



Pro Banner Saver, Banner & Tamtorque Specs

Wind Releasing Banner Bracket System

Lampost Banners.com

Leading the way in lamppost banner advertising

Pro Banner Saver

Introduction

Pro Banner Saver brackets is a retrofit bracket system for light pole, flagpole and wall bracket which utilizes a spring tension system to keep banners in place during normal conditions and allows them to bend as wind speed increases. They are designed to increase banner life and to reduce damage to expensive infrastructure.

- **Reduce Inventory** - 1 size fits all banners up to 30sq.ft.*
- retrofits to street lighting columns, flagpoles & walls
- wind releasing banner bracket
- reduce wind loading up to **88%**
- complies with EN40 regulations
- increases banner life **100%**

Eliminates issues:

- repairing /replacing expensive infrastructure
- labor costs
- reprint costs
- safety issues
- damage to pedestrians & cars

* In windy areas we recommend a max size of 20sq.ft.



Wind Test Results

Overview

Lamppost banner saver brackets were developed for reducing wind loading on lamppost caused by the installation of banners.

Testing carried on a single lamppost column with:

2 Banners - 76cms x 203cms (3.08sq.m.)
2 sets of Lamppost Banner Saver Brackets
Fixings

Test Specification:

Test carried out in an independent Wind Tunnel We used pot sensors and the distance travelled by them to determine the results.

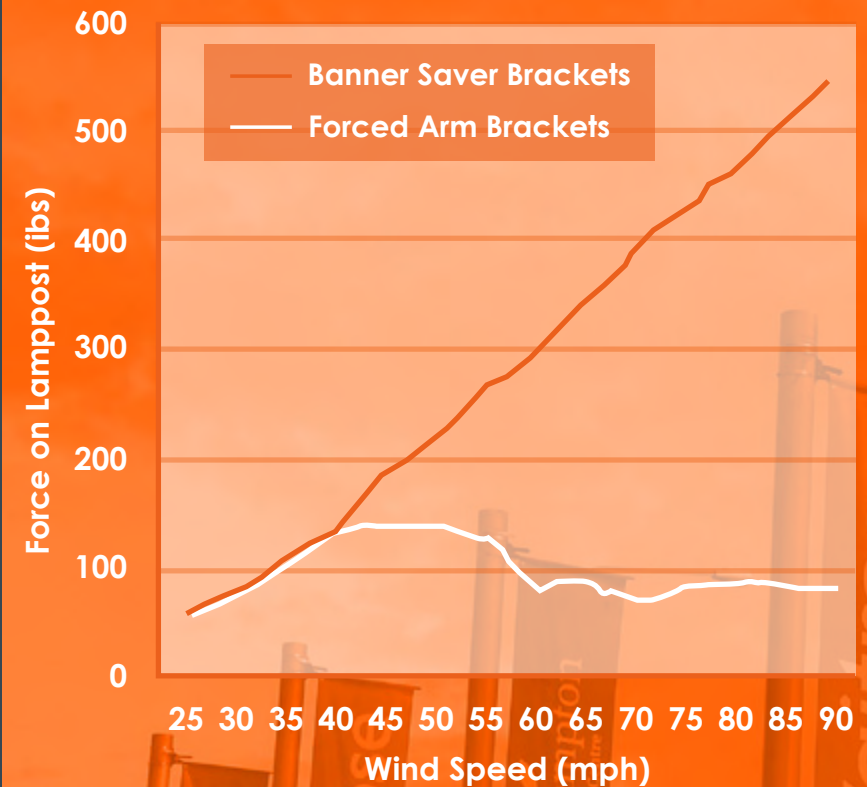
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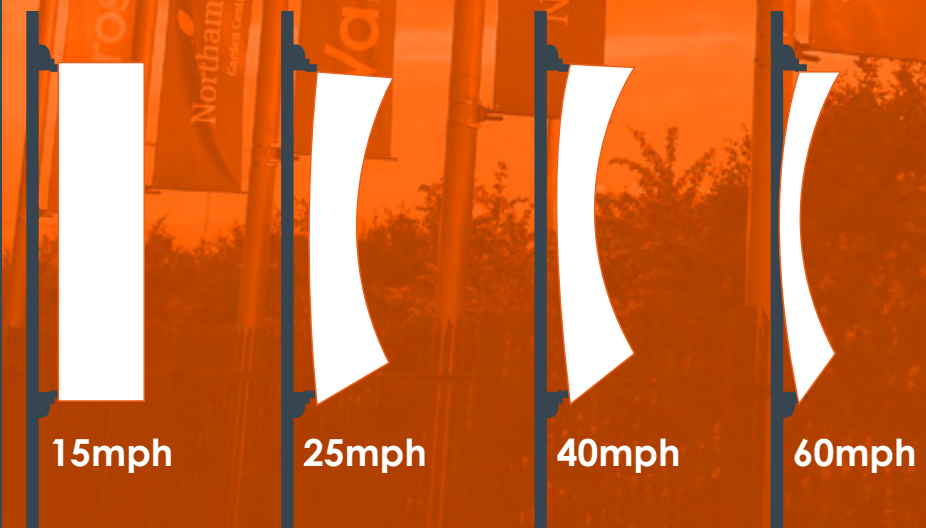
Reduction in Loading Area **87.98%**

