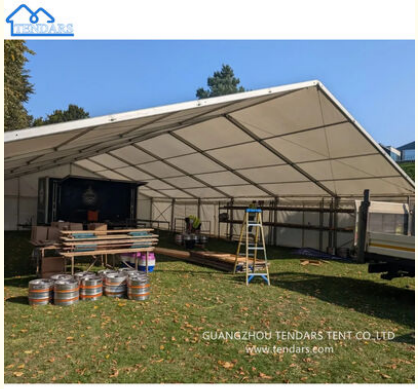


Mega Clear Span Large Event Shelter Marquee Tent Aluminum Structure For Relief Logistics

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: ISO9001, SGS, COC, CE
- Model Number: TDS-MG40X100
- Minimum Order Quantity: 600 square meters
- Price: USD 58-82 / Square Meter
- Packaging Details: Mega beams on steel saddles in open top containers, fabric in 5m bay bags with lifting harnesses, foundation templates crated per column line
- Delivery Time: 25 days production after deposit and drawing approval. Sea freight time depends on your destination port. Installation time varies with the project and site access.
- Payment Terms: T/T 30% deposit, 60% before loading, 10% after structural sign off; L/C at sight
- Supply Ability: 20000 Square Meters per Month for spans above 30m



Product Specification

- Span Width: 40m
- Length: 100m (20 Bays Of 5m)
- Eave Height: 6m
- Ridge Height: 10.5m
- Floor Area: 4000 Square Meters
- Area Per Guest: 1.2 To 2 Sqm, 2000 To 3300 People
- Main Frame: 300 X 120 X 5mm Fabricated Aluminium 6061/T6
- Base Plate: 350 X 350mm Hot Dip Galvanised Steel
- Foundation: Concrete Pads 600 X 600 X 800mm At Each Column, M24 Anchors
- Roof Fabric: 900gsm PVC, DIN 4102 B1, Hot Air Welded Seams
- Wind Load: 0.6 KN/sqm With Certified Foundation
- Frame Life Span: 20+ Years
- Production Time: 25 Days



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Product Description

40m x 100m mega clear span structure

Some jobs cannot be split. A relief centre needs one hall so a truck can turn inside. An arena needs 40m clear so the surface fits with runoff.

Details

4000 sqm, 6m to the eave, 10.5m at the ridge, twenty bays, no internal column. The beam is a 300 x 120 x 5mm fabricated section in 6061/T6 - fabricated, not extruded, because no standard extrusion runs this deep with the wall thickness the span needs.

Area guide: 1.2 to 2 sqm per guest, so 2000 to 3300 people, or bulk storage and vehicle circulation instead.

This is not a stretched 30m. The foundations are a design, not a bag of stakes, and the anchor plan comes from the calculation rather than the catalogue.

Size range and options

Span: 40m. This is the top of our workshop range.

Length: 100m, any multiple of 5m. 200m in two phases is common for relief use.

Eave: 6m. 8m for hangar and aviation work.

Openings: 12m or 16m gable opening with a truss beam. The full 40m face cannot open - the wall is part of the load path.

Extras: gable door frames, personnel doors, gutters and downpipes, lighting grid, foundation templates.

Main components

Frame. 300 x 120 x 5mm fabricated aluminium 6061/T6 beam sets, 20 of them, each about 1.9 tonnes. Hot dip galvanised connectors, 350 x 350mm base plates on cast in anchors.

Covers. 900gsm PVC roof, hot air welded seams, flame retardant to DIN 4102 B1, 650gsm walls. Roof panels are pulled over in sections, never laid out flat in wind.

Foundation. 80 concrete pads, 600 x 600 x 800mm, M24 anchors cast in. Roughly 90 cubic metres of concrete and a week of groundwork before our crew arrives.

Specification

Item	Specification
Clear span / length	40m / 100m, 20 bays of 5m
Eave / ridge	6.0m / 10.5m
Frame	300 x 120 x 5mm fabricated aluminium 6061/T6
Foundations	80 concrete pads 600 x 600 x 800mm, M24 anchors
Drainage	250mm gutter, 160mm downpipe every bay
Wind load	0.6 kN/sqm, certified to site
Frame life	20+ years

Before we quote, four questions

Site location, ground condition, basic wind speed, and use with occupancy. From those we return beam and column utilisation, foundation reactions and an anchor layout. Coastal or snow sites change the section and the price - better now than after a storm. On sand or made ground we ask for a plate load test: 15mm of settlement at one corner cracks gutters and pulls seams.

Production and installation

25 days production after deposit and structural approval, plus freight. Two 25 tonne cranes on lift days, 16 workers, 12 to 16 days. *Installation is quoted separately: labour, air tickets, visa, food and accommodation are paid by the buyer. Send us the site address and we confirm crew size, days and cost.*

FAQ

Can the whole gable open? No. 12m or 16m with a truss beam over it is standard. Beyond that the structure needs a different design.

Can it go on ballast? At this span, no. Ballast becomes a 300 tonne delivery and the settlement is unpredictable. Concrete pads are the honest answer.

How many containers? About 168 cubic metres and 62 tonnes - five 40HQ plus two 40OT for the beam sets.

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