



# INSTRUCTIONS

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## WARNING LINE



Picture may differ from actual product.



**READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT.  
KEEP THIS MANUAL HANDY FOR FUTURE REFERENCE.**

**THIS EQUIPMENT MEETS ANSI,  
NBC, CNESST, CSTC, RSST,  
OBC, OSHA AND WORKSAFE BC  
STANDARDS.**

# OPERATIONAL SAFETY



## READ BEFORE BEGINNING ASSEMBLY.

**FAILURE TO UNDERSTAND AND FOLLOW ALL SAFETY RULES AND ASSEMBLY INSTRUCTIONS  
COULD RESULT IN SERIOUS INJURY OR DEATH.**



### **METAL CONDUCTS ELECTRICITY:**

Do not use this equipment where contact may be made with power lines or other live electrical circuits.

## INSTRUCTIONS AND SAFETY

- Do not use this equipment if you are in poor health, taking medications, drugs, or have been consuming alcohol, all of which may impair your ability to work safely on this product.
- Comply with local or national legislation that applies for the use of this type of equipment.
- Examine thoroughly to ensure that the warning line is properly set up.
- Always check that the surface under the foot clamps and/or the warning line bases are free of debris. Good adhesion is necessary in order to avoid movements or slipping.
- Never use warning line for purposes that were not intended for.
- Warning line is not designed and should not be used as a fall protection anchor for workers.
- Inspect before use. Do not use this equipment if it is damaged or missing parts.
- Always inspect equipment before use to make sure it is working properly and that it is suitable for the needs.
- Always wear the mandatory protective equipment when installing a warning line.
- Report and protect access to the site if the installation of the warning line is not complete and safe.
- It is imperative to use only the manufacturer suggested parts to assemble the warning line.
- Never use warning line in poor safety conditions, such as extreme weather conditions.

## EQUIPMENT INSPECTION

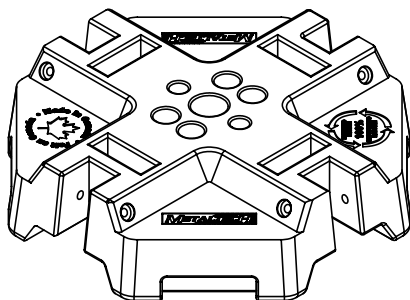
- The equipment you plan to use should be inspected to make sure it is in good condition and suitable for the job.  
Check the following:
  - SILLS: installed in accordance with the assembly guide, respecting the maximum distances and the number of bases.
  - CLAMPS: must not contain cracks and the fastening screws must be tightened to the specified torque.
  - OTHER COMPONENTS: inspect any other component of the structure. Any damaged part should be labeled and marked as improper for use.

## STANDARDS COMPLY\*

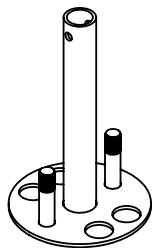
- The warning line must be capable of withstanding a load of 100 N applied horizontally at the line's highest point or vertically at its midpoint between 2 stanchions.
- The warning line must be made of a rigid strip, a cable or a chain able to withstand a tractive force of at least 2.22 kN.
- The configurations presented in this guide have been designed to withstand the loads for installation on an elastomeric membrane. Modifications to the configurations may be necessary depending on the type of roofing membrane used.

\*RSST - S-2.1, r.4 - 2.9.4.1 - Warning Line

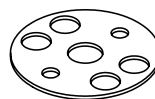
# PARTS



**M-MTB**  
RUBBER BASE



**M-MTS02**  
BASE SUPPORT  
(STACKABLE SYSTEM)



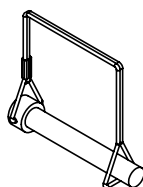
**M-MTS03**  
BASE PLATE  
(STACKABLE SYSTEM)



