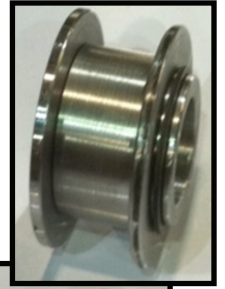


# Buddy Bushing Information

- Are you spending time & money maintaining transmission lines when it could be avoided?
- Do you have to replace cross arms due to erosion through the attachment on the arm?
- Does your transmission line have hardware failures due to wind-driven vibrations?
- How would your customers feel if they didn't have to sit in the dark through an extended power outage because of these repairs?



The Buddy Bushing, a new product has been developed to prevent these problems. The Buddy Bushing is a corrosion-resistant stainless steel bushing that is inserted into the attachment hole in the cross arm. It absorbs the sawing action between the attachment hole and hardware; therefore eliminating the need to replace the entire arm due to wear of wind-driven vibrations, improving reliability and extending hardware and arm life of the transmission lines.

## \*\*\*PROBLEM\*\*\*

*Erosion of the attachment hole in the arm due to vibrations.*



## \*\*SOLUTION\*\*

*Buddy Bushing inserted into attachment hole in cross arm.*



The bushing was professionally tested at the National Electricity Energy Testing, Research and Applications Center (NEETRAC). The results of the testing showed not only did the new bushing solve the wear problem, but also increased the strength of the joint by 25%. With a confident and solid product in hand, Georgia Power installed 400 Buddy Bushings on 141 worn cross arms on a 230kV line in South Georgia. The savings were significant in labor, equipment and materials. The Buddy Bushing has been tested and proven to offer your company these key benefits:

- Safety
- Reliability
- Process Improvement
- Risk Mitigation
- Overall Cost Reduction on Repairs
- Simplification

**LineWise**  
by Diversified Products  
254-757-1177  
[www.line-wise.com](http://www.line-wise.com)

**Please contact Diversified Products at 254-757-1177 to order your Buddy Bushing**

# Buddy Bushing FAQ'S

- **Q: Can the Buddy Bushing be installed on new construction?**  
*A: Absolutely, and will extend the life of the arm.*
- **Q: What kind of material is the Buddy Bushing made out of?**  
*A: Corrosion-resistant Stainless Steel. Other materials available for specific applications.*
- **Q: Has the Buddy Bushing ever been lab or field tested?**  
*A: Yes, the Buddy Bushing has been professionally lab tested at NEETRAC and has also been installed and field tested by Georgia Power on transmission lines.*
- **Q: What other customers have used the Buddy Bushing and can give me their opinions?**  
*A: References are available upon request*
- **Q: What loads are the Buddy Bushing rated for?**  
*A: Load requirements will vary based upon your application. Every application will be evaluated by an experienced LineWise Engineer to ensure the load rating will be greater than your requirements.*
- **Q: Does the Buddy Bushing need to have a snap ring?**  
*A: No. Snap ring may be necessary in specific applications.*
- **Q: What kind of analysis has been done on the Buddy Bushing?**  
*A: An Ultimate Tensile Strength Test was performed at National Electric Energy Testing, Research and Applications Center (NEETRAC). All applications will be evaluated by LineWise Engineers.*
- **Q: How do I know if the Buddy Bushing will work for my application?**  
*A: The Buddy Bushing has been tested and field proven to work in any application or field in which it is desirable to reinforce or protect a hole from additional wear. All applications will be evaluated by LineWise Engineers.*
- **Q: Is there a patent on the Buddy Bushing?**  
*A: Yes.....U.S. Patent No. 8,399,770B1*
- **Q: Who should I contact to get more information about the Buddy Bushing?**  
*A: Noah Gutierrez at Diversified Products 254-757-1177 OR [noahg@diversifiedproduct.com](mailto:noahg@diversifiedproduct.com)*

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