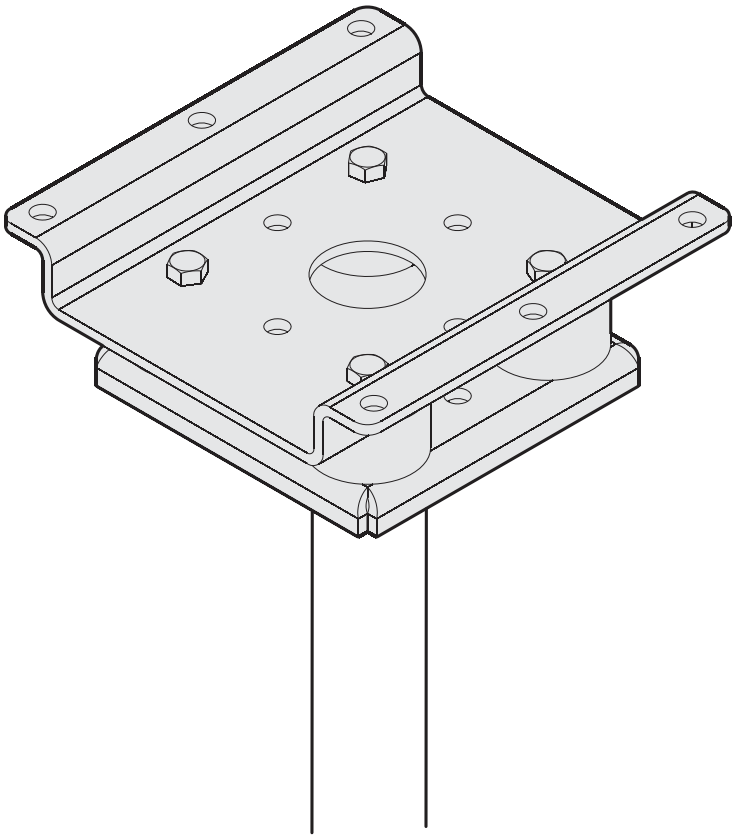
INSTALLATION INSTRUCTIONS



Ceiling Plate with Flex Joints

CHIEF®
Our Mounts. **Your Vision.**

CMA345

DISCLAIMER

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DEFINITIONS

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.

MOUNTING SYSTEM: A MOUNTING SYSTEM is the primary product designed by Chief® to mount the projector or display.

ACCESSORY: An ACCESSORY is any product designed by Chief® to complement the primary mounting system either by mounting any supporting components or enhancing the mounting capabilities of the primary mounting system.

COMPONENT: A COMPONENT is any secondary product to be mounted to an accessory, i.e. speakers, CPU's, cameras, tablets, additional displays.

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/ accessories are properly assembled and installed using the instructions provided.

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

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 attached to the CMA345 mount does not exceed 500 lbs (226.8 kg).

NOTE: The weight capacity of the CMA345 mount may be LIMITED to the lowest weight capacity of any other accessory located between the ceiling plate and the projector/display.

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

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

WARNING: Do not use this product outdoors.

IMPORTANT ! : The CMA345 mounts are designed to be:

- mounted to a 2" x 6" wood framework ceiling;
- mounted to a 8" concrete ceiling with a drywall covering of a maximum of 5/8";
- mounted to a suspended metal framing channel ceiling.

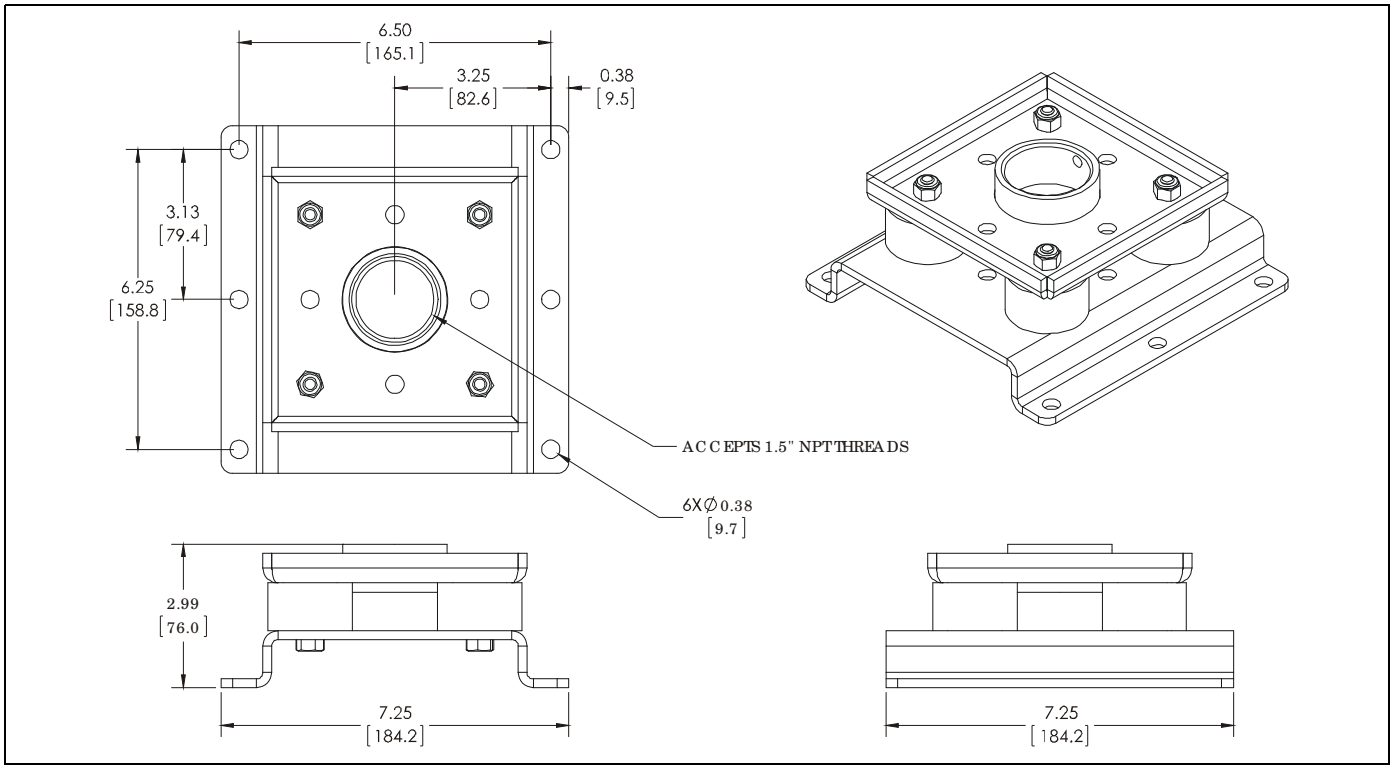
WARNING: Do NOT attach to vertical mounting surfaces such as walls or angled ceilings!

NOTE: The CMA345 may be used with the UL Listed CMS Extension Column series, CPA Extension Column series; the LCM2X2U, LCM2X2UP, LCM3X2U, LCM3X2UP and LCM3X3U ceiling mounted video walls; and the UL Listed LCM1U, LCM1UP, LCM2X1U, LCM2X1UP, LCM3X1U, LCM3X1UP, LCM5X1U, MCM1U, XCM1U, XCM7000, LCB1U, LCB1UP, LCB1X2U, LCB2X1U, LCB2X1UP, MCB1U, MCB1X2U, XCB1U, XCB7000, FCA3U and FCA4U (not included).

