

# Towers: 30 ft. & Tripod



## 30 ft. Tower

- ▶ Equilateral triangle welded truss design
- ▶ Built-in 10-foot lengths for mounting weather instruments
- ▶ Typically includes one top section, a tapered section, a straight section, & an appropriate base
- ▶ Made of aircraft-grade 6063- T832 aluminum tubes and 6061-T6 bracing rods.
- ▶ Guyed Tower provides extra strength & stability by adding three 64 in. anchor rods, wire rope & associated hardware
- ▶ Galvanized Steel Towers & Other Heights of Towers Available on Request.

<b>30 ft. Tower Specifications</b> <i>Specifications subject to change without notice</i>	
Wind Load of Attachments	Zone A: up to 4.5ft <sup>12</sup> Zone B: up to 2.5ft <sup>12</sup> Zone C: up to 1.5ft <sup>12</sup>
Height	30 feet
Weight	38 lb.
Tower Cross at Base	13.5-inch triangle
Section at Top	10.25-inch triangle
Material Tubes	1 in. x 0.0065 wall 6063-T832
Braces	3/8 inch solid 6061-T6
Construction	Three sections plus base
Base Mount	Installed in 0.5 -1 yd <sup>3</sup> concrete
<b>Ordering</b> Other heights are available by request.	
5100-0210	Tower, 30 ft., Free standing
5100-0220-1	Tower, 30 ft., Guyed
<b>Accessories</b>	
5100-0600-2	Lightning Protection Kit, Tower
2911-1066-1	Mounting Hardware, Antenna
6211-1012-1	Enclosure Mounting Hardware
2911-1196-1	Mounting Hardware, Tipping Bucket
6661-1098-1	Mounting Kit, Pyranometer

### IMPORTANT INFORMATION: Installation of a Tower without the Proper Base Voids All Warranties.

- ▶ Special care is required during installation. All tower BASES must be set in concrete before the tower is assembled & raised to an upright position. CONCRETE SHOULD BE ALLOWED TO SET 3-4 DAYS BEFORE THE TOWER IS ERECTED.
- ▶ Aluminum tower SECTIONS should NEVER BE PLACED DIRECTLY IN CONCRETE! The corrosive effects of cement can destroy aluminum tower sections.
- ▶ Use ONLY THE BASES provided with the tower.
- ▶ Tower SECTIONS also REQUIRE DRAINAGE to minimize the possibility of freezing and splitting. The base provided allows the tower to drain properly to minimize possibility of damage.



## Tripod Tower

Light-weight collapsible tripod for rapid deployment & retrieval

- ▶ Easily transported and erected by a single person
- ▶ Supports complement of weather/atmospheric instrumentation weighing <15 lbs. w/winds <90 mph
- ▶ Standard 6 ft., no guys required
- ▶ Expandable to 10 ft. (Guys should be used.)
- ▶ Easily erected by one person
- ▶ Free standing in winds up to 30 mph.
- ▶ Easily installed foot pad anchors

### Applications

- ▶ Mounting wind instruments & Antennas
- ▶ Temporary/portable installations

<b>Tripod Tower Specifications</b>	
Weight	15 lbs.
Length	48 inches (collapsed)
Height	6 ft. or telescoping to 10 ft. (erected)
Mounting	Mast top - dia. of 3/4 in. water pipe & fits most cross-arm clamps. Other members - 15/16 in. dia.
Materials	Epoxy painted aluminum
<b>Ordering</b>	
5100-0209	Tower, 6 ft. (expandable to 10 ft.)
<b>Accessories</b>	
5100-0208	Crossarm Assembly, Wind Sensor