



PROFESSIONAL SERIES **ULTRA HD**

by

instant
marquees
The Branding Company

Designed & manufactured in the UK to set new standards for gazebos for ease of use, strength, durability and light weight

OVERVIEW

The latest and by some margin the best pop-up stall frame offered by Instant Marquees, the **PROFESSIONAL SERIES ULTRA HD** embodies everything the Instant Marquees has learned in nearly 20 years of building durable market stalls.

The **ULTRA HD** has all the desirable design features that make it very strong & durable, but at the same time we have put a lot of effort in to making it as light and easy to use as possible. It features the largest section of square tube available on any pop up gazebo available in the UK today, as well as all the following features which we are confident will make it the most durable pop-up market stall on the UK market today.

SUMMARY OF THE FOLLOWING FEATURES AND BENEFITS:

- **Almost certainly the most durable and easiest to use frame on the market today**
- **51x51mm square tubes** for the upper legs, 42mm square tubes for the lower legs. An aeronautical design engineer has calculated that these legs are 30% stronger in bending than the 50mm hex or 42mm square tubes.
- **Extruded aluminium brackets** - strong, light, corrosion-free & guaranteed for the life of the stall
- **Custom-made forged stainless pull-pins in a custom aluminium housing** for quick, easy & reliable rigging, with unique custom-made lockable levers to speed up the rigging process. The brass button that protrudes in to the tube is 12mm diameter, so it will not damage the leg tube unlike other offerings we have seen where the button is just 8mm
- **6mm thick aluminium foot-plates**, available (optionally) with laser cut keyholes for our ground anchor system. Foot-plates are welded to the upstand, which in turn fastened to legs by 4 high tensile rivets not the more usual expanding pins that are known to fail in heavy use.
- **Unique 40x20x2mm oval scissor tube profile** which has proven over the past 20 years to cause less damage to the canopy when folded. The new for 2021 extrusion section New custom oval end caps which act as a bearing for the bolts to prevent tube wear.
- **Unique male/female bolt system** with profiled button head bolts to avoid causing canopy damaged when folded
- **Neoprene jackets** on all upper joints to prevent canopy damage when folded - Instant Marquees is the only UK company to offer these as standard on the market stalls of it manufactures, and they have proven to extend canopy life by up to 4 years by preventing abrasion between the frame and the canopy material both in use and when folded.
- **Unique profiled rubber bungs** at the top of each leg to spread the canopy load effectively at this high stress point
- **Unbreakable rubber king-post top** - when the plastic ones break they can damage the canopy
- **Rigging Instructions & a basic ratchet-strap guying set** supplied with each unit
- **Spare parts** are available for each frame component & can usually be delivered overnight if required

Details of these features can be seen in the photos in the following pages

The devil is in the detail



1) Extruded aluminium scissor brackets

For strength & low weight, Instant Marquees has had a special scissor bracket extrusion made with the correct offset to accommodate the scissor tube. The brackets are rumbled

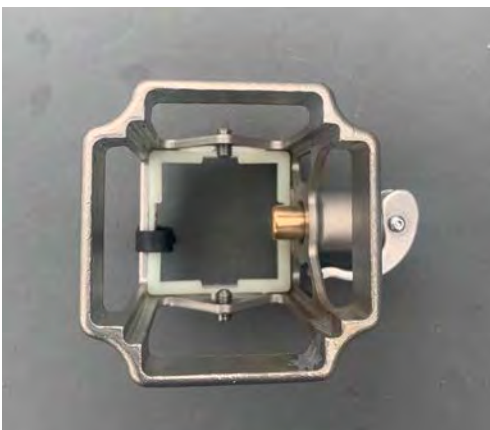
2) For 2021 we have introduced a new scissor tube profile which has the same industry-leading dimensions as before (40x20mm) but with more aluminium where it's needed - for the bolt holes - and less where it is not needed to keep the weight down. This means greater resistance to wear hence lower maintenance costs. Furthermore, the oval section means that the scissor tubes do not act - literally - as scissors on the canopy when the tent is folded for transport, which in turn translates into longer canopy life.



3) Forged stainless steel leg brackets with unique lockable over-center lever.

In the place of the simple pull-ring that everyone else uses, we have had a custom forged stainless lever made that can lock in the full open position, which makes rigging quicker & easier, especially when rigging solo. The forged turret is also far stronger than the plastic housings supplied on a typical tent from China.

The forging also features "staples" on all four sides. These can be used for half-height stability bars which greatly improve the stall performance in windy conditions, especially on hard ground with weights. Our custom counters also drop in to these brackets; finally a short tent joiner drops in to the outside staple when the stalls are rigged in rows.



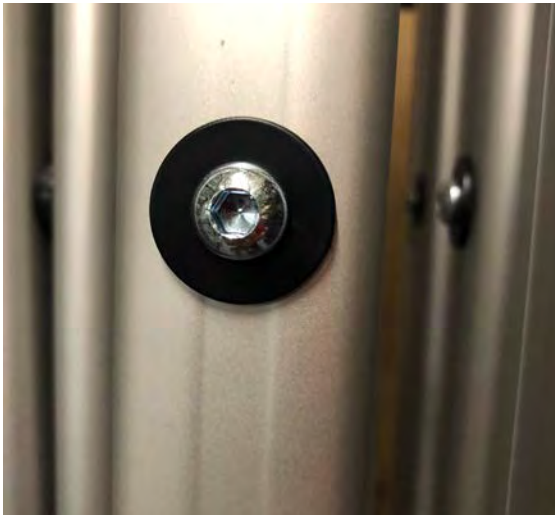
4) The leg slider brackets also feature the same over-centre lever with carefully toleranced plastic inserts for super-smooth running of legs, whilst at the same time removing the wobble that is common in cheaper units.



5) New Scissor Tube End Cap system

For 2021 we have had a special end cap made for the scissor tubes. The bung is held captive by the bolt so cannot fall out, and is strong enough it to maintain the tube shape under duress. The cap also acts as a bearing for the bolts, which once again will reduce maintenance costs over time.

The devil is in the detail



6) New Plated Steel Male/female bolt system

To remove the danger of snagging the canopy when the stall is folded, the ULTRA HD features custom-made low profile button head male & female bolts, with built-in friction material to prevent them working loose.

The bolt have been manufactured to exactly the correct tolerance to prevent pinching the scissor tubes when tightened, which means that the frames will be easy to rig from day one.



7) Welded Aluminium Footplate

The 100x100x6mm footplate is secured to the leg tube by 4 high tensile rivets, in place of the roll pin system featured on most Chinese pop ups. The 100x100x6mm aluminium footplate is welded to the upstand. This produces a far stronger and more reliable joint on the component that takes all the load whether the stall is weighted or secured by ground anchors. This system has been in place since 2014 and there have been ***no reported failures*** during this time. The footplate has a 20mm hole to fit a serious peg when used on soft ground. This footplate design is also available optionally with a special laser-cut “keyhole” to accommodate the ground anchor system.



8) Neoprene Jackets on all upper frame joints

PVC or Polyester canopies do not mix well with metal brackets, especially when the stalls are folded or transported. All the upper joints on Instant Marquees frames have neoprene jackets fitted as standard. These have proven to protect the canopies from wear & tear in heavy use ever since we first introduced them back in 2005. They can add literally years to the life of the canopy, which means a huge saving in maintenance costs over the life of the frame.



9) Profiled Rubber Leg Bungs

This is an important feature that is unique to Instant Marquees UK made frames. The top of the legs is a high stress point for the canopy, so here is another feature to protect the canopy. The rounded profile spreads the load at this critical point when in use, and it stops the legs wearing the canopy when transported/stored.

CANOPIES

PVC or POLYESTER?

The majority of canopies and walls offered on gazebos are polyester, and if supplied from China usually PVC backed which not only makes them unnecessarily heavy but also prone to mildew when moisture gets trapped between the material and the proofing (we have had first-hand experience of this). Furthermore, on frames that are not protected by neoprene jackets, polyester canopies are typically covered with small abrasion holes within one year of heavy use. This does not occur on the Korean supplied cloth that is used by Instant Marquees, but nevertheless we recommend that overall PVC - especially the much more expensive EEC supplied PVC that we use - is more suitable for canopies that are to be used in markets. They have proven to last around twice as long as polyester canopies.

However, this is not the case with many of the PVC canopies coming out of China which are very prone to tearing, thanks to substrate is virtually non-existent (we also have had first-hand experience of this). From what we have seen we doubt they would pass the UK Fire Certificate.

Polyester: lighter, sits better on the frame, better for printing, less expensive

PVC: much more durable by a factor of at least 2, easier to clean, welded seams so totally waterproof

UK MADE PVC CANOPIES

The PVC canopies produced by Instant Marquees in the UK have the following features:

- High-frequency or heat welded - not stitched - on the main seams for guaranteed water-proofing and better durability
- Are manufactured using the best quality EEC sourced PVC - Dicksons/St Clair
- Treated against mould & other fungal growth
- Treated against UV degradation
- A proven record of durability in market use since 2006
- Considerably stronger substrate than any cloth imported from the Far East.
- A European & UK Fire Certificate
- Is 500/550gsm for easier folding, rigging & operating etc.
- The strongest substrate on the market (technical sheet available if required)

WALL SYSTEMS

PVC or POLYESTER?

Although there is a very strong argument for PVC canopies on pop-up market stalls, that is not necessarily the case with wall systems. Some markets are finding the weight & cost difference swings the balance back in favour of polyester. When you have to store, transport and rig say, 200 x 3m walls every market, weight makes a big difference. On top of that, the Velcro that fastens the walls to the canopies does not last as long where heavier walls are used, and as with canopies, polyester is the material of choice for printing.

TYPE 3 or MARKET WALLS?

See the Type 3 wall brochure for full details of why the Type 3 wall is the neatest, most reliable and easiest to use wall on the market today.

The “Market Wall” is a much simpler proposition that is designed to be economical to make, as well as to function simply and reliably in a market environment. As such it offers considerable savings over the Type 3 system

WINDOWS, DOORS & OTHER SPECIAL FEATURES.

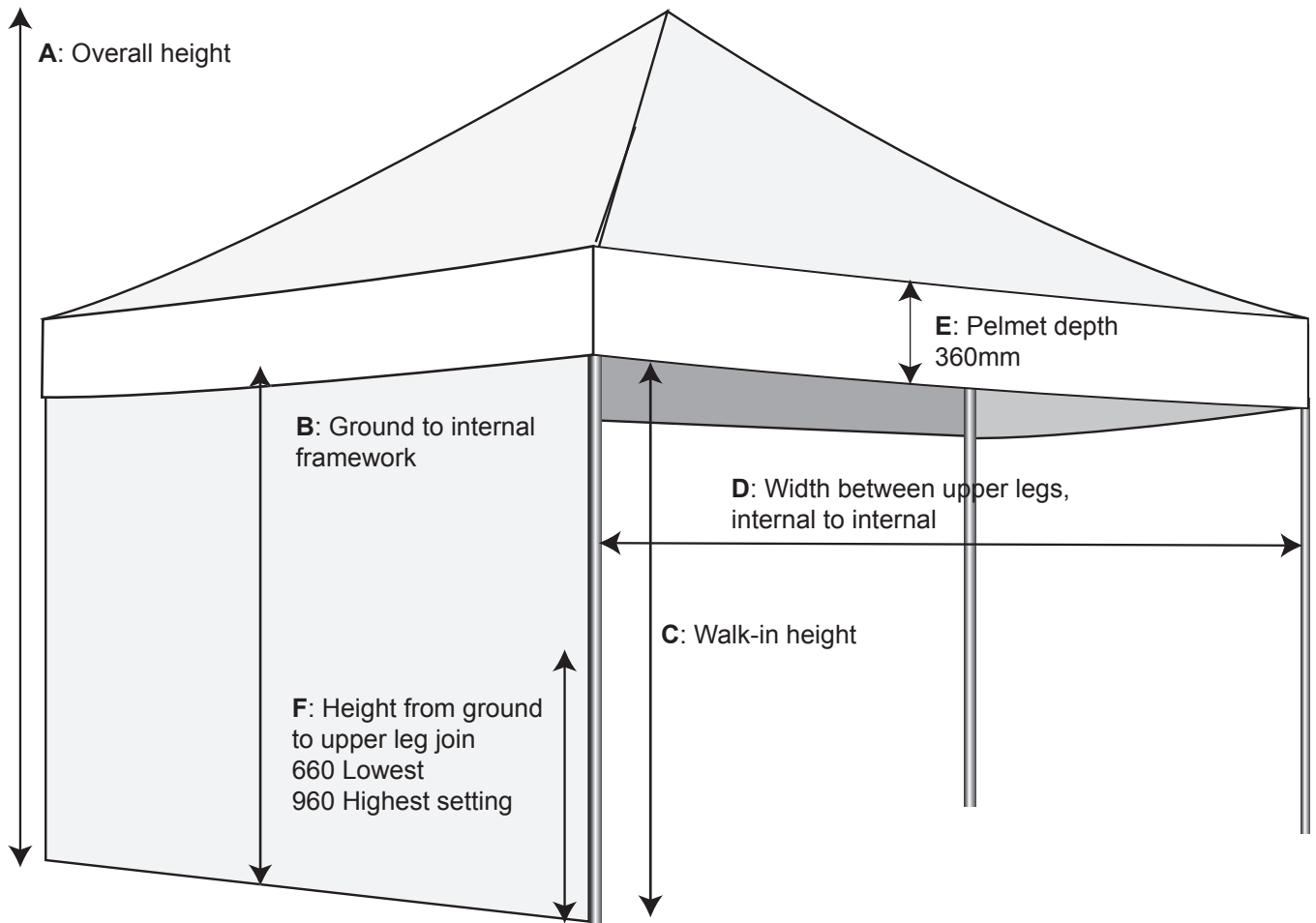
We offer small and large windows, zip doors using both single and double zips where required. Walls can be specially made to individual requirements.

The picture below features a full size window on a Type 3 wall, with a drop-in stability bar. These walls are normally specified where there are shops behind the stalls.



| MATERIAL SPECIFICATIONS | | | |
|-------------------------|--|-----------|--|
| Upper Leg | 51x51mm square | All Tubes | Aluminium 6061 |
| Lower Leg | 42x42mm square | Finish | Anodised matt Silver |
| Scissor Tube | 40x20mm oval | Polyester | 500D |
| Bolt system | Male/female 8mm | PVC | Dicksons 500gsm |
| Footplate | 100x100x6mm aluminium plate welded to collar riveted to leg tube | Brackets | All extruded aluminium or welded aluminium |

DIMENSIONS & WEIGHTS



| Tent size | Frame weight kgs | A: height overall m | B: ground to frame m | C: walk-in height m | D: distance between legs | E: pelmet depth cms | F: boxed size cms |
|-----------|------------------|---------------------|----------------------|---------------------|--------------------------|---------------------|-------------------|
| 2x2m | 24 | 2.9-3.3 | 2.215 | 2.14 | 1.91 | 36 | 164x30x30 |
| 3x2m | 29 | 2.9-3.3 | 2.215 | 2.14 | 2.91 | 36 | 164x40x30 |
| 4x2m | 35 | 2.9-3.3 | 2.215 | 2.14 | 3.85 | 36 | 164x50x30 |
| 3x3m | 29 | 3.3-3.6 | 2.215 | 2.14 | 2.91 | 36 | 164x35x35 |
| 4.5x3m | 44 | 3.3-3.6 | 2.215 | 2.14 | 4.41 | 36 | 164x45x35 |
| 6x3m | 55 | 3.3-3.6 | 2.215 | 2.14 | 2.91 | 36 | 164x60x35 |
| 6x6m | 110 | 3.7-4.0 | 2.215 | 2.14 | 2.91 | 36 | 164x60x60 |
| 4x4m | 42 | 3.4-3.7 | 2.215 | 2.14 | 3.91 | 36 | 164x50x50 |

PROFESSIONAL SERIES
ULTRA HD

SUMMARY

The ULTRA HD series is designed & made in the UK for heavy duty commercial and market use. Throughout the design phase, attention was paid to any area of weakness in our previous series of pop ups, both in terms of durability and ease of use. Only the finest materials are used throughout, and there are many features that are not available on cheaper tents. Over its life span we are confident that it will offer better value for money than any of the cheaper stalls on the market.

The Ultra HD series is designed to work...

CONTACT

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