



TAYDER ALUMINIUM MAST TRAILER TOWERS

TAYDER Aluminum trailer mast towers are lightweight and portable structures commonly used for various applications such as telecommunications, lighting, surveillance, and event management. Here's some key information about them:

1. **Material:** Aluminum is the primary material used in these towers due to its lightweight yet sturdy nature. Aluminum offers corrosion resistance, which is essential for outdoor applications where the tower might be exposed to harsh weather conditions.
2. **Portability:** One of the main advantages of aluminum trailer mast towers is their portability. They are often mounted on trailers, allowing for easy transportation from one location to another. This makes them ideal for temporary installations or emergency situations where quick deployment is necessary.
3. **Height:** The height of aluminum trailer mast towers can vary depending on the specific application and requirements. They can range from a few meters to over 30 meters tall. Some models may feature telescopic sections that allow for height adjustment.
4. **Assembly:** These towers typically feature a modular design, allowing for easy assembly and disassembly. This modular construction also facilitates transportation and storage.
5. **Stability:** Despite their lightweight construction, aluminum trailer mast towers are designed to be stable and withstand wind loads. They often feature guy wires or stabilizing legs to provide additional support and stability.
6. **Versatility:** Aluminum trailer mast towers are versatile structures that can accommodate various accessories and equipment, such as antennas, cameras, lights, and sensors. This versatility makes them suitable for a wide range of applications across different industries.
7. **Cost-effectiveness:** Compared to traditional steel towers, aluminum trailer mast towers can be more cost-effective, especially for temporary or portable installations. Their lightweight construction reduces transportation costs, and they require minimal maintenance over their lifespan.

8. **Applications:** These towers are used in numerous applications, including:

- **Telecommunications:** They can support antennas for wireless communication systems such as cellular networks, Wi-Fi, and radio.
- **Surveillance and Security:** They can be equipped with cameras and sensors for surveillance and security purposes in areas such as construction sites, events, and remote locations.
- **Lighting:** Aluminum mast towers can support lighting systems for outdoor events, construction sites, and emergency situations.
- **Military and Emergency Services:** They are used by military, emergency services, and disaster relief organizations for communications, surveillance, and lighting in remote or temporary locations.

When considering an aluminum trailer mast tower, it's essential to evaluate factors such as height requirements, payload capacity, environmental conditions, and regulatory compliance to ensure the tower meets the specific needs of the intended application.

MOBILE TOWER SPECIFICATIONS

Tower	TAYDER	24M	TECHNICAL DIMENTIONS		
Fully Deployed Height		24 m			
Minimum Deployed Height		7 m			
Tower Sections		5	1	TOTAL WEIGHT	2550 KG
Maximum Payload		250 kg	2	TRAILER WIDTH	2025 MM
Main Winch Cable Diameter		10 mm	3	MAX TRAILER WIDTH (WITH OUTRIGGERS)	2495 MM
Main Winch Cables Per System		2	4	PRODUCT HEIGHT (CLOSED POSITION FROM THE GROUND)	2300 MM
Tower Section Cable Diameter		10 mm	5	AXLE HEIGHT (FROM THE GROUND)	290 MM
Cables Per Tower Section		3	6	TRAILER LENGTH	5520 MM
Main Winch Motor (hp)		Hyd-Elec	7	TOTAL PRODUCT LENGTH	8240 MM
Tilt Winch Motor (hp)		Hyd-Elec			
Main Winch Motor Cover		Y			
Tilt System		Y			
Drum Safety Lock		N/A			
Winch Torque		N/A			
Sheave Type		Roller Bearing			
Sheave Material		Nylatron GSM			
Removable Tower Section Guides		Y			
3-Sector Antenna Mount		N			
Control Panel		Y			
Tower Material		Aluminium Alloy			

Product Details:

The triangle tower will be from 5 sections. The material of the tower is high quality aluminium alloy. Tilt system will operated by hydraulic lifts. Main winch system will be hydraulic. For these all hydraulic equipments will have hydraulic brakes. The winch system will have 10mm steel ropes. Power supply will be from the gasoline engine. There will be all equipments inside of hydraulic system. Hydraulic tank, hoses, locks etc. Trailer outrigger's will be manuel, the wheels of trailer are suitable for military applications. Fixing ropes and electronic system are included.

PICTURES:



