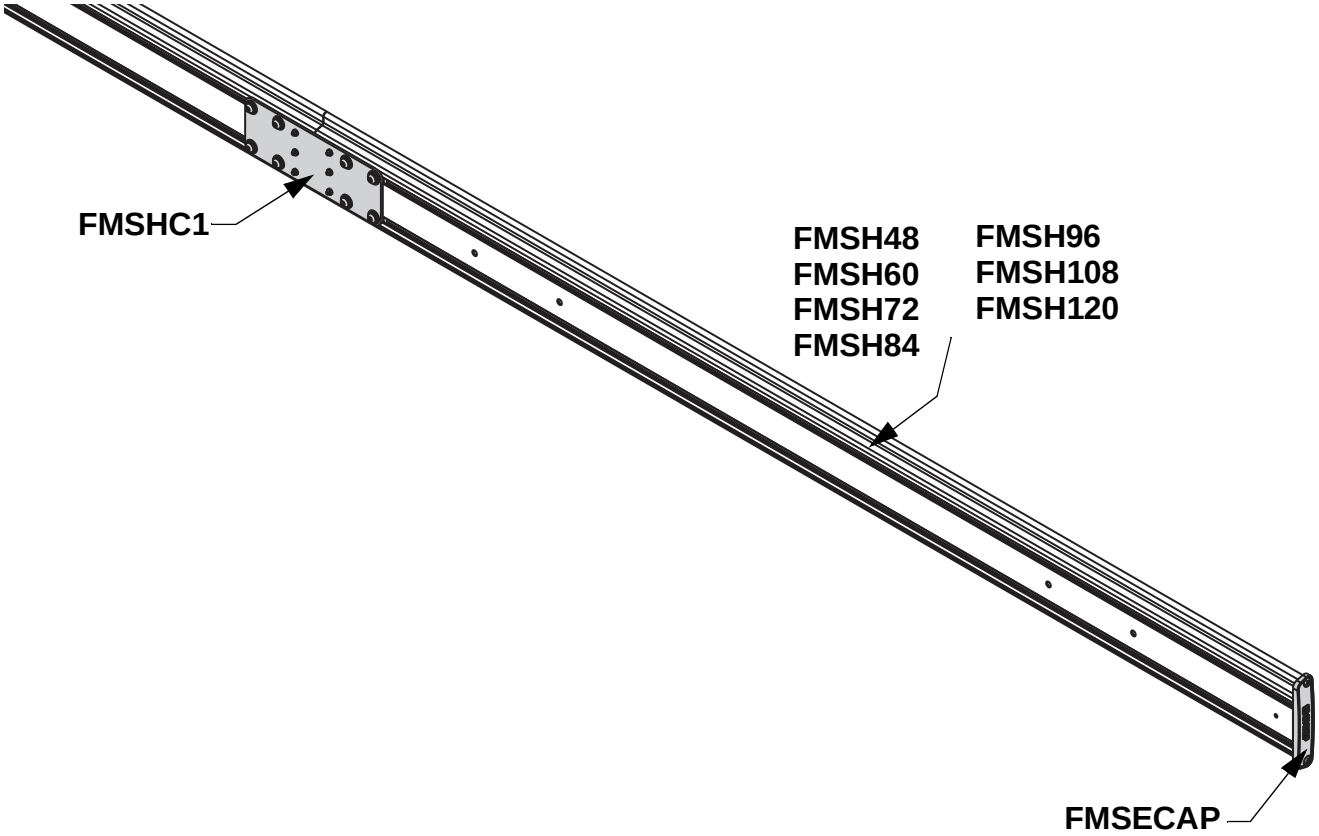
INSTALLATION INSTRUCTIONS



Fusion Modular Mounting Rails, Connectors and End Cap Kits

CHIEF®
Our Mounts. **Your Vision.**

FMSH48-60-72-84-96-108-120 / FMSHC1 / FMSECAP

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

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 mounting system does not exceed the weight capacity listed in Table 1.

