NETWORK

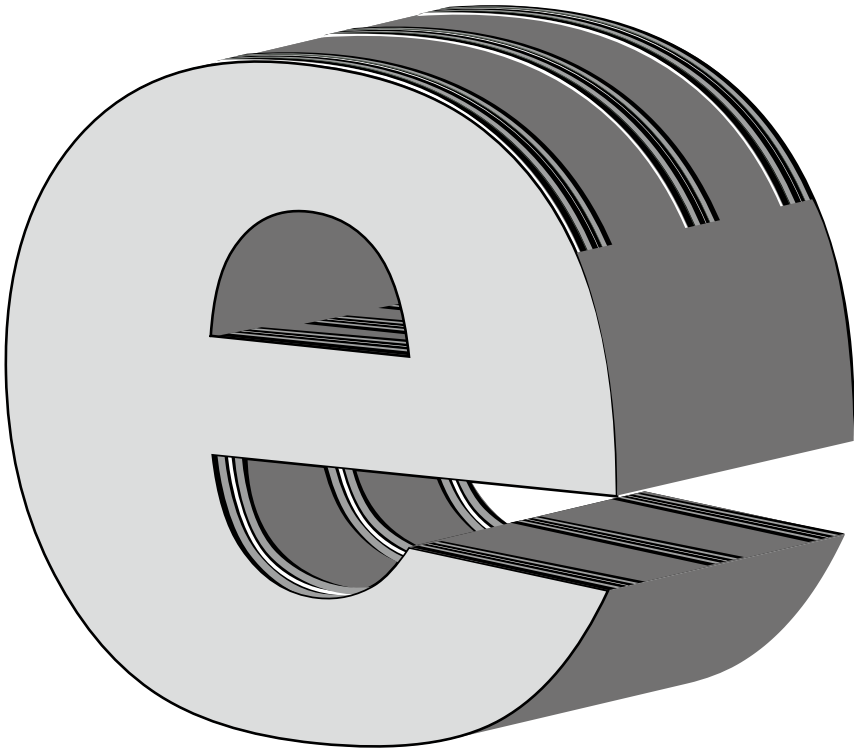
AVISHOCK™

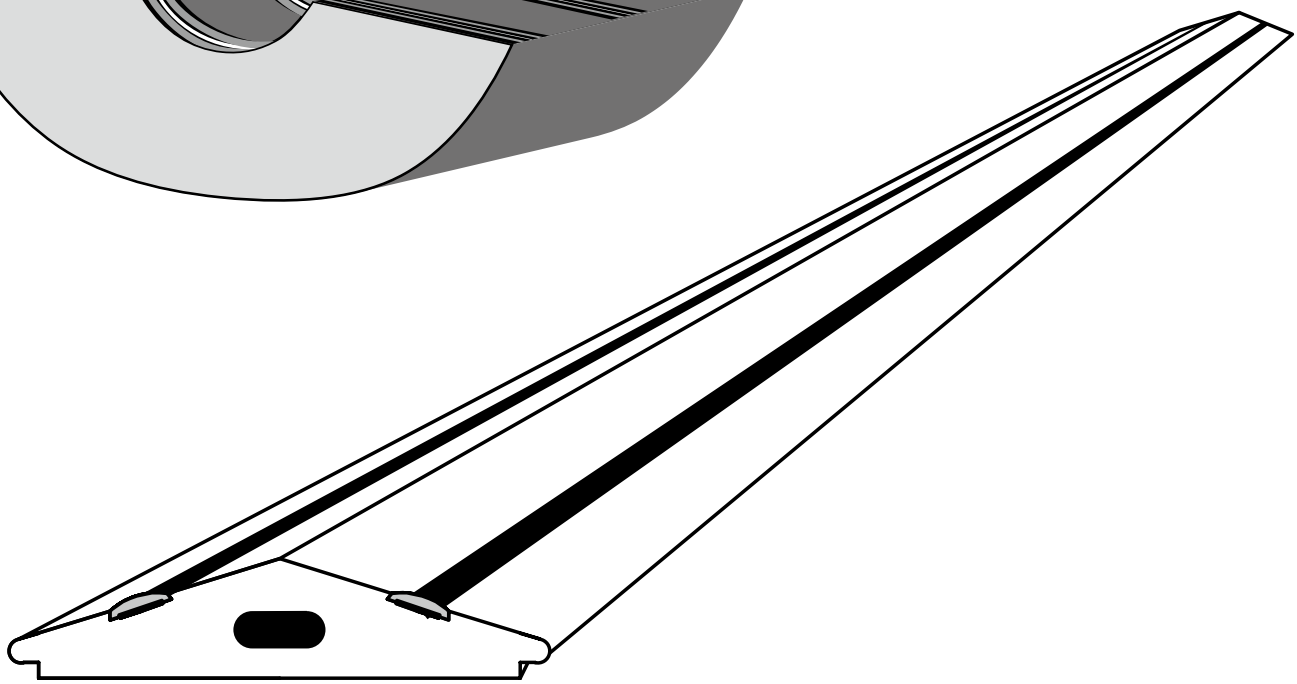
DESIGN GUIDE

Description

Avishock Electric Bird Deterrent System

– Design guide
– Guide de design
– Design Hinweise
– Esempi di installazione
– Budowa urządzenia
– Guía de diseño
– Ontwerp gids



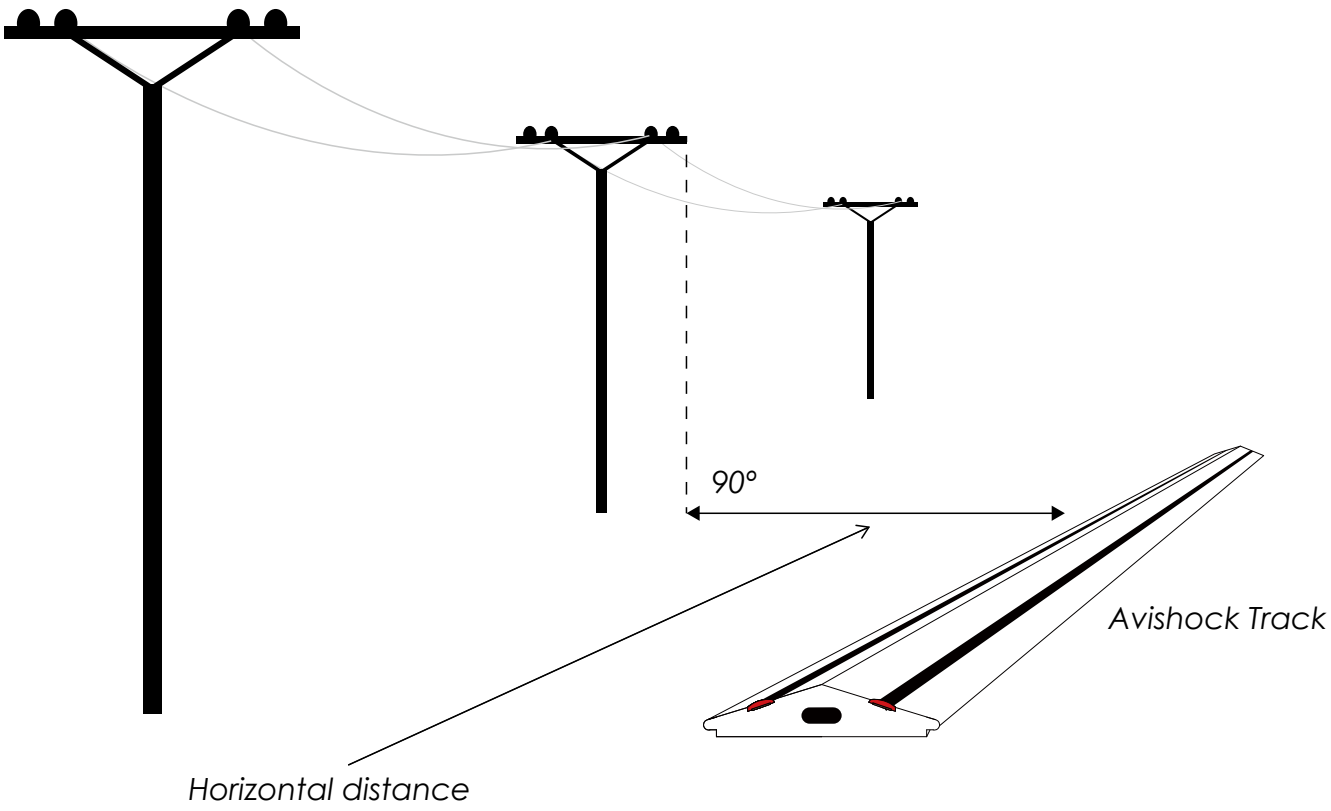


INSTALLATION DESIGN

THE BEST PLACE TO POSITION THE TRACK IS WHERE THE BIRDS ARE LANDING. THIS TENDS TO BE THE EDGES OF LEDGES AND ANY RAISED SECTIONS THAT PROTRUDE ABOVE THEIR SURROUNDINGS E.G. THE FRAMEWORK OF GLASS PANEL ROOFS.

Consider each site individually. As a general rule, Avishock is a suitable for areas where the track is unlikely to be touched by the public e.g. on ledges, signs, roofs, parapets etc. It can be suitable for window sills provided they are ≥800mm from the floor; and for balcony handrails provided they are ≥1100mm from the floor. On public buildings Avishock is not suitable on readily accessible parts.

Do not install Avishock within the following horizontal distances from a power line: 3m for power lines not exceeding 1,000V; 15m for power lines exceeding 1,000V. Crossings under overhead power lines should be at right angles to them.



Avishock must not be installed where explosive gases are present.

Warning signs need to be fitted at points where persons may gain ready access to the conductors. UK Health & Safety Executive suggest 5m apart on each face of the building where Avishock is installed.

General principles for track positioning on some common structures:

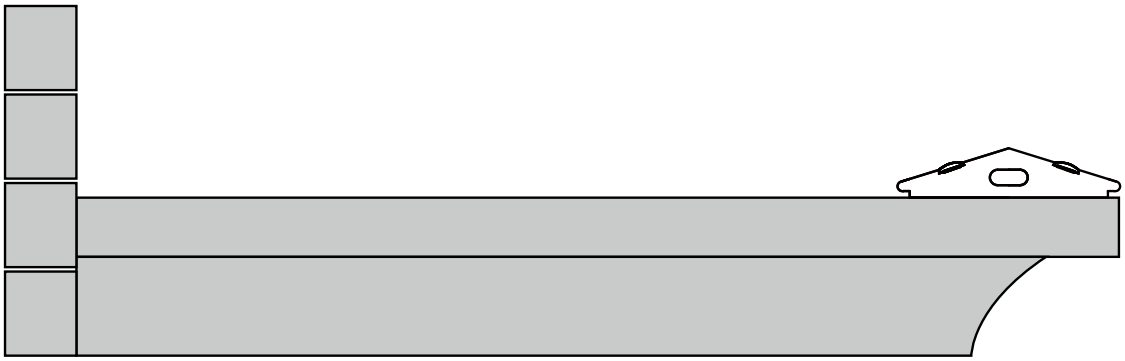
One-sided ledges: Pigeons/Gulls

SPECIFICATION	
Ledge Type	*One-sided ledges*
Bird Species	*Pigeons/Gulls*
Medium Pressure*	*1 row on ledge edge. Further rows may be required depending on angle of ledge and view of food source etc.*
Heavy Pressure*	*1 row on ledge edge and subsequent rows at 50mm spacing*

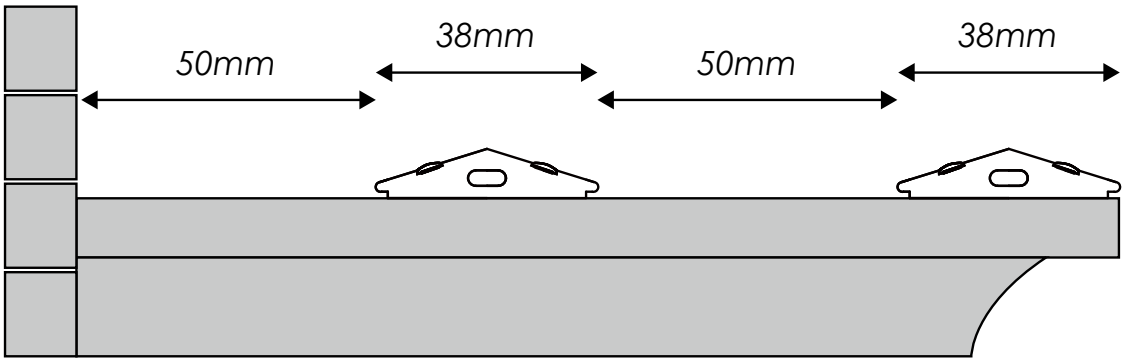
One-sided ledges: Starlings/Sparrows

SPECIFICATION	
Ledge Type	*One-sided ledges*
Bird Species	*Starlings/Sparrows*
Medium Pressure*	*1 row on ledge edge. Further rows may be required depending on angle of ledge and view of food source etc.*
Heavy Pressure*	*1 row on ledge edge and subsequent rows at 30mm spacing*

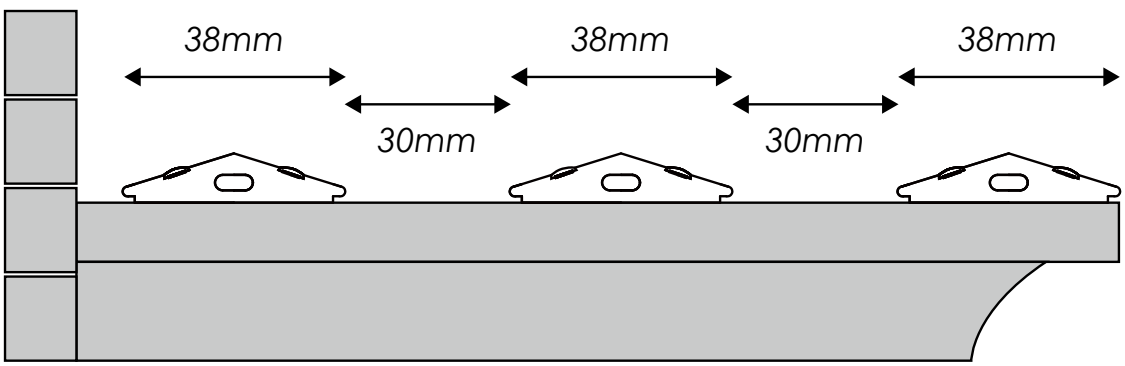
Any bird, light pressure*



Pigeons/Gulls, heavy pressure*



Starlings/Sparrows, heavy pressure*

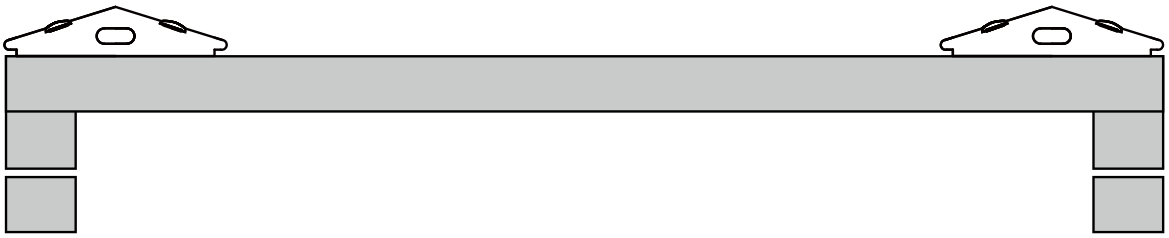


General principles for track positioning on some common structures:

Parapets/Open ledges: Pigeons

SPECIFICATION	
Ledge Type	*Parapets/Open ledges*
Bird Species	*Pigeons*
Heavy Pressure*	*1 row on outer and inner edges and ends and 1 or more additional rows running down the centre*
Medium Pressure*	*1 row on outer and inner edges and ends*
Light Pressure*	*1 row on outer edge*

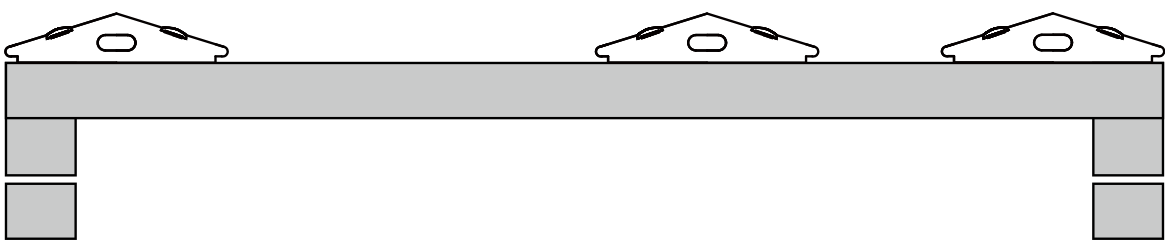
Pigeons medium pressure



Parapets/Open ledges: Gulls

SPECIFICATION	
Ledge Type	*Parapets/Open ledges*
Bird Species	*Gulls*
Heavy Pressure*	*3 rows on outer edge (50mm apart) and 1 row on inner edge and ends and 1 or more additional rows down the centre*
Medium Pressure*	*2 rows on outer edge (50mm apart); 1 row on inner edge and ends*
Light Pressure*	*1 row on outer edge*

Gulls medium pressure*



General principles for track positioning on some common structures:

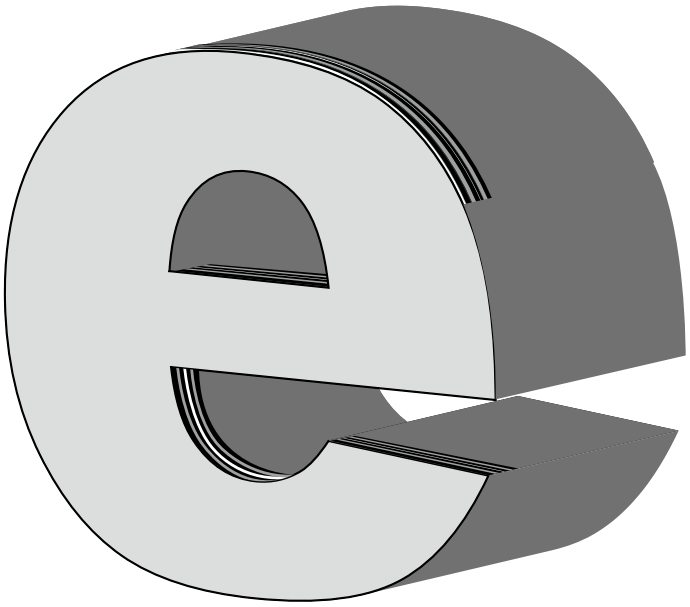
Signs: Pigeons/Gulls

SPECIFICATION	
Ledge Type	*Signs*
Bird Species	*Pigeons/Gulls*
Light Pressure*	*1 row on sign edge*
Heavy Pressure*	*1 row on sign edge and subsequent rows at 50mm spacing*

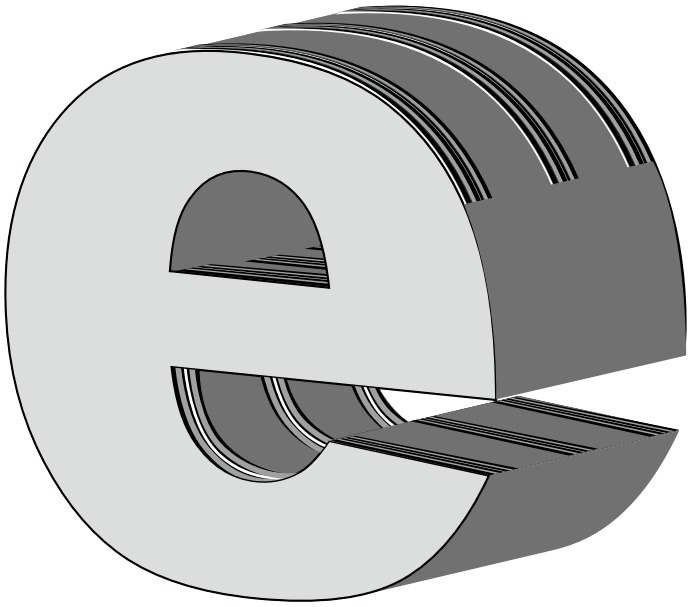
Signs: Starlings/Sparrows

SPECIFICATION	
Ledge Type	*Signs*
Bird Species	*Starlings/Sparrows*
Light Pressure*	*1 row on sign edge*
Heavy Pressure*	*1 row on sign edge then subsequent rows at 30mm spacing*