In our tests this equals to 0.4 sq.m. wind loading for 2off banners on 1 lamppost (single banner installations needed to be adjusted down accordingly)

Wind loading Graph



Bracket Reaction in different wind speeds



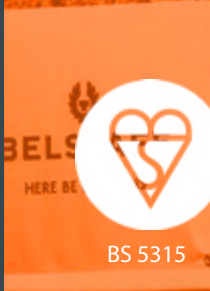
Tamtorque Specs

- Tamper resistant / Proof
- Auto locking safety buckle
- 5 year warranty
- Reusable up to 10 times

TAMTORQUE SIGN FIXING CLAMPS have been designed for clamping signs of all types to round, square, hexagon or any unusual shaped post, giving a quick and reliable and tamper resistance fix every time. They are available in seven diameters covering post sizes from 55mm to 340mm diameter without the need to cut the band to size. They do not therefore have sharp edges which can snag or cut and, unlike other banding systems, can be easily re-used or readjusted.

TAMTORQUE SIGN FIXING CLAMPS are manufactured from high strength stainless steel and have a hardened tamper resistant screw with a unique recessed seven-sided socket. This means that they can only be tightened or released with a special Tamtorque screw bit.

An auto locking safety buckle ensures the free end of the band is both safe and tidy. The unique safety buckle was developed especially for **TAMTORQUE** and is covered by patents in many countries. European Patent No 0891508. US Patent No 6205624. Other patents are pending. Typical applications for the **TAMTORQUE SIGN BANDING SYSTEM** include securing waste bins and litter bins, street lamp and signal control box security and clamping road, public, industrial and advertising signs



Banner Specs

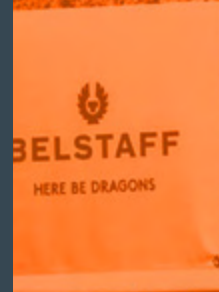
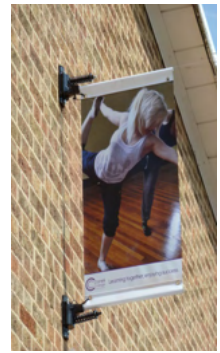
- Double Sided Banner
- 2m x 0.8m or 1.22m x 0.61m
- Reinforced Mesh
- 550gsm material

BANNER MATERIAL SPECS

- 550gsm Reinforced Bannergrade Vinyl for increased reliability
- Tear Strength 130 / 180 (WARP / WEFT) N
- Tensile Strength 2000/2500 N/50mm
- Withstand weather conditions from -20c to +70c

BANNER MATERIAL SPECS

- Max Banner size 1.6 sq.m.(when used with Bannersaver brackets, wind loading reduced to 0.24sq.m.)
- Photo Quality Print on a double sided banner without ghosting
- 65mm Loop with 50mm Welds & single stitched
- Eyeleted over the fold line for extra strength
- Printed with UV resistant ink to prevent fading





Installation Guide

The Pro Banner Saver brackets are easy to install, move and adjust. These step by step instructions will guide any installer on how to install the perfect light pole banner.

We recommend a Top Down approach when installing the brackets and recommend you install the banner at the same time. This is to avoid any readjustments which may be required due to improper measurements.

What you will need:

- Pro Banner Saver Brackets (2 per banner)
- Banding (3 per bracket)
- Zip Ties / Cable Ties (2 per banner)
- Lift Truck / Ladder
- Cordless Screw Driver & correct drill bit
- Tin Snips & Plastic Snips
- Bungee Cord (size depends on pole size)
- Neoprene Protective Sheet (if needed)

Installing the Top Bracket

Measure the height for the top bracket and position the bracket.

1. Wrap a bungee cord through the centre and clasp so bracket stays in position

2. Install the 3 bands – 2 on top & 1 bottom & Snip of the excess bands (only snip bands if it is a permanent install)

Remember—top bracket, spring on top!

Install Banner

4. Fiberglass pole needs to be at least 4" longer than the banner width

5. Insert pole through banner pocket and insert end with the metal sleeve into the mouth of the bracket

6. Twist the fiberglass pole to align the holes in the pole to the one on the side of the mouth on the bracket

7. Insert Pin through side of the mouth and fiberglass arm and secure it.

8. Finish with zip tie through grommet and the loop on the safety pin

9. Clip the excess of the zip tie

Installing the Bottom Bracket

10. Repeat steps 5 – 7 with the bottom of the banner

11. Extended the banner fully with the bottom bracket inserted.

Remember— bottom bracket, spring an bottom!

12. Push the bracket on the pole and Install the bottom bracket using steps 2, except 2 bands go on bottom and 1 band on the top.

Make Sure

- the brackets and fiberglass poles align vertically
- the tension runs through the centre of the banner. If not then adjust the bracket up or down to achieve tension.

13. Finish with zip tie through grommet and trim ends of the zip tie.

Maintenance

The Pro Banner Saver brackets will work well for many years, increasing banner life and reducing street light pole damages, but maintenance is crucial and we recommend that you:

- Retighten the banding approx 2-4weeks after initial installation if necessary.
- Check on banding once a quarter and/or after high wind storms.
- It may be necessary to tighten or replace banding from time to time.

Banding & Other Considerations

Neoprene Sheet: When is this recommended?

Tapered Poles: Consider using Neoprene Sheet behind the brackets for all tapered pole installations. The greater the taper, the larger the thickness and recommendation.

Square Poles: Neoprene provides a better grip. Consider Neoprene sheet on square poles greater than 4" per side.

Maintenance: Banding of all types require general maintenance, and even replacement, from time to time. Standard Banding works great in most applications.



Bolting and Wall Mount Installations

The Pro Banner Saver can be installed on walls via a bolt instead of banding.

We recommend a 3/8" Bolt size for the Pro Banner Saver install.

Wall Mounts: The Pro Banner Saver will spill wind regardless of its mounting on a pole or wall. The customer is responsible for all wall mounted installations, and warranties do not apply due to the wide variation in walls.

Warranty

LamppostBanners.com provides a five-year "Return to Base" warranty on the Pro Banner Saver against product design, manufacturing and its wind-spilling capabilities as outlined earlier and assuming proper installation methods. During this warranty period, LamppostBanners.com will replace or repair the pro Banner Saver brackets. This warranty applies only to the original purchaser and is in lieu of all other warranties either expressed or implied for a period of five years from the date of purchase. LamppostBanners.com will not warrant the following: SHIPPING; customer is to bear all shipping expense to return the unit to LamppostBanners.com. LABOR & EXPENSES; associated with the removal or installation. DAMAGE; caused by misuse, neglect abuse, accidents, alterations, corrosive environments and any other abnormal service conditions. This warranty specifically does not include product damage due to weather conditions rated F-0 and higher (65mph) on the National Weather Service Fujita Scale.

Claims against the warranty must include:

- Clear pictures of installations, including proper banding.
- National Weather Service reporting based on the day of inquiry.

Pro Banner Saver customers recognize that performance related products like the Pro Banner Saver require occasional maintenance including checking for loose banding and/or the replacement of bands.

LamppostBanners.com encourages customers to remove light pole banners from poles when a known F-O or higher storm is expected.



We'd love to hear from you.

Contact us now to buy brackets or start your campaign.

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can achieve...**

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