Table 1: Weight Capacity

MODEL	Maximum Weight Allowed
FMSHC1	400 lbs (181.4 kg)
FMSH48	200 lbs (90.7 kg)
FMSH60	250 lbs (113.4 kg)
FMSH72	300 lbs (136.1 kg)
FMSH84	350 lbs (158.8 kg)
FMSH96	400 lbs (181.4 kg)
FMSH108	400 lbs (181.4 kg)
FMSH120	400 lbs (181.4 kg)

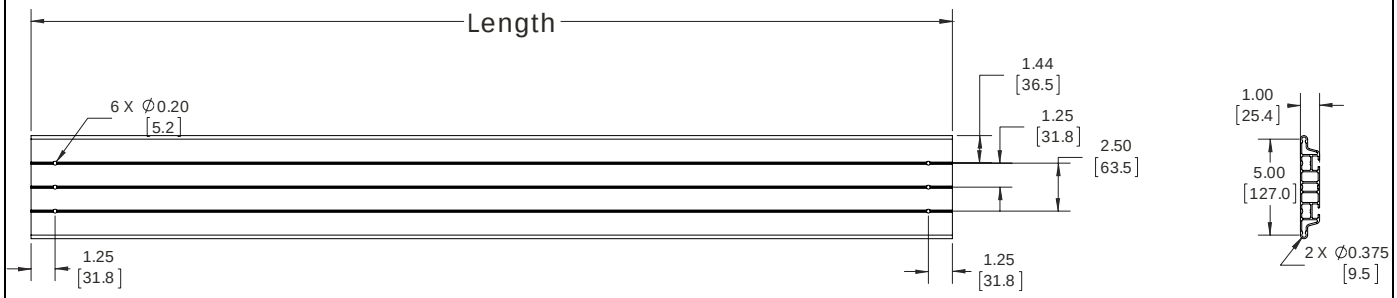
IMPORTANT ! : These installation instructions must be used in conjunction with the **Fusion Modular Systems** installation instructions.

--SAVE THESE INSTRUCTIONS--

DIMENSIONS

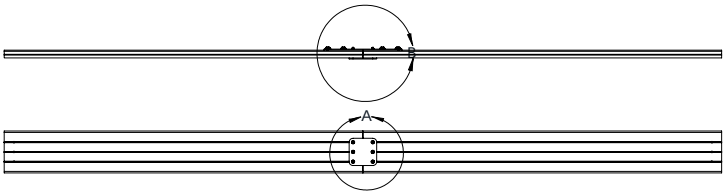
FMSH48 / FMSH60 / FMSH72 / FMSH84 / FMSH96 / FMSH108 / FMSH120

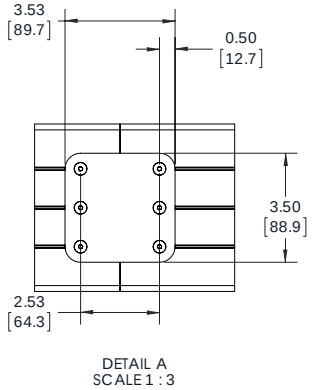
FMSH EXTRUSION AVAILABLE IN THE FOLLOWING LENGTHS
FMSH48 = 48"
FMSH60 = 60"
FMSH72 = 72"
FMSH84 = 84"
FMSH96 = 96"
FMSH108 = 108"
FMSH120 = 120"



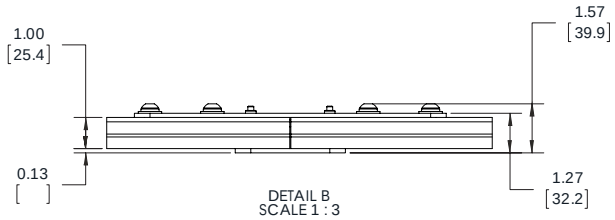
DIMENSIONS: INCHES
[MILLIMETERS]

FMSHC1

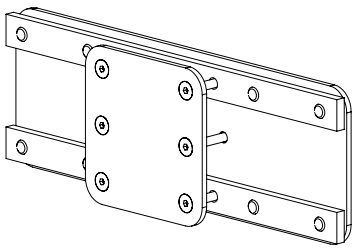




DETAIL A
SCALE 1 : 3



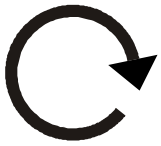
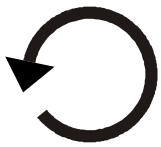
DETAIL B
SCALE 1 : 3



