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Bird and Nature Conservation Products
for Wild Birds, Bats, Insects, Hedgehogs, Dormice, Squirrels and Amphibians

PRODUCT CATALOGUE

Nesting Aids 84 2026/2027

PRINTED
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Our thanks go to Iris Kubik and Jeannine Buchheim of the Squirrel aid, Eichhörnchenhilfe Stuttgart, who assisted us in the development of the Squirrel Nest.

GARDEN ANIMAL OF THE YEAR 2026

Source: Heinz-Sielmann-Stiftung

Home to nature's climbing artists
Squirrel Nests on p. 66 + 67

Found animals. When does a Squirrel need help?

If a Squirrel is demonstrably in need (injured or orphaned), it may be secured and must be handed over to an experienced body as quickly as possible. We strongly advise against attempts to rear cute Squirrel offspring yourself, as they mostly fail and are luckily also prohibited by law. If young Squirrels seek the proximity of people, they are in need and are not, as often incorrectly assumed, rabid. In Germany, there is not a single known case of a squirrel with rabies. According to the RKI (Robert Koch Institut), Germany has been free from terrestrial rabies since 2008.

If you should find a squirrel that is injured or in need of help, please contact one of the following associations and organisations immediately:

Eichhörnchenhilfe Stuttgart's rescue stations cover the **Stuttgart, Esslingen, Waiblingen, Ludwigsburg** and **Pforzheim** area. Emergency calls are coordinated by the emergency telephone of Eichhörnchenschutz e.V. in Munich:

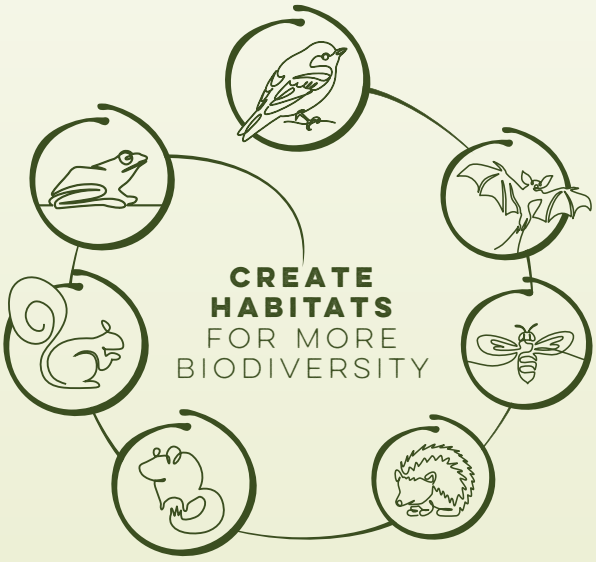
+49 176 55376864

Eichhörnchen Notruf e. V. operates throughout Germany:

+49 700 20020012

CREATE HABITATS WITH SCHWEGLER'S NESTING AIDS.

EVERY NEST BOX CAN HELP TO SAFEGUARD DOMESTIC BIODIVERSITY. FOR ALMOST EIGHT DECADES, SCHWEGLER HAS BEEN "THE" BRAND FOR BIRD AND NATURE CONSERVATION PRODUCTS IN EUROPE.



SCHWEGLER

Keep track of things!

The categories are marked in colour for improved clarity:

BIRD CONSERVATION
Nesting aids for Birds in the garden and forest
Page 8 – 20

BIRD CONSERVATION ON BUILDINGS
Nesting aids for building-nesting Bird species
21 – 41

BAT CONSERATION
Nesting aids for Bats in the garden and forest
42 – 47

BAT CONSERATION ON BUILDINGS
Nesting aids for building-dwelling Bats
48 – 55

INSECTS
Nesting aids for Hymenoptera such as Wild Bees, Bumble Bees, Hornets, Wasps, etc.
56 – 61

HOUSE AND GARDEN
Hedgehogs, Dormice, Squirrels, Amphibians et al.
62 – 71

ACCESSORIES
Various accessories for our conservation products: Ladders, aluminium nails, C-blocks, etc.
72 – 74

FEED AND FEED STATIONS
A large choice of feed items can be found in our separate brochure!

A NATURAL MATERIAL **wood-concrete**

LONG-LASTING + WOODPECKER-RESISTANT + AIR-PERMEABLE + PROVEN

» YOUR ACTIVE CONTRIBUTION TO LIVING NATURE

Dear Customers, our new edition of the nature conservation catalogues is here!

The product range is once again split across two catalogues. The tried-and-tested main catalogue continues to feature our nesting aids, whilst all products relating to feeding wild animals are brought together in a separate catalogue. This clear division makes it easy to find your way around – so you can discover content and products at a glance and browse at your leisure. Naturally, both catalogues are printed on environmentally friendly, climate-neutral recycled paper.

New to our range: our two-part nest mould for swifts on page 37 offers a simple solution for fitting out existing nesting sites. The particular advantage is that the nest mould can be dismantled into two parts, making it easy to insert even into narrow or hard-to-reach nesting chambers. It is only assembled at the installation site, where it forms a stable breeding site and prevents the laid eggs from rolling apart. This makes it easy to improve existing nesting facilities and sustainably promote both the settlement and breeding success of common swifts.

Ever since the publication of our first catalogue in 1948, one issue in particular has been close to our hearts: the ongoing decline in the numbers of many native animal species.

Whilst such developments were for a long time documented primarily through work in nature observation, ornithology and science, the consequences are now clearly evident in everyday life: fewer birds in our gardens, an increase in invasive species and the decline in wild bees – the changes in nature are becoming increasingly apparent. We therefore see it as our duty to play an active role in protecting biodiversity.

Yet the question of how we can support our native wildlife is by no means a new one. Previous generations, too, were concerned with our responsibility towards nature and sought ways to preserve habitats and help wildlife. It was from this idea that, from 1948 onwards, our development of artificial nesting aids gradually began, attracting an ever-growing number of users – today we would call it a 'community' that is constantly getting involved and supporting us on our journey.

What began as a few nesting aids has, over the decades, developed into a key driving force in practical nature conservation. Many ideas that were initially viewed with scepticism are now an integral part of modern nature conservation work. These include, for example, bat roosts since the 1970s, conservation measures for mammals such as hedgehog houses in the 1980s, the targeted promotion of beneficial insects and wild bees in the 1990s, and the increased recognition of buildings as valuable habitats since the start of the new millennium.

Right from the start, our focus has been on developing our own solutions, continuously improving our products and providing expert advice. We do not see ourselves merely as a retailer of third-party products. Rather, we attach great importance to knowing our products down to the last detail, carefully selecting the materials used and communicating the specific characteristics and benefits of our tried-and-tested wood-concrete products.

All wood-concrete is not created equal, it depends on the mixture!

High-quality materials and meticulous craftsmanship are crucial for ensuring high breathability and a balanced indoor climate. Our aim is to provide the animals with suitable and durable housing. We attach great importance to the origin of our materials. We source our wood fibres from selected small and medium-sized sawmills located near our site. Some of our supplier relationships have been in place for generations. In doing so, we are committed to the responsible use of the resources we require. Rather than relocating production abroad, we focus on long-term manufacturing and collaboration with predominantly regional suppliers.

We offer a particularly wide range of nesting aids for different species and requirements.

As well as ensuring that the nesting sites are designed to meet the species' needs, we place particular emphasis on high breathability, ease of cleaning, simple maintenance and the long service life of our products. This also includes our range of spare parts, which can be used to extend the service life of many nesting aids. Our wood-concrete is also suitable for installation in buildings. Its durability and the fact that it can be easily combined with other building materials offer a wide range of applications.

For almost eight decades, our driving force has been the development and manufacture of high-quality nesting boxes and species conservation products.

Be inspired and discover the variety of our current range.

Gunnar and Axel Papenfoth

Finally, please note:
Long delivery periods can occur due to high demand and current geopolitical developments. The price stability of individual products can also be limited – price adjustments at short notice are very probable, particularly for animal feed. We apologise for any inconvenience and thank you for your understanding.

Species List: Which particular type of animal would you like to help?
This list will guide you in choosing from our products.

» CONTENTS

BIRD CONSERVATION

Barn Owl	Tyto alba	25
Barn Swallow	Hirundo rustica	31
Black Kite	Milvus migans	20
Black Redstart	Phoenicurus ochruros	12, 24, 26, 27, 31, 32 37,41
Black Woodpecker	Dryocopus martius	16
Blue Tit	Parus caeruleus	8, 9, 10, 11, 26, 40
Coal Tit	Parus ater	8, 9, 10, 11, 26, 40
Collared Flycatcher	Ficedula albicollis	8, 9, 10, 11
Common Buzzard	Buteo buteo	20
Common Flycatcher	Muscicapa striata	12, 26, 32, 41
Common Swift	Apus apus	25, 33 – 41
Crested Tit	Parus cristatus	8, 9, 10, 11, 26, 40
Dipper	Cinclus cinclus	12, 24
Eagle Owl	Buba bubo	20
Goldeneye	Bucephala clangula	16
Goldeneye	Special models available	
Goosander	Mergus merganser	16
Goosander	Special models available	
Goshawk	Accipiter gentilis	20
Great Spotted Woodpecker	Picoides major	11
Great Tit	Parus major	8, 9, 10, 11, 26, 40
Green Woodpecker	Picus viridis	16
Grey Wagtail	Motacilla cinerea	12
Grey-headed Woodpecker	Picus canus	16
Hobby	Falco subbuteo	20
Honey Buzzard	Pernis apivorus	20
Hoopoe	Upupa epops	16
House Martin	Delichon urbica	28, 29, 30
House Sparrow	Passer domesticus	8, 9, 10, 11, 13 , 26, 27, 37, 40, 63
Jackdaw	Corvus monedula	16, 23, 25
Kestrel	Falco tinnunculus	20, 22, 25
Kingfisher	Alcedo atthis	12, 24, 26, 32, 41
Lesser Spotted Woodpecker	Picoides minor	10, 11
Little Owl	Athene noctua	18, 19
Long-eared Owl	Asio otus	20
Marsh Tit	Parus palustris	8, 9, 10, 11, 26, 40
Middle Spotted Woodpecker	Picoides medius	11
Nuthatch	Sitta europaea	8, 9, 10, 11, 20, 26, 40
Osprey	Pandion haliaetus	20
Peregrine Falcon	Falco peregrinus	20, 21
Pied Flycatcher	Ficedula hypoleuca	8, 9, 10, 11, 26
Pied Wagtail	Motacilla alba	12, 24, 26, 32, 41
Pygmy Owl	Glaucidium passerinum	16
Red Kite	Milvus milvus	20
Redstart	Phoenicurus phoenicurus	8, 9, 10, 11, 13, 26, 37, 40, 63
Robin	Erithacus rubecula	12, 13, 26, 63
Sand Martin	Riparia riparia	24
Short-toed Treecreeper	Certhia brachydactyla	15
Sparrowhawk	Accipiter nisus	20
Starling	Sturnus vulgaris	11
Stock Dove	Columba oenas	16
Tawny Owl	Strix aluco	16, 17
Tengmalm's Owl	Aegolius funereus	16
Tree Sparrow	Passer montanus	8, 9, 10, 11, 13, 26, 37, 40, 63
Treecreeper	Certhia familiaris	15
White Stork	Ciconia ciconia	20
Wren	Troglodytes troglodytes	12, 13, 14, 26, 63
Wryneck	Jynx torquilla	10, 11

MAMMALS

Dormice (Fat, Garden, Forest Dormice, Hazel Dormouse)	68
Bats	42 – 55
Hedgehogs	65
Squirrels	66, 67

INSECTS

Ants	64
Bumble Bees, all species	58
Earwigs	60, 61, 64
Ground Beetles, all species	64
Hornets	59
Insect Snapy	64
Lacewings	61
Ladybirds	60
Masked Hunters	60
Robber Flies	60
Sabre Wasps, all species	56, 57, 60
Spiders (round-web spiders)	62
Thrips	60
Water Dish for Birds and Insects	60
Wild Bees, all species	56, 57, 60

AMPHIBIANS

Amphibian Rescue Fence	69

TECHNICAL AIDS / ACCESSORIES

Aluminium Nails (soft metal nails)	74
Aromatic Repellent	74
Birds Silhouettes	70
Cat Deterrent	71
C-block hanger	73
Lightweight Ladders	72
Nest Box Cleaning Tool	72
Nest Box Hanging Pole	72
Nest Depot	72
Predator-proof Front Panels	74
Raptor Globe for repelling Birds of prey	71
Protection against Raccoons	10
Replacement hangers	73
Replacement nesting chamber insert	74
T-hanger	74

GARDEN DESIGN

Built-in elements for natural walls	62, 63

RECOMMENDATIONS

Selection, distribution, installation of Nest Boxes	7
Useful information about Bats	42

FEED PRODUCTS NOW IN A SEPARATE CATALOGUE!

