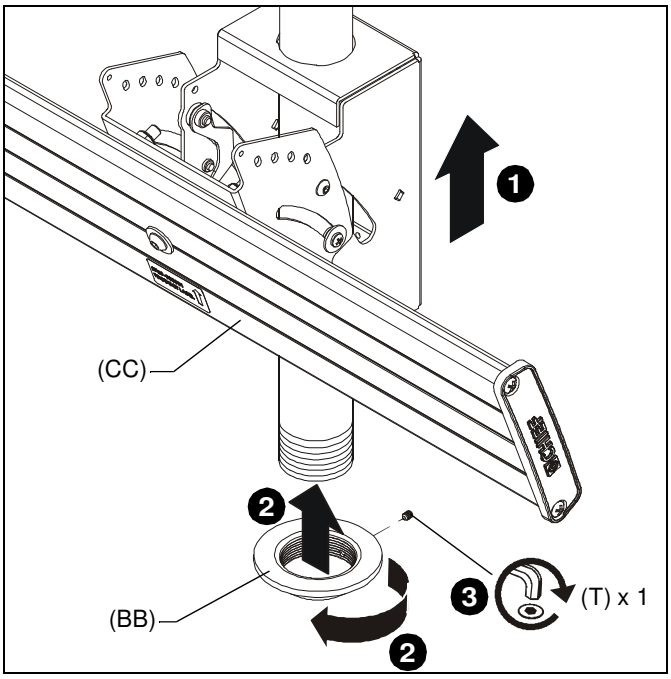


Figure 1

3. Install and tighten one 10-24 x 1/4" set screw (T) into bottom coupling (BB). (See Figure 1)
4. Install and tighten two 5/16" set screws (X) through back of mount (CC) and against column. (See Figure 2)

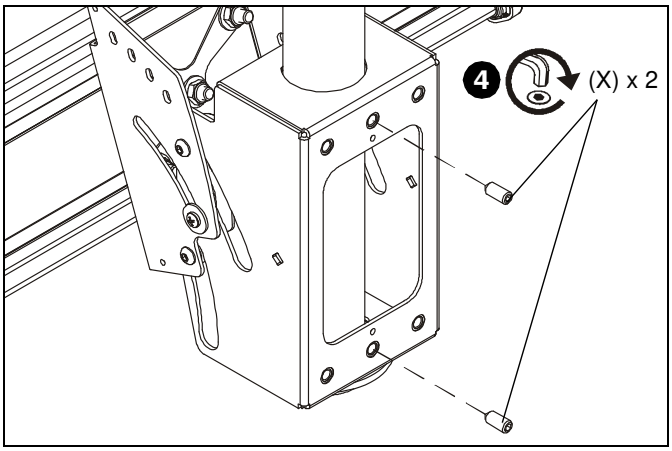


Figure 2

Attaching Mount to CPA Extension Column

CAUTION: WATCH FOR PINCH POINTS! Do not place fingers between moveable parts.

1. Slide ceiling mount (CC) up from below onto installed column (not included). (See Figure 3)
2. Slide bottom stop collar (AA) onto installed column, lining up holes in collar with holes in column.

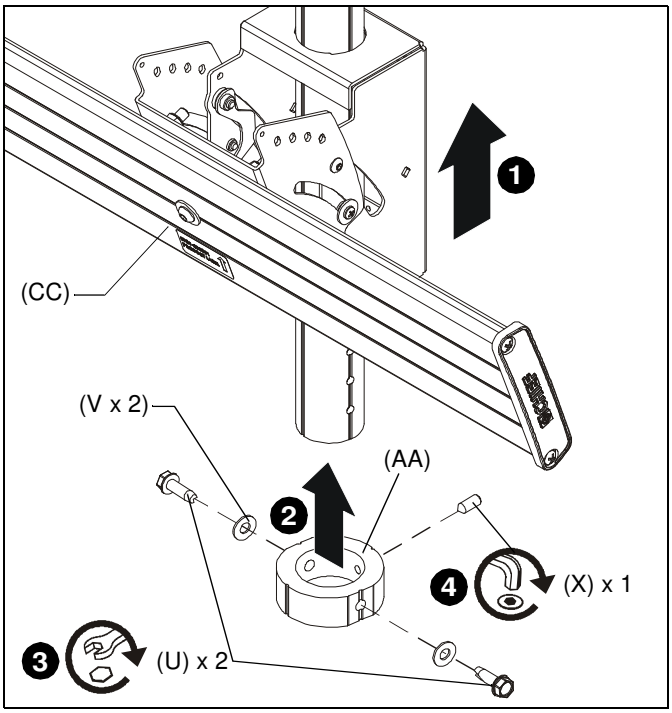


Figure 3

3. Install two 5/16" x 1" self-tapping screws (U) through two 5/16" flat washers (V), bottom stop collar (AA), and into installed column.

