

WEATHER

30 ft Tilt Tower

Model 8522



Overview

The Model 8522 Frangible Tilt Tower is constructed of 6000 Series aluminum alloy, giving it a particularly high minimum yield strength. It is engineered to withstand maximum wind gusts of up to 115 km/h (62 knots) with 25 mm of ice buildup and 180 km/h (97 knots) with no ice with a wind sensor and obstruction light mounted near the top of the tower. The tower has four sections with a hinge design for tilting to allow the tower to be lowered so that installed equipment can be serviced at ground level.

Certification

- The Model 8522 tower is a frangible tilt tower designed to meet CSA S37-M86 frangibility criteria for airport approach applications.
- The tower is FAA approved for use in non-Federal AWOS systems, making it an option for the F1 AWOS.
- The tower is compliant with ICAO requirements for international AWOS installations.

Ordering Information

Part Number	Description
8522	30 ft Frangible Tilt Tower
M488276-00	Dual 120 V LED Obstruction Light Kit <i>LED Obstruction Light listed as approved in Advisory Circular (AC) 150/5345-53, Addendum to Appendix 3</i>
M488270-01	Model 2040 Series Wind Sensor Mounting Kit
M488522-00	WMT702 Wind Sensor Mounting Kit
M488278-01	Lightning Down Conductor Installation Kit
M488150	Tower Ground Rod Kit

Specifications

Parameter	Specification
Tower Height	30 ft (9.1 m)
Material	6000 Series aluminum, alternating orange-white powder coating
Number of Sections	4, plus 1 m adjustable top mount
Section Length	2.3 m (7.5 ft)
Tilt Base	2.3 m (7.5 ft) above tower base