See separate catalogue with feed products for garden inhabitants

Are nest boxes necessary these days? In our modern world, both private gardens and professional orchards and forests need nest boxes to maintain a sound ecological balance. Nest boxes attract Birds and Bats which help to control pests. Did you realise, for example, that a single pair of Great Tits and their offspring can consume around 70,000 caterpillars and 20 million insects – i.e., pests – annually? Day by day we are changing the natural environment around us for the benefit of human beings but not for the benefit of wildlife. If we are to keep the diversity of species around us, we need to act. One major help is to provide nest boxes and other nesting aids. Another important advantage of nest boxes is that they reduce the need for harmful and expensive pesticides.

Schwegler nest boxes play an important role in controlling Gypsy Moths and Green Oak Leaf Rollers in forests, Codling Moths in orchards and greenflies in private gardens as well as other pests. In this way, we make use of nature's own methods.

Animal species and plants need even greater protection today – nest boxes are one way we can all help.

» WHY ARE SCHWEGLER NESTING BOXES SO SPECIAL?

The most important features of Schwegler nesting boxes:

- They are easy to install, check and clean. Only products which have proved their effectiveness in practice can be relied upon to regularly and consistently attract occupants.
- The patented method used to attach the boxes prevents the tree trunk from growing over them. Tested and recommended for forestry use.
- Our nesting boxes follow the pattern laid down by Mother Nature, i.e. the internal dimensions are based on those of the holes made by woodpeckers or decomposition. They can also be modelled on nesting sites on cliffs or in crevices. Attention is paid not only to the dimensions and shape but also, the surface structure and texture are designed to meet the requirements of the particular species.
- The dimensions of the brood chamber, entrance hole diameter and all the other dimensions of each individual nesting box are determined by the requirements and behaviour of the animals. Scientific studies by numerous Bird observatories and nature conservation organizations in Germany and abroad regularly show that Schwegler wood-concrete nesting boxes enable the greatest density of various types of Birds to be achieved (breeding pairs per hectare).
- Schwegler nesting boxes have proved to be very successful for many decades on account of their long life and the fact that they are readily adopted by Birds. One particularly telling feature is their durability and weather resistance compared with wood, and the ability of the material to withstand the damage caused by woodpeckers. The rounded shape of the nesting boxes ensures that they are ideally suited to the needs of their occupants.
- They are also constructed for convenience and to make them easy to use. Whether built into or hung onto a wall, our products can be relied on to be long lasting and secure in all weathers. We have been making and selling nesting boxes for installation in and on buildings for almost 80 years, and you can benefit from this wealth of experience.
- Schwegler nesting boxes have been developed on the basis of many decades of experience and knowledge obtained through cooperation with national Bird observatories, European nature conservation organizations, forestry experts and ornithologists. They are made with special Schwegler wood-concrete, a natural product containing some 75 % wood with temperature-regulating additives such as clay etc. This is not only high effective for balancing out temperature fluctuations but is also extremely breathable. This prevents condensation from forming, which is frequently a problem in nest boxes made of plastic, stone, rigid foam or concrete.
- Our products have been officially tested, recommended and recognized by, among others, the German National Biological Agency, the German nature conservation association NABU, the Bavarian Regional Association for the Protection of Birds, the German Environmental and Nature Conservation Organization BUND, the German Animal Protection League, the Jordsand Association, the Austrian Nature Conservation Association, the French Association for the Protection of Birds, the Swiss Bird Observatory, the Italian Association for the Protection of Birds, the SEO Spain, NABS in North America, and many other organizations.

Tips for suspension can be found here!

» RECOMMENDATIONS for the selection, distribution, installation of Nest Boxes

The information provided below is based on our practical experience. These recommendations are of course only intended to provide general guidance, and it is also important to consider individual landscapes and/or habitats and the creatures that inhabit them. Sometimes this can be done before drawing up plans (e.g. on the basis of the types of animals to be found there or which require protection, together with the surrounding habitat), or over time, relying on practical experience gained in the area (e.g. which type of box proves most successful). Nature can often produce some surprising and exciting changes, so it is advisable to check the nesting aids from time to time and to make any improvements that may be necessary.

A | Installing nest boxes for small Birds

(e.g. nest boxes 1B, 2M, 2B/N, 1N, 3S, 3SV, 2GR)
As a rule two, different entrance hole sizes are available.

- » ∅ 32 mm is the "universal size", providing access to almost all species of small Birds.
- » ∅ 26 mm only allows access by Tits (Blue, Marsh, Coal and Crested Tits), while large species such as Great Tits, Nuthatches and Sparrows are kept out.
- » Special sizes e.g. ∅ 45 mm for particular species such as larger Starlings. Smaller species can, however, also use the nesting boxes if necessary.

In fenced green spaces, woodland plantations, thickets, gardens etc., the boxes can be suspended at eye height (1.2 to 2 m) so that they can be easily checked and cleaned from the ground. In woodlands and cultivated areas it is preferable to hang them higher to minimize interference and disturbance. As a rule, nest boxes are hung at heights of between 2.8 and 3.5 m in such areas, enabling them to be easily reached from a ladder. The maximum height at which boxes can be hung can be determined by the surrounding trees, and should not exceed the tops of these trees. There can be exceptions, however, especially in towns, where the height limit need not apply to the buildings in which certain species nest (Swifts, Sparrows, Bats), and can far exceed 15 m. **Please do not put any nest material or litter in the boxes because small Birds always build new nests.**

B | Number of nest boxes per hectare and distribution of boxes

The number of nest boxes is always dependent on the particular habitat. If nesting places are restricted in a garden a box can be hung from every other tree. No minimum distance applies to Birds, and two pairs of Tits can nest immediately adjacent to each other on the same tree without any problems. This is because the Birds themselves regulate the distance between them according to the time of year and availability of food. Depending on the age and type of tree and the basic available food ("pest infestation"), between 1 and 40 nest boxes can be installed per hectare (= 100 x 100 m) in woodlands.

If no previous data is available, the types of nest box and entrance hole widths can be distributed as follows:

- » 60 % of nest boxes with 32 mm or oval entrance hole.
- » 20 % with 26 or 27 mm diameter entrance hole
- » 20 % should consist of holes for treecreepers, or for species that nest in recesses or cavities (see Types 2B, 2BN, 2H, 2HW, 1N).

Please note: It is not necessary for all the boxes to be occupied by Birds raising their young because many of them will also serve as overnight quarters or as a depot for food. Only when around 60 to 70 per cent of boxes are occupied by nesting Birds for a number of years in succession will the ideal saturation point have been reached.

C | General details about installing nest boxes

Orientation: Ideally, the entrance hole should face east or south-east. However, in locations sheltered from the weather (such as under roof overhangs), this orientation is not strictly necessary. For larger entrance holes (45 mm and above), ensure that the entrance is positioned away from the elements. Furthermore, the nesting cavity should not be exposed to the full force of the afternoon sun.

Cleaning: Cleaning should be carried out after the breeding season, between mid-September and the end of October. It is sufficient to remove the old nest and sweep out the nesting box with a brush. Chemical cleaning products must not be used. If the box is very dirty or infested with parasites, it can also be rinsed out with hot water. Allow the nesting box to dry out completely before hanging it up again.

Method of attachment: Schwegler nest boxes which are intended to be attached to trees (mostly recognizable by their colour, brown or black) are supplied with a special forestry-approved Aluminium Nail which, unlike copper or steel, does not harm trees. Neither does it damage saw blades or chainsaws, thus preventing injury. Its smooth shaft and rust resistance mean that it can be removed even after several years, leaving only a slight, round scar in the wood. Hammer aluminium nails into tree trunks only up to two thirds of the nail length, so that the tree can grow. Pull the nail out a bit roughly every five years. Nest boxes can be removed and re-hung at any time without requiring removal of the nail. As a rule, heavier nest boxes (see D) are supplied with a built-in block so that they can be hung up using several Aluminium Nails, and they can also be re-hung or removed without removing the nails.

Unintended occupants: Our landscapes have been cleared and cultivated to such an extent that there is now a severe shortage of habitats, with the result that nest boxes may be occupied by species for which they were not intended, such as Bumble Bees, Wasps, Wild Bees, Hornets and various types of Dormice. They also need protection, so leave them undisturbed in the nest boxes. In such cases you should put up special Schwegler nest boxes which have been designed specifically for these creatures.

New nest boxes: Ideally, these should be put up in the autumn, to provide night quarters for Birds during the winter months. Such protection against draughts and cold is an even more important factor than food in helping them to survive a hard winter.

D | Larger nest boxes for Owls, Stock Doves, Kestrels, etc.

(e.g. Box No. 4, No. 5, No. 28, No. 29, No. 30, 1WK, 2CM)

Hang at a recommended height of around 4 to 6 m. They will be more readily adopted if a thick layer of shavings or sawdust is spread in the pre-formed recess in the base (not for jackdaws). For Stock Doves and for Tengmalm's and Tawny Owls it is advisable to hang up one or two nest boxes over a 50 hectare area. This is the minimum number and there will usually be keen competition for them in the spring. Increasing the density of nest boxes will improve the prospects of preventing the spread of insect pests.

E | Installation of Bat Boxes

The installation and maintenance of special Bat Boxes are described in detail on page 42 in the chapter on Bats.

F | Nesting aids on buildings (nesting blocks etc.)

Different recommendations often apply in the case of Birds and Bats that nest on buildings. Please note:
consult the relevant product description. Especially in the case of Swifts and Bats more height, in excess of 5 m, should be allowed, as well as unobstructed access without any ledges immediately below the box.

▲ Blue Tit

▲ Marsh Tit

also available in brown, white, red and green (please add colour to Order No.)

The internal diameter of this nest box is 12 cm. It is usually attached to a tree using the Aluminium Nail (see **Fig. 1**). It can also be hung from a branch (see **Fig. 2**). See also installation examples, Catalogue page 73. The front panels, which can be bought separately, are interchangeable between model 1B, 2M and 2F, and can easily be removed from the nest box. Different size entrance hole widths have been created to avoid competition between the birds.
The Nest Boxes are always delivered complete with Hanger and special Aluminium Nail.
Product alternatively available with front panel for protection against Martens, product No. see price list.

» NEST BOX 1B

Available entrance hole sizes: ∅ 32 mm, ∅ 26 mm and oval 29 x 55 mm.

▲ **Fig. 1:** on the trunk, using Aluminium Nail

▲ **Fig 2:** from a branch

▲ clutch of Great Tit eggs

▲ clutch of Blue Tit eggs

» Entrance hole 32 mm

Occupants: Great, Blue, Marsh, Coal and Crested Tits, Redstarts, Nuthatches, Collard and Pied Fly-catchers, Tree and House Sparrows.

Entrance hole	Order No.
Type 1B, ∅ 32 mm	**00 102/3**

» Entrance hole 26 mm

Occupants: Blue, Marsh, Coal and Crested Tits (small tit species). All other species are prevented from using the nest box due to this smaller entrance hole.

Entrance hole	Order No.
Type 1B, ∅ 26 mm	**00 105/4**

» Entrance hole oval (29 x 55)

Occupants: Redstarts.
Also used by species that nest in the ∅ 32 mm boxes. However, because more light enters the brood chamber, it is preferred by Redstarts.

Entrance hole	Order No.
Type 1B, oval 29 x 55 mm	**00 108/5**

Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
External dimensions: W 17 x H 26 x D 18 cm.
Internal Diameter: ∅ 12 cm.
Weight: approx. 3.6 kg.
Includes: Nest box, hanger and aluminium nail.

Please see the optional "C-Block hanger" on page 73.

Useful suspension tips can be found on page 7!

