



ISO 9001 certificate holder



BIRD CONTROL SYSTEM

www.kraupner.cz

Since 1995, we have developed fifteen different varieties of the spike system, which can be applied to the surfaces of almost any shape. We have sold and installed more than 750,000 metres of this system's components. In 2005, as the first Czech producer of protective spike systems for bird control, our company was certified as conforming to the ISO 9001 standard. We are currently the largest supplier of spike-system components in the Czech Republic.

High-quality materials

The basic strip is made of Makrolon® UV stable polycarbonate, and the spikes are made of Swedish brand-name stainless spring steel with a strength of 1950MPa and a diameter of 1.3mm. The high quality of the material used is proven by its long-term resistance to UV radiation; the strip does not become yellow and does not disintegrate, and the spikes remain straight. The aforementioned top-quality materials are a matter-of-course for us, and they are essential for the quality of the product.

Use qualities

The widest components of the spike system have up to 125 spikes per metre. The spacing between the spikes is 40mm. Depending on the variety selected, the Kraupner protective spike system can be installed on surfaces of a width of up to 300mm. As regards broader surfaces, the system can be installed in a number of rows. These qualities make the Kraupner spike system the densest system on the market and, at the same time, make it a system with the greatest effective width.

H114

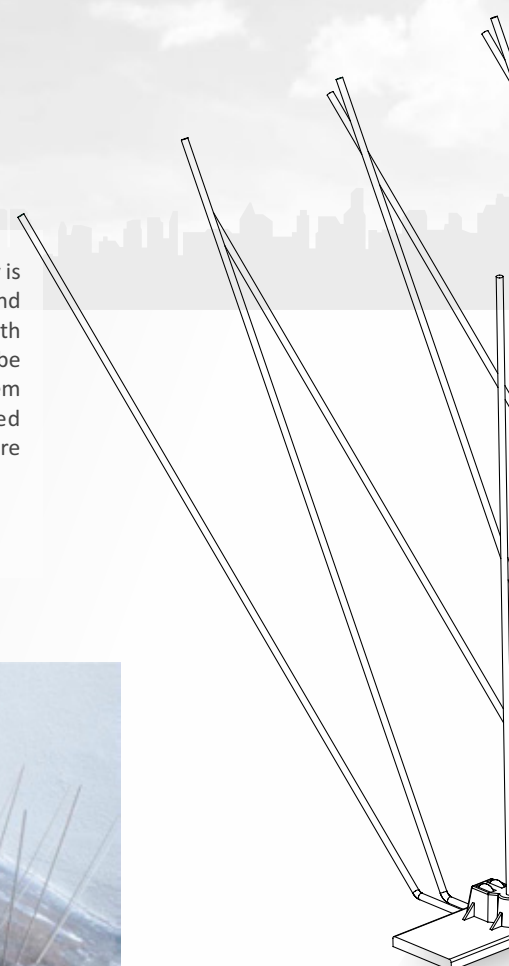


Design quality

State-of-the-art computer controlled technology is used for the production of the basic strips and spikes. We can produce curves of any degree with an accuracy of 0.01mm, and the spikes can be shaped in 3D. When assembling spike system components, we adhere to a well-tested technological procedure. The finished products are subject to quality control.

Discreetness

The Kraupner spike system is designed so as to maintain a high level of discreetness while being highly effective. The number, length, and spacing of the spikes respect both of the aforementioned requirements, and the appearance of the surface onto which the components are installed is only affected in a minimal degree.



