

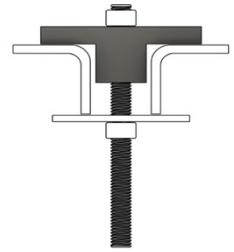


**MCL HANGER**  
**CONCENTRIC Open Web Steel Joist Hanger**  
**M2 Hanger Cut Sheet**

Material Code -  
 CSI Number 055600  
 Sintered High Temp Metal

- For new construction, building upgrades, floor plan changes and maintenance.
- Use on either top or bottom chord of open web steel joist where chord gap is between .85"-1.25".
- Designed for roll formed top and bottom chords but will work on square corner chords as well. Will not work on Unistrut. (See M1 and M3 for Unistrut application.)
- Low narrow profile allows installation within 6" of panel points.
- Quick and easy to pre-assemble and install.
- Use any length all thread rod in 1/4", 3/8", or 1/2" diameter.
- Need heavy duty washer (2.5" diameter x 1.34" thick), all thread rod, and hex nuts for installation. Can be purchased separately through MCL Hangers.
- All parts manufactured in the United States.

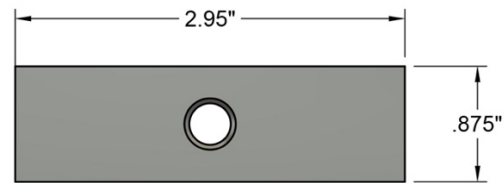
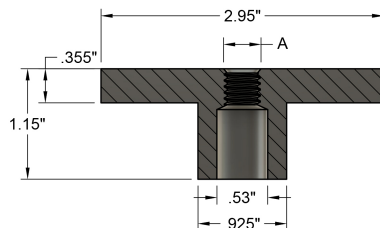
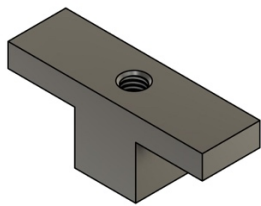
Top chord, end view



Bottom chord, end view



MCL Hangers for 3/8" and 1/2" meets standards for safety under UL203, ULC/ORD C203 and NFPA-13 Pipe Hanger Equipment for Fire Protection Service.



Part Number	A Thread Size	Max. Pipe Size	UL Test Load (lbs.)
MM225T	1/4"	-	-
MM238T	3/8"	4"	1500
MM250T	1/2"	8"	4050





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## M2 Hanger Cut Sheet

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### MCL HANGERS (M1, M2, M3) - FC-0208-50 MATERIAL SPECIFICATIONS

Iron-Copper and Copper Steel

PPM Material Properties – Inch-Pound Units

MINIMUM VALUES		TYPICAL VALUES												
Material Designation Code	Minimum Strength (A)	TENSILE PROPERTIES			ELASTIC CONSTANTS					HARDNESS				
	Yield	Ultimate Strength	Yield Strength (0.2%)	Elongation (in 1 inch)	Young's Modulus	Poisson's Ratio	Unnotched Charpy Impact Energy	Transverse Rupture Strength	Compressive Yield Strength (0.1%)	Macro-indentation (apparent)	Micro-indentation (converted)	RBF Fatigue Limit 90% Survival	Density	
	10 <sup>3</sup> psi	10 <sup>3</sup> psi	10 <sup>3</sup> psi	%	10 <sup>6</sup> psi		ft-lbf	10 <sup>3</sup> psi	10 <sup>3</sup> psi	Rockwell		10 <sup>3</sup> psi	g/cm <sup>3</sup>	
-50	50	60	55	<1	17.5	0.25	5	125	50	73	N/D	23	6.7	

### INSTALLATION INSTRUCTIONS

Items & quantities	1/4"	3/8"	1/2"
1 – M2 MCL Hanger	MM225 MM225T	MM238 – cULus MM238T – cULus	MM250 – cULus MM250T – cULus
1 – All thread rod	1/4" – 20	3/8" – 16	1/2" - 13
2 – Hex nuts	1/4" – 20	3/8" – 16	1/2" - 13
1 – Heavy Duty washer	10+ gauge x 2.5" diameter		

How to install:

1. Take all thread rod and thread up through the hanger enough to secure a hex nut onto the top of the hanger.
2. Where you want to put the hanger, hold all thread rod and push hanger up through the center gap of the top or bottom chord until the hanger goes through. Rotate 90° and drop hanger back down on the chord.  
Note: For Unistrut hold the hanger and drop the all thread rod through the elongated slot, resting the hanger on top.
3. Slide heavy duty washer onto the threaded rod and hold in place while threading a hex nut onto the rod. Finger-tighten so that tension on washer secures the hanger assembly in place.
4. Torque nuts: 60 lb inch or 6-8 NW. If torque wrench is not available, use a wrench tighten hex nut 1/2 to 1 full turn.