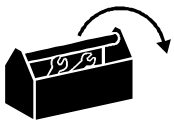
EXTRUSION SOLD SEPARATELY

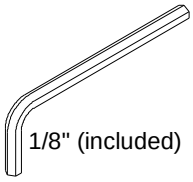
DIMENSIONS: INCHES
[MILLIMETERS]

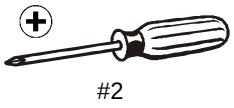
LEGEND

	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

TOOLS REQUIRED FOR INSTALLATION

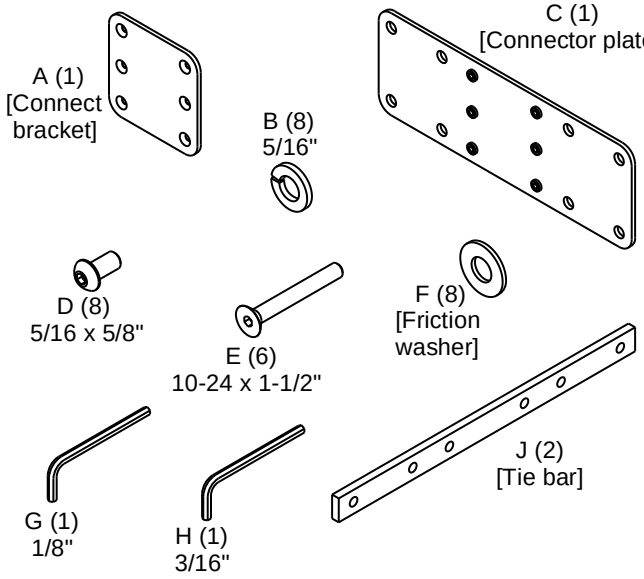






PARTS

FMSHC1

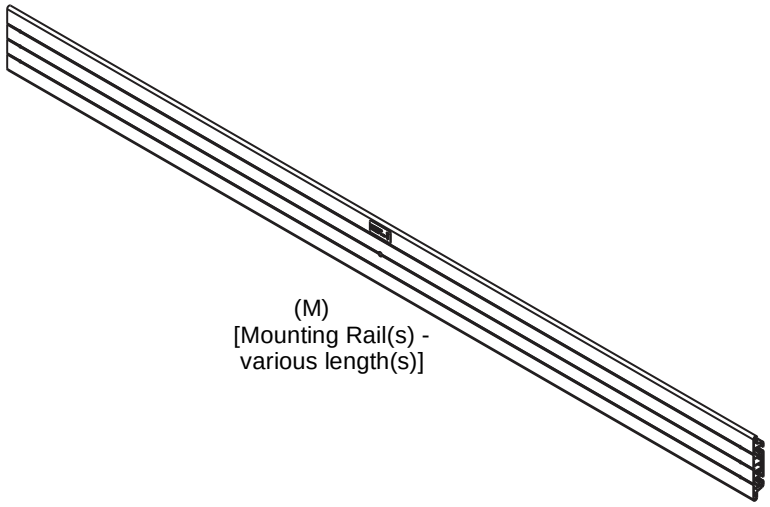


(Qty listed per hardware bag)

FMSECAP

(Qty listed per hardware bag)

FMSH48 / FMSH60 / FMSH72 / FMSH84 / FMSH96 / FMSH108 / FMSH120



CONNECTING MOUNTING RAILS

IMPORTANT ! : If using a single length of mounting rail, proceed to **Attaching End Caps** section. If using more than one length of mounting rail, proceed to **Step 1**.

1. Insert two tie bars (J) into the slots on one section of mounting rail (M). (See Figure 1)

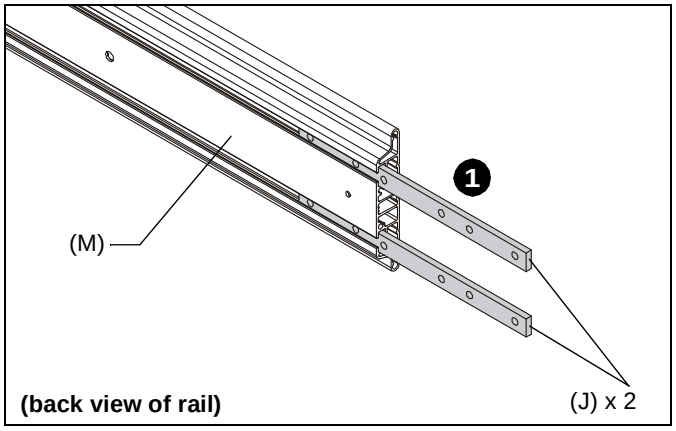


Figure 1

2. Secure connect bracket (A) to front of mounting rail (M) using three 10-24 x 1-1/2" flat head cap screws (E) fastened through one side of connect bracket, mounting rail, tie bars (J) and into connector plate (C). (See Figure 2)