4. Install and tighten 5/16" x 3/4" set screw (X) into bottom stop collar (AA). (See Figure 3)
5. Install and tighten two 5/16" x 3/4" set screws (X) through back of mount (CC) and against column. (See Figure 4)

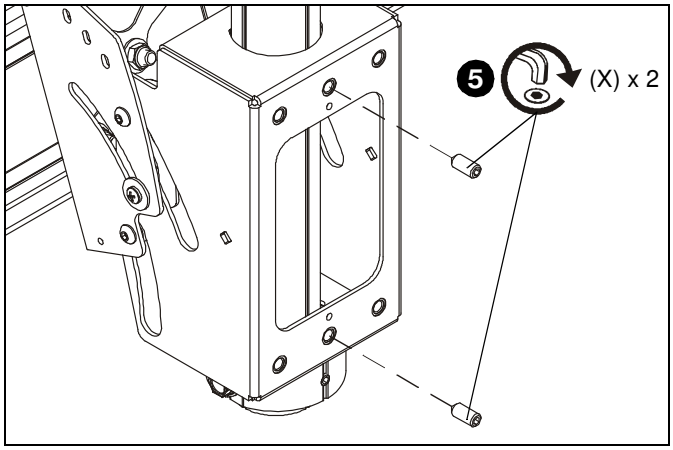


Figure 4

Attaching Interface Brackets to Display

1. Lower the latch mechanism on each interface bracket (FF). (See Figure 5)

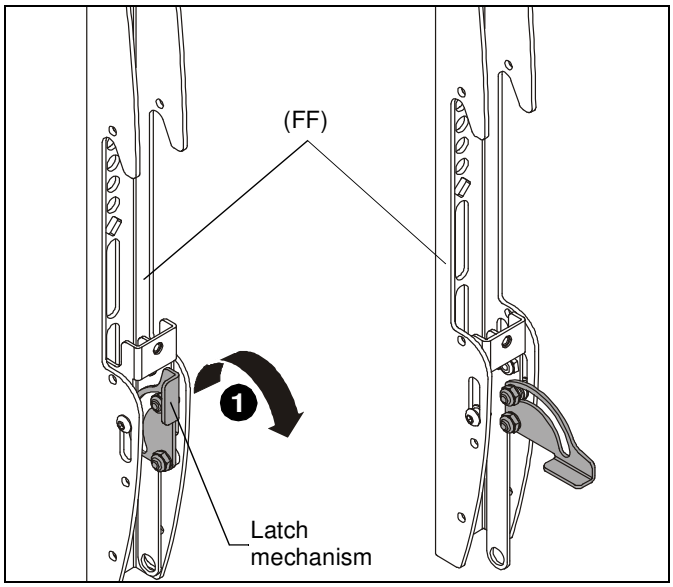


Figure 5

2. Align the center of the interface bracket (FF) with center of screen. (See Figure 6)

NOTE: The diamond-shape hole in the bracket corresponds to the center of the mount.