**VB-NM20GV**  
20 mm NUT



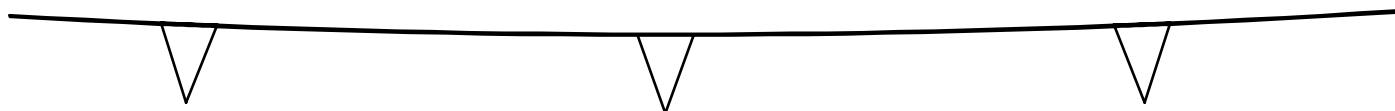
**AL-A0050**  
END CAP



**I-CAS5PIN**  
LOCKING-PIN



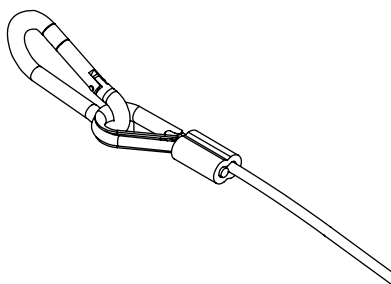
**M-MTCWL**  
HOOK CLAMP



**M-MTWLR**  
NYLON ROPE WITH PENNANTS



**M-MTS01**  
GUARDRAIL POST  
(STACKABLE SYSTEM)



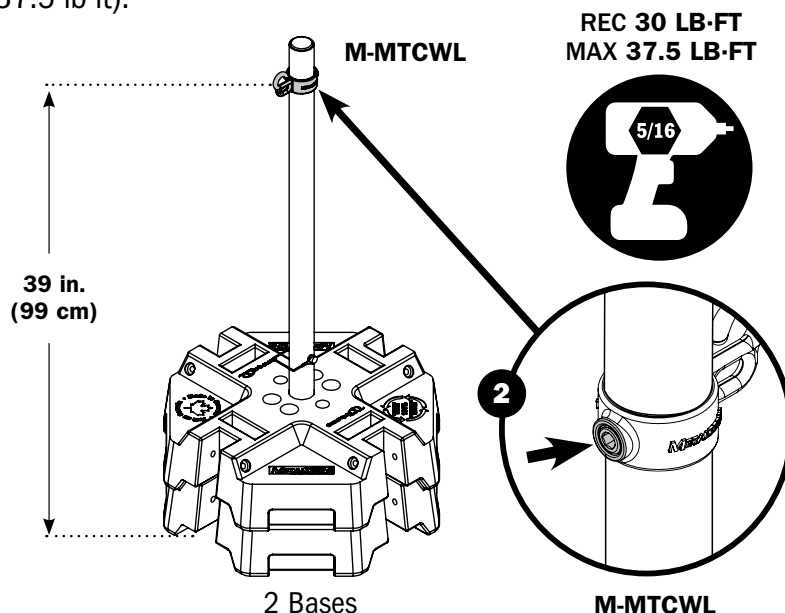
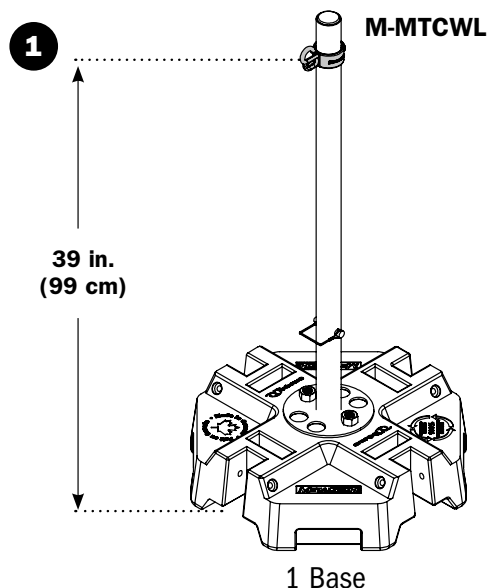
**M-MTWLC8 (CANADA)**  
**M-MTWLC20 (USA)**  
NYLON COATED STEEL WIRE  
WITH CARABINERS



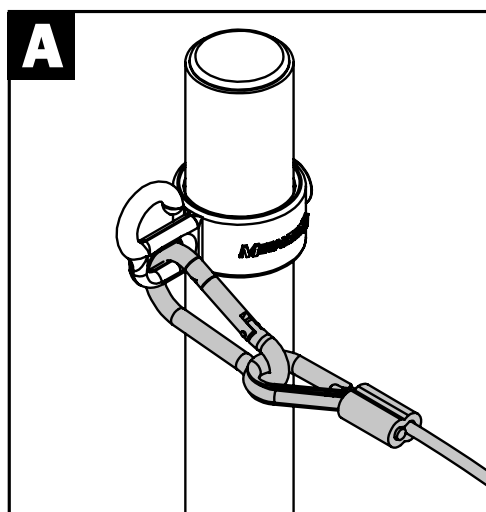
**M-MTWLFPL**  
PLASTIC  
PENNANT

# ASSEMBLY - WARNING LINE

- 1 Add the fitting 39 in. (99 cm) from ground level to complete sets of one or two bases.
- 2 Tighten the fastening screw to 30 lb-ft (max 37.5 lb-ft).

