



T30 FOLD-OVER TOWER by ANS Inc.

Engineered for Precision. Designed for Convenience.

ANS Inc. proudly offers the T30 Fold-Over Tower, a purpose-built solution for mounting atmospheric instruments, cameras, antennae, and other critical equipment—ideal for aviation and roadway weather observation applications.

Crafted from lightweight aluminum and featuring a robust three-sided lattice design, the T30 Tower ensures both strength and stability. Each unit is shipped semi-assembled in convenient 10-foot sections for efficient handling and installation.

A signature feature of the T30 is its hinge-and-winch folding mechanism, enabling a single technician to safely lower the tower for maintenance of top-mounted equipment. Choose between a brake winch or a worm gear winch, depending on your operational needs. Custom powder-coated finishes are available upon request (additional charges apply).

The tower package includes a complete set of J-anchor bolts, designed to be embedded in a 36-inch diameter concrete footing. Detailed engineering drawings for both the footing and bolt pattern are provided to ensure proper installation.

Tower Height	30 feet (9 m)
Fold-over Hinge Point	10 feet (3 m)
Section Length	10 feet (3 m)
Section Weight	47 lbs
Shipping Weight Total	450 lbs
Vertical Rails	Extruded T6 Aluminum 5/16 in thick
Lattice Bars	6061 T4 Aluminum Tube 3/4 in diameter
Hardware	Stainless and Galvanized Steel





MAXIMUM ALLOWABLE AVERAGE WIND VELOCITY TABLES

TABLE 1 - No Ice on Tower

TOWER TYPE T3000 - BASIC WIND VELOCITIES					
Material:	Legs	: Extruded Aluminum Alloy 6061-T6	Thickness	: 7.85 mm	
	Lattice	: Aluminum Tube Alloy 6061-T4	Diameter	: 19.1 mm	
			Thickness	: 1.65 mm	
Maximum basic wind velocity on tower (MPH)					
Height of Appurtenance from base of tower	Appurtenance (antenna)				
No Antenna	1.5 ft ²	3.0 ft ²	6.0 ft ²	9.0 ft ²	
10'-0"	91	90	88	86	83
20'-0"	91	88	85	81	76
30'-0"	91	87	83	76	71



Optional Accessories

Guy Wire Kit - ANS-GW3-001

Qty	Item
3	3/8" x 30' Guy Wire, Galvanized
3	3/4" x 36" Threaded Rod, Galvanized
3	5/8" Lifting Eye Nut, Galvanized
3	1/2" Turnbuckle Eye/ Jaw, Galvanized
6	A7+ Concrete Epoxy
1	Caulking Gun
3	Safety Collars
6	3/8" Dead End (preformed) Grip, Galvanized



Lightning Kit - ANS-LK60-001

Qty	Item
1	60" Aluminum Lightning Rod
3	KA31U Ground Lug
1	KA29U Ground Lug
35'	#8 AWG RW90 Green Stranded Wire
1	3/8" x 2" Hexbolt, Stainless Steel
1	3/8" x 1 3/4" Hexbolt, Stainless Steel
2	3/8" Nylon Locknut, Stainless Steel
4	3/8" Flat Washer, Stainless Steel



Grounding Kit - ANS-GND3-001

Qty	Item
3	3/4" x 10' Copper Clad Ground Rod
3	15' x 2/0 Stranded Bare Copper Wire
3	GRC3426 Ground Clamp
3	KA31U Ground Lug



Rebar Cage Kit - ANS-RC10-001

Qty	Item
5	Rebar 10 mm Ring, pre-formed
10	Rebar 15 mm x 6 1/2' lengths
1	Spool 14 gauge Tie Wire

Parts as received :



Rebar Cage
(once assembled;
does not ship assembled) :



Qty	Item
1	Dual Red LED Obstruction Light
1	33' Teck cable 12/2
1	Aluminum Gang Box w/ Cover and Gasket
1	1" x 3" Nipple
1	1" Coupler
1	1"- 1/2" Reducing Bushing
1	1/2" Teck Connector
3	Maretttes



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Anti-Climb Kit - ANS-AC3-001

Qty	Item
3	Anti-Climb Panel
55	#8 x 1/2" Self-Tapping Screw, Stainless Steel