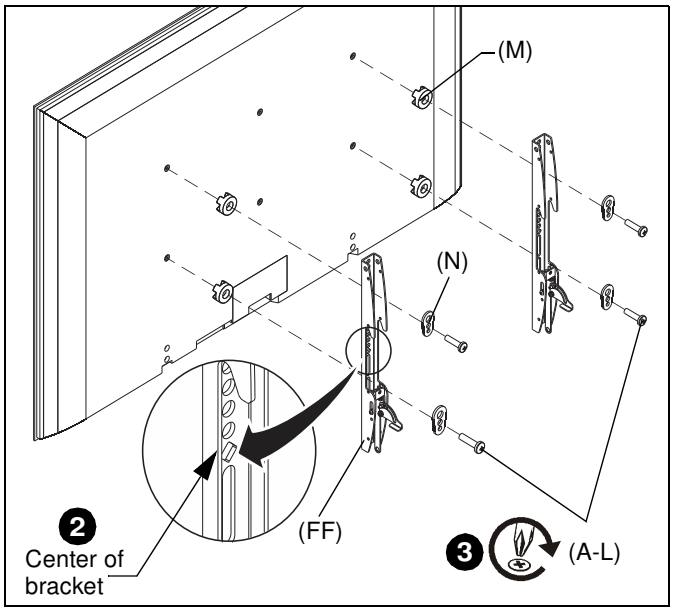


Figure 6

WARNING: IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display. Properly sized screws will easily and completely thread into display mounting holes. If spacers are required, be sure to use longer screws of the same diameter.

3. Select correct screws, spacers (if necessary) and universal washers from the hardware bag (A-N) and attach brackets (FF) to back of screen. (See Figure 6)

IMPORTANT ! : The M8 screws do **NOT** require a washer. Use the universal washer (N) only with M4, M5 and M6 screws.

NOTE: The nesting spacers (M) may be used separately, or put two together in different configurations to create different size spacers. (See Figure 7)

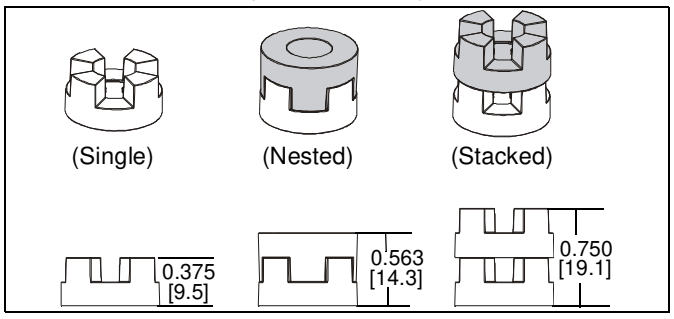


Figure 7

Attaching Display to Ceiling Mount

1. Ensure that the latch mechanisms on interface brackets (FF) are already lowered. (See Figure 5)
2. While supporting both sides of display, lower display onto ceiling mount, hooking top of interface brackets onto front of ceiling mount. (See Figure 8)

WARNING: IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! The display MUST be centered on the ceiling mount.

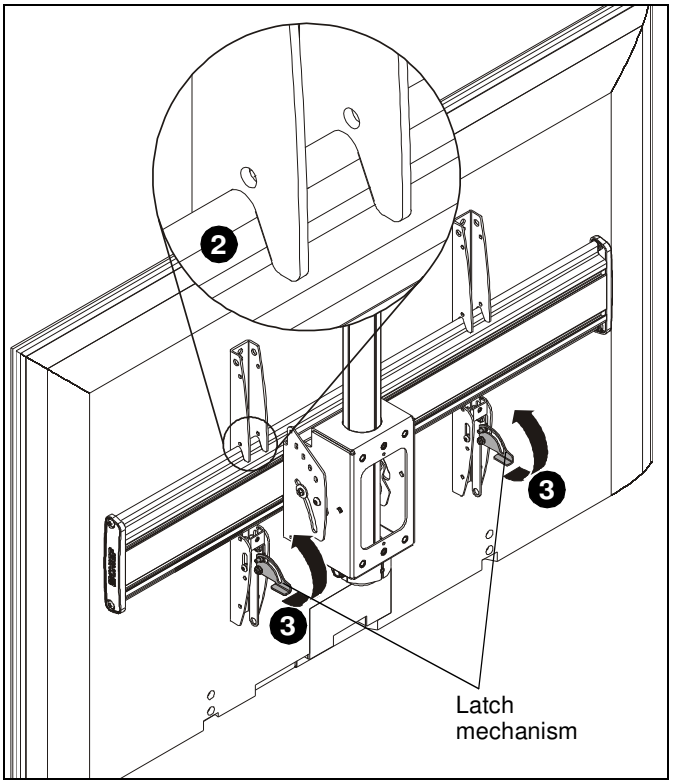


Figure 8

3. Raise the latch mechanism on both interface brackets to lock bracket in place. (See Figure 8)
4. Fasten bracket against ceiling mount extrusion using one 10-24 x 5/8" button head cap screw (P). (See Figure 9)
5. Repeat for other interface bracket.