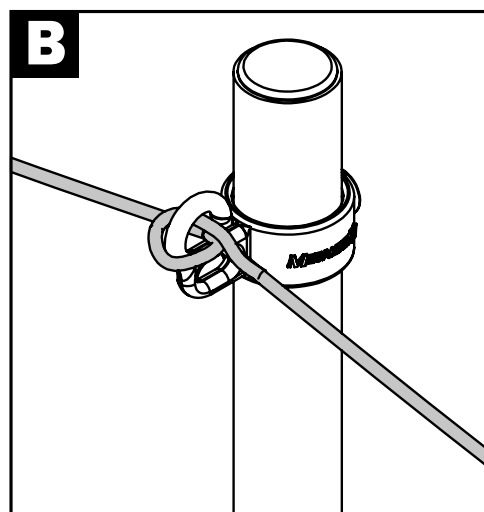


- 3 Two options are available to connect the vertical posts.



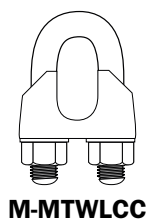
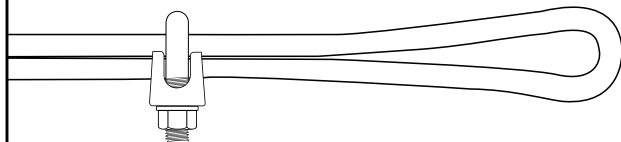
Warning line system  
with carabiners and cables.

**M-MTWLC8** (Canada)  
**M-MTWLC20** (United States)



Rope warning line system.

**M-MTWLR**



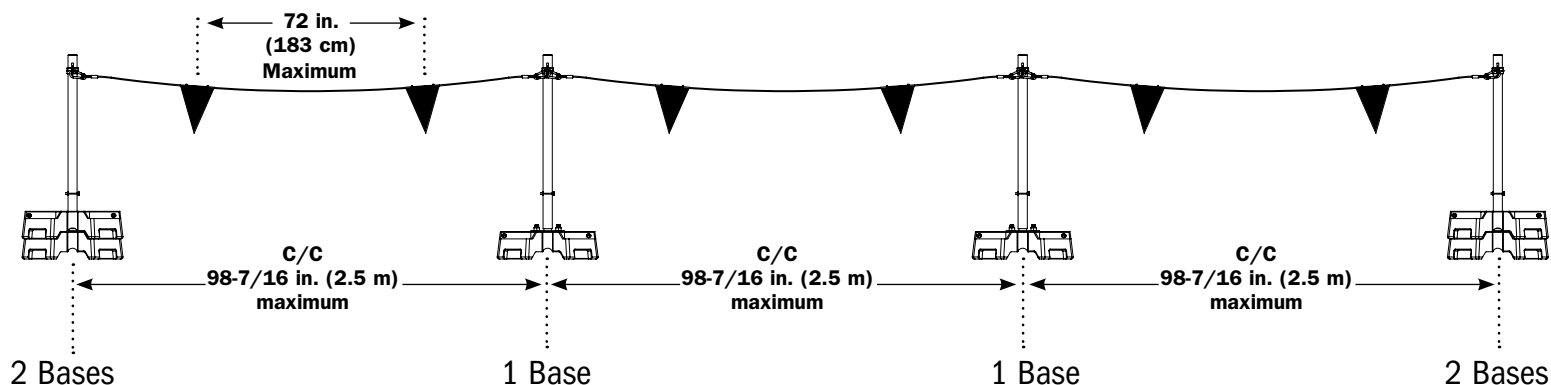
## CABLE CLAMP

Possibility of using cable clamp, when  
your cable is too long at the end of  
an installation.

# INSTALLATION IN QUEBEC ACCORDING TO RSST - S-2.1, R.4 - 2.9.4.1

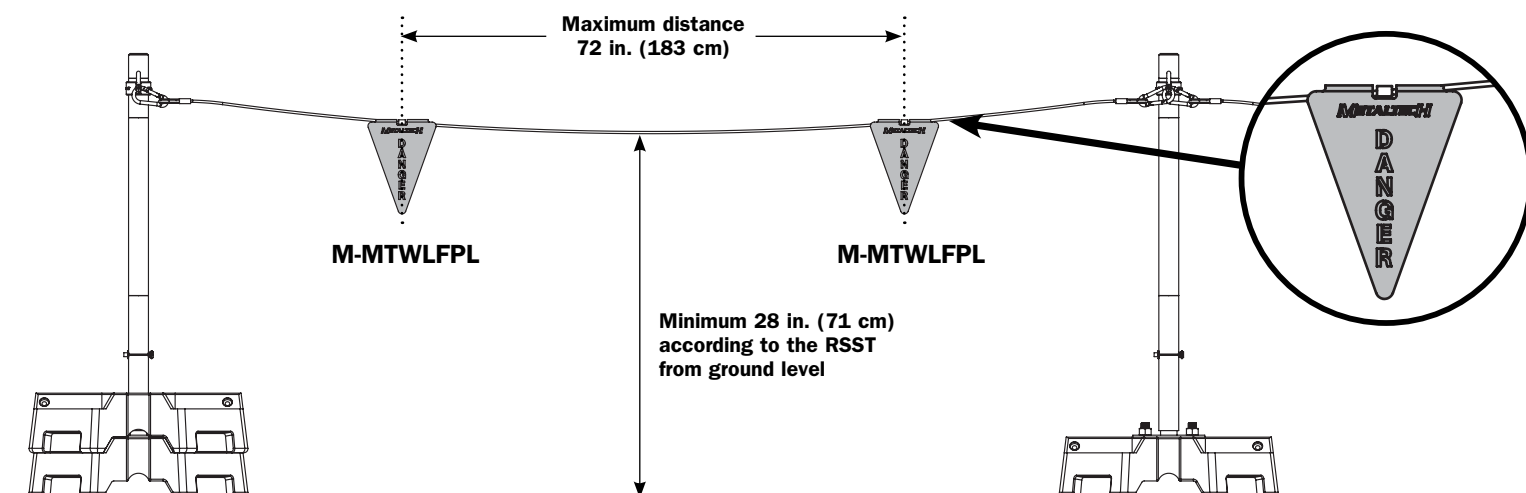
Install the base sets according to the desired configuration. Always install a set consisting of two bases at each end and corners (change of direction).

\* **Note:** The warning line should be located 78-3/4 in. (2 m) from the edge of the roof. The maximum distance between posts is 98-7/16 in. (2.5 m) in Quebec. A minimum of 2 pennants per 98-7/16 in. (2.5 m) section is required to ensure that the pennants are separated by a maximum of 72 in. (183 cm).



For the carabiner and cable system, install two safety flags on the warning lines at a maximum distance of 72 in. (183 cm) C/C from each other.

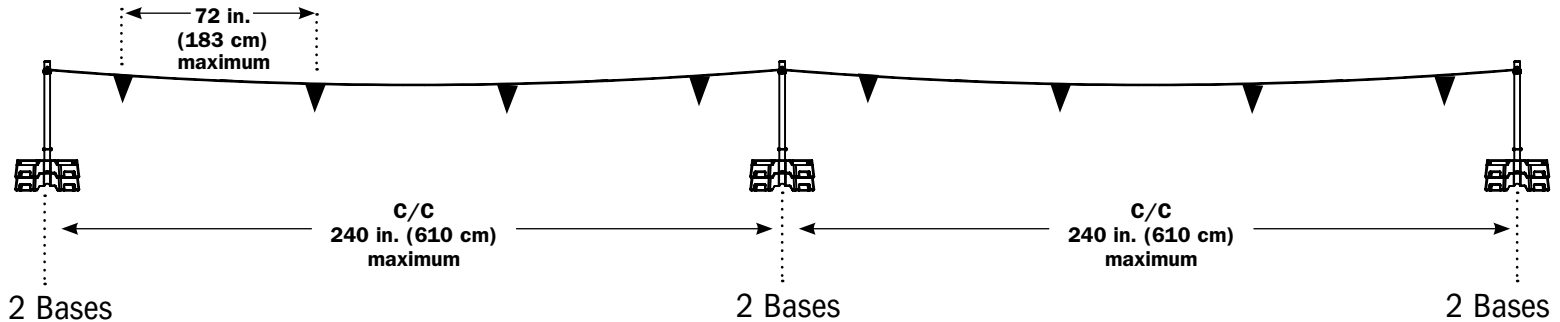
\* **Note:** The lowest point of the extension line should never be less than 28 in. (71 cm) from ground level.



