

# MSTAM/MSTCM

## Strap Ties

MSTAM and MSTCM models are designed for wood-to-masonry applications.

The MSTC series has countersunk nail slots for a lower nailing profile.

**Finish:** Galvanized. Some products are available in stainless steel or ZMAX® coating.

**Installation:**

- Use all specified fasteners; see General Notes
- Attaches to grouted concrete block and wood framing
- Minimum end and edge distance for Titen Turbo™ screws is 1½"

**Codes:** See p. 13 for Code Reference Key Chart

**Web Applications:** Visit [app.strongtie.com/rws](http://app.strongtie.com/rws) to access our Roof-to-Wall Selector web application.



These products are available with additional corrosion protection. For more information, see p. 16.

### Masonry and Concrete Applications

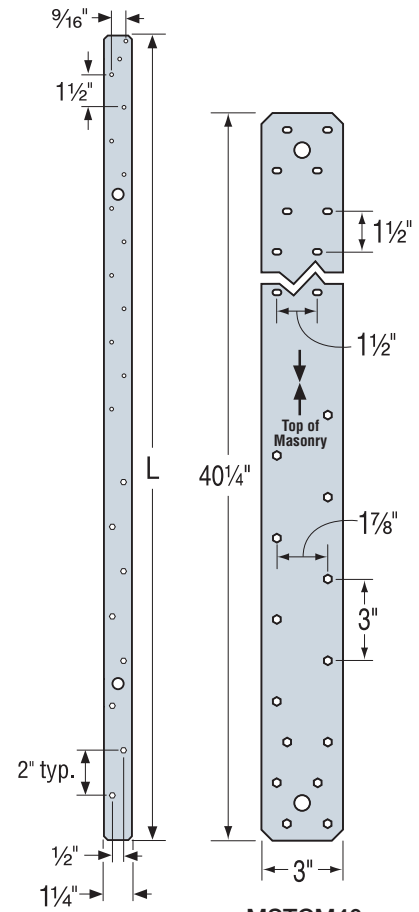
Model No.	Ga.	Dim. (in.)		Fasteners (in.)			DF/SP/SPF/HF Allowable Tension Load (160)		Code Ref.
		W	L	Nails	GFCMU Titen Turbo	Concrete Titen Turbo	GFCMU	Concrete	
MSTAM24	18	1¼	24	(9) 0.148 x 3	(5) ¼ x 2¼	(5) ¼ x 1¾	1,425	1,450	FL
MSTAM36	16	1¼	36	(13) 0.148 x 3	(8) ¼ x 2¼	(8) ¼ x 1¾	1,870	1,870	
MSTCM40	16	3	40¼	(26) 0.148 x 3¼	(14) ¼ x 2¼	(14) ¼ x 1¾	4,220	4,220	
MSTCM60	16	3	59½	(26) 0.148 x 3¼	(14) ¼ x 2¼	(14) ¼ x 1¾	4,220	4,220	

See footnotes below.

### Floor-to-Floor Clear Span Table

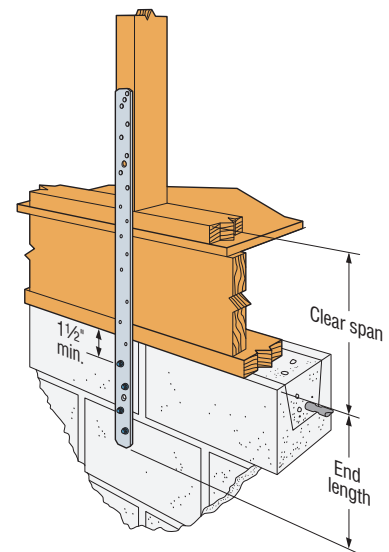
Model No.	End Length (in.)	Clear Span (in.)	Fasteners (Total) (in.)			Allowable Tension/Uplift Loads		Code Ref.
			Nails	GFCMU Titen Turbo	Concrete Titen Turbo	DF/SP (160)	SPF/HF (160)	
MSTAM36	8¾	16 or 18	(7) 0.148 x 3	(4) ¼ x 2¼	(4) ¼ x 1¾	1,140	1,140	—
MSTCM40	11½	16 or 18	(14) 0.148 x 3¼	(10) ¼ x 2¼	(10) ¼ x 1¾	2,500	2,325	
MSTCM60	17½	22¼	(26) 0.148 x 3¼	(14) ¼ x 2¼	(14) ¼ x 1¾	4,220	4,220	
MSTCM60	17½	26¼	(20) 0.148 x 3¼	(14) ¼ x 2¼	(14) ¼ x 1¾	3,840	3,320	

1. Loads have been increased for wind or earthquake loading, with no further increase allowed. Reduce where other loads govern.
2. Minimum edge distance for Titen Turbo screw is 1½".
3. Concrete shall have a minimum compressive strength of  $f'_c = 2,500$  psi.
4. Grout-filled CMU (GFCMU) shall have a minimum compressive strength of  $f'_m = 1,500$  psi.
5. Products shall be installed such that Titen Turbo screws are not exposed to the exterior environment.
6. See p. 367 for Titen Turbo screw information.
7. **Fasteners:** Nail dimensions are diameter by length. Titen Turbo screws are Simpson Strong-Tie concrete and masonry screws (hex-head model required). See pp. 23–24 for fastener information.

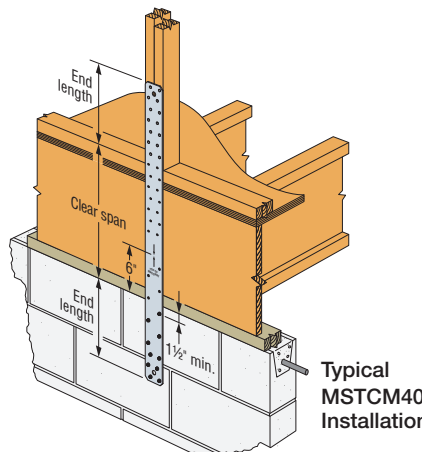


MSTAM36

MSTCM40  
(other MSTCM similar)



Typical MSTAM36 Installation



Typical MSTCM40 Installation