

WEATHER

30 ft Stacked Tower

Model 8509



Overview

The Model 8509 stacked tower is constructed of heavy, 14 gauge special quality steel tubing in an 18-inch equilateral triangular pattern. The cross bracing is a zig-zag design of continuous, solid steel rod arc-welded to side rails every 15 inches. The tower is painted in international orange and white, with six stripes.

Accuracy by Design

The Model 8509 tower consists of three 10 ft sections, and a 5 ft base section for mounting into a concrete foundation. The entire tower is constructed using precision machines and electric arc welding throughout. The tower sections are completely hot dip galvanized after fabrication to give permanent protection against corrosion. Since galvanization is the last step in the process, all welding points and other points of construction are fully covered with molten zinc, which tends to seal itself should there ever be any breakage on the surface.

Certification

- The Model 8509 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
8509	Complete 30 ft Stacked Tower with Base
85092	10 ft Tower Section Only
85093	Tower Base Only
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
AWP213	WMT702 Wind Sensor Mounting Kit
M488150	Tower Ground Rod Kit

Specifications

Parameter	Specification
Tower Height	30 ft (9.1 m)
Material	steel tubing
Distance Between Side Rails	41.3 cm (16.25")
Side Rail Diameter	3.2 cm (1.25")
Leg Cross-Sectional Area	1.96 cm ² (0.3043 sq in)
Unbraced Length of Side Rail (distance between cross pieces)	38.7 cm (15.25")
Section Length	3.2 m (10.4 ft)
Section Weight	31.8 kg (70 lb)
Tower Weight	111 kg (245 lb)