▲ Great Tit

▲ Collared Flycatcher

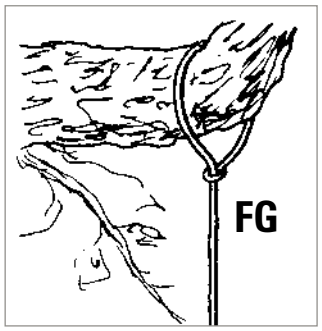
also available in brown, white, red and green (please add colour to Order No.)

Like the 1B, this box also has a brood chamber with an internal diameter of 12 cm. **It differs, however, in that it can be freely suspended and has a conical roof.** These features protect against Cats and Deter Martens. It is very popular in private gardens and especially around fruit trees, mainly in areas where the trees are short and have many branches.
As with all Schwegler boxes, an advantage is that the front panels are easy to replace and are available as a separate component. The front panels of products 1B and 2M are interchangeable, depending on the frequency of the individual bird species and the customary entrance hole sizes.
The 2M is supplied with the ordered hanger. With the FT Hanger the 2M is supplied with all the necessary attachments and three Aluminium Nails. Product alternatively available with front panel for protection against Martens, product No. see price list.

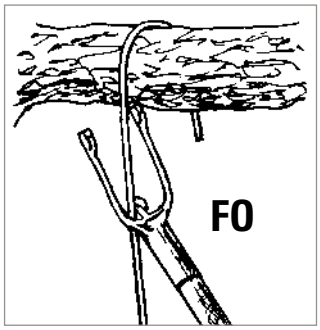
» NEST BOX 2M Free-hanging, to protect against Cats and deter Martens

Available entrance hole sizes: ⌀ 32 mm, ⌀ 26 mm and oval 29 x 55 mm.

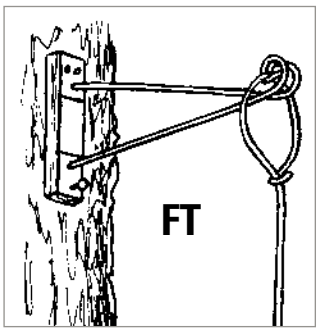
▲ clutch of Redstart eggs



▲ closed loop



▲ open hook



▲ FT Hanger

The Nest Box 2M is available with 3 different hanging methods. Please choose the appropriate method using the corresponding order numbers.

Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Ext. dim.: W 16 x H 35 x D 17 cm.
Interior nesting chamber: ⌀ 12 cm.
Weight: approx. 3.7 kg.
Occupants: as Nest Box 1B.
Includes: Nest box with hanger.

The **FG** Hanger suspends the 2M from a branch by a closed loop.

Available with FG Hanger:

Type/Hanger, Entrance hole	Order No.
2M FG, ⌀ 32 mm	00 111/5
2M FG, ⌀ 26 mm	00 114/6
2M FG, oval, 29 x 55 mm	00 117/7

The **FO** Hanger is hooked over a branch. Our **Hanging Pole,** Order No. 00 510/6, makes it easy to remove the box for cleaning and checking (see page 72).

Available with FO Hanger:

type/hanging method/entrance hole	Order No.
2M FO, ⌀ 32 mm	00 112/2
2M FO, ⌀ 26 mm	00 115/3
2M FO, oval, 29 x 55 mm	00 118/4

This method, with a bracket to hold the box away from the tree and the **FG** type loop, is known as the FT Hanger. It can be attached to the trunk and offers even better protection against Cats, Dormice and Martens.

Available with FT Hanger:

type/hanging method/entrance hole	Order No.
2M FT, ⌀ 32 mm	00 113/9
2M FT, ⌀ 26 mm	00 116/0
2M FT, oval, 29 x 55 mm	00 119/1

The design of this nest box and its front panel provides effective protection against Cats and Martens. With its choice of oval or three-hole entrance, the nesting chamber is well lit despite its size. Because of the entering light, the nest is built very low down at the rear of the box, away from the reach of predators. The front panel, with its integrated protection against Cats and Martens, can be easily removed for inspection, providing an unobstructed view of the nest. With its enlarged brood chamber and predator protection, the 2GR is widely used in parks and woodlands. A common feature of monocultures is the prevalence of attack by insects and other pests; the 2GR helps by encouraging a higher breeding success by Birds that eat pests. An additional recess suitable for Bats has been created inside the roof space. In areas with Raccoons we recommend our development: 2GR-WBS with Raccoon Protection.

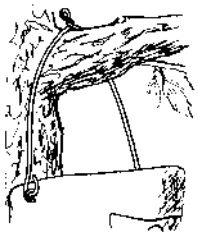
» NEST BOX 2GR DBP (patented) | with protection against predators

Available entrance hole sizes: oval 30 x 45 mm, three hole ⌀ 27 mm.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
External dimensions: W 20 x H 31 x D 27 cm.
Enlarged interior of nesting chamber: W 14 x D 19 cm.
Weight: approx. 6.7 kg.
Includes: Nest box, hanger and aluminium nail.

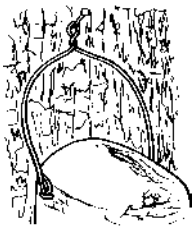
▲ integrated predator protection

▲ Redstart

▲ Bat recess



▲ Suspension over a branch



▲ on trunk

» Oval entrance hole 30 x 45 mm

Occupants: Coal, Blue, Marsh, Great and Crested Tit, Redstarts, Huthatches, Collards and Pied Flycatchers, Wrynecks, Tree and House Sparrows, Bats.

Entrance hole	Order No.
3 x ⌀ 27 mm	00 221/1

▲ oval

» Three-hole entrance, ⌀ 27 mm each

Occupants: Blue, Marsh, Great and Crested Tits. Due to the small size of the entrance hole no other species is able to occupy this nest box.

Entrance hole	Order No.
Oval 30 x 45 mm	00 218/1

▲ three hole

» Nest Remover

Additional products for Nest Box 2GR. Push the inspection board carefully under the nest for inspection or cleaning purposes. The nest can now be easily pulled out of the nest box 2GR, without having to touch it with your hand.
Material: Aluminium.

Description	Order No.
The Nest Remover	00 225/9

▲ the Nest Remover is only for use with the **2GR** Nest Box

» NEST BOX 2GR-WBS with protection against racoons

Raccoons overcome most protective measures and endanger bird hatching. The tested protection against raccoons can be ordered as a Complete Set with Nest Box or as a Retrofit Kit for 2GR nest boxes. With this protection, a largely safe breeding place can be created, protected against raccoons and other nest predators.
For further info visit www.schweglershop.de

Description	Order No.
2GR-WBS **complete**	00 219/8
WBS **Retrofit Kit**	00 838/1

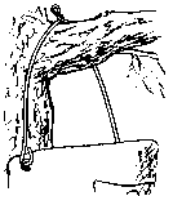
▲ Great tit at 2GR-WBS

Starlings are often seen as a problem at certain times of the year and in particular regions. They are highly adaptable, feed in flocks and can soon use up readily available sources of food. However, we should not forget the ecological benefits that they provide as an important form of pest control. For example, they limit the numbers of Crane Flies, Green Oak Leaf Rollers and Gypsy Moths. We supply two well-proven types of nest box, both of which are just as likely to provide overnight shelter for Great Spotted, Middle Spotted and Lesser Spotted Woodpeckers. When there are fewer Starlings, other species such as Pied Flycatchers and Nuthatches may breed in these boxes. Because of the relatively large entrance hole, the interior is well lit which encourages occupation. Ornithologists advise that a perch below the entrance hole is unnecessary because the Birds will happily use the roof of the box.

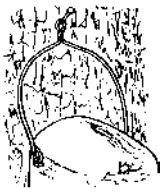
» STARLING BOX 3S

▲ Starling

▲ clutch of Starling eggs



▲ alternatively hanging over a branch



▲ on the trunk

» Nest Box 3S
Entrance hole: ⌀ 45 mm.
External dimension:
W 19 x H 28 x D 20 cm.
Interior nesting chamber: ⌀ 14 cm.

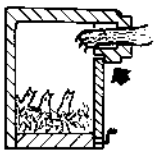
This nest box has more or less become established as the standard at home and abroad over several decades. On houses, in gardens and in woodlands they form an important part of any nature conservation concept. They have many advantages including the large diameter of the brood chamber, 14 cm, and a large entrance hole to make the interior very light, and as a result not only Starlings but many other species are attracted to them. Because the large entrance hole only provides limited protection, if there are a large number of predators robbing nests in the surrounding area some of the 3SV versions (see below) can also be used.
Occupants: Starlings, Nuthatches (will reduce the entrance hole to 32 mm), Spotted and Middle Spotted Woodpeckers, Pied Flycatchers, etc.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Weight: approx. 4.4 kg. **Includes:** Nest box, hanger and aluminium nail.

Entrance hole	Order No.
⌀ 45 mm	**00 162/7**

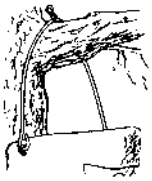
» NEST BOX 3SV with integrated predator protection

▲ Starling

▲ Wryneck; nestlings form a heat pyramid.



▲ integrated predator protection



▲ attached to trunk, over a branch, or on buildings

The predator-proof "Starling Box", in which the brood chamber has also been enlarged to 14 cm. With its protruding entrance hole this model provides very good protection against Cats and Martens. However, the view into the brood chamber is not obscured, and this is a major advantage when checking and cleaning the box. With its smaller diameter entrance hole the 3SV nest box has proved very effective for other species too. For example its large interior brood chamber and the shape of the floor make it very popular with Wrynecks (see table below).

» Nest Box 3SV
Entrance hole: ⌀ 45 mm, oval 32 x 45 mm and ⌀ 34 mm.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Ext. dim.: W 19 x H 28 x D 23 cm.
Interior nesting chamber: ⌀ 14 cm.
Weight: approx. 4.8 kg.
Includes: Nest box, hanger and aluminium nail.

» Entrance hole ⌀ 45 mm
Specially for Starlings. It is also suitable for the species listed at the side. However, they will be ejected if there are Starlings in the vicinity.

Entrance hole	Order No.
⌀ 45 mm	**00 126/9**

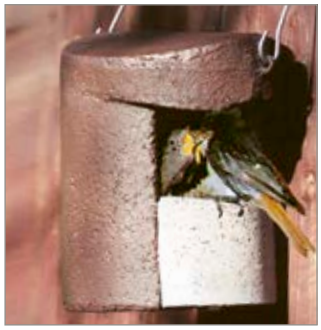
» Entrance hole ⌀ 34 mm
Especially for Wrynecks.
Other occupants: Coal, Blue, Marsh, Great and Crested Tits, Redstarts, Nuthatches, Collared and Pied Flycatchers, Tree and House Sparrows, Bats.

Entrance hole	Order No.
⌀ 34 mm	**00 122/1**

» Oval entrance hole width 32 x 45 mm
Suitable for: As for entrance hole width 34 mm; use of this larger entrance hole is recommended if it is hung up in less well lit areas such as hollows, thickets, etc.

Entrance hole	Order No.
oval 32 x 45 mm	**00 125/2**

Our nature conservation programme contains various models for Birds that nest in cavities or recesses. They are particularly suitable for species that prefer an open, balcony-type entrance area, e.g. Redstarts and Robins. The wide, open access to the clutch and the nestlings that is a feature of this type of box means that such species are often under threat from predators. Due to the large access to the breeding chamber, however, the clutch and brood of these species are often threatened by predators. The advantage of all open-fronted and niche nesting boxes is that they can be attached to buildings, as for protection reasons, these bird species prefer to nest on houses, sheds etc. The predator-proof, open-ended box 2HW or 1N helps to prevent such attacks and unprotected installation on trees can then be recommended.


