



Wagners Composite Fibre Technologies (CFT)

# FRP Crossarms

Wagners Composite Fibre Technologies (CFT) FRP crossarms deliver a next-generation solution for modern electrical infrastructure, combining advanced composite engineering with proven performance. With more than 200 custom designs more than two million units supplied globally, Wagners CFT crossarms are trusted by network operators to enhance reliability, safety and long-term asset performance.

Manufactured using high-performance fibre reinforced polymer (FRP), these crossarms are engineered to outperform traditional timber, steel and aluminium alternatives. Inherently durable and inert, FRP will not rot, rust or corrode, even in the harshest environments from coastal salt spray to desert heat and chemically aggressive conditions. This resilience translates into extended service life and significantly reduced maintenance requirements, supporting lower whole-of-life costs for asset owners.

Lightweight by design, FRP crossarms are typically a fraction of the weight of timber equivalents, making them safer and easier to transport, handle and install, particularly in remote or difficult-to-access locations. Reduced weight also minimises structural fatigue on supporting poles, contributing to improved network longevity and performance over time.



## Performance Advantages



**Durable** with an expected 80-year design life



**Inert** will not rot, rust and corrode



**Lightweight**, making it safer to handle, transport and install



**High electrical insulation**, non-conductive with excellent dielectric properties, improving network safety and reducing risk of electrical fault



**Fire resistant and self extinguishing**, designed to resist ignition and limit flame spread helping to reduce pole-top fire risk and improve network resilience



**Low maintenance**, lowering operational costs over the life of the asset



**Consistent and reliable performance**, manufactured to precise specifications, eliminating natural defects such as knots, warping and inconsistencies

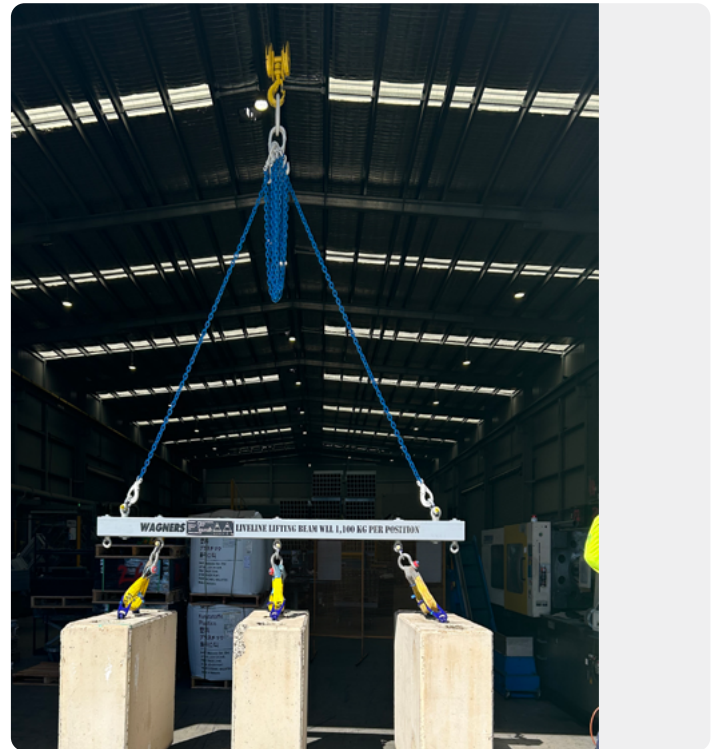


**In-field drilling** allows easy installation and flexibility for on-site design modifications

**WAGNERS**

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[wagnerscft.co.uk](http://wagnerscft.co.uk)



Electrical performance is a defining advantage. Wagners CFT crossarms are dielectric, non-conductive and provide high insulation strength, enhancing network reliability while reducing the risk of electrical faults. With a self-cleaning coating and self-extinguishing properties, these crossarms significantly reduce the risk of pole-top fires, enhancing safety for both infrastructure and surrounding environments.

Designed with modularity in mind, FRP crossarms can be prefabricated and assembled off-site, streamlining installation and reducing on-site labour, weather delays and project risk. Their nonleaching composition ensures no harmful substances are released into the environment, making them ideal for use in environmentally sensitive areas and supporting broader sustainability goals.

Backed by Wagners CFT's in-house design expertise and advanced manufacturing processes, FRP crossarms offer a future-ready solution for low and high voltage, distribution, transmission and subtransmission applications. By choosing composite technology, utilities can de-risk their infrastructure, improve safety and performance, and deliver more resilient networks for generations to come.

Wagners CFT also meets the international management standards for:



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