

PLEASE READ THIS FIRST!

It is the customer's responsibility to determine to his or her own satisfaction that the light poles (or other poles) are able to withstand the increased load by the installation of one or more banners of a particular size on that pole using top and/or bottom arm BannerFlex JR Brackets. We recommend that you contact the pole manufacturer or a structural engineer to assist in the making of this determination.

For older poles, we suggest visual inspections to determine the current structural integrity of the base connection as well as other portions of the pole, including the luminary components.

If you have any questions concerning bracket installation, please contact your Sales Representative.

General Installation Guidelines

- Always verify that the traffic below the banners will not come in contact with the installed brackets. Make sure the bottom bracket is high enough.
- Square utility poles that are 5" or wider in each flat dimension will need a "Square Pole Adapter plate." Contact your Sales Representative for this accessory.
- "Fluted" poles sometimes do not allow an installation to "face" a particular direction due to the location of the flutes. We have found that slight angles away from perpendicular, for example, are not objectionable. Contact your Sales Representative for assistance.
- These instructions specifically explain banding the bracket to the poles. If bolts are used, continue to refer to these instructions for placement.

Maintenance Guidelines

- Your BannerFlex JR brackets will give you years of trouble-free service when installed and maintained properly.
- It is recommended that a new installation be visually inspected approximately 30 days after installation to ensure that banner brackets are tight and trim, and every 60 days thereafter. Also, the same inspection should take place after unusually heavy windstorms as abnormal gusts and flying debris can affect the quality of the installation.
- Brackets that are properly installed should not loosen on the poles. If this does occur, verify that the banding is proper and that the installation is tight and according to KBW instructions and Band-It tool instructions.
- Banners that "whip" and "flutter" around with bracket installed top and bottom are not installed properly. This will cause undue wear and tear on the banners and may cause the banners eventually to release from one of the brackets, which can heavily damage the banners. Avoid this problem with inspection as suggested above. Repair loosened banners immediately.
- Do not allow banners to come into contact with wires, signs, flag holders, etc. as these will wear on banners.

The KBW Banding Guideline Chart (© 2008 Consort Display Group)

This is a general guideline for the minimum banding strength necessary for single and double banner installations of various sizes for normal, non-catastrophic winds up to 80 mph. Note: The quality of each installation affects the ultimate strength. Be sure bands or bolts are properly applied and at maximum pressure.

		18" x 36"		24" x 48"		30" x 60"		30" x 72"		30" x 84"		30" x 94"		46" x 94"		30" x 120"		Maximum Single Banner Size	Maximum Total Sq Ft for 2 Banners Per Pole
		# banners	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
KBW JR	1/2" SGB	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	20" x 36"	10
	9/16" SGB	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	30" x 54"	16
	5/8" SGB	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	30" x 60"	16
	Single Wrap 3/4"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	30" x 72"	25
	Double Wrap 3/4"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	30" x 72"	30

yes - combination will work successfully in typical wind conditions (70 mph)
no - combination will not perform in typical, long-term conditions
n/a - does not apply; size combination impossible
N/R - combination will work, but is not recommended
Max Total - the maximum total sq ft banner fabric for 2 banners/pole

Banding Options

1/2", 9/16" or 5/8" Screw Gear Bands (SGB)
 Single wrap of 3/4" tool applied banding (9 poles/100' box)
 Double wrap of 3/4" tool applied banding (6 poles/100' box)

Bolting Options

Brackets may be bolted in lieu of banding.
 See chart. To determine the Max Total Sq Ft, use the 2 wraps 3/4" value.

Please Read Completely Before Beginning Installation!

Start by mounting top casting(s) first and complete all procedures, including mounting banner(s), before mounting lower casting(s) and lower part of banner(s).

Installation Instructions

- 1 Mark the utility pole at desired height.
- 2 Install top arm first. Hold the casting up to the pole so that the word "BANNER" with arrows points **DOWN**. Wrap banding around pole at both the top part of the casting and the bottom part of the casting. Position the banding so that it goes over the flat areas on the casting. **See Figure 1.**
- 3 Tighten the screw gear banding with a screwdriver. If using Band-It banding, tighten according to the instructions provided with the Band-It tool. The banding should be tightened down onto the flat areas on the casting and cover the words "BANNER" and "KBW".
- 4 Slide banner (top hem) on arm. Slide banner on grommeted side first. Completely cover the metal sleeve at base of arm so banner is very close to the pole casting.
- 5 Now you are ready to mount lower arm. Pull banner down to mark pole for location of bottom casting/arm assembly. Be sure that the word "BANNER" with arrows points **UP**. Mount bottom casting low enough to ensure that the banner will be held tight.

Repeat steps 1-5 to mount lower casting/arm to pole.

- 6 Insert the nylon cable tie or #18 gauge wire through grommet(s) in banner(s). Either put through the loop in the casting(s) or wrap around the utility pole and secure. **See Figure 2.** This must be done to secure the banners to the pole.