▲ Open-fronted Nest Box 2H

▲ Spotted Flycatcher (feeding)

▲ clutch of Black Redstart eggs

▲ nesting chamber insert for **Types 2HW** and **1N**

» OPEN FRONTED NEST BOX NEST BOX 2H

Occupants: Black Redstarts, Pied Wagtails, Grey Spotted Flycatchers, occasionally Robins and Wrens.
External dimensions: W 15 x H 20 x D 20 cm.
Interior of nesting chamber: ∅ 12 cm.
This traditional type has proved to be highly effective. It should always be installed on the outside walls of houses, barns, garden sheds, etc. It is designed to be hung so that the entrance is on the side.
Please do not hang this type of box on a tree or bush because small predators can enter through the unprotected opening. If hung in the right place this open-fronted type will attract the species of Birds referred to above. This model has been successfully used for decades.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Includes: Nest box, hanger and aluminium nail.
Weight: approx. 2.5 kg.
Order No. 00 152/8

▲ view of Black Redstart in nesting chamber (front panel removed)

» OPEN FRONTED NEST BOX NEST BOX 2HW

Occupants: Black Redstart, Pied Wagtail, Grey Spotted Flycatcher, occasionally Robin and Wren.
External dimensions: W 20 x H 20 x D 30 cm.
Nesting chamber: 15 x 21 cm.
Secure against Magpies and Jays (with nesting chamber insert).
This particularly deep box can be hung up on an open site or against outside walls.
A wooden insert, which can be removed for inspection and cleaning purposes, gives protection against predators because nesting takes place at the far end of the box. The design of the 2HW also ensures quick occupation when hung in relatively dark places due to the wide entrance. It can also be used to attract Dippers and Grey Wagtails provided that the wooden insert is removed. The ideal location for Dippers and Grey Wagtails is near to natural running water and under bridges.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Includes: Nest box, brood chamber insert, hanger and aluminium nail.
Weight: approx. 5.1 kg.
Order No. 00 157/3

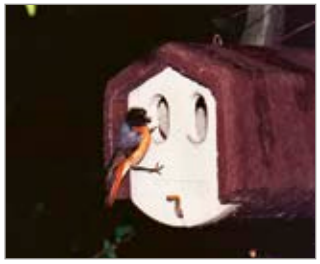
▲ Tree Sparrow

▲ Redstart

Birds which nest in recesses or cavities are at risk where there are large numbers of Magpies, Jays, Cats and Martens. The 1N has two entrances and a removable wooden insert (see picture below) and offers excellent protection. With two entrances the interior is well lit and Birds will readily use it. In areas where there are many small predators it is equally as popular as models 2H and 2HW.

Special case: Robins are particularly attracted to this type of box, especially if it is placed approx. 1.0 to 1.5 m above the ground, preferably in a moist, shady area. The wooden insert, which can be removed for inspection and cleaning purposes, gives protection against predators because nesting takes place at the far end of the box. It is particularly effective against Cats, Martens, Magpies and Jays and therefore makes an effective contribution to breeding success.

Exception: Where there is a shortage of suitable nesting areas in parks and forests, this type of box will also be successfully used by all types of Tits, Tree and House Sparrows and many other species.



▲ Redstart ♂

▲ Redstart ♀

» DEEP NEST BOX 1N

▲ Deep Nest Box 1N

The 1N box for cavity and recess dwellers offers the perfect protection against predators.
The twin entrance hole design ensures that the built-in protection against small predators is particularly effective. Because the inside of the box is well lit, the Birds that use it nest at the rear of the brood chamber insert, making this type of box secure against Magpies, Cats, Martens and Jays. Another advantage of the brood chamber insert is that the parents can effectively feed their young from the area in front.
Nest Box 1N is supplied with insert.

Occupants: Common and Black Redstarts, Robins, Wrens, Tree and House Sparrows.
External dimensions: W 20 x H 20 x D 30 cm.
Nesting chamber: W 15 x D 21 cm.
Entrance hole: 30 x 50 mm (twin).
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Includes: Nest box, brood chamber insert, hanger and aluminium nail.
Weight: approx. 5.6 kg.
Order No. 00 158/0

▲ Nesting chamber insert for **Types 2HW** and **1N**

Brood chamber insert as replacement part:
Order No. 00 826/8

▲ »Ivy version – green

▲ »Ivy version – green

▲ »Autumn Light version – red

▲ Wren in 1ZA (Photo A. Speen)

The Wren is a familiar sight. This plain little fellow is instantly recognisable from his loud, warbling call which is delivered from an exposed position, although the young are hidden out of sight in (semi-)shadow, in hedges or behind a screen of ivy. The male Wren usually builds several nests. The female then chooses the one she considers the best and lays between five and eight tiny eggs. In view of this characteristic breeding behaviour it is advisable to hang up several 1ZA Boxes.

» SPHERICAL WREN HOUSE 1ZA registered design

Distribution: Wrens are found virtually all over the world, being indigenous to Europe, North America, Asia and North Africa. It is a so-called sedentary species, spending the winter among us. However, part of the population is known to migrate.
Feeding habits: Wrens feed exclusively on small creatures. Their favourite food is spiders, crane flies, moths, flies and other insects, along with their eggs and larvae. They use their pointed beak to probe cracks and crevices. Consequently Wrens are very useful as a form of natural pest control.
This special nesting aid: The spherical Schwegler 1ZA Wren House is an ideal way of assisting the Birds to raise their young successfully. Because we tend to keep our gardens tidy, they offer fewer natural nesting opportunities. Extensive investigations have shown that Wrens prefer an enclosed, round nest hole. These are then lined with moss, feathers and fur, etc. The 1ZA, made of tried and tested Schwegler wood-concrete, provides excellent protection from nest predators. It not only houses Wrens when bringing up their young but also provides a place where they can sleep in the winter.
Materials used: Schwegler wood-concrete is a unique weather-resistant, long-lasting material which is also "breathable", which means it prevents condensation. It is hung up using the integrated wire rope made of stainless steel which can be easily looped over a sawn-off branch, for example.
Siting: Wrens like to nest near the ground, in a 'green wilderness' and in undergrowth. They are not particularly good flyers, preferring to hop about in the undergrowth. They like shady places – in hedges, thickets, heavily overgrown areas and bushes as well as balconies.

Attachment: Hang the nest box in undergrowth, in a shady place. It can also be built into a pile of brushwood. If hung completely free, it will also attract other types of Birds that nest in holes and cavities, including Blue Tits, Coal Tits and Great Tits, as well as Tree and House Sparrows.
Cleaning and checking: We recommend that you do not carry out any checks between April and June in order to avoid disturbing the brood. The nest box, which comprises two shells, should therefore ideally be cleaned during the autumn or winter months. To do this, remove the cable from which it is suspended. The upper shell can be easily lifted off the lower one. When cleaning has been completed simply place the two halves together again and secure using the cable.

Includes: Spherical Wren House with wire rope.
Dimensions: diameter of sphere approx. 18.5 cm.
Entrance hole: 30 x 27 mm.
Cable length: approx. 20 cm.
Weight: approx. 2 kg.
Available in individual gift package (carton).

Available in two colours:
With its speckled green exterior the "Ivy" colour blends well with the surrounding undergrowth, thereby providing a well-hidden nest site.
» 1ZA Ivy – green **Order No. 00 200/6**

The "Autumn Light" natural red colour visually enhances your garden in the winter months. Once the leaves have fallen from the bushes this invaluable nesting aid becomes clearly visible and forms a focal point during the cold, grey months of the year.
» 1ZA Autumn Light – red **Order No. 00 201/3**

▲ Treecreepers are well camouflaged

▲ pair of Treecreepers

▲ breeding Treecreeper

▲ Foraging on the tree trunk, this consists mainly of insects and spiders

There are two types of Treecreeper in Europe: the species known simply as the **Treecreeper**, and the **Short-toed Treecreeper**. They are very difficult to tell apart although experts can distinguish them by their calls or by slight differences in the colouring of their feathers.
Both species prefer a nest box that allows contact inside with a tree trunk that has a coarse type of bark, such as oak, alder, poplar, pine, pear or apple trees. For this reason the Treecreeper boxes are open at the rear (the tree side). With their pointed beaks the Birds can search among the cracks in the bark for spiders and insects such as Beetles. The entrances, on both sides, provide excellent protection against Cats and Martens.
The nest boxes should be hung on trunks with a diameter of between 25 and 30 cm. Depending on regional conditions, there may be differences in the rate of occupancy between the 2B and 2BN. We therefore recommend that you begin by using the same number of both types. After one or two breeding seasons it will be apparent which type is most popular in a particular area. These nest boxes are naturally also supplied complete with the necessary hangers and special aluminium nails.

» TREECREEPER BOX 2B

This Treecreeper Box is supplied with a removable front panel for simple inspection and cleaning purposes.
The interior can therefore be checked very quickly. The nest box is attached to the tree trunk using two flexible oak mounting blocks and Aluminium Nails. This ensures that it is firmly held in place and allowance is made for the continued growth of the tree trunk. Suitable tree diameter approx. 25 – 30 cm, to ensure that the Nest Box fits well against the trunk.
Material: Schwegler wood-concrete Nest Box.
External dimensions: approx. W 22 x H 26 x D 15 cm.
Nesting chamber: approx. 8 x 12 cm.
Supplied: Nest Box, two mounting blocks, two aluminum nails.
Weight: approx. 2.7 kg.
Order No. 00 141/2

» TREECREEPER BOX 2BN registered design

This type of box has a brood chamber with a slightly reduced depth and greater height compared to the Type 2B, and no cleaning flap. The box is placed on the Aluminium Nail supplied, which is hammered halfway in, and wire is also used to attach the box to the trunk. This flexible system largely makes allowance for further growth of the trunk, but should be checked every few years. It is cleaned by folding it out to the side or by removing the box from the tree trunk. Including lip seal, which presses into the rough bark of the tree on which the box is fixed to largely prevent water from penetrating the box.
External dimensions: approx. W 22 x H 35 x D 10 cm.
Nesting chamber: approx. 6.5 x 11 cm.
Scope of delivery: Nest Box, Aluminum Nail, wire for fixing.
Weight: approx. 1.5 kg.
Order No. 00 143/6

Alternatively available with special entrance hole, e.g. for Goldeneyes and Goosanders

Useful suspension tips can be found on page 7 (D)

▲ **Fig. 1:** Owl Box No. 4 with Protective Front Panel

▲ Stock Dove in No. 4

▲ Tengmalm's Owl in No. 4

▲ Squirrel Nest in No. 4

▲ Tawny Owl chicks in No. 5

▲ Goldeneye in No. 5 – Special front plate

Owl boxes are installed in parks and forests, not only to promote the diversity of species but also as a means of controlling the Mouse population. The Owl Boxes No. 4 and No. 5 are intended as a substitute for the large holes made by woodpeckers in old trees. These are often taken over by other types of animals, such as Squirrels. Woodpeckers occasionally use these nest boxes as an overnight roost, but each year they will drill out a new hole in a tree to lay their eggs and raise their young.

▲ **Fig. 2:** Owl Box No. 4

» OWL BOX No. 4 DBP

The front panel of the box can be removed for inspection and cleaning purposes. Birds can be encouraged to use the box if a thick layer of wood shavings or sawdust is spread over the recess in the floor.
Suitable for: Tengmalm's Owls, Stock Doves, Jackdaws, Pygmy Owls and Hoopoes, occasionally Squirrels. Black, Green and Grey Woodpeckers will sometimes spend the night in these boxes too.
Interior of brood chamber: ∅ 20 cm. **Entrance hole:** 80 x 90 mm. **Installation height:** 4 to 6 m.
Ext. dim.: ∅ 25 x H 44 cm. **Weight:** approx. 9.3 kg. **Includes:** Nest box, hanger, mounting block, aluminium nails.

» Box No. 4 without predator protection (see Fig. 1) **Order No. 00 171/9**

» Box No. 4 with Protective Front Panel (see Fig. 3) **Order No. 00 183/2**
Completely with Protective Front Panel (coated metal guard) to deter Martens. The wood-concrete front panel has additional holes in which the guard is screw fixed. Supplied unassembled. **Weight:** approx. 10.3 kg.

» Protective Front Panel for Box No. 4 (for retrofitting and as a replacement) **Order No. 00 186/3**
For description, see Box No. 5 below.

» Stock Dove Drain Set for No. 4 (please order in addition to No. 4) **Order No. 00 185/6**
The moisture, especially that produced by Stock Dove droppings, can be drained away through a floor grille. Stock Doves do not remove the droppings of their young. Depending on the number of young birds, several centimetres of droppings can accumulate. The Drainage Kit therefore ensures optimum Stock Dove breeding.

▲ **Fig. 3:** Owl Box No. 5

» OWL BOX No. 5

As with Box No. 4, the front panel can be removed for inspection. Here, too, the floor should be covered by a layer of sawdust or similar material.
Suitable for: Tawny Owls, Stock Doves, Jackdaws, and in some areas, Goosanders and Goldeneyes too. For the latter two species we can supply specially adapted nest boxes and special front panels for the No. 5 to attract Goldeneyes and Goosanders. Please let us know your requirements!
Interior of nesting chamber: ∅ 20 cm. **Entrance hole:** 110 x 120 mm. **Installation height:** 4 to 6 m.
Ext. dim.: ∅ 25 x H 44 cm. **Weight:** approx. 9.2 kg. **Includes:** Nest box, hanger, mounting block, aluminium nails.

» Owl Box No. 5 without predator protection (see Fig. 3) **Order No. 00 181/8**

» Owl Box No. 5 with Protective Front Panel (similar to Fig. 1) **Order No. 00 184/9**
Complete with Protective Front Panel (coated metal guard) to deter Martens. The wood-concrete front panel has additional holes to which the guard is screw-fixed. Supplied unassembled. **Weight:** approx. 10.2 kg.

» Protective Front Panel for Box No. 5 (without box, for conversion and replacement) **Order No. 00 187/0**
Complete front panel with protection against Martens made of metal sheet for Box No. 5 (fits models made from 1980). Replacement is only supplied as a complete kit (front panel and metal sheet) to ensure accurate fitting, as the wood-concrete front panels have to have precisely positioned drillholes made in the factory in order to connect them with the sheet metal guard. On request we also make extra large sheet metal guards to increase the protective effect still further in some areas.

The Tawny Owl (Strix aluco) is a native bird species and a member of the Owl family. Its average size is approx. 40 cm and it weighs between 500 and 600 grams. The females are somewhat larger and heavier than the males. They can be identified by their grey-brown, bark-coloured plumage. The large head of the silent hunter sits on a stout body. Its friendly appearance is thanks to its large round eyes in the framed light-coloured facial disc and the highly curved yellowish beak. It is a resident bird and stays almost its whole life long in the same territory. The life cycle can be up to 15 years. The Tawny Owl is sexually mature with one year and the mating season begins in the autumn. Once a pair have found each other, it mostly stays together their whole life long. The pair has an annual breed, from February to April, depending on the weather, with two to six eggs. They are only brooded by the female and the blind young hatch out after approx. 30 days. A freshly hatched Tawny Owl weighs only around 28 grams. After four to five weeks, the young birds leave the nest. These so-called "branchers" then continue to be fed by both parents for around five weeks. The food spectrum consists of Mice, Rats, Frogs, Earthworms and small mammals. At the age of five months there is hardly any difference in plumage between the old and young and the wing-span is then in its fully-grown state of approx. 100 cm. Only half the young birds survive the first year. Its German name "Waldkauz" (small forest owl) indicates its original habitat. It is most comfortable in open deciduous forests and mixed woodlands. If it can't find a suitable tree hollow as a daytime hideaway or breeding cavity, it also accepts quiet places on buildings, barns, rocky ground and eagerly welcomes species-appropriate nest boxes and elongated breeding enclosures. But as natural and suitable breeding places become ever more scarce, this Owl species increasingly suffers from housing shortage. Monotonous forests (with small ratio of deadwood), parks and young managed forests in particular do not – or only conditionally – provide suitable breeding ground and daytime hideaways for the Tawny Owl.
Installation: It is advisable to install one to two nest boxes in an area of approx. 50 ha. Choose a shaded spot and do not hang the cave in direct sunlight. The entrance should face away from the weather
Natural enemies: Hawks, Eagle Owls or disease and hunger.
Important note: Do not install in the territories of Eurasian Pigmy Owls, Boreal Owls and Little Owls. Small Owls must not be displaced by the installation of Tawny Owl nesting aids.

» TAWNY OWL BOX No. 30

Material: Schwegler wood-concrete Nest Box.
Hanger: steel, galvanised.
Siting: forests, buildings, rock faces, etc.
Installation height: from 4 m to 6 m.
Entrance hole size: approx. 12 x 12 cm.
External dimensions:
W 33 x H 36 x D 45 cm.
Brood chamber inside:
W 30 x H 34 x D 30 cm.
Weight: approx. 14 kg.
Includes: Nest Box, hanger, two hanging blocks, aluminium nails and bedding.
Order No. 00 253/2

Tawny Owl brood,
Photo: © Dietmar Sänger ▼

» TAWNY OWL BOX 1WK with inclination angle | DBP (patented)

▲ 1WK with bracket for fixing on a tree trunk

▲ Installation **on** or **under** a branch using a perforated strip

Siting: Forests, parks, cemeteries, etc.
Installation height: from 4 to 6 m. **Entrance hole size:** 12 x 12 cm.
Ext. dimensions: ⌀ 31 cm x 83 cm. **Int. dimensions:** ⌀ 26.5 cm x 56 cm.
Weight: approx. 18 kg.
Cleaning and inspection: Through cleaning flap at the rear of the box.
Includes: Nest box including tree trunk and branch fixing (perforated strip, fixing bracket and two hanging blocks), odour to repel Martens and aluminium nails and bedding.
Order No. 00 249/5

The **Owl Box No. 5** is also suitable for the Tawny Owl.

The **Little Owl,** just 22 cm in length, is in acute danger of extinction. Its main habitats are gardens, small orchards or meadows containing white willows. Depending on the season, it lives mainly on Insects such as Crickets, as well as Woodlice and Mice. It frequently fails to colonise an area because of the lack of suitable nesting sites. Help is now at hand with the Schwegler Little Owl Boxes of which there are four different types. Ornithologists recommend always hanging a minimum of three boxes immediately adjacent to one another since the Birds will use one or more to store food and young Birds will use them as shelter. Such measures will considerably improve the survival prospects for this species.

Schwegler Little Owl Boxes:
Material: All the boxes have an aperture for inspection and cleaning purposes. They are made of a ring of wood or wood-concrete (depending on the model) surrounded by wooden battens and roofing felt.
Bedding: Coarse sawdust or wood shavings and a mixture of sand and sawdust are ideal as bedding.
Each of the four Little Owl Boxes is supplied with detailed description and maintenance instructions, and the Aluminium Nails needed to attach it to a branch.
Delivery: Together with flexible metal fixing strips and Aluminium Nails.
Assembly: The boxes should be placed on a horizontal branch of a fruit tree or in white willows, with the entrance hole facing the trunk. This discourages interference by passers-by and also makes it easier for the Birds to fly in and out. The Type No. 22 box is additionally suitable for mounting on trees without horizontal branches.

» LITTLE OWL BOX No. 20 without predator protection

▲ Little Owl (nesting)

Classic Little Owl Box without predator protection. Supplied with clamping band and Aluminium Nails for fixing onto horizontal branches. Cleaning and inspection through the cleaning flap at the rear of the box.
External shape: round, approx. ⌀ 23 cm.
Length: 83 cm.
Interior of brood chamber: ⌀ 18 cm.
Width of entrance hole: ⌀ 65 mm.
Weight: approx. 7.4 kg.
Order No. 00 240/2

» LITTLE OWL BOX No. 20A with protection against Martens

▲ clutch of Little Owl eggs

Little Owl Box with predator protection against Martens by two staggered internal entrance holes. Supplied with clamping band and Aluminium Nails for fixing onto horizontal branches. Inspection and cleaning through separate inspection flap on the opposite side of the entrance.
External shape: round, approx. ⌀ 23 cm.
Length: 83 cm.
Interior of brood chamber: ⌀ 18 cm.
Width of entrance hole: ⌀ 65 mm.
Weight: approx. 7.6 kg.
Order No. 00 241/9

▲ cutaway drawing

» LITTLE OWL BOX No. 20B with protection against Martens and forced ventilation

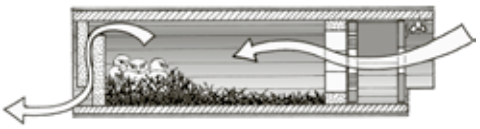
This innovative nesting box has been developed on the basis of our other Little Owl Boxes which have been very successfully used for many decades. Also, this designed is very popular with Little Owls as well as human users due to large, removable entrance section (good access e.g. during inspection, ringing, etc.). Supplied with clamping band and Aluminium Nails for fixing onto horizontal branches.

External shape: round. **Length:** 83 cm. **Interior of brood chamber:** ⌀ 18 cm.
Width of entrance hole: ⌀ 65 mm. **Weight:** approx. 8 kg.
Order No. 00 247/1

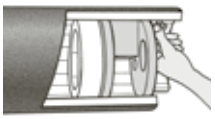
ADVANTAGES:

1. Protection against Martens: Martens are prevented from entering this box by the two offset entrance holes.

2. Forced ventilation: The unique, forced ventilation system which is built into the end of the box enables stale air to be replaced without causing a draught (Fig. 2). This system also ensures that no light can enter the box. The amount of droppings and the resulting moisture, which can otherwise adversely affect the successful survival of the brood, is substantially reduced.



3. Cleaning and inspection: The entrance section can be completely removed, making it easier to clean and inspect the box from the front.



» LITTLE OWL BOX No. 21 with protection against Martens and drainage

▲ sectional view: Type No. 21

▲ Little Owl pellets

Little Owl tube with a labyrinth to protect against Martens. The rectangular shape enables a drainage grille to be installed as a more effective way of removing moisture. A flap at the rear of the tube, opposite the entrance, is provided for cleaning and for inspection. Two opposing internal entrance holes give protection against Martens. Supplied with clamping band and Aluminium Nails for fixing onto horizontal branches.
External shape: rectangular. **Length:** 83 cm.
Interior of brood chamber: 20 x 20 cm.
Width of entrance hole: ⌀ 65 mm.
Weight: approx. 12.9 kg. **Order No. 00 242/6**

» LITTLE OWL BOX No. 22 with predator protection by aromatic repellent

▼ young Little Owls

Little Owl tube for installation on trees without any suitable horizontal branches (three-point mounting). Delivery includes flexible metal fixing strips, telescopic tube and aromatic repellent.
External shape: triangular.
Dimensions: W 28 x H 23 x L 93 cm.
External shape: quadrant shape (r = 16 cm).
Entrance hole: ⌀ 65 mm.
Weight: approx. 9 kg.
Order No. 00 243/3

This model has five special features:

1. Quadrant shape for enlarged floor space
2. The design of the two sides of the roof provides an air gap running along the entire ridge which is very important for providing ventilation.
3. One side of the roof can be removed to provide easy access for inspection and cleaning.
4. A telescopic, galvanized steel rod is ideal for level mounting on trees which, because of their size or lack of horizontal branches (e.g., a pear tree), would normally be unsuitable for Little Owl Boxes.
5. Martens are repelled by aromatic repellent.

» NUTHATCH BOX 5KL for parks and forests

▲ feeding Nuthatch

▲ clutch of Nuthatch eggs

Nuthatches prefer to occupy larger boxes like the No. 4 and 5 Owl Boxes, because of their larger internal diameter, rather than alternatively available smaller nest boxes. They fill the large entrance hole with clay and damp soil until it matches their required width of ∅ 32 mm, thus preventing larger Birds from gaining access. To overcome this, the 5KL has been designed specifically for this uniquely agile species. No sawdust or other similar material need to be placed inside because the Nuthatch, in common with all other small Birds, will construct its own nest.

It is advisable to hang the Nuthatch Box 5KL in parks and forests in direct proximity to the Owl Boxes No. 4 + 5. If there are no Owl Boxes available in the immediate vicinity, the oval Nest Box 2GR on page 10 can be used as an alternative. The Nuthatch usually occupies the larger available cavity. Litter (bedding) is not required. The Nuthatch builds its own nest from pieces of bark. As with all small Birds, it is not necessary to insert material. Shortened version of Owl Box No. 4 + 5 with modified entrance hole size (see page 16).
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
External dimensions: ∅ 25 x H 30 cm.
Interior of nesting chamber: ∅ 20 cm.
Width of entrance hole: ∅ 32 mm.
Weight: approx. 8.4 kg.
Includes: Nest box, hanger with mounting block and aluminium nails.
Order No. 00 182/5

In the garden the **2GR oval Nest Box** (page 10) is advisable for the Nuthatch.

» NESTING BASKETS Material: European Willow

▲ Long-eared Owl

The diameter and shape of the first two Nesting Baskets for Raptors and Owls match those of the natural nests of Crows, Magpies and certain Raptors. The baskets are attached (by wire) to the forks of trees and have proved highly successful. Birds of Prey and Owls tend to use the same nests and eyries for many years.

The smaller Nesting Basket is supplied with a mulch of mixed tree bark. This should be thoroughly dampened, spread around the basket and pressed in with the palm of the hand. The only changes are made by the Birds themselves each year when they add small branches and twigs to reline the nest. The same process can be applied to the large nesting basket if desired using local materials.

▲ example of fixing

▲ Nesting basket for White Storks

» Size ∅ 40 cm
Suitable for: Long-eared Owl, Kestrel, Hobby. Occasionally Peregrines too, in areas where they nest in trees.
Height above ground: 5 m and above.
Sites: Edges of woodland, clearings, areas cleared by windfalls, parks and fruit trees etc.
Bedding included.
Order No. 00 244/0

» Size ∅ 70 cm
Suitable for: Common and Honey Buzzard, Red and Black Kite, Goshawk, Sparrow Hawk and Eagle Owl.
Height above ground: 7 m and above.
Sites: Edges of woodland, in woodlands, clearings, areas cleared by windfalls, parks and fruit trees etc.
Delivery without bedding.
Order No. 00 245/7

» Size ∅ 110 cm
Suitable for: White Stork, Osprey. With a flat base to encourage colonization and to assist in increasing the numbers of White Storks in their traditional nesting areas.
Delivery without bedding.
Order No. 00 246/4

The Peregrine Falcon, an impressive globetrotter. This species of Bird is found almost everywhere around the world: with the exception of a few isolated areas, it breeds across almost the whole of Europe. The Peregrine Falcon (lat. falco peregrinus) is capable of very fast flight, and is noted for the speed which it attains when diving to catch its prey, which can reach 200 kph in short bursts. Like all Birds of Prey the female is much larger and heavier than the male. In Europe this Bird almost became extinct due to the effect all kinds of chemicals in the environment, poaching, the spread of sporting activities and many other factors. Stricter nature conservation measures have aided recovery but it still remains at risk. The breeding habits of these Birds in Europe are both unusual and fascinating. For example, in Central and Southern Europe they are found exclusively on rock faces, cliffs and buildings, while they also breed in trees in Eastern and Northeastern Europe.

▲ Peregrine Falcon Nest Box on the Berlin town hall

How can we help? Peregrine Falcons are a popular sight in our towns and cities. Because their diet consists almost entirely of Birds they help to keep the numbers of feral Pigeons in check, making them the most natural and cheapest method of controlling the numbers of these Birds. Unfortunately, as a result of building renovation and/or the construction of new buildings with their relatively smooth façades and roofs, it is becoming increasingly difficult for Peregrines to find suitably sheltered spaces. The creation and installation of artificial nesting aids has proved very useful in this respect. These boxes have been developed as a result of experiments carried out over many years, and with the biological knowledge that has been gained about their breeding requirements.

The main features are:
» the provision of a spacious, protected and securely attached breeding space for these Birds of Prey.
» a robust and long-lasting structure that requires little maintenance.

» PEREGRINE FALCON NEST BOX

The spacious interior offers the Birds plenty of room in which to create a nesting site, and in particular the young have enough space to exercise and develop their flight muscles. The built-in "balcony" makes it easier for the Birds to leave and return to the box. A perch is also included, and this is important because the young Birds are prone to falling out of the nest site. Webcams can be installed inside the box for monitoring or observation purposes.

Method of installation / suitable sites: E.g. in quarries or on high buildings such as towers, silos, high rise buildings, highway bridges (for example on or around the abutments).
Installation height: Generally in heights above 25 – 30 m. North- or east-facing sites have proved to be most effective. The "balcony" with its perch should be placed so that there is a clear area directly below. The box can be attached directly to a building using screws (e.g. on flat roof sections) or, by means of a mounting rack and wall plugs, onto an outside wall.

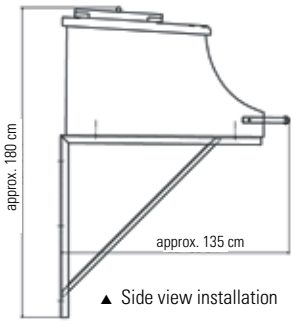
Recommended litter/ bedding: Place some gravel or other loose material in the box. Peregrines do not construct nests, instead the female scrapes a hollow in which to hatch the eggs. The breeding period starts any time between mid-March and the beginning of April.
Material: Special, high-strength, reinforced lightweight concrete. This ensures that the box is very long-lasting (decades) and allows a proper and structurally correct manner of installation. The naturally grey, smooth concrete can be painted individually during installation to match the building, if required.
External dimensions:
W 80 x H 73 x D 130 cm
Nesting chamber: W 67 x H 54 x D 72 cm.
Weight: approx. 260 kg (empty box).
Includes: Box with integrated drainage holes, removable inspection flap, perch.
Order No. 00 305/8

▲ Peregrine Falcon Nest Box with optional Mounting rack

» OPTIONAL ACCESSORY: MOUNTING RACK

For installing the box on walls. The fixings between the box and the bracket are supplied. The attachment and fixings between the bracket/wall must be arranged in accordance with the particular site and obtained separately. The bracket is provided with 6 holes on the wall side. Detailed layout and dimensions for planning of installation are available on request.

Material: welded and zinc-plated steel construction.
Dimensions: Mounting rack with attached Nest Box approx. W 80 x H 180 x D 135 cm.
Weight: approx. 65 kg.
Order No. 00 308/9



▲ Side view installation

The Kestrel is a Bird of Prey that seeks its food on the ground. Farmers and foresters welcome it because of its preference for Field Mice which, together with other types of mice, account for 80 or even 90 per cent of its diet. Kestrels are very localized. The kestrel is a fairly adaptable species and has successfully colonized the human habitat as a cultural successor.

» NEST BOX No. 28 FOR KESTRELS

▲ fixed to the wall with hooks

This nesting aid, which has been used to great effect for decades, can be easily and flexibly attached to almost any surface using the strap supplied (e.g. with screw-in hooks, cable ties, clamps etc.)
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Bedding: To encourage the Birds to adopt the box a mixture of coarse sawdust, wood shavings and washed sand should be moistened and placed inside.
Height above ground: Best 6 to 8 m (minimum installation height: 2.5 to 3 m).
Siting: On solitary trees, quiet places on the edge of woodlands, barns in open countryside, electricity masts, silos, wind generators, etc. The following sites are recommended in urban areas: large buildings, high walls, chimneys, industrial buildings, churches, etc. In the absence of trees the boxes can be installed on high poles to assist the Birds in their hunt for mice.
Entrance hole: Facing south-east or away from the prevailing wind. Alternatively under rafters, in recesses on historic buildings, in gaps in masonry, etc.
External dimensions: W 33 x H 36 x D 45 cm.
Interior of nesting chamber: W 30 x H 34 x D 30 cm.
Width of entrance: 17 x 24 cm.
Weight: approx. 13 kg.
Includes: Nest box, hanger, hook and bedding.
Order No. 00 251/8

Kestrels in No. 28
(Photos: © NABU Frankfurt)

» KESTREL NEST BOX 2TF Registered design

Based on our Kestrel Nest Box No. 28, which has proven itself over decades, a modern version has been developed especially for use on buildings. Apart from the ornithological needs of the animals, attention was paid to proper, technically perfect attachment to the building. Thanks to the curved shape and light-grey colour, the nesting aid does not constitute a visual foreign body on the building but instead integrates harmoniously on the structure. Thank to the large entrance, the Kestrel Box 2TF can be cleaned and inspected conveniently from time to time or if necessary. To accelerate settlement by Kestrels, we recommend placing a mixture of moist, coarse sawdust, wood shavings and washed sand in the Nest Box.

Material: Weather-resistant Schwegler wood-concrete, stainless steel X-bracket.
Installation: at least 6 – 8 m installation height, on the external walls of buildings, walls, chimneys, industrial plants. A mounting surface at least 30 cm wide is required. Distance between the nest boxes at least 400 m (depending on the feed available).
External dimensions: W 47 x H 37 x D 46 cm (including perch).
Internal dimensions: W 30 x H 35 x D 31 cm (less taper).
Colour: light grey.
Weight: approx. 17 kg.
Includes: Nest Box, perch, X-bracket, screws, universal wall plugs (check on site whether the supplied screws are suitable for the substrate), locking screw, installation instructions.
Order No. 00 255/6

Nest Boxes 2TF and 2CM are fixed onto the building wall with an X-bracket made of stainless steel. To this end, the X-bracket is screwed onto the wall with four screws (and wall plugs if necessary) and the Next Box is hung on the retaining hooks and secured with an additional locking screw. Alternatively, both the 2TF and the 2CM can also be installed in niches, on projections or on flat roofs without the X-bracket.

Jackdaws are another endangered species. They live in colonies, and therefore several Nest Boxes should be installed in the same area or on a building, for example on residential buildings, facades, churches, silos, industrial buildings, etc. Suitable jackdaw roosts should be provided, especially when renovating old buildings and making structural changes. The jackdaw, a medium-sized corvid, is very social and forms breeding colonies under suitable conditions.

» JACKDAW NEST BOX No. 29

The front panel, containing the entrance hole, can be removed for cleaning and inspection. The screws used for attachment have been designed to withstand the Jackdaw's tendency to "play" with things.

Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Siting: Residential buildings, external walls, churches, silos, industrial buildings, etc.
Height above ground: min. 6 – 8 m.
Entrance hole size: Jackdaw ⌀ 8 cm. Approx. 1 to 2 m distance between nest boxes is advisable.
External dimensions: W 33 x H 36 x D 45 cm.
Brood chamber: W 30 x H 34 x D 30 cm.
Weight approx.: 13.5 kg.
Includes: Nest box, hanger and hook.
Order No. 00 252/5

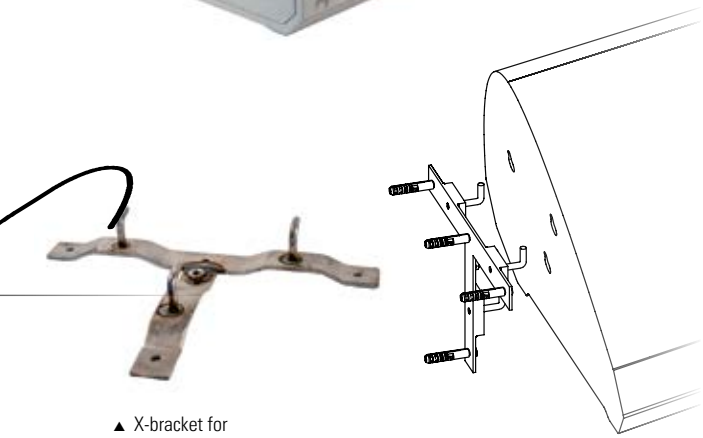
Photo: © Marco Sommerfeld

▲ installation example on a power pole

» JACKDAW NEST BOX 2CM Registered design

Based on the Jackdaw Nest Box No. 29, which has proven itself over decades, a more modern version has been developed especially for use on buildings. The front panel of Jackdaw Box 2CM can be removed completely by undoing the side wing screws. Because the screws are positioned to the side, away from the entrance, it is not possible for the Jackdaws to open the box.

Material: Weather-resistant Schwegler wood-concrete, stainless steel X-bracket.
Installation: at least 6 – 8 m installation height, on the external walls of buildings, walls, chimneys, industrial plants. A mounting surface at least 30 cm wide is required.
Distance between the nesting boxes: 1 – 2 m.
External dimensions: W 50 x H 37 x D 42 cm
Internal dimensions: W 30 x H 35 x D 31 cm (less taper).
Colour: light grey.
Weight: approx. 21 kg.
Includes: Nest Box, perch, X-bracket, screws, universal wall plugs (check on site whether the supplied screws are suitable for the substrate), locking screw, installation instructions.
Order No. 00 256/3



▲ X-bracket for 2TF and 2CM

» DIPPER AND PIED WAGTAIL NEST BOX No. 19

▲ example of installation

▲ Dipper

Dipper Nest Box No. 19 is very popular for securing existing stocks or restoration of streams, etc. As it is secure against small predators, hatching successes are significantly better than in natural nest location.

Occupants: Dipper and Pied and Grey Wagtails, around buildings also Black Redstarts.
Fixing: The brackets are adjustable and easy to install, using screws or bolts.
Cleaning: Because Dipper nests are usually infested with parasites it is advisable to clean the nest box after the breeding season (i.e., from August onwards).
Material: Plant fibre and wood-concrete (100 % asbestos-free).
Siting: Under bridges and on vertical walls which are directly adjacent to natural, moving water which should be relatively clean. The No. 19 should always be installed at least 0.5 m above the high water line. Practical experience has shown that the box should always be placed above deeper, flowing water, because Dippers tend to dive into the water if danger threatens. For the Pied Wagtail, the No. 19 can also be used in wetlands.
External dimensions: approx. W 19 x H 19 x D 37 cm.
Internal dimensions: 18 x 18 cm.
Weight: approx. 4.7 kg.
Includes: Nest Box, fixing bracket (without screws).
Order No. 00 620/2

» KINGFISHER AND SAND MARTIN NEST TUNNEL

In nature it is well-known that Kingfishers and Sand Martins often re-use older nest tunnels. This type of nest tunnel has been used successfully for decades.

Nest tunnels are advisable where Kingfishers and Sand Martins cannot dig the tunnels themselves. This is the case under the following circumstances:

» in case of very stony, steep walls.
» in extremely rooted escarpments.
» in quay walls.
» in man-made tipped or similarly erected steep walls.

▲ Kingfisher

▲ young in the nesting chamber

▲ artificially created embankment

Material: Air-permeable and long-lasting lightweight concrete, designed for underground installation.
Design: The floor of both the Nest Box and Tunnel have a fine mesh grid to keep out Rodents. The nesting chamber is protected with a removable lid for cleaning.
Kingfisher nesting habits: This "flying" jewel tends to use two different tunnels or tubes for its first and second brood. It is therefore advisable to put two Nest Tunnels in the same steep slope, keeping them at least 70 cm apart.
Sand Martin nesting habits: Colonies of never less than 12 breeding pairs of Sand Martins congregate on natural moving water or on naturally formed cliffs, as well as in gravel and clay pits. The Nest Tunnel is supplied with detailed installation and maintenance instructions.
External dimensions of tunnel: W 12.5 x H 15 x L 58 cm.
Outer nesting chamber: W 26 x H 17 x L 26 cm.
Inner nesting chamber: W 22 x H 14 x L 22 cm.
Weight: approx. 10 kg.
Includes: 2 parts: nesting chamber and tunnel.
Order No. 00 640/0

» BARN OWL NEST BOX No. 23 also suitable for Kestrels

Height above ground:
At least 6 to 8 m.
Ext. dim.: H 50 x W 100 x D 50 cm.
Size of entrance: 14 x 19 cm.
Weight: approx. 26 kg.

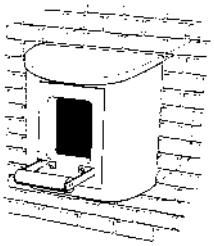
Barn Owls prefer cultivated areas and always live and breed in proximity to humans. Not only Kestrels but Barn Owls, too, are important natural predators of Field Mice, Water Voles and Rats. The Barn Owl Nest Box is designed exclusively for installation inside the building, which ensures very good acceptance.
Material: Water-resistant chipboard made without the use of formaldehyde.
Bedding: Encourage Birds to use the box by forming a base with tree bark and coarse wood shavings.
Siting: The box should not be placed completely in the open but attached to the inside walls of buildings, using screws and plugs. There is a large flap at the rear for inspection and cleaning purposes. It is important to keep an access hole through the external wall clear in front of the entrance to the box. Ideal for all kinds of buildings such as barns, industrial buildings, church towers, etc.
Occupants: Barn Owl, Kestrel.
Order No. 00 250/1

▲ Barn Owls in No. 23

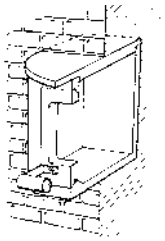
» BUILT-IN MULTI-SYSTEM (MAIN CAVITY)

The Multi-System can be installed in all types of buildings, whether constructed of concrete, brick or timber.

▲ Kestrel model (Main Cavity and front panel Kestrel)



▲ Built into an external wall (Kestrel model)



▲ Cross section showing ideal installation depth

Examples include: Bridges, industrial buildings, house facades, church towers, sheds and much more; i. e. in structures of all kinds. Once the foundation stone has been fixed, it is decided - by using the respective front wall - which bird species is to be supported.
Installation depth: Ideally the Main Cavity is set 24 cm into the wall.
Density: Since Jackdaws and Swifts breed in colonies, it is advisable to place a number of Multi-System Boxes in close proximity to one another. Kestrels, on the other hand, do not seek the company of their own species when nesting. However, they will happily nest among colonies of Jackdaws and Swifts. One or two Multi-System Boxes on a building or bridge will suffice for Kestrels, while a virtually unlimited number can be set up for the other two species.

Siting: Do not install below a height of 5 to 6 m. Take care to choose the side of the building that is not exposed to prevailing winds.
Cleaning: The front panels can be easily removed for access. However, cleaning is not essential, which is an important factor when installing on inaccessible places such as bridges, cooling towers, etc.
Material: Schwegler wood-concrete.
Dimensions: W 44.5 x H 41.5 x D 41.5 cm.
Weight: Main cavity approx. 32 kg (without front panel).

→ The Main Cavity should be ordered with one of the front panels listed below
Order No. 00 290/7 (Main Cavity only without front panel)

» Kestrel model

Siting, installation and nest bedding:
see Kestrels Box No. 28 on page 22.
Includes perch.
Material: Schwegler wood-concrete.
Dimensions: W 24 x H 31.5 x D 19 cm.
Entrance hole: W 16 x H 21 cm.
Weight: approx. 2 kg.
Order No. 00 295/2 (front panel only)

» Jackdaw model

Siting, installation and nest bedding:
see Jackdaw Box No. 29 on page 23.
Material: Schwegler wood-concrete.
Dimensions: W 24 cm x H 31.5 x D 5.5 cm.
Entrance hole: ⌀ 8 cm.
Weight: approx. 3.5 kg.
Order No. 00 296/9 (front panel only)

» Common Swift model

Siting, installation and nest bedding:
see Swift Boxes on page 33. A dividing panel supplied is used to create two separate nesting chambers.
Material: Schwegler wood-concrete.
Dimensions: W 24 cm x H 31.5 x D 5.5 cm.
Entrance holes: W 6 x H 3 cm (each).
Weight: approx. 4 kg.
Order No. 00 297/6 (front panel only)

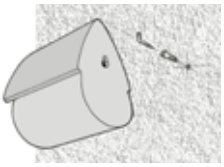
▲ Great Tits

▲ Blue Tit

A perfectly styled nest box – can be fixed to house, patio or balcony walls! Native garden Birds such as Tits, Redstarts and Sparrows have made our house walls, patios and balconies their home where, next door to their human neighbours, they breed and raise their young. The interior shape is similar to that of a natural hollow, and a high rate of occupancy is the result. Special features such as air-permeable, natural wood-concrete that is resistant to Woodpeckers, and a design that satisfies many of the species' needs make up a popular and permanent Bird home that has a place directly outside the house. Inside, conditions are perfect for Birds to raise their young, indeed for many decades to come!

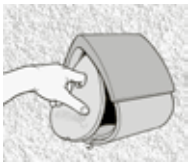
» BIRD HOME 1MR

Use a single hook (supplied) to fix the Schwegler Bird Home on an external wall of your choice! The occupants of the Bird Home with ⌀ 32 mm entrance hole are: Great, Blue, Marsh, Coal and Crested Tits, Redstarts, Nuthatches, Pied Flycatchers, Tree and House Sparrows.
Installations: On walls at eye level. However, installation on the upper storeys or on balconies is also possible and is advisable too, as then the roost is readily accepted.
Cleaning and inspection: To clean the Bird Home, simply remove the front panel. After turning the bottom locking screw through 180°, pull the front panel downwards; you now have an optimum view of the whole breeding chamber and inner roof area.
Material: Schwegler wood-concrete Nest Box.
Dimensions: W 19 x H 27 x D 23 cm.
Weight: approx. 5.2 kg.
Includes: Nest box and screw hook with universal wall plug.



▲ fixing with single threaded hook

▲ unlicking the front panel



▲ remove front panel

Green/grey version
Order No. 00 154/2

Red/grey version
Order No. 00 155/9

Brown/light brown version
Order No. 00 156/6

» OPEN-FRONTED NEST BOX 2MR

Cave/rock shelter breeders prefer nest cavities on buildings. With this 2MR Open-Fronted Nest Box you create an optimum roost on a building, e.g. house, shed, garage, etc. It is easy to clean due to the removable front panel. The special front panel insert provides protection against nest robbers.
Occupants: Black Redstarts, Wagtails, Spotted Flycatchers, Robins, possibly Wrens.
Installation: on buildings, side facing away from the weather or protected under the eaves.
Material: Schwegler wood-concrete Nest Box.
Outer dimensions: approx. W 19 x H 27 x D 23 cm.
Weight: approx. 5.2 kg.
Includes: Nest box and screw hook with universal wall plug.

Red/grey model
Order No. 00 159/7

▲ Sparrows in 1SP (Photo: © R. Martineau)

Different species of Sparrows can be found around our human homes:
House Sparrow (Passer domesticus): These Birds thrive in areas cultivated by man, from villages to large cities.
Tree Sparrow (Passer montanus): Also widely distributed throughout towns and villages as well as the surrounding fields, farms, woodlands and hedges, and woodlands bordering rivers and streams.

Both songbird species play an often completely unrecognized, very important role in the balance of nature in classic pest control. Recently the numbers of both species have declined substantially and in some areas they are now rarely seen. Long term studies have confirmed this drastic reduction in their numbers across Europe. The causes include the clearance and monotonous nature of rural areas, the sterility of many gardens and landscaped areas, and the use of chemicals in agriculture and gardens. The survival of these species is particularly threatened by widespread building renovation and clearance which denies them many nesting possibilities.

» SPARROW ROOST 1SP

Depending on the location, we offer three versions of the Sparrow Roost:
1SP: for darker locations. Three brood chambers, each with a double entrance hole, on-wall and in-wall installation possible.
2SP: for brighter locations. Three brood chambers, each with an oval entrance hole, on-wall and in-wall installation possible.
3SP: for brighter locations. Three brood chambers with entrance holes facing away from each other at the front and sides, to reduce the colonisation and acceptance pressure among the birds when choosing the breeding site. On-wall installation only is possible.

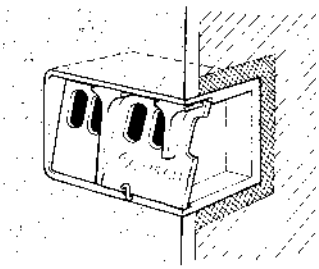
Occupants: House and tree sparrows, occasionally also redstarts or other birds which use nest boxes.
Material: Schwegler wood-concrete.
Siting: On all types of houses in built-up areas, and on industrial and agricultural buildings such as barns, sheds and factories.
Installation height: 2 metres or more above ground level.
Dimensions of the three brood chambers:
W 10.5 x H 16 x D 15 cm (each).
External dimensions: W 43 x H 24.5 x D 20 cm.
Weight: approx. 15 kg.
Includes: 1SP, screws and plugs.
Note: the fixing material included is a design suggestion, the suitability must be checked on site.

▲ Installation into a wall is possible with **1SP** ...

