



MILLARD TOWERS LTD.

# ILS MONITOR TOWERS



Millard's frangible towers can be used to support Near-Field (NFM) and Far-Field Monitors (FFM). Similar to other ILS equipment, these applications have stringent deflection requirements. Towers are built in 75cm increments with a maximum deflection of half a degree under operational conditions. The towers have been thoroughly analyzed and tested to meet these requirements with over 70 years of experience to support this claim.

Towers are made from high-grade Aluminum Alloy and suitable for the most extreme environmental conditions with high wind, ice, UV, and saltwater exposure. A modular design, lowering features, and customizable mounts make it easy to ship, install, and service.



**KEEPING THE WORLD ON COURSE SINCE 1951**

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2020-06

**CONSTRUCTION.**

SECTIONS, PLATES, ACCESSORIES (ASTM): 6000 Series Aluminum  
 HARDWARE (ASTM): Grade 5 EcoGuard Steel  
 ANCHOR BOLTS (ASTM): Hot-dipped Galvanized Steel  
 POWDER COATING (AAMA): Orange-White Banding  
 RECYCLABLE (LEED): Made from 75% recycled content

**PERFORMANCE.**

FRANGIBILITY: ICAO Doc 9157 & FAA AC 150 / 5345-45  
 ENGINEERING: CSA S37  
 OPERATIONAL WIND LOAD: 750Pa (120km/h) mean hourly  
 SURVIVAL WIND LOAD: 1,500Pa (170km/h) 3-second gust  
 OPERATIONAL DEFLECTION: <0.5 degrees

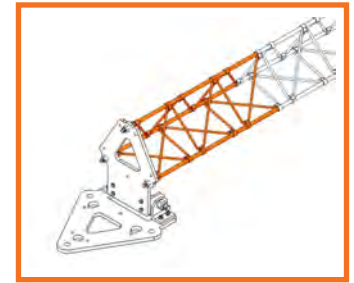
**STANDARD TOWERS.**

PART NO*	HEIGHT (m)	BASE
TFII-0075-xR00-B1	0.75	7T
TFII-0150-xR00-B1	1.50	7T
TFII-0225-xR00-B1	2.25	7T
TFII-0300-xR00-B1	3.00	7T
TFII-0375-xR00-B1	3.75	9T
TFII-0450-xR00-B1	4.50	9T
TFII-0525-xR00-B1	5.25	9T
TFII-0600-xR00-B1	6.00	13T
TFII-0675-xR00-B1	6.75	13T
TFII-0750-xR00-B1	7.50	13T

\* where x = "F" for Fixed Base or "T" for Tilt Base

**SERVICING.**

Fixed Base



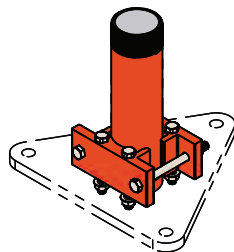
Tilt Base

For its Monitor towers, Millard offers two servicing features - Fixed Base and Tilt Base. Fixed Base designs must be maintained from the ground if it can be reached, or by a portable ladder. However, designs are light enough to be installed by hand without the use of a crane. Tilt Base designs are assembled along the ground and raised manually by hand. For maintenance, the design can be lowered, serviced, and raised back into position by hand.

**STANDARD.**

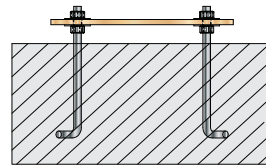
MONITOR MOUNT

7T/9T: AMB-0000-0053



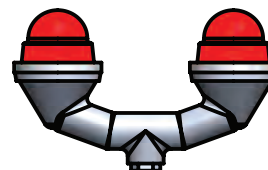
TOP MOUNT

1" NPT, 32mm OD:  
AMB-0000-0064

**OPTIONAL.**

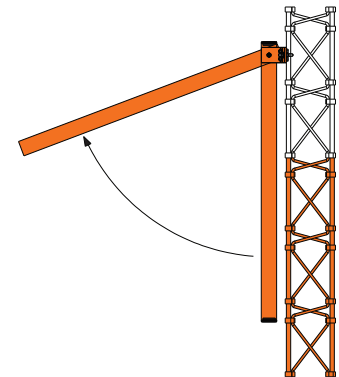
FOUNDATION KIT

7T: AAF-07T0-0000  
 9T: AAF-09T0-0000  
 13T: AAF-13T0-0000



OBSTRUCTION LIGHT

SINGLE, 100-240VAC:  
ELOM-AC01-0001  
 DOUBLE, 100-240VAC:  
ELOM-ACO1-0001



TILT STAND

7T/9T: ATA-TT00-0007