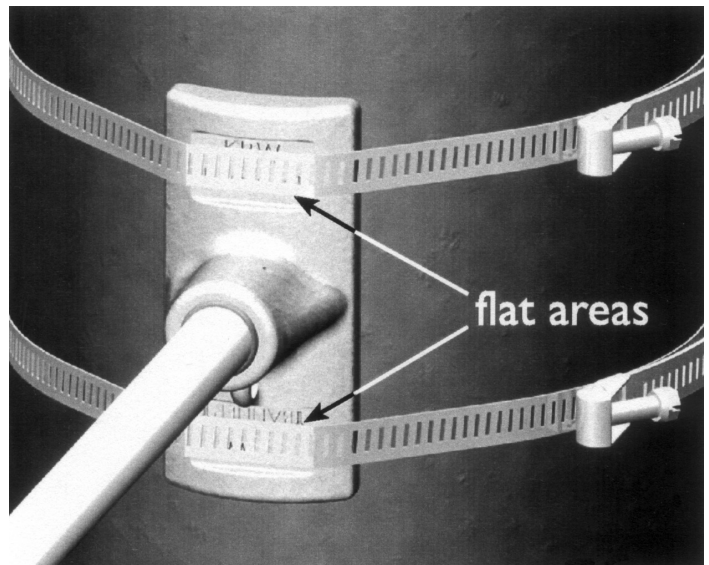


Figure 1

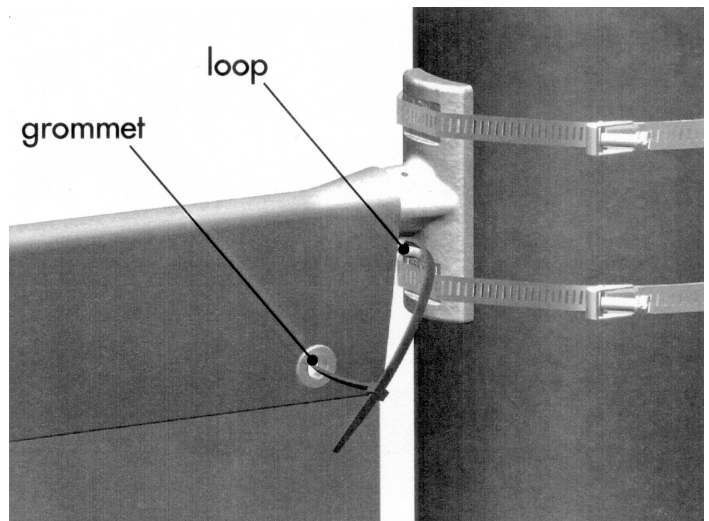


Figure 2

Square Pole Information

For utility poles that have a square "cross section" where the faces of the pole measure 5" or wider, a square pole adapter is recommended. This allows the banding to apply the proper pressure onto the casting.

KBW will attach adapter and casting together when requested with bracket ordered. When ordered separately, the adapter will be ready to attach to the casting with included bolts. It will be necessary to drill two holes in the casting to properly attach the casting to the adapter.

The above information applies to installations which are "banded" to the pole, not bolted. Square pole adapters are not needed on square utility poles that have bolts. Please call if assistance is needed.

KBW BannerFlex Warranty

KBW BannerFlex banner brackets are guaranteed for twelve (12) years against defects in material and workmanship when installed according to KBW installation instructions. Also, inspect your bracket installation 30 days after initial installation and every 60 days thereafter, making any necessary adjustments immediately. Brackets that have been damaged by trucks, buses, etc. or flying debris are not warranted against that type of abuse. Thank you for selecting KBW.

Caring for your Screen Printed/Textile Banners

We suggest the following when storing your KBW banners for the season. Note: Other banner manufacturers caution against ink cracking and peeling if stored improperly. KBW inks will not crack or peel, but we caution against folding and creasing banner(s) simply from an appearance standpoint.

- Make sure banners are dry before rolling up.
- Always roll banners to prevent creasing. Do not fold.
- Avoid crushing the banners by storing other items on them.

Cleaning KBW Banners

Please follow the instructions below when cleaning your KBW banners.

- Lay banners on clean surface such as concrete or asphalt with slope to drain.
- Using a hose with cold or lukewarm (preferably) water and moderate velocity, spray to rinse banner(s).
- Using a soft bristle brush and mild soap (such as ivory liquid), wash banners. Please test a portion of ink before cleaning entire banner(s).
- Rinse and hang to dry.

Do NOT dry clean banners. Avoid machine washing as agitator may rub and damage ink.

Larger Utility Poles?

If you have poles where larger banners and brackets are appropriate, please call your Sales Representative for information on the BannerFlex D3 and Metro brackets with the Airow arm, for banners up to 30" x 120."

Thank you for selecting KBW, the industry leader in banner hardware.



KALAMAZOO BANNER WORKS
