

TMT SERIES ~ Truck-Mounted Tower System

- » Customized 2x4 or 4x4 HD Truck with Integrated Tower System; 19,500lb (8,843kg) to 33,000lb (14,966kg) GVWR
- » ITS Custom Truck Bed with Heavy-duty Outrigger Stabilization; Automatic Transmission, HD Suspension
- » ±120' (37m), ±106' (33m), ±89' (27m), ±72' (22m) & ±55' (17m) Self-Supporting & Guy Capable Tower Elevations
- » Fully Automatic, Direct Drive Tower Operating System; No Belts, No Chains, No Guy Wires Required
- » ±500lb (227kg) to ±650lb (295kg) Standard & Upgraded Tower Load Capacity; 120-220VAC/60-50Hz Configurations
- » Greatest Self-Supporting and Guyed Antenna Load Capacity of Any Comparable Tower System
- » Power Generation, Antenna and Satellite Platforms; Custom Equipment Cabinets and more



Model Series Summary:

The **TMT Series** designates a 19,500lb (8,843kg) capacity GVWR ~ Ford F550 or equivalent ~ to 33,000 lb (14,966kg) capacity GVWR ~ Ford F750 or equivalent ~ or larger truck and integrated tower system designed to transport and support at site a truck bed payload of up to ±6,000lbs (2,721kg) of ITS and/or customer-supplied equipment. A multi-section ~ 21'0" (6.4m) or 25'0" (7.6m) each, lattice steel telescopic structure is designed to transport horizontally over the truck's cab and automatically tilt by means of a heavy-duty, chrome plated hydraulic cylinder. The tower system is raised to its full extension utilizing a direct drive, minimum 1HP, totally enclosed fan cooled (TEFC), wash-down rated electric winch motor and gearbox assembly. This Truck-mounted Tower System is capable of being deployed, elevated to its full-extended height, and secured by a mechanical tower lock mechanism by one person in under 30 minutes.

TMT Series Truck: (Representative Configuration)

- 19,500lb (8,843kg) to 33,000 (14,966kg) Capacity GVWR
- Typical 6.7L Cummins® Turbo Diesel Engine; to 230" WB
- Typical 305 HP; Allison 6-Speed Automatic Transmission
- To ±6,000lb (2,721kg) Truck Bed Payload Capacity
- XLT Trim Package; Air or Hydraulic Brake System
- Displacement – 408ci/6700cm; Bore 4.02"/Stroke 5.37"
- Grounding Lugs; Lashing Rings; Wheel Chocks/DOT Cones
- Compression Ratio 17.2:1; Final Drive Ratio – 4.10:1
- To ±65-Gallon Standard Fuel Tank Capacity; Heavy-Duty Springs
- ±12'0" (3.66m) Height; ±8'0" (2.44m) Width to ±33'0" (10m) Length
- 12,000lb (5,442kg) Static Capacity Landing Gear and Outrigger Jacks
- Four (4) Heavy-Duty Retractable and Locking Stabilizing Outriggers
- Spare – 22.5x8.25 Powder Coated Steel Disc Wheels; 11R22.5G Tires
- Locking Storage Box, Jack Transport Mount, Sand/Marsh Jack Shoes
- DOT Safety Decals; Reflectors; Multiple Perimeter Bubble Levels
- Black Painted Structure w/ Impact/Weather Resistant Polyuria Coating

Standard ITS "B" Series Tower: Elevations ~ ±120'0" (37m), ±106'0" (33m), 89'0" (27m), 72'0" (22m) & 55'0" (17m)

- Self-Supporting and Guy Capable Steel Tower Structures
- ±500lb (227kg) - 650lb (295kg) Lift and Tilt Capacity
- Multiple Limit Switch Controls: Erection & Retraction
- From (3) to (6) 21' (6.4m) or 25' (7.6m) Tower Sections
- ¼" (6.35mm) & 5/16" (7.95mm) Aircraft Quality Cables
- Electronic Safety & Motor Protection Features
- Solid State Control Circuitry; Locking NEMA Enclosure
- Min. 1HP Motor/Gearbox Assembly; All Weather Rated
- Hydraulic Tilt Assembly with Integrated Safety Features
- Heavy-Duty Galvanized Tower Base Support Structure
- Direct Drive Telescopic Winch/Motor Assembly ~ No Belts/Chains
- Two (2) to Five (5) Coax/Cable Rings; Min. 15'0" (4.6m) Power Cable
- Positive Pull Down and Redundant Tower Cabling Systems
- 120VAC/60Hz and 220VAC/60-50Hz Power Configurations Offered
- Mechanical Tower Locking Mechanism; Tower Transport Locks
- Optional 3-Arm "T"-Bar Style 120° Antenna Mount Assembly
- Optional Multi-level/3-point Guy Cable and Ground Anchor Kit
- Optional Lightning Protection and Grounding Packages
- Optional Aviation Obstruction Light with UV Protected Cord
- Optional Stainless Steel Cables; Enhanced Corrosion Resistance