

30 FT TOWER & TRIPOD TOWER

5100-0209, 5100-0210, -0220



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.

SPECIFICATIONS

WIND LOAD OF ATTACHMENTS	Zone A: up to 4.5ft ² Zone B: up to 2.5ft ² Zone C: up to 1.5ft ²
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 in. solid 6061-T6
CONSTRUCTION	Three sections plus base
BASE MOUNT	Installed in 0.5 - 1 yd ³ concrete

ORDERING

5100-0210	Tower, 30 ft., Free standing
5100-0220-1	Tower, 30 ft., Guyed

ACCESSORIES

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

Other heights are available by request.

IMPORTANT INFORMATION

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.

INSTALLATION OF A TOWER WITHOUT THE PROPER BASE VOIDS ALL WARRANTIES.



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
- Antenna tower
- Temporary/portable installations

SPECIFICATIONS

WEIGHT	15 lbs.
LENGTH	48 in. (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

ORDERING

5100-0209	Tower, 6 ft. (expandable to 10 ft.)
	ACCESSORIES
5100-0208	Crossarm Assy, Wind Sensor