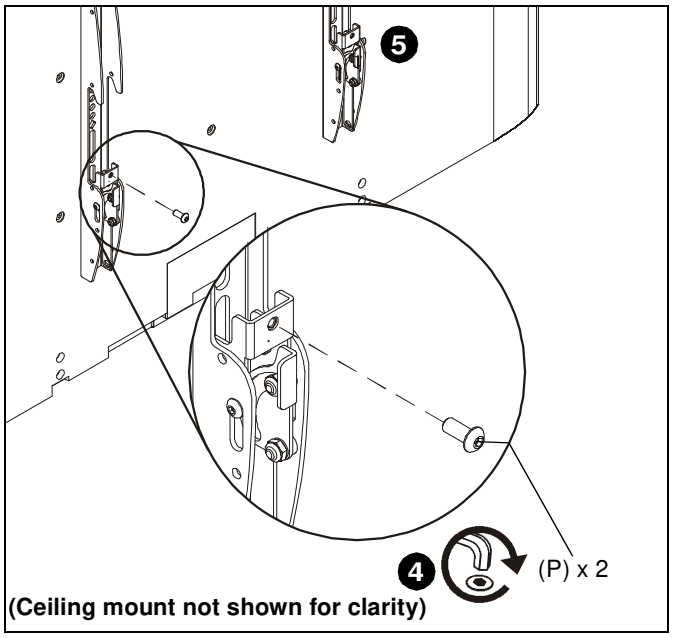


Figure 9

Adjustments

CAUTION: Watch for pinch points! Do not place fingers between moveable parts.

IMPORTANT ! : Always use two hands (one at bottom of display and one at top of display) to adjust ceiling mount.

Roll

The ceiling mounts allow up to 3° roll each direction.

1. Turn the roll adjustment screw in the direction necessary for the desired roll. (See Figure 10)
2. Stop adjusting when the desired setting is reached.

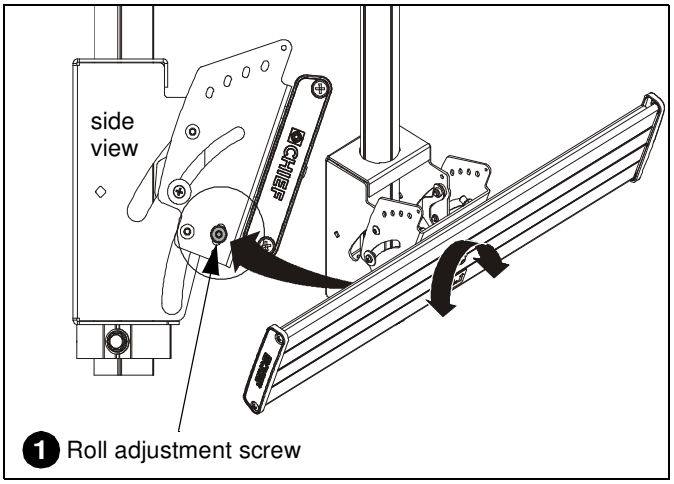


Figure 10

Tilt

The ceiling mounts allow -5° to 20° tilt. The ceiling mount can be locked at 0°, 5°, 10° and 15° tilt.

3. Loosen two tilt friction screws (located each side). (See Figure 11)
4. Adjust tilt as required. Note specific degrees of tilt. (See Figure 11)
5. Tighten two tilt adjustment screws if NOT using the 0°, 5°, 10° or 15° settings.