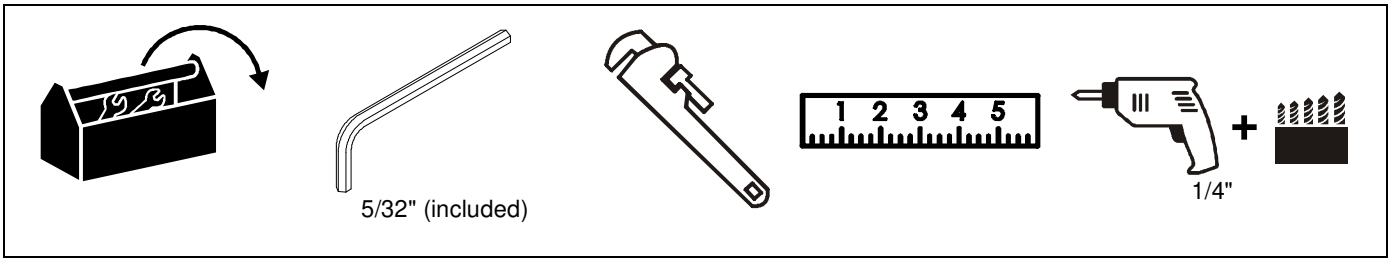
NOTE: The LCM2X2U, LCM2X2UP, LCM3X1U, LCM3X1UP, LCM3X2U, LCM3X2UP and LCM3X3U require 2 CMA345 ceiling plates (not included). The LCM5X1U requires 3 CMA345 ceiling plates (not included).

--SAVE THESE INSTRUCTIONS--

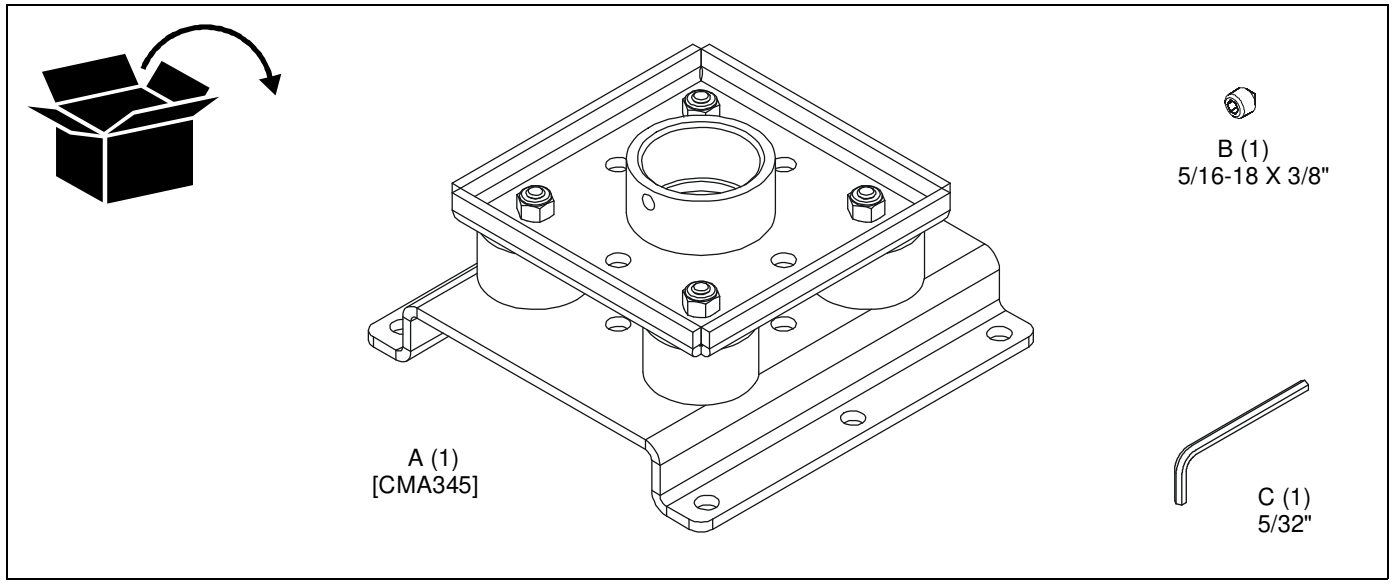
DIMENSIONS



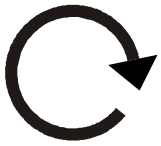
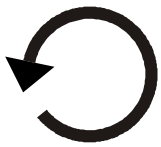
TOOLS REQUIRED FOR INSTALLATION