# INSTALLATION IN CANADA AND THE UNITED STATES ACCORDING TO OSHA 29 C.F.R. & 1926.502 (F)

Install the base sets according to the desired configuration. Always install a set consisting of two bases.

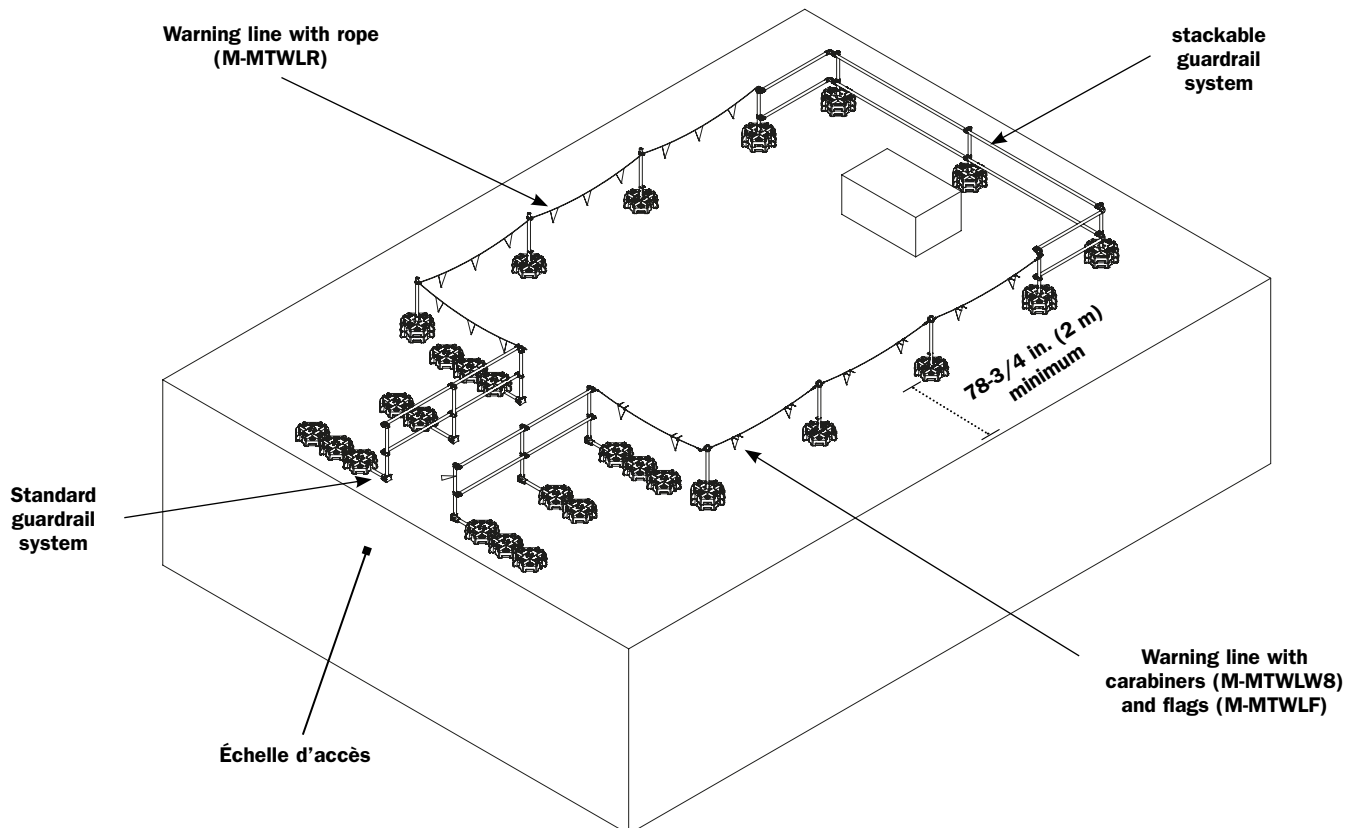
\* **Note:** The warning line should be located 78-3/4 in. (2 m) from the edge of the roof. The maximum distance between the posts is 240 in. (610 cm) for this configuration. A minimum of 4 pennants per 240 in. (610 cm) section is required to ensure that the pennants are separated by a maximum of 72 in. (183 cm)