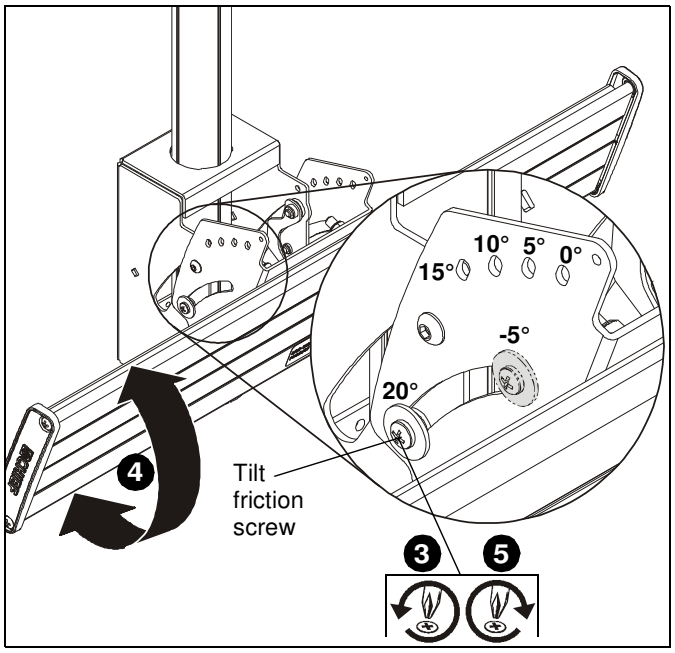


Figure 11

6. If using the tilt settings of 0°, 5°, 10° or 15°, insert two 10-24 x 1/2" Phillips head screws (Y) and two 10-24 lock nuts (Z) to lock mount at the specific tilt. (See Figure 12)

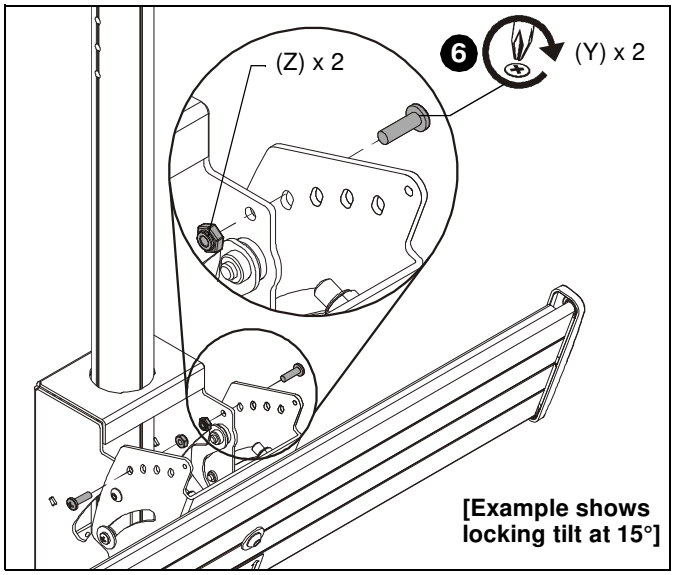


Figure 12

OPTIONAL: Security

1. **OPTIONAL**: Add padlock (not included) to each interface bracket to lock display to ceiling mount. (See Figure 13)

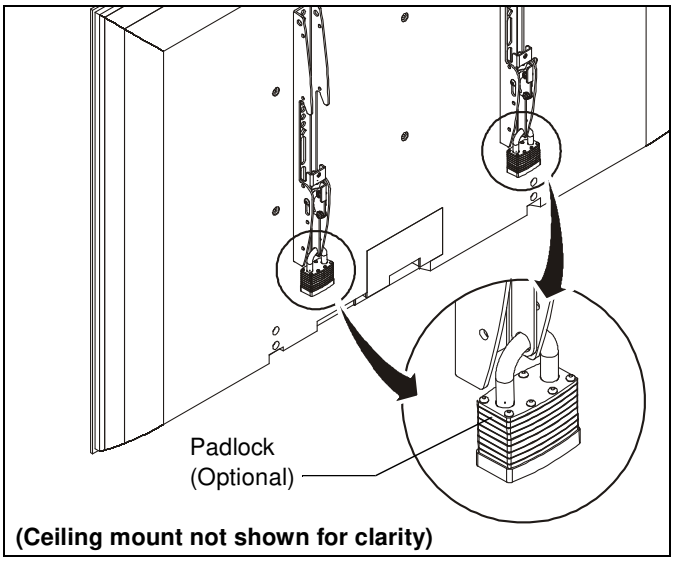


Figure 13

Installing Covers

1. Install four interface bracket covers (GG) over the top and bottom of both interface brackets. (See Figure 14)

NOTE: Be sure to line up tabs inside the bracket covers with holes on sides of interface brackets. (See Figure 14)

