

# Theft Deterrent Ground Assembly (TDSGA)

## Features

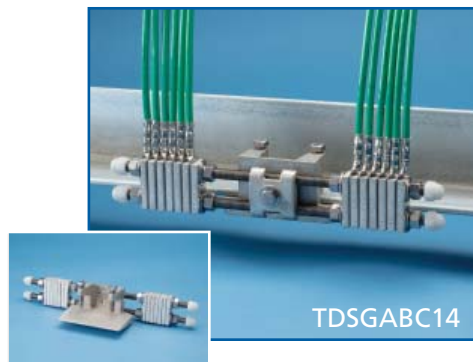
- Cost-effective alternative to conventional bus bars in a grounding system
- Minimizes exposed copper (bus bar and down lead)
- Designed to minimize voltage potential differences at the tower



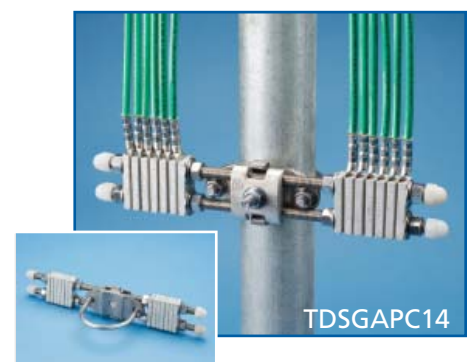
Copper theft continues to threaten the safety and functionality of wireless telecommunications sites. Ground bars, conductors and cables are often targeted by thieves, leaving behind a compromised system which is vulnerable to equipment damage and potential downtime.

The Theft Deterrent Ground Assembly (TDSGA) is a unique and cost-effective alternative to using conventional copper bus bars in telecommunications grounding systems. The TDSGA system can be used in place of traditional copper bus bars at all transmission line grounding locations on the tower or in place of external bus bars located at the cable entry ports. Once installed, the TDSGA discourages copper theft, helps minimize potential differences, limits voltages caused by lightning and provides a path to ground for transient surges.

The TDSGA flange mount assembly (TDSGABC14) will mount to typical structural beam flange on a telecom tower without cutting or drilling the flange. The TDSGA post mounting assembly (TDSGAPC14) will mount to a 1.9" to 2.5" pipe or post without cutting or drilling the pipe. Tinned copper casting and stampings are part of both the flange mount and post mounting assemblies to maintain a low-impedance connection to ground. Tinned copper components provide a low-impedance path to ground while minimizing exposed copper.



TDSGABC14



TDSGAPC14



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The TDSGA pole-mount assembly (TDSGAPA14) is conveniently mounted on a standard ice bridge post (3.5 inch nominal O.D.) and provides a path to the buried ground ring via a connection to the post. This assembly eliminates the need for a solid copper bus bar and down lead. The connection to the ground ring is concealed below grade. This proven system provides the low-impedance grounding required at telecommunications sites, and eliminates the copper components typically targeted by thieves. Please note: pole itself is not included in the assembly.

The TDSGA system is also available in wall-mount assemblies (TDSGAWB17), which can be used for any mounting applications and configurations. These assemblies utilize the tower or other mounting structure's connection to the ground ring to provide equipotential bonding and a low-impedance path to ground.



Part Number	Description
TDSGABC14	Flange Mounting Assembly
TDSGAPC14	Post Mounting Assembly
TDSGAWB17	Wall Bracket Mounting Assembly
TDSGAPA14	Pole Mounting Assembly



## TDSGA Accessories

Part Number	Description
TDSGAS	Assembly Spacer
TDSGAP	Pole Spacer
TDSGAWB	Aluminum Wall Bracket

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**WARNING**  
ERICO products shall be installed and used only as indicated in ERICO's product instruction sheets and training materials. Instruction sheets are available at [www.erico.com](http://www.erico.com) and from your ERICO customer service representative. Improper installation, misuse, misapplication or other failure to completely follow ERICO's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death.

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