▲ and variant **2SP**

▲ **3SP** is only suitable for for surface mounting

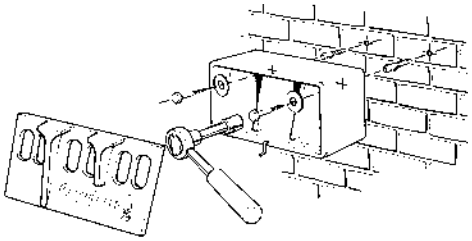
Variants 1SP and 2SP ►
Complete installation as a nesting block within brick or concrete walls. To avoid heat-conduction please also use wall insulation, or install at a suitable depth in the wall



Variant **1SP**
Order No. 00 590/8

Variant **2SP**
Order No. 00 593/9

Variant **3SP** on-wall installation only is possible
Order No. 00 594/6



*simple surface mounting of all three variants with enclosed plugs and screws

It is increasingly difficult for **Barn Swallows and House Martins** to find suitable nest-building material in our modern world. The mud they do find, if any, is often poor quality. In addition, the walls of buildings are nowadays often very smooth. As a result, nests tend to fall down, sometimes with the nestlings inside. In many places, the vibration caused by heavy vehicles shakes the nests loose. Our Schwegler Nests, made of wood-concrete with a 75 % wood content, are far superior to natural nests and are a direct way to help Barn Swallows and House Martins. A variety of models is available for different locations and species. In many regions the entire Swallow population depends on artificial nesting aids. Swallows are popular Birds and are regarded as the bringers of good luck. They feed on flying Insects such as swarms of Greenfly, Crane Flies, Mosquitoes and Houseflies. They prefer to hunt in the immediate vincinity of their nesting sites.

Advantages of Schwegler Nests:

» unlimited life
» breathable material ensures a balanced temperature
» easy to clean and inspect
» vibration does not dislodge them
» swallows can occupy the nests as soon as they return from their winter quarters in Africa

Installation details are included with each nest.

Swallow's nests: We recommend an annual inspection and, if necessary, cleaning. If there is only a minor pest infestation, the nests can be used for years without the need for cleaning.

» HOUSE MARTIN NEST No. 9A for installation under eaves

Note: We supply the wooden parts of Nest and Droppings Board in untreated wood. Although not absolutely necessary, it is advisable to coat the multiplex bracket with wood stain or (façade) paint before installing it, to minimise discoloration caused by the weather. Please do not coat the nest dishes, to ensure they remain fully breathable for successful breeding.

Wooden parts made from **formaldehyde-free chipboard**

Material: Bowl-shaped nest made of air-permeable wood-concrete and a backing board made of exterior grade, formaldehyde-free chipboard to prevent warping.
Double nest: House Martins are very sociable and will more readily use nests that are arranged in pairs. Can be installed in groups to form large colonies.
Siting: Under eaves on the external walls of buildings. House Martins never nest inside buildings. Install on the sheltered side of the building.
Height above ground: Minimum height 2 m.
Period of occupancy (Europe): From middle/end of April to middle/end of September.
Breeding period: Eggs are laid from early / middle May until August. The Birds raise one or two broods each year.
Distribution: Europe, North Africa, parts of Asia. In Europe they regularly breed at altitudes up to 2,000 m above sea level.
Cleaning: Can be used for years without cleaning. However, if possible it is advisable to inspect the nests frequently and to clean them if necessary.
Popular sites: Against a light background or wooden boards.
Swallows and Martins tend to return to the same nesting site year after year. Consequently it may take some time before they colonize new areas. Once they have chosen a nesting site there are virtually no limits to the size of a colony of House Martin Nests.
Dimensions: W 46 cm x H 11 cm x D 14 cm.
Weight: approx. 2.9 kg.
Includes: Angled board with two nesting bowls.
Order No. 00 310/2

ACCESSORY » Droppings Board for House Martin Nest No. 9A
Material: Wood; formaldehyde-free chipboard, galvanized steel.
Purpose: The Schwegler Droppings Board prevents the nuisance caused by droppings accumulating around windows and doors. The board can be quickly and easily installed using screws (not included).
Dimensions: W 46 cm x H 17 cm x D 24 cm.
Overal Space required when installed below Nest No. 9A:
W 46 cm x H 44 cm x D 24 cm.
Weight: approx. 2.9 kg.
Includes: Angled board with metal bracket.
Order No. 00 320/1

» HOUSE MARTIN NEST No. 9B DBP (patented)

▲ Application example

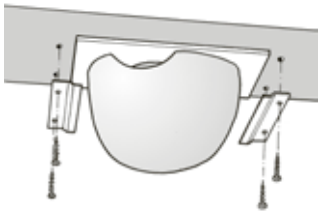
The Double House Martin Nest 9B with nesting bowls made of breathable Schwegler wood-concrete and multiplex bracket (angled board) has been developed as an alternative to the House Martin Nest 9A. In this House Martin Nest the entries are orientated towards the front. The nesting bowls are easy to remove and push in thanks to their metal clip holders. For details of hanging up, height, occupancy, breeding period, cleaning and acceptance please see No. 9A.
Material: Nesting bowls made of Schwegler wood-concrete on 12 mm multiplex bracket.
Dimensions: W 46 x H 11 x D 15.5 cm.
Weight: approx. 3.2 kg.
Order No. 00 312/6

Wooden parts made from **Mulitplex**

Note: We supply the wooden parts of Nest and Droppings Board in untreated wood. Although not absolutely necessary, it is advisable to coat the multiplex bracket with wax, wood stain or (façade) paint before installing it, to minimise discoloration caused by the weather. Please do not coat the nest dishes, to ensure they remain fully breathable for successful breeding.

ACCESSORIES » Droppings Board for House Martin Nest No. 9B
Material: Multiplex board 12 mm and metal bracket.
Purpose: The optional Schwegler Droppings Board can be attached to avoid the nuisance caused by falling droppings.
Dimensions: W 46 x H 17 x D 24 cm (droppings board only).
No. 9B dimensions with Droppings Board:
approx. W 46 x H 44 x D 24 cm.
Weight: approx. 2.9 kg.
Order No. 00 313/3

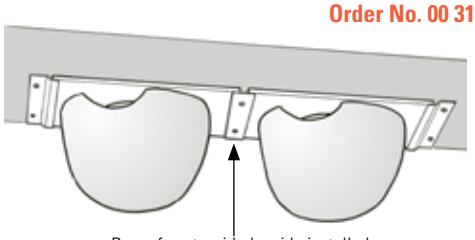
» SINGLE NEST FOR HOUSE MARTINS No. 13



▲ Single nest with white plastic panel, nesting bowl closed at the rear.

Installation: With two rails (S-mountings) made of V2A metal (stainless steel) with two drillholes each. The brood nest is pushed into these mountings to fix them in place.
Installation: Install under eaves on the exterior walls of buildings. House martins never nest inside buildings. Make sure to choose a side sheltered from the weather and ensure that the nesting sites are not exposed to direct sunlight.
Material: Schwegler wood-concrete nest on plastic mounting panel, staining steel fixing rails with stainless steel screws.
Dimensions: W 25 cm (including strip), H 9 cm x D 14 cm.
Weight: approx. 0.9 kg.
Includes: Nesting bowl, stainless steel rails, stainless steel screws.
Order No. 00 315/7

In addition, we supply suitable for No. 13 and No. 13B:
ACCESSORY » Flat Connector for forming a row of nests
Order No. 00 316/4



▲ Row of nests, side-by-side installed with flat connector

▲ Flat connector

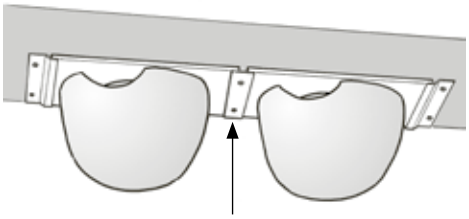
» HOUSE MARTIN SEMI-FINISHED NEST No. 13B

Material: Schwegler wood-concrete nest on plastic mounting panel, staining steel fixing rails with stainless steel screws.
Dimensions: W 25 cm (including strip), H 9 cm x D 14 cm.
Weight: approx. 0.8 kg.
Order No. 00 318/8

▲ Anwendungsbeispiel

In areas in which pools of clay or loam or clay soil are available and accessible for Martins, the House Martin Nest No. 13B can be provided as a semi-finished nest for the House Martins to finish themselves. The advantage of the Semi-Finished Nests is that they provide a secure place for breeding and cannot fall off, which can certainly happen with the Martins' own constructions, because of unsuitable clay composition. The optimum solution is to attach the Semi-Finished Nest alternately with the tried and tested finished nests, for example, No. 13, 9A or 9B.

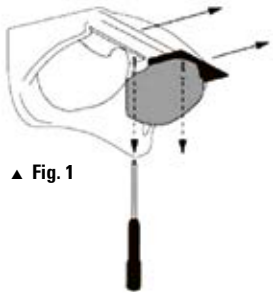
In addition, we supply suitable for No. 13 and No. 13B:
ACCESSORY » Flat Connector for forming a row of nests
Order No. 00 316/4



▲ Row of nests, side-by-side installed with flat connector

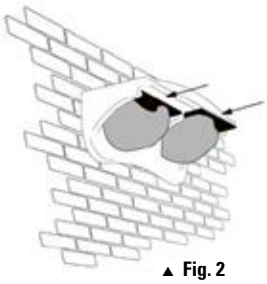
▲ Flat connector

» FAÇADE NEST No. 11 FOR HOUSE MARTINS for buildings without eaves



▲ Fig. 1

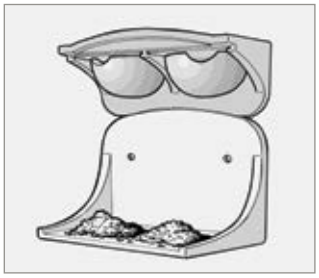
This nest has been developed to enable House Martins to breed successfully on external façades without overhanging eaves and has proved highly successful. The unique, modern design certainly forms an attractive addition to our towns and villages.
Material: Durable, weather-resistant and air-permeable Schwegler wood-concrete, painted in a light grey colour. All the metal parts have been rustproofed.
Siting: On an unobstructed external façade without overhanging roof, or alternatively, directly under overhanging eaves. House Martins always nest on the outside and never on the inside of buildings. Install on the sheltered side of the building. Screws and plugs supplied.
Height above ground: At least 2 m or above.
Cleaning: Both of the nest bowls can be completely removed from the base. They are removed by undoing the screws holding the nest (see Fig. 1). This gives a clear view of the entire nest-bowl. Following cleaning the nest bowl is reinserted (see Fig. 2) and secured (see Fig. 3).
Overall dimensions: W 43 cm x H 17.5 cm x D 17.5 cm.
Weight: approx. 6.3 kg.
Includes: Basic element with two nesting bowls, screws, plugs.
Order No. 00 340/9



▲ Fig. 2

▲ Fig. 3

ACCESSORY » Droppings Board for No. 11
Material: Schwegler wood-concrete with light-coloured paint coat, matching No. 11.
Purpose: The optional Droppings Board prevents the nuisance caused by droppings accumulating around windows and doors.
Installation: The board can be quickly and easily installed using two screw holes. Mount below the Façade Nest No.11 to catch the droppings.
Dimensions: W 43 x H 30 x D 27 cm.
No. 11 with Droppings Board: W 43 cm x H 45 cm x D 27 cm.
Weight: approx. 7.5 kg.
Order No. 00 345/4



Swallow's nests: We recommend an annual inspection and, if necessary, cleaning. If there is only a minor pest infestation, the nests can be used for years without the need for cleaning.

Barn Swallows build their nests inside stables, barns, warehouses, archways and garages. If you see Swallows breeding inside buildings they are very probably Barn Swallows. It is important to ensure that the Birds have constant access during the breeding period (e.g. through a window left ajar, ventilation pipe or open stable door). The Barn Swallow is very faithful to a habitat and returns each year to the nesting site from its winter roost and around 60 to 90 % of the Central European birds also breed a second time each year.

» BARN SWALLOW NEST No. 10 single, bowl-shaped nest

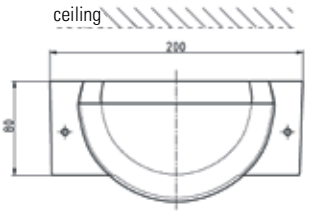
▲ Young Barn Swallows in Nest No. 10

▲ Occupation by another species: Black Redstart

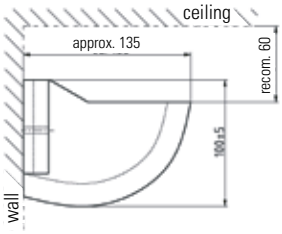
These nesting aids are installed singly. Although Barn Swallows are sociable Birds