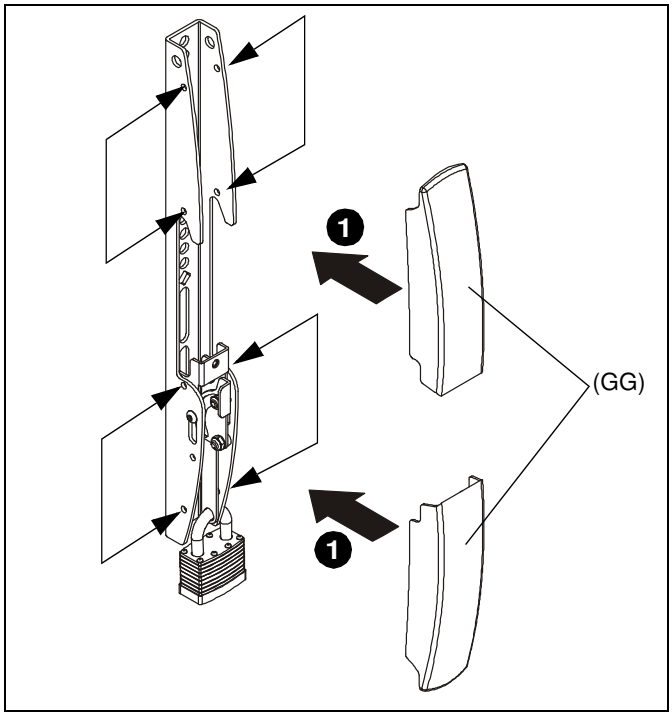


Figure 14

2. Install back cover (DD) into four holes on back of ceiling mount. (See Figure 15)

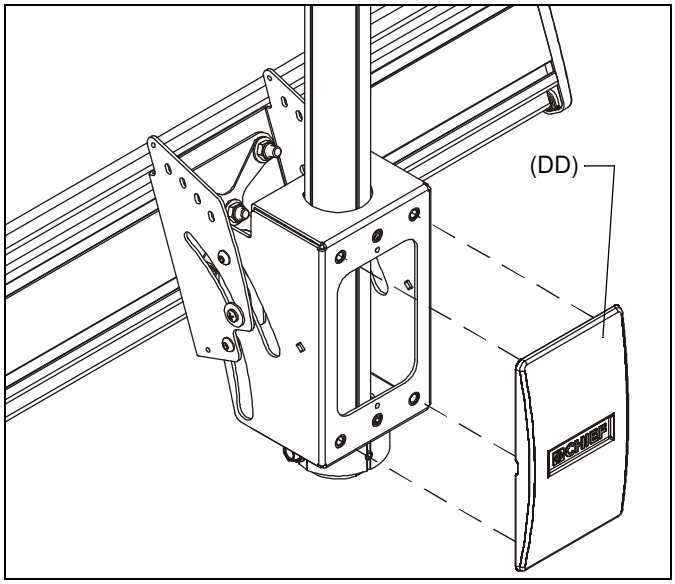


Figure 15

3. Install one side cover (EE) onto side of ceiling mount using two 10-24 x 1/2" flat head screws (W). (See Figure 16)
4. Repeat for other side of ceiling mount.

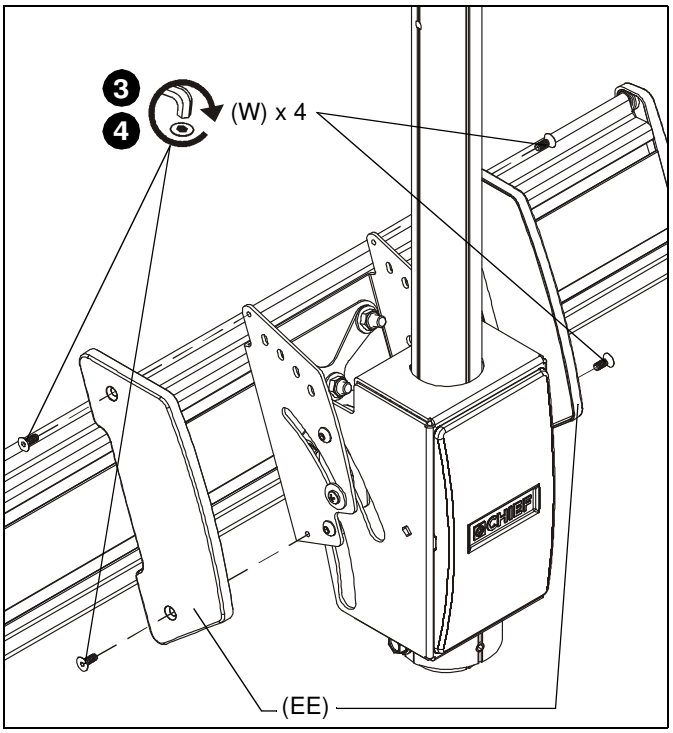


Figure 16

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