



## Heavy Duty Ground Anchor System Party Marquee Tent 1.2m Galvanized Stake Concrete Ballast European Wind Safety Canopy Structure

Our Product Introduction

### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: CE Wind Load Tested, ISO 9001, EN 1991-1-4 Compliant
- Model Number: TDT-ANCHOR-HD
- Minimum Order Quantity: 25 Square Meters
- Price: USD 35-65 per Square Meter includes anchor system
- Packaging Details: Ground stakes bundled in steel banded pack; concrete ballast forms shipped separately or sourced locally per installation guide
- Delivery Time: 10-18 working days
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 50000 Square Meters per Month



### Product Specification

- Ground Stake: 1.2m Galvanized Steel 32mm Diameter
- Ballast Weight: 1 Ton Concrete Per Anchor Point
- Anchor Points: 4 Per Column Heavy Duty Configuration
- Surface Compatibility: Soft Ground Hard Surface Asphalt Concrete
- Pull-Out Force: 15kN Minimum In Medium Soil
- Frame Material: Hard Pressed Extruded Aluminum Alloy 6061 T6
- Highlight: **Heavy Duty Marquee Tent Ground Anchor , Galvanized Tent Stake Wind Safety , European Windproof Canopy Concrete Ballast**

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## Product Description

### Heavy Duty Ground Anchor System for European Wind Safety

Anchoring is the most critical safety element of any marquee installation. Our heavy duty ground anchor system combines 1.2m galvanized steel ground stakes with 1-ton concrete ballast weights, providing redundant anchoring for European installations on any surface.

#### Anchor System Performance by Surface Type

Surface Type	Primary Anchor Method	Holding Force	Typical European Use
Soft Ground Grass Soil	1.2m galvanized stake driven full depth	15kN pull-out force	Concerts festivals outdoor
Gravel Hardcore	1.2m stake with vibration driving	12kN pull-out force	Construction site temporary
Asphalt Parking	1-ton concrete ballast weight	Adequate for 100km/h wind	Trade fair outdoor space
Concrete Plaza	1-ton ballast with rubber mat	Surface protection barrier	City square market event
Mixed Surface	Combined stake and ballast	Maximum redundancy	Uneven uncertain ground

#### Key European Market Features

Dual anchoring redundancy: stakes where possible plus ballast for safety margin

1.2m length reaches below frost line in Northern European climates

Concrete ballast forms with forklift pockets for easy positioning

Rubber mat under ballast protects historic European square surfaces

Wind load calculation included with order for local authority submission

#### Frequently Asked Questions

**Q: How many anchor points per tent?**

A: Standard configuration: 2 per corner column, 2 per intermediate column = 8 anchor points for a 10x10m tent. Heavy duty configuration doubles to 4 per corner for 100km/h wind rating.

**Q: Can I use local concrete instead of shipping ballast weights?**

A: Yes. We provide a ballast form specification and you can cast concrete weights locally to save shipping cost. Many European customers prefer this option.

**Q: How deep do the stakes need to go?**

A: 1.2m depth reaches below typical European frost line (0.6-1.0m) preventing frost heave dislodgement. Always check local underground utilities before driving stakes.



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