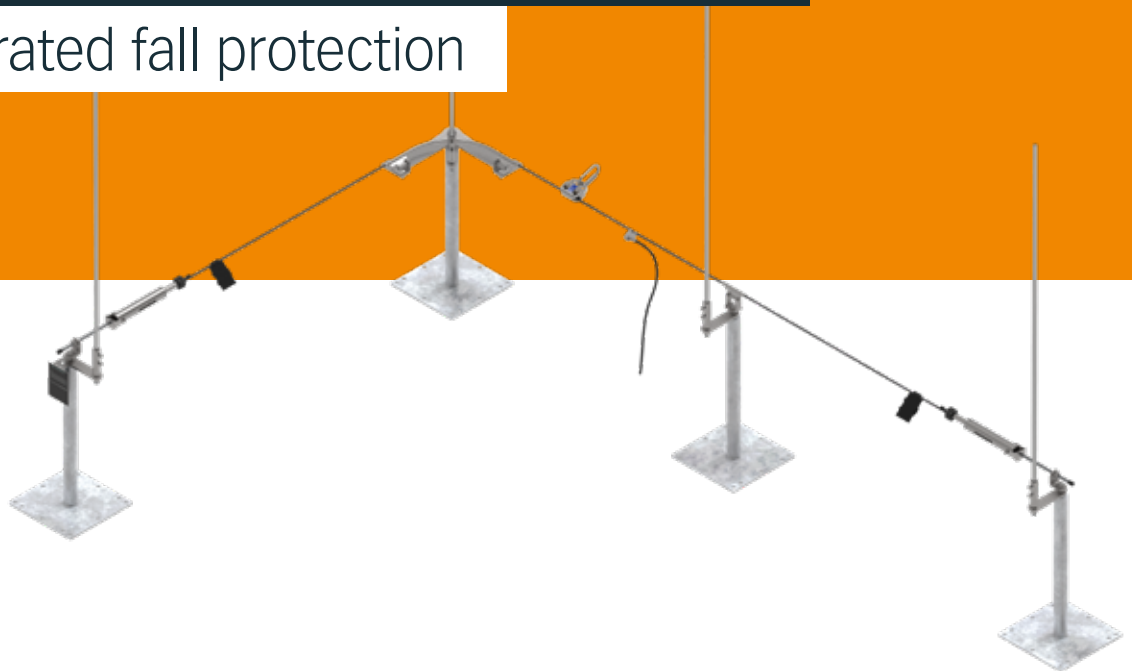


BIA LIGHTNING PROTECTION

# LIGHTNING PROTECTION

with integrated fall protection



In cooperation with the Oö lightning protection company, INNOTECH has developed the new BIA lightning protection system. Through the existing system tests for all lightning protection classes, the components listed fulfil the lightning protection requirements of the European standard "ÖVE/ÖNORM EN 62305

Part 3 Lightning protection - Physical damage to structures and life hazard". Because of the integration of the fall protection into the lightning protection system, the installation time falls significantly, and unnecessary stumbling events are reduced.

The BIA fall and lightning protection system is the only tested system on the market. Combinable with all other components of the AIO lifeline system (EB, SZH, EDLE, GLEIT)

- Short installation time
- Fewer roof perforation
- Reduced number of stumbling events on the roof
- Fewer interfaces on the construction site
- A single maintenance partner/contract
- Tested lightning protection in combination with fall protection
- BIA-AIO-SYSTEMS are tested against lightning current (certificate)
- Cost savings up to 30% in combination
- Certification to the latest state of the art: ÖVE/ÖNORM EN 62305-3  
Lightning protection class 1-4

## BIA components

Information about planning and implementation:

The implementation of the BIA products must follow a joint plan (lightning protection in combination with fall protection). This is the only way to ensure that all legal requirements are fulfilled and that the system benefits are realised in full. Installations of fall protection systems must be matched with existing building lightning protection, because incorrect installation can disable the effects of the lightning protection system.

### END LOCK

#### **BIA-CONNECT** END LOCK SET (795 C)

Material: Stainless steel, aluminium

Complete set for cable span, with integrated lightning strike detector at each end of the cable span, incl. rating plate. Constant spring pre-tensioning, and fall indicator clamp.



### STAINLESS STEEL

#### **SEIL-30** STAINLESS STEEL CABLE (795 C)

Dimensions: Ø 8mm (7 x 7)  
Breaking load: 37 kn  
Material: stainless steel  
Lightning current-tested cable for the fall protection system  
Tested for BIA-SYSTEM - mandatory!



### ASSOCIATED EQUIPMENT

#### **BIA-FAN-SEILKL** CABLE CLAMP

Material: stainless steel  
Flexible EQUIPOTENTIAL CABLE FOR LIGHTNING PROTECTION for BIA horizontal lifeline system.  
8 mm, traversable with travelling eyebolt; lightning current-tested as per OVE/ONORM EN 62305-3



#### **BIA-FAN-FANG** LIGHTNING ROD

Length: 2.5/3 m  
Material: aluminium



### POSTS

#### **BIA-FAN-12** STANDARD POST (795 C)

Substructure: Concrete, hollow concrete slab, steel construction, etc.  
Post dimension: Ø 48 mm  
Base plate dimensions: 300 x 300 x 8 mm  
Post length: 600, 800, or 1000 mm  
Material: Steel (galvanised)



**BIA-FAN-AUSL** IS INCLUDED IN THE DELIVERY  
**BIA-FAN-FANG** and **SZH** ARE NOT INCLUDED IN THE DELIVERY

#### **BIA-AIO-SYST** END/CORNER POINT, INTERMEDIATE BRACKET, ETC. (795 C)

Substructure: Standing seam roofs  
Material thickness: steel (at least 0.5 mm), titanium zinc (at least 0.7 mm), aluminium (at least 0.7 mm), stainless steel (at least 0.5 mm)  
Profile width: 410 to 610 mm  
Material: Aluminium/stainless steel



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#### **BIA-AIO-FALZ** END/CORNER POINT, INTERMEDIATE BRACKET, ETC. (795 C)

Substructure: standing seam roof systems  
Material thickness: aluminium, copper, titanium zinc, stainless steel, etc. (min. 0.6 mm)  
Profile width: 520 to 790 mm  
Material: stainless steel



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