Pigeons / Gulls
Light pressure*



Starlings / Sparrows
Heavy pressure*

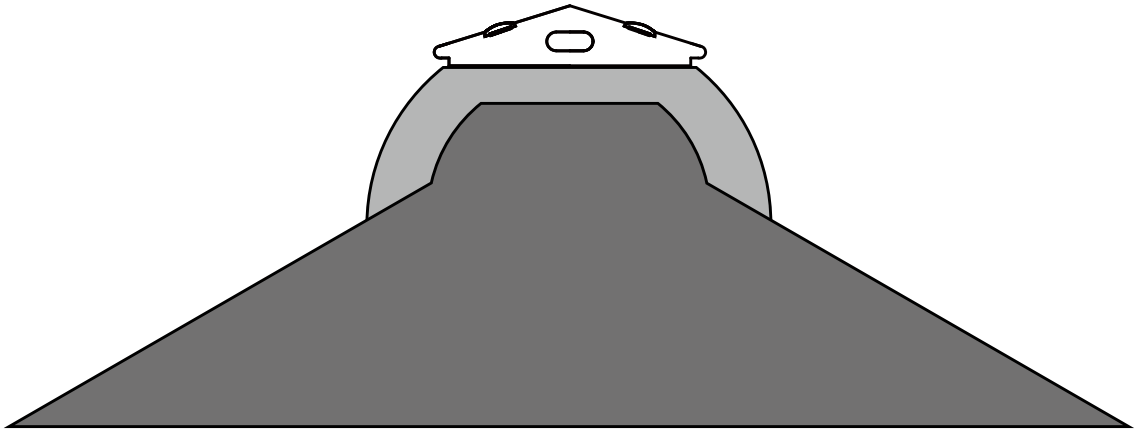


* Light Pressure - Occasional daytime perch
Medium Pressure - Regular daytime perch either overlooking a food source or a sunbathing spot
Heavy Pressure - Overnight roost or 24 hour nesting site

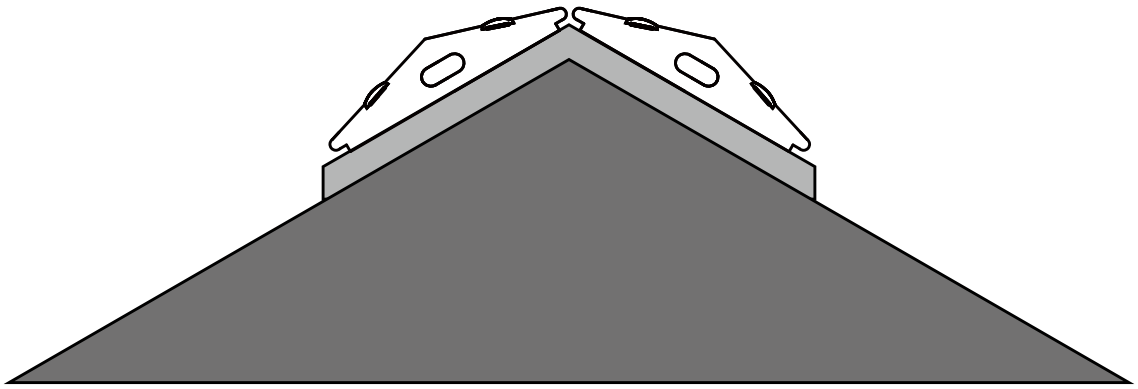
Roofs and Roof Ridges : All species

SPECIFICATION	
Ledge Type	*Roofs and Roof Ridges*
Bird Species	*All*
Round Ridges	*1 row on along the centre of the ridge*
Triangular Ridges	*Either 1 row either side of the ridge touching each other. Alternate the polarity of the conductor so that touching the two central conductor also gives a shock, or use AviClips for roof ridge at 0.3m intervals with single line of track*
Gable Ends	*Pigeons/Starlings/Sparrows: two rows – one row on the edge and a second row 50mm in from the first* *Gulls: three rows – one row on the edge, a second row 50mm in from the first, then a third 50mm in again*
Roof Slopes	*Success has been achieved on completely infested roofs by positioning Avishock on raised parts of roof or installing it in rows approximately 1m apart*

Round Ridges

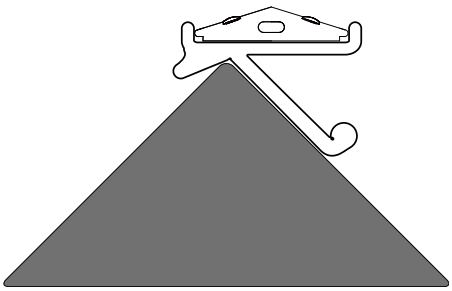


Triangular Ridges

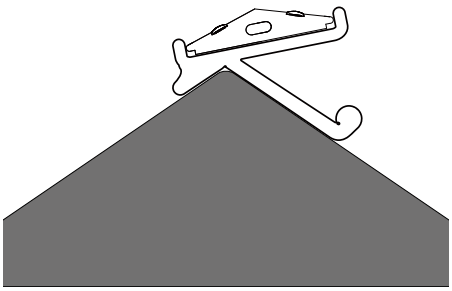


This advice is based on experience of using Avishock to protect buildings and structures against birds. However, every installation is unique and bird behaviour can be unpredictable, so absolute effectiveness of any suggested designs cannot be guaranteed.

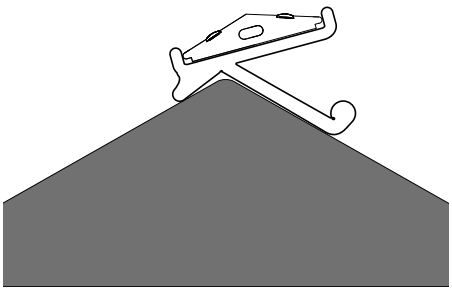
Triangular Ridge using AviClips



90° Ridge



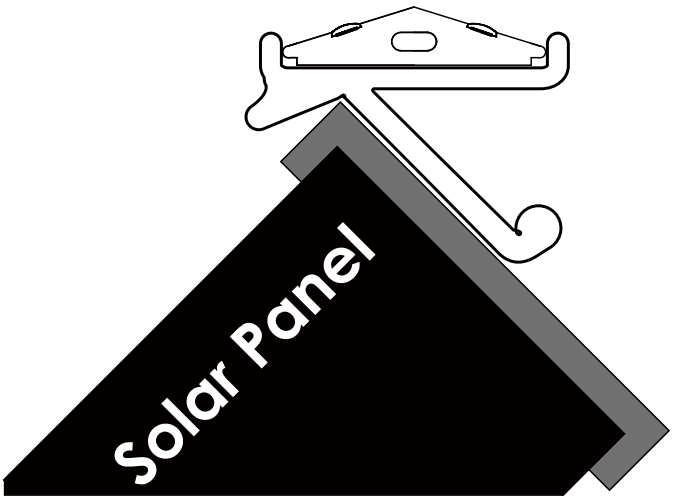
105° Ridge



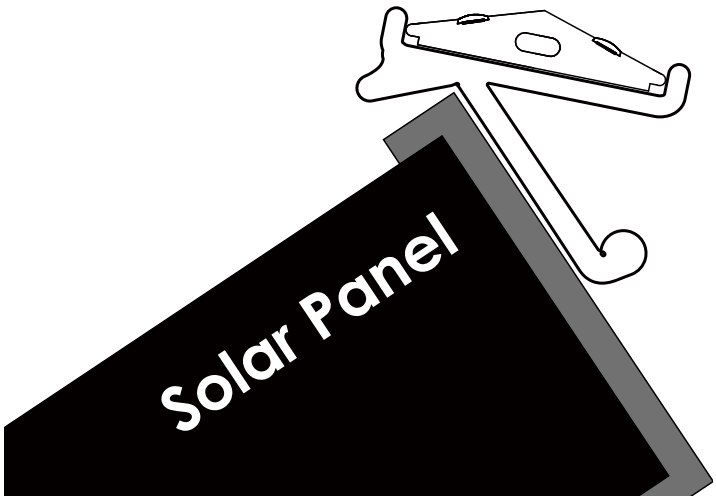
125° Ridge

Solar Panels: All species

1 row fitted using AviClips at 0.3m intervals



45°
Solar panel



37.5°
Solar panel

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P+L Systems' technical support is based on our extensive experience in proofing installations against pest birds, not on engineering expertise. Therefore, it is not possible for us to offer a fully qualified engineering recommendation. If you need assurance on integrity of installation design we recommend you seek the guidance of specialist materials consultants/structural engineers.

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