MCL HANGER

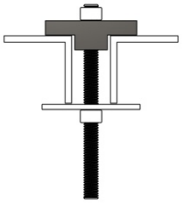
CONCENTRIC Open Web Steel Joist Hanger

M1 Hanger Cut Sheet

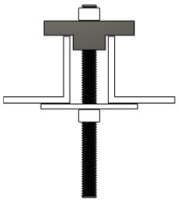
Material Code -
CSI Number 055600
Sintered High Temp Metal

- 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”- 1.0875”. (M2 should be used for top chord of cold-rolled formed joist.)
- Use to hang items from Unistrut or to affix Unistrut bar to an open web steel joist.
- 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 1.28” thick), all thread rod, and hex nuts for installation. Can be purchased separately through MCL Hangers.
- All parts manufactured in the United States.

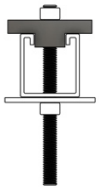
Top chord, end view



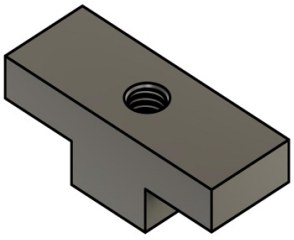
Bottom chord, end view

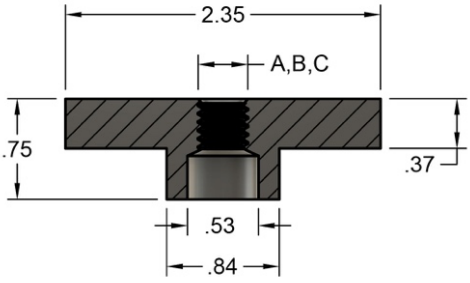


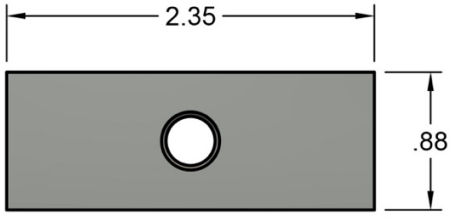
Unistrut, end view



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.)
MM125T	1/4"	-	-
MM138T	3/8”	4”	1500
MM150T	1/2"	8”	4050

256-708-1315

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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	UnnotchedCharpy Impact Energy	Transverse Rupture Strength	Compressive Yield Strength (0.1%)	Macro-indentation (apparent)	Micro-indentation (converted)	RBF Fatigue Limit 90% Survival	Density
	10^3 psi	10^3 psi	10^3 psi	%	10^6 psi		ft-lbf	10^3 psi	10^3 psi	Rockwell		10^3 psi	g/cm^3
-50	**50**	**60**	**55**	**<1**	**17.5**	**0.25**	**5**	**125**	**50**	**73**	**N/D**	**23**	**6.7**

INSTALLATION INSTRUCTIONS

You will need: 1 – M1 MCL Hanger, 1 – all-thread rod, 1 – heavy duty washer, & 2 – hex nuts

1. Take all-thread rod and thread up through the hanger enough to secure a hex nut onto it on 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 completely through. Rotate 90^o and drop hanger back down on the chord.

   Note: Unistrut – Only M1 and M3 - For Unistrut hold the hanger and drop the all-thread rod through the elongated slot, resting the hanger in the channel of the Unistrut.
3. Slide heavy duty washer onto the threaded rod and hold while threading a hex nut onto the rod. Finger-tighten against washer.
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.