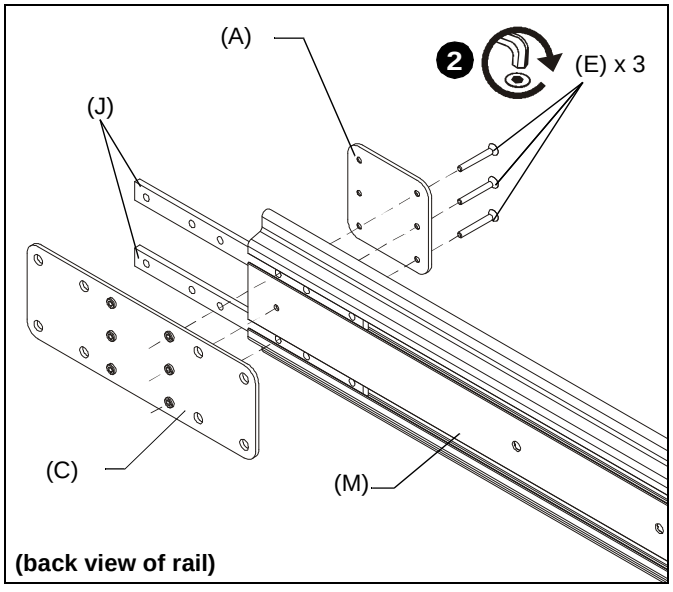


Figure 2

3. Additionally fasten connector plate (C) using four 5/16 x 5/8" button head cap screws (D), four 5/16" split washers (B), and four friction washers (F). (See Figure 3)

4. Slide second section of mounting rail (M) over tie bars (J) and bring it flush to first section of mounting rail. (See Figure 3)

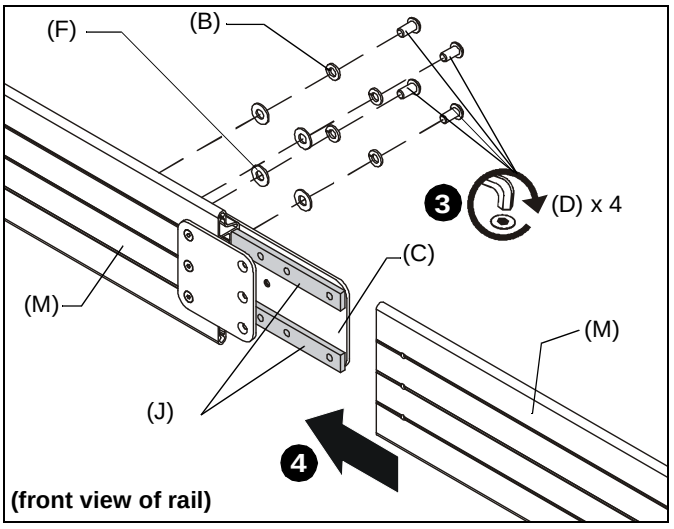


Figure 3

5. Secure connect bracket (A) to front of second section of mounting rail (M) using three 10-24 x 1-1/2" flat head cap screws (E) fastened through one side of connect bracket, mounting rail, tie bars (J) and into connector plate (C). (See Figure 4)

6. Additionally fasten connector plate (C) using four 5/16 x 5/8" button head cap screws (D), four 5/16" split washers (B), and four friction washers (F). (See Figure 4)

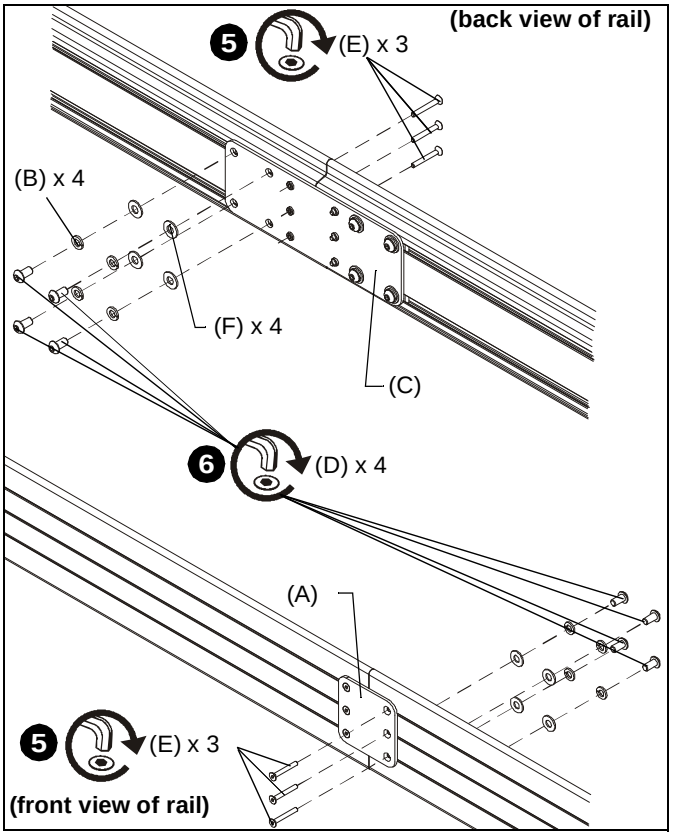


Figure 4

ATTACHING END CAPS

1. Attach one end cap (K) with two 1/4-20 x 1/2" Phillips head screws (L) to end of mounting rail (M). (See Figure 5)

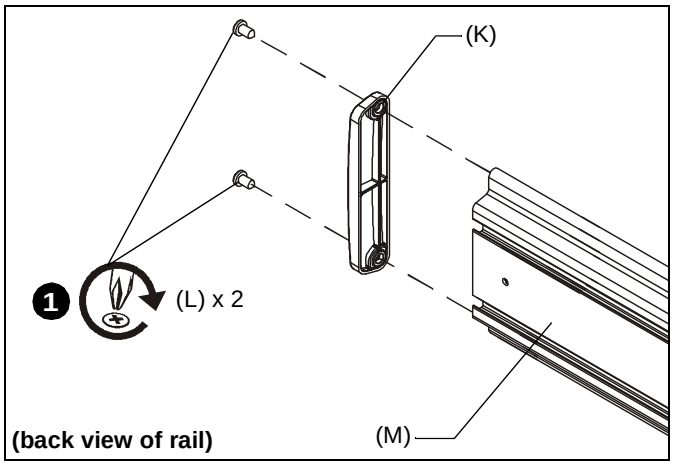


Figure 5

2. Proceed to **FMSWA/FMSWM or FMSCM/FMSCA installation instructions** for attaching mounting rails to wall brackets or ceiling heads.
3. Attach one remaining end cap (K) with two 1/4-20 x 1/2" Phillips head screws (L) to end of mounting rail (M). (See Figure 6)

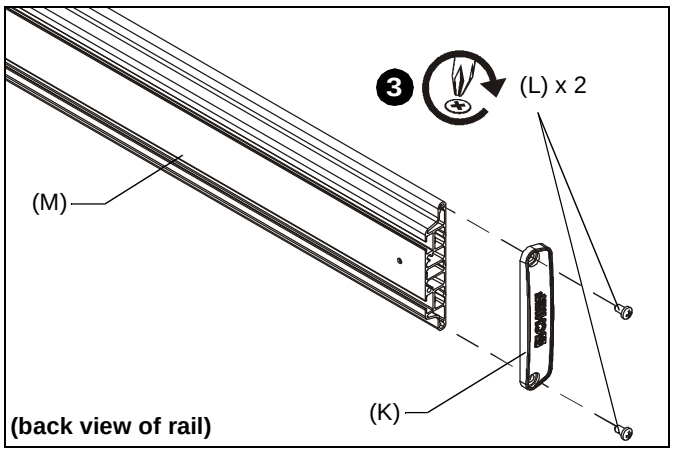


Figure 6

CHIEF®

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