## CONFIGURATION CONNECTION WITH EXISTING GUARDRAIL

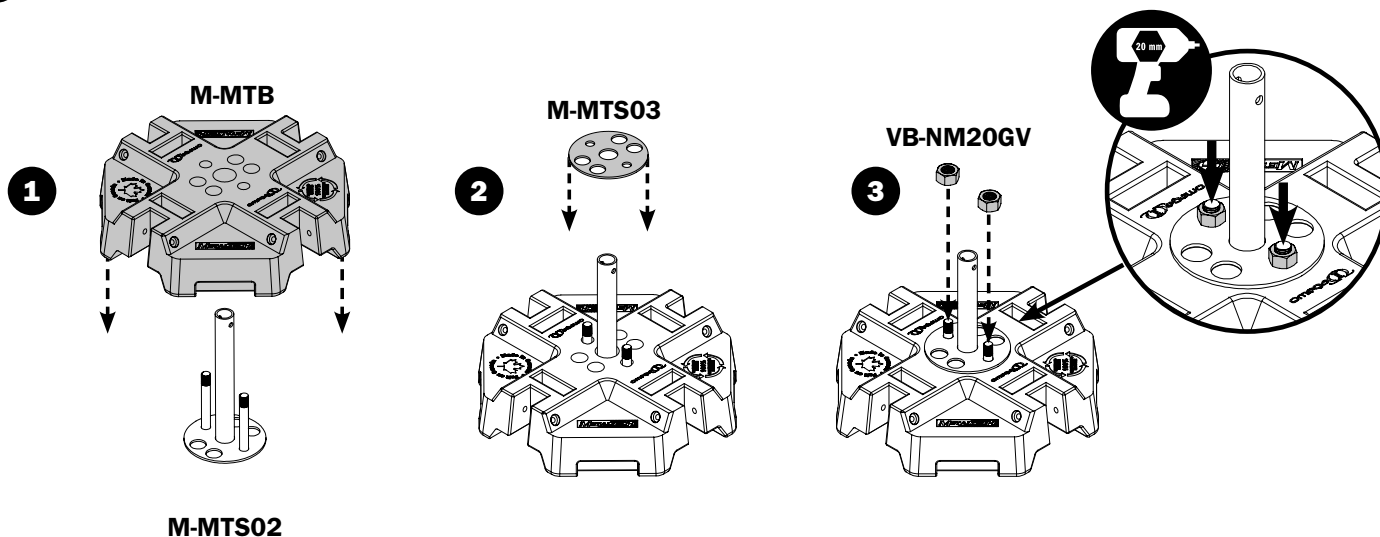
Warning lines are an excellent way to connect standard and/or stackable guardrails already on the roof.

\* **Note:** A warning line must always be installed at a minimum distance of 78-3/4 in. (2 m) from the edge of the roof. Otherwise, a guardrail must be installed.

