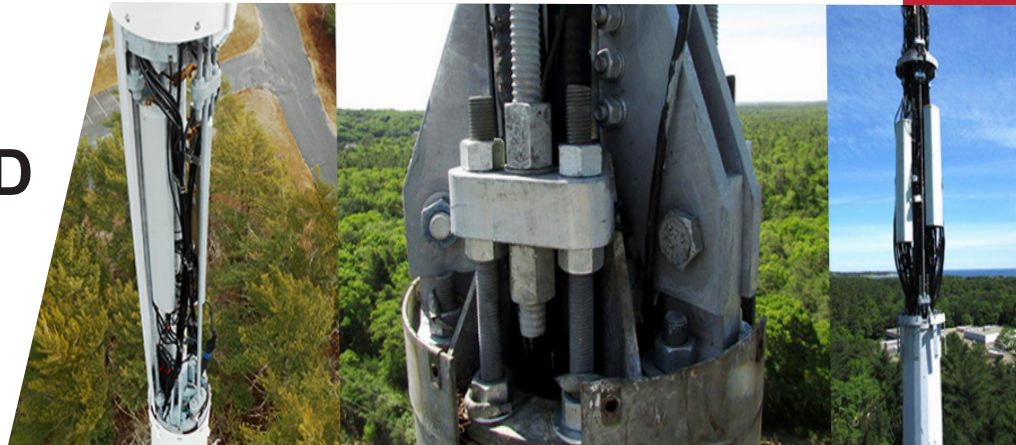


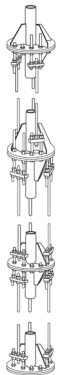
SPINE SAVER™ FOR CONCEALED DESIGN STRUCTURES



The patented Spine Saver™ method for reinforcing Concealed Design Structures (CDS) avoids the need for full removal and replacement of the spine which prevents service interruption.

This approach provides significant cost savings of up to 50% over traditional solutions, as well as increases capacity. In cases where the canisters need to be increased or extended, this is the optimal solution.

The Spine Saver is the only CDS solution used by two major U.S. carriers and a major tower company.



U.S. PATENT NO. 11,359,399

This is a sample rendering of the Spine Saver™. The dimensions of the parts will vary based on the site-specific design.



BENEFITS OF SPINE SAVER™

LOWER COST

- No need to drop and swap, eliminating the full removal and replacement of the spine
- Typical savings of up to 50% over traditional methods

NO “OFF-AIR”

- Carrier equipment remains on-air, providing no disruption of service
- No COWs required for temporary coverage

FASTER CYCLE TIME

- Existing spine utilized

IMPROVED VALUE OF ASSET

- Increased load capacity
- Reduced damage to canisters and shrouds from a phenomenon known as vortex

U.S. Patent Nos. 11,359,399; 62/524,954; 62/608,729.

Additional patents pending - see <https://www.congruex.com/patented-solutions/tes-patented-solutions>

