

Fall protection system with integrated lightning protection (BIA)

Lightning-protected lifeline system with permanent status monitoring

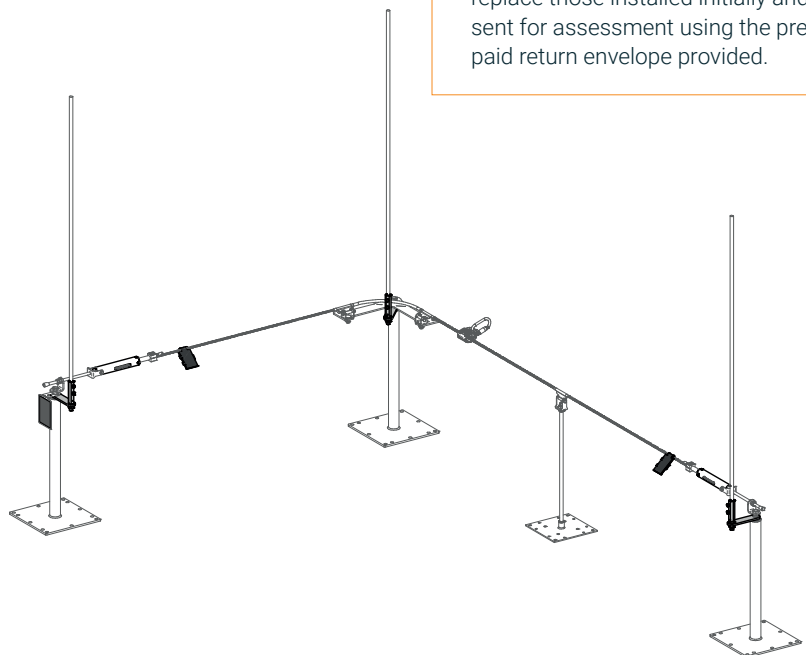
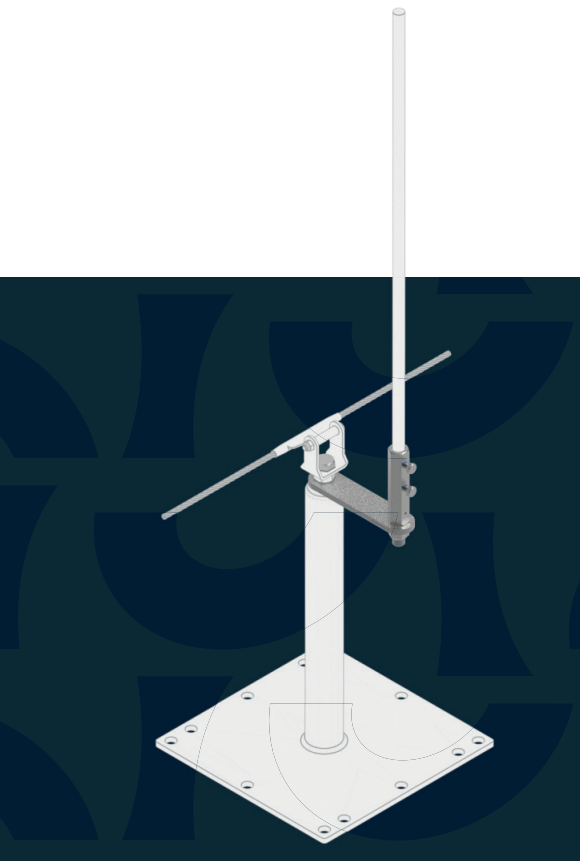
An undetected lightning strike can weaken the load capacity of lifeline systems for fall protection by up to 50% - the consequence: danger to life! Use of the BIA-SET developed together with the Oö. Blitzschutzgesellschaft m.b.H. company allows damage to the AIO SEILSYSTEM PASSABLE system to be recognised, and necessary repairs to be instigated immediately.

Oö. Blitzschutzgesellschaft m.b.H. examines the lightning detectors to identify the lightning strike. This is possible at any time, i.e. permanently. The fall protection system can thus be maintained in optimum condition, and so it can be used without risking the illusion of safety. In addition, if the lifeline system is earthed, it can simultaneously function as a component of the lightning protection system - thus avoiding additional effort in terms of costs and installation, as well as potential visual disadvantages. For the AIO LIFELINE SYSTEM PASSABLE to be classified as a BIA system, the BIA-SET-01 is a basic prerequisite. This can be fitted to newly installed as well as existing lifeline systems. As per lightning protection standard EN62305-3, the use of the BIA-SET converts the AIO LIFELINE SYSTEM PASSABLE into a fall protection system with lightning detection.



BENEFITS

- Cost and space savings**
 Because the fall protection system is lightning-protected, it does not require separate protection. Lightning rods on the roof are unnecessary, and there is no additional roof loading.
- Protection from the illusion of safety**
 The integrated lightning detectors mean that any lightning strikes and their strengths can be assessed subsequently. This makes it clear whether an additional inspection of the lifeline system is necessary.
- Simple to handle**
 The BIA-SET-01 contains two lightning detectors which have to be mounted on the system. Two further detectors are provided to replace those installed initially and sent for assessment using the pre-paid return envelope provided.

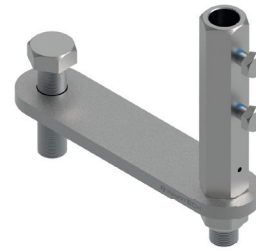
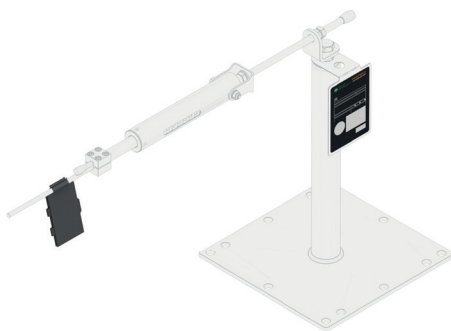




BIA-SET-01

This accessory item consists of two lightning detectors in mounting brackets. These are fitted to the lifeline system close to the end lock.

Two further replacement lightning detectors are used when the initial detectors have been removed for the assessment process. By assessing the BIA-SET-01 it can be determined whether the lifeline system has been subject to lightning strikes, and how strong these were. By installing the lightning detectors and an appropriate grounding connection, the AIO lifeline system also complies with lightning protection standard EN62305-3. The initial assessment by the Oö. Blitzschutzgesellschaft m.b.H. company is included in the purchase price, and a pre-paid return envelope is provided.



BIA-SET-02

The essential prerequisite for the use of the BIA-SET-02 is an operational BIA-SET-01.

This accessory item provides an optional anchor on STA, SYST, or FALZ posts, and allows the installation of lightning protection rods. This gives the AIO LIFELINE SYSTEM PASSABLE an additional function as a system protected against lightning current. The option of mounting lightning protection rods directly on the posts means that there are no additional costs or weight-loading caused by concrete pedestals on the roof, and there are no further obstructions to walkways.





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