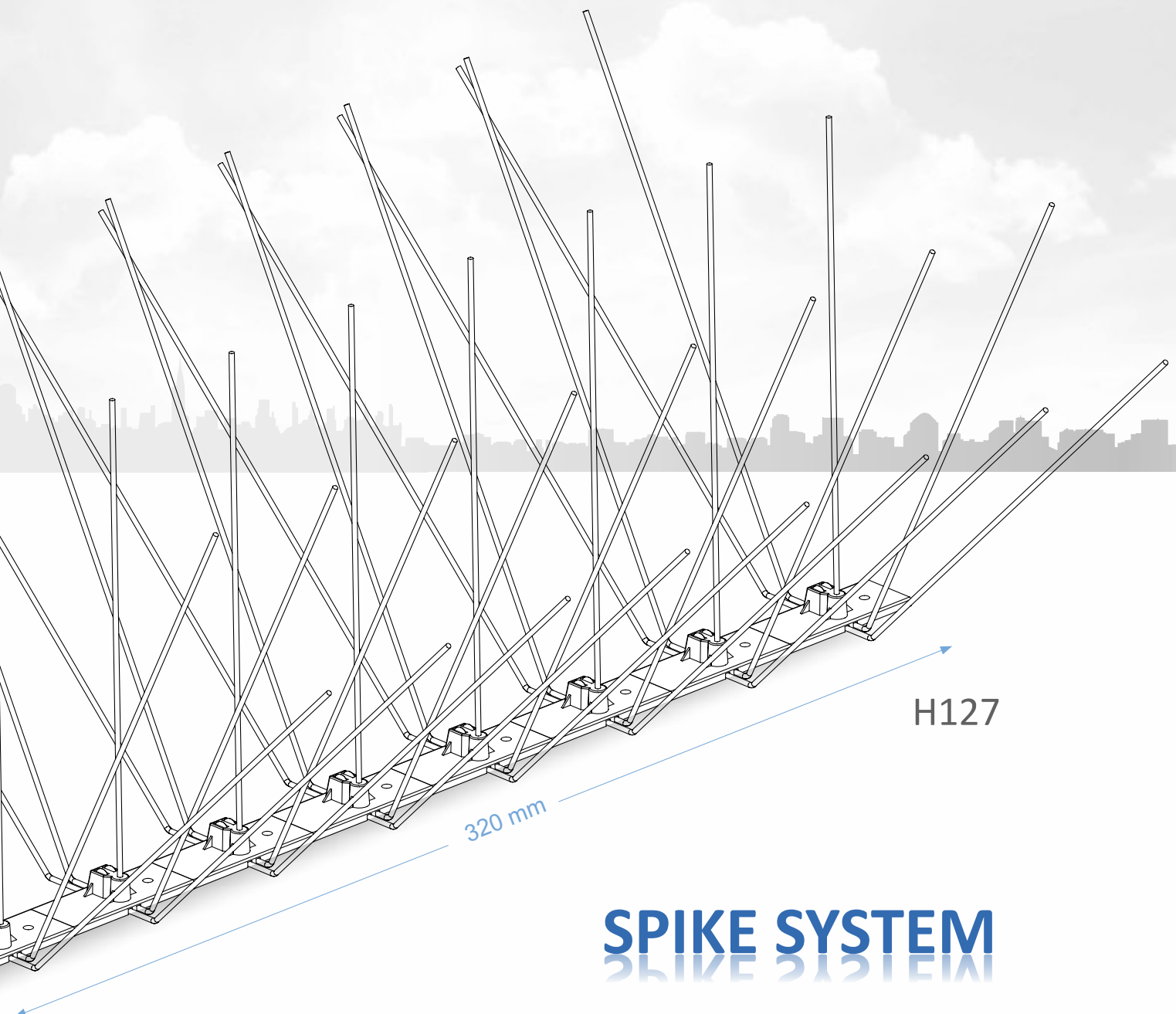
High variability

The Kraupner spike system uses a universal basic plastic strip with 24 fixing slots. Thanks to CNC technology, we can produce infinite numbers of shapes on this basic strip, even in 3D. Thus we can also produce a variety of the spike system outside of our standard product range.



Availability

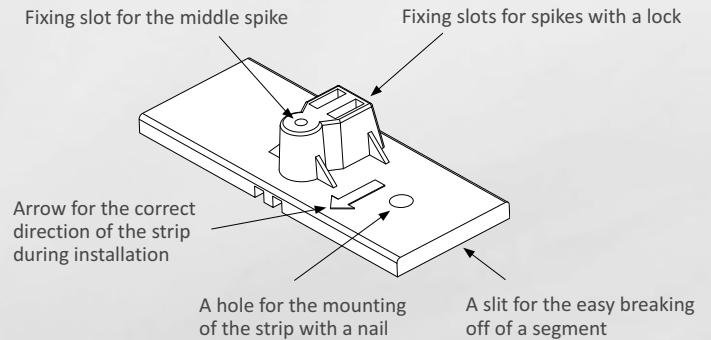
Products are always in stock for our customers in all their varieties. They can be purchased as whole packages and as individual items. Thus we can satisfy orders placed by both large companies and small households. As producers, we are able to respond very flexibly to special and large-volume inquiries.



PARAMETERS OF THE BASIC STRIP



- The same for all systems
- 32 cm long
- Made of eight 4 cm segments
- Can be easily broken off after each segment
- Can be easily shaped
- Can be mounted using glue or nails
- Bears markings for the direction of installation on ledges and window sills



WORKING PROCESS

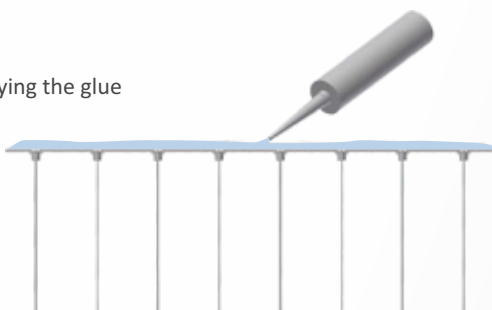
Surface preparation

- The system components are to be installed only on dry and thoroughly cleaned surfaces free from pigeon droppings, grease, and dust at a temperature of 5°C or more.

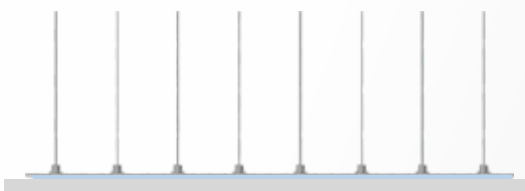
Installation

- The strips are to be placed parallel to the edge of the surface in a row, side by side. For the drainage of water from the area behind the strips, a 5mm gap should be left between the individual strips.
- **Mounting using a silicone glue**
 - For mounting using glue, we recommend Silirub 2® neutral transparent silicone glue by Soudal®.
 - The glue must be applied on the full length of the basic strip.
 - The strip with the silicone applied is to be lightly pressed onto the surface.
 - Then we can check whether the strip is mounted in the required position.
 - The glue sets in 24 hours. After 10 minutes the glue produces a hard shell.
 - One cartridge of the glue can be used to mount 8m to 12m of the spike system, depending on the surface material.
- **Mounting using nails**
 - Nails are to be used for mounting onto wooden surfaces.
 - For the nails, the holes in the basic strips are to be used.

Applying the glue



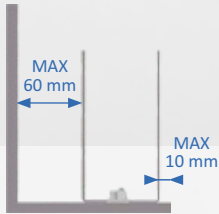
Pressing the strip to the surface



Mounting using nails

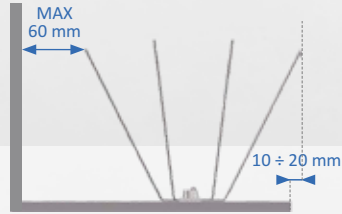


LEDGES AND WINDOW SILLS



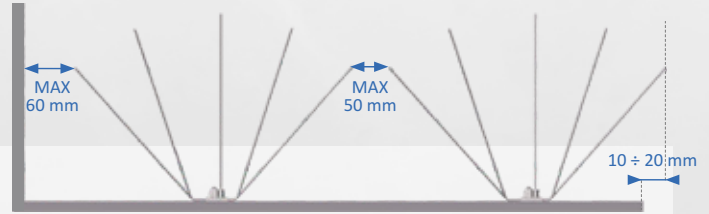
Systems with spikes vertical to the surface

Varieties based on the width of the surface: H111, H111D, H114, H118
The treatment of ledges and window sills from 10 mm to 100 mm



Systems with skew spikes

Varieties based on the width of the surface: H112, H113, H123, H126, H127, H133
The treatment of ledges and window sills from 100 mm to 300 mm



Double-row mounting on surfaces

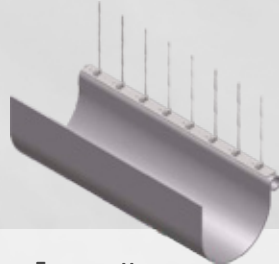
Varieties based on the width of the surface: 2x H123, 2x H126, 2x H127, 2x H133
The treatment of ledges and window sills of a width exceeding 300 mm

EAVES GUTTERS AND SHARP EDGES



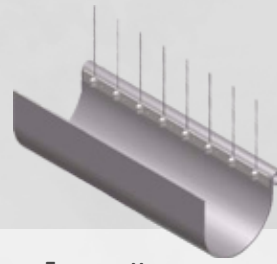
Eaves gutters

H112
The treatment of a heavily used eaves gutter. The H112 system protects the bird landing edge and the area of the gutter.



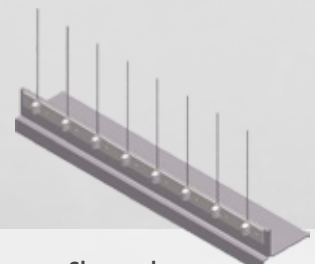
Eaves gutters

H111
The treatment of a lightly used eaves gutter. Enables easier access for cleaning.



Eaves gutters

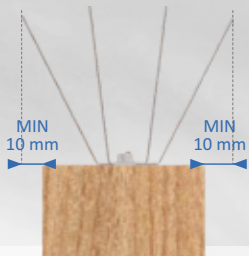
H111V
The treatment of a lightly used eaves gutter with a very narrow bead.



Sharp edges

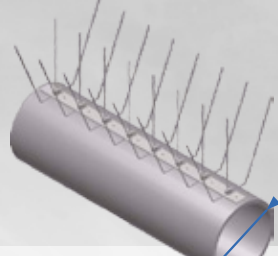
H111V
The treatment of sharp vertical edges.

BEAMS, CYLINDRICAL SURFACES, AND RIDGE TILES



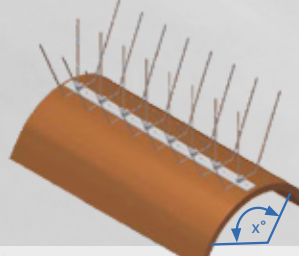
Beams

H113, H123, H126, H127, H133
The treatment of beams, trusses, or wall plates requires spikes overlapping both bird landing edges.



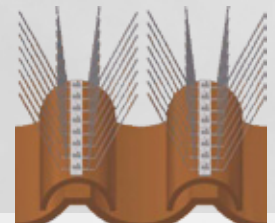
Cylindrical surfaces

A variety based on diameter: H113, H123, H126
Very narrow bead of cylindrical surfaces, eaves conductors, or air-conditioning pipes.



Ridge tiles

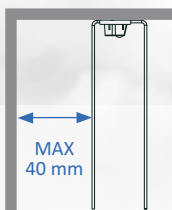
Varieties based on the sharpness of the angle and the width of the ridge: H113, H123, H126
The treatment of roof ridges.



Roofs made of two-piece tiles

Varieties based on span: H113, H123, H126, H127
The treatment of the edges of roofs made of two-piece tiles.

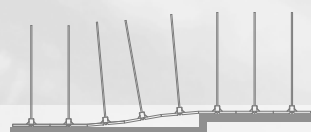
OVERHANGING SURFACES



Overhanging surfaces

H118
The treatment of overhanging surfaces to prevent the nesting of house martins.

SURFACE UNEVENNESS



Minor unevenness

The basic strip can adapt to minor surface unevenness. In the case of major unevenness, each strip can be easily shortened by breaking a piece off, and the mounting of the spike system can continue after the obstacle.



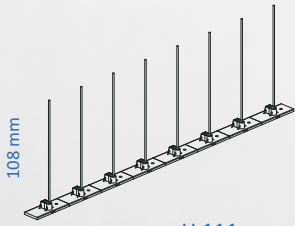
Convex surfaces

Thanks to its flexibility and shape memory, the basic strip can be bent in a way that it enables it to be mounted on convex surfaces. The bending is carried out using scored lines between the individual segments of the basic strip. The level of bending is determined by the radius of the convex surface.



Concave surfaces

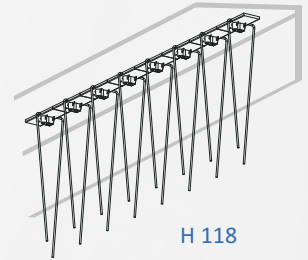
For the treatment of concave surfaces, it is necessary to break the strip into individual segments and place those in a way that the spacing between the tops of the spikes is 30 mm to 40 mm. The breaking is carried out using scored lines between the individual segments of the basic strip.



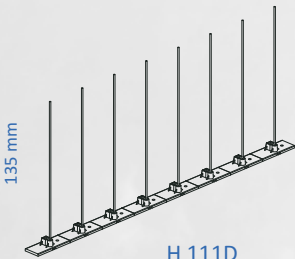
H 111

H 111
 System width: 16 mm
 Spike length: 108 mm
 Number of spikes per 1 running metre of the system: 25 Pcs
 Effective system width: 50 - 100 mm

H 118
 System width: 35 mm
 Spike length: 120 mm
 Number of spikes per 1 running metre of the system: 50 Pcs
 Effective system width: 100 mm
Against the nesting of house martins



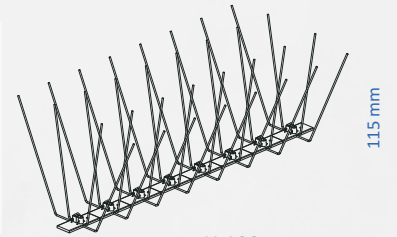
H 118



H 111D

H 111D
 System width: 16 mm
 Spike length: 135 mm
 Number of spikes per 1 running metre of the system: 25 Pcs
 Effective system width: 50 - 100 mm

H 123
 System width: 155 mm
 Spike length: 115 mm
 Number of spikes per 1 running metre of the system: 100 Pcs
 Effective system width: 200 mm



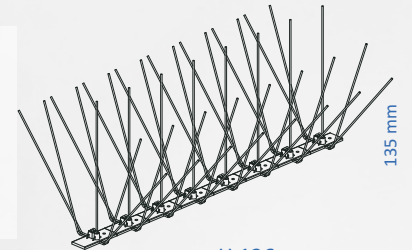
H 123



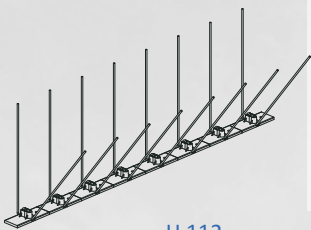
H 111V

H 111V
 System width: 9 mm
 Spike length: 108 mm
 Number of spikes per 1 running metre of the system: 25 Pcs
 Effective system width: 50 mm
Vertical surface for gluing

H 126
 System width: 200 mm
 Spike length: 135 mm
 Number of spikes per 1 running metre of the system: 125 Pcs
 Effective system width: 250 mm



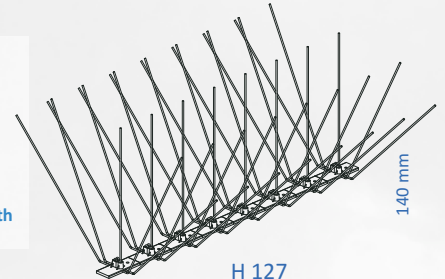
H 126



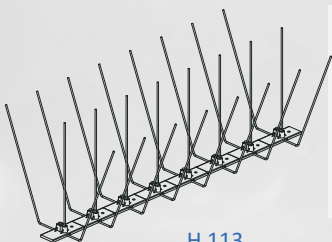
H 112

H 112
 System width: 85 mm
 Spike length: 108 mm
 Number of spikes per 1 running metre of the system: 50 Pcs
 Effective system width: 70 mm
Eaves gutter specials

H 127
 System width: 255 mm
 Spike length: 140 mm
 Number of spikes per 1 running metre of the system: 125 Pcs
 Effective system width: 300 mm
A system with the greatest effective width



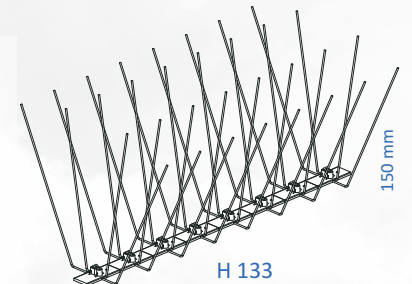
H 127



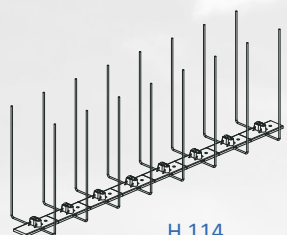
H 113

H 113
 System width: 135 mm
 Spike length: 108 mm
 Number of spikes per 1 running metre of the system: 75 Pcs
 Effective system width: 180 mm

H 133
 System width: 178 mm
 Spike length: 150 mm
 Number of spikes per 1 running metre of the system: 100 Pcs
 Effective system width: 200 mm
Against gulls



H 133



H 114

H 114
 System width: 55 mm
 Spike length: 108 mm
 Number of spikes per 1 running metre of the system: 50 Pcs
 Effective system width: 110 mm

System supplied by:

