

## **Fiberglass Crossarms**

### Technical & Application Questions

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#### **Do fiberglass crossarms offer a higher basic insulation level (BIL)?**

Fiberglass is a non-conductive material and therefore has insulating properties. However, it is only intended to provide additional protection against surges. You should rely primarily on the BIL of the insulator itself to maintain the appropriate safety factor for your application.

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#### **Can a deadend be mounted in a way that would pull the arm away from the pole?**

We do not recommend it because it puts the burden of the load on the hardware instead of the pole and arm. That makes it much weaker than the strength rating of the crossarm itself. It also negates the use of the guy attachment that is included as part of the mounting bracket.

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#### **To counteract uplift, does Hubbell offer mounts that have a closed hole at the bottom of the bracket instead of an open-end slot?**

Not currently. Please let us know your needs and we can evaluate offering other options.

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#### **Will Hubbell fiberglass crossarms be RUS Listed?**

Yes, the process to have our items included in the listing is underway.

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#### **Can Hubbell braces be used with fiberglass crossarms?**

Yes, you can use either steel or wood Hubbell braces.

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#### **Can the same hardware used for wood arms work with fiberglass arms?**

Mostly. However, with fiberglass crossarms it is preferred to use washers that extend the width of the arm roughly 4". There could also potentially be an issue when using certain crossarm pins that have a divot where the shank meets the bell. In this case, the bell won't engage the sleeve of the crossarm. Most pins do not have this divot. You can check with customer service or see recommended products to ensure you will not have issues.

**Does Hubbell offer a stacked mounting option, where two arms are mounted on top of each other?**

We do not currently offer a stacked option.  
Please contact us to inquire about future availability.

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**Can I use double arming bolts to unify two crossarms?**

Yes, you can double deadend or double tangent as needed with a double arming bolt. In this application, a crossarm is mounted to each side of the pole, not on top of each other. Another option is going up in strength rating rather than double arming.

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**Can crossarms be mounted to flat poles with the standard mount?**

Currently, we only offer a standard pole gain bracket which can work if the flat edge is as wide as the mounting bracket. We will evaluate adding additional mounting options as needed.

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**What is the maximum angle that a tangent (or deadend) arm can be turned?**

The answer varies for different applications. Please contact us, so our engineering team can review your specifics and provide guidance.

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**How often should routine maintenance or inspection be performed? What should I be on the lookout for?**

Routine maintenance procedures for fiberglass crossarms follows the same guidelines as wood crossarms. This includes inspecting for damage from electrical stress, especially in higher voltage areas and around the holes of the arm.

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**How much tension can the guy plate on the mount support with single or double attachment? And at what angle?**

The ultimate guy load per attachment is 30,000 lbs. There are two mounting points, for a total load of 60,000 lbs. With either  $\frac{5}{8}$ " or  $\frac{3}{4}$ ", the limiting factor will be the bolt.

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