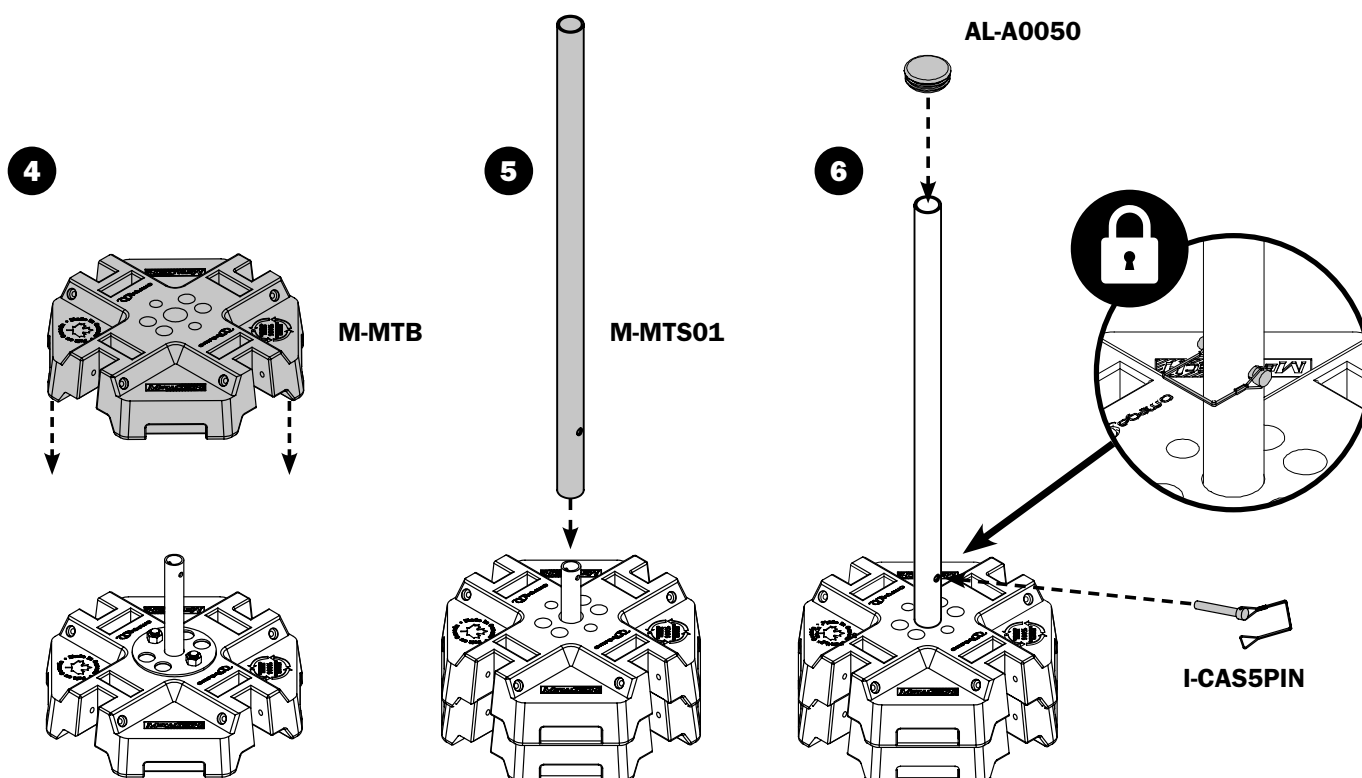


# ASSEMBLY - STACKABLE CONFIGURATION

- 1 Place a rubber base on the base support.
- 2 Install a support plate on the base support over the rubber base.
- 3 Secure the assembly by tightening the two nuts with an impact drill.



- 4 Add a second rubber base to the base support (ends and corners posts of the line).
- 5 Insert the vertical post onto the base bracket.
- 6 Lock the assembly with a locking rod.



## Customer Service

# 1 800 363-7587

Our customer service staff is available to help you. For help with product assembly, to report damaged or missing parts, or for any other information about this product, please call our toll-free number.

### **KEEP THIS MANUAL FOR FUTURE REFERENCE**

Keep this manual and the original sales invoice in a safe, dry place for future reference.

## Ten Years Limited Warranty

Metaltech-Omega Inc. guarantees this product against any material defect. Please return this product, freight prepaid, to Metaltech-Omega Inc. At its own discretion, Metaltech-Omega Inc. will replace or repair this product and return it within a reasonable time. This warranty does not cover any damage(s) caused by any incorrect or inappropriate use, care or maintenance. Proof of purchase must accompany the return.



Metaltech is a registered trademark of Metaltech-Omega inc.

**WWW.METALTECH.CO**  
**1 800 363-7587**  
LAVAL, QUEBEC, CANADA H7L 3N6

IN-MTWL-NA-EN06