PARTS



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
	By Hand A mano Von Hand Com a mão A mano Met de hand À la main
	Hex-Head Wrench Llave de cabeza hexagonal Sechskantschlüssel Chave de cabeça sextavada Chiave esagonale Zeskantsleutel Clé à tête hexagonale
	Pencil Mark Marcar con lápiz Stiftmarkierung Marcar com lápis Segno a matita Potloodmerkteken Marquage au crayon
	Drill Hole Perforar Bohrloch Fazer furo Praticare un foro Gat boren Percez un trou
	Adjust Ajustar Einstellen Ajustar Regolare Afstellen Ajuster
	Remove Quitar Entfernen Remover Rimuovere Verwijderen Retirez
	Optional Opcional Optional Opcional Opzionale Optie En option
	Security Wrench Llave de seguridad Sicherheitsschlüssel Chave de segurança Chiave di sicurezza Veiligheidssleutel Clé de sécurité

INSTALLATION AND ASSEMBLY

These CMA mounts are designed for attachment to a 2" x 6" wood framework ceiling, a concrete ceiling or a suspended metal framing channel ceiling, and provides vertical adjustments in 3/4" increments.

WARNING: Do NOT attach to vertical mounting surfaces such as walls or angled ceilings!

WARNING: IMPROPER INSTALLATION CAN LEAD TO LIFT FALLING CAUSING SEVERE PERSONAL INJURY OR DAMAGE TO EQUIPMENT! It is the installer's responsibility to make certain the structure to which the mount is being attached is capable of supporting five times the weight of the CMA mount and all attached equipment. Reinforce the structure as required before installing the mount.

NOTE: The following instructions assume a suitable mounting structure and surface exists prior to installation.

Installing to a Wood Framework (Joists)

1. Using CMA345 as a template, mark and drill 1/4" pilot holes at desired mounting location. Make sure holes are centered on wood studs.

IMPORTANT ! : If using only two bolt holes for mounting, either two middle opposing holes (scenario 1) or two diagonally opposing holes (scenarios 2 and 3) must be used. See Figure 1 for the ONLY acceptable two-bolt mounting scenarios.

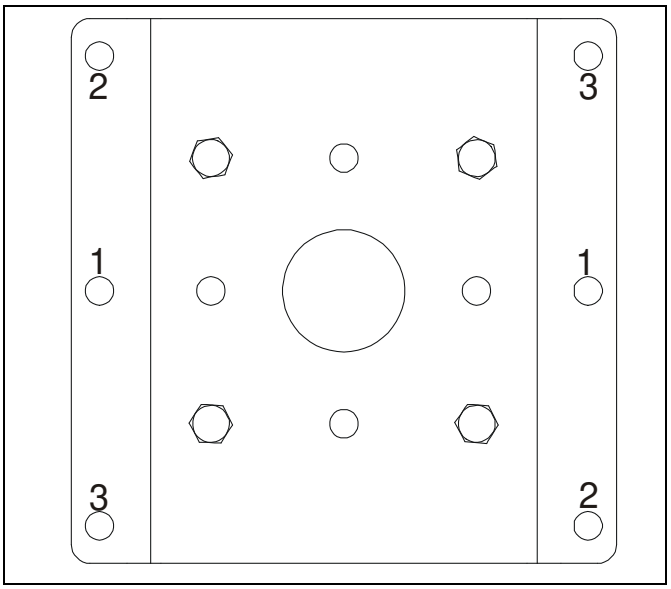


Figure 1

2. Use 3/8" x 2-1/2" (minimum) Grade 2 lag screws (not provided) to secure CMA mount to the joists or wood framework, using the bolt holes noted. (See Figure 2)

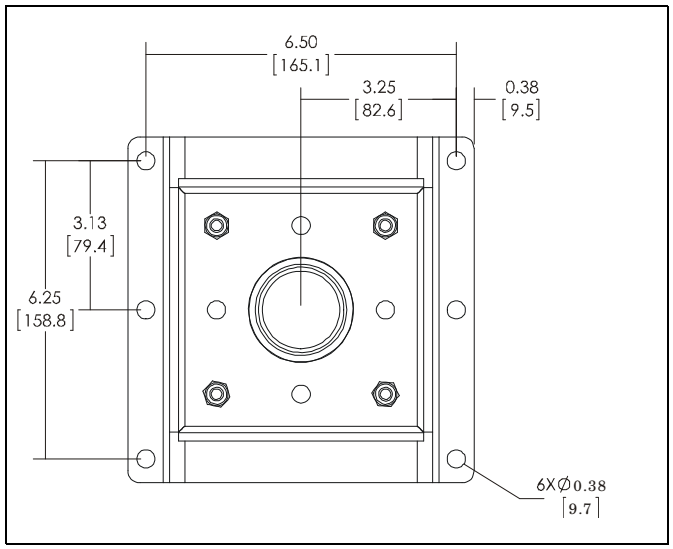


Figure 2

Installing to a Suspended Ceiling

NOTE: The CMA mount may be suspended from four 3/8 in. diameter ASTM A307 or better threaded rods (not provided) which are secured to a 1-5/8" x 1-5/8" 12ga metal framing strut channel (spanning a maximum of 4 feet--not provided) by ASTM A307 or better 3/8" channel nuts (not provided). Threaded rods must have 16 threads per square inch.

1. Insert the rods into the four bolt holes in the CMA mount. (See Figure 2)
2. Secure the threaded rods to the CMA mount with ASTM A307 or better 3/8" jam nuts (not provided) and washers (one of each on inside and one of each on outside-not provided).

Installing to a Solid Concrete Ceiling Structure

WARNING: The CMA345 is designed to be mounted to a concrete ceiling with a minimum thickness of 8" and a maximum drywall covering of 5/8".

WARNING: Fischer Ux10 anchors (not provided) must be installed into structurally sound solid concrete. Installation into hollow concrete block, mortar, or concrete that exhibits cracking, spalling, or other defects may result in failure of anchor and serious personal injury or damage to equipment.

1. Use four Ux10 anchors (not provided) to secure CMA mount into solid concrete ceiling. (See Figure 2)
2. Place CMA mount over anchors, aligning bolt holes in CMA mount with installed anchors.
3. Secure CMA mount to ceiling using four 3/8" Grade 2 flat washers (not provided) and four 3/8" x 2-1/2" Grade 2 bolts (not provided) tightened over anchors.

Attaching Column to CMA345

1. Install 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) into threaded collar until tight, with a minimum of four threads engaged. (See Figure 3)
2. Install 5/16-18 x 3/8" set screw (B) into hole on ceiling plate (A) to secure pipe to mount. (See Figure 3)

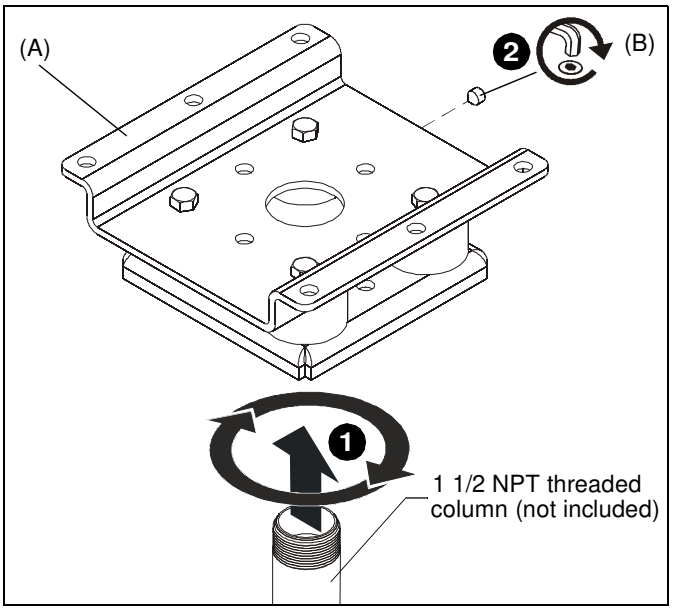


Figure 3

3. Install the ceiling mount and projector to the column using installation instructions included with the ceiling mount.

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