

# LIGHTNING ELIMINATORS

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## SBI™

### Spline Ball Ionizer™

Modular Lightning Prevention

The SBI from Lightning Eliminators is a modular lightning prevention component used to supplement Dissipation Array installations, and as the first line of defense for structures that require lightweight protection with a low wind profile.

Like our Dissipation Array System (DAS) the SBI is based on over 25 years of research & development and utilizes similar technology to reduce the risk of direct lightning strikes at the protected site.

### Hybrid Protection

The patented SBI is a hybrid lightning protection concept engineered to provide multiple layers of protection for critical applications.

In its primary mode, the SBI lowers the risk of direct strikes by utilizing a phenomenon known as charge transfer, where a well-grounded point exchanges ions between the air and earth. This ionizing capability helps keep the local electric field below lightning potential, making the protected site less likely to experience direct strikes.

Under intense storm conditions, the SBI functions as a highly effective air terminal, safely collecting any strikes it cannot prevent. In contrast to wire brush devices that are often left ineffective after a single strike, the SBI continues to reduce the risk of subsequent strikes.



The SBI's unique design and geometry also enable it to collect an incoming strike from virtually any direction, creating a larger area of protection than standard air terminals.

### The SBI Advantage

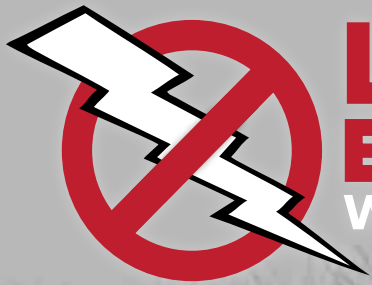
- Prevents most lightning strikes
- Minimizes damage potential
- Stainless steel construction
- Easy installation
- UL listed

The SBI is a building block toward complete lightning protection when used for basic risk reduction, or when used with DAS as part of an integrated solution.

### Achieving Complete Protection

We are a full service consulting firm aligned to solve your most complex challenges in lightning protection, grounding, and surge suppression. Visit [www.lightningprotection.com](http://www.lightningprotection.com) to learn more.





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## SBT™

### Spline Ball Terminal™

Advanced Air Terminal Technology

The Spline Ball Terminal from Lightning Eliminators offers a superior alternative to standard air terminals for new or existing lightning protection systems.

Unlike traditional lightning rods designed only to collect, the SBT is engineered to both reduce the risk of direct strikes and function as a highly efficient air terminal.

### Hybrid Protection

In its primary mode, the SBT lowers the risk of direct strikes through a phenomenon known as charge transfer, where a well-grounded point exchanges ions between the air and earth. This ionizing capability helps keep the local electric field below lightning potential, making the protected site less likely to experience direct strikes.

During intense storm activity, the SBT functions as a highly effective air terminal, safely collecting any strikes it cannot prevent. The SBT's unique design and geometry also enable it to collect an incoming strike from virtually any direction, creating a larger area of protection than standard air terminals that rely on a single point.

### The SBT Advantage

- Hybrid protection
- Easy installation
- Stainless steel construction



- Light weight, low wind profile
- Minimizes risk to property and personnel
- UL listed replacement for standard terminals

The UL listed Spline Ball Terminal is an off-the-shelf product that mounts easily in existing hardware, offering a simple and inexpensive way to improve the performance of standards-based systems. For use in any UL 96A, NFPA 780, or Master Label installation.

### Achieving Complete Protection

The SBT is ideal for applications requiring basic risk reduction or for use as a building block toward complete lightning prevention in an integrated solution.

We are a full service consulting firm aligned to solve your most complex challenges in lightning protection, grounding, and surge suppression. Visit [www.lightningprotection.com](http://www.lightningprotection.com) to learn more.

