

LINK-PLATE™ AND DIRECT ANCHORAGE TERMINATION™ SOLUTIONS FOR MONOPOLES



Congruex Engineering Services offers the telecommunications industry innovative, proprietary solutions to reinforce monopoles without the need for welding.

This approach enables a direct load transfer to the foundation, bypassing the need to weld onto the base plate. The patented Link-Plate™ and Direct Anchorage Solution™ deliver significant cost savings and shorter project timelines.

By eliminating the need for welding, this solution reduces the risk of fire, creating a safer work environment. Labor costs and modifications times are also reduced due to the patented block and key feature which requires drilling only two bolts per splice – compared to the 20+ bolts per splice required for an industry standard joint plate – avoiding the need to drill hundreds of holes. The Link-Plate™ and Direct Anchorage Solution™ provide a secure, non-welded direct load transfer to the foundation through the base plate. Kits are readily stocked and available for shipment from qualified manufacturers to ensure quality.



BENEFITS OF LINK PLATE™ & DIRECT ANCHORAGE TERMINATION™

LOWER COST

- 20%-30% savings over traditional solutions
- More likely to utilize the existing tower

FASTER CYCLE TIME

- No welding
- Drilling reduced by a factor of 10x
- Kits typically ship within 3-5 business days

INCREASED SAFETY & REDUCED RISK

- No welding means the risk of fire inside the structure is eliminated, also decreasing the chance of corrosion and no burn-off of the galvanizing coating
- Provides true transfer of force into the foundation
- Less drilling means better hole alignment and fewer installation errors

U.S. Patent Nos. 9,714,520; 9,546,497; 9,896,859; 9,926,716; 10,472,844; 10,781,601; 11,210,437.
Additional patents pending - see <https://www.congruex.com/patented-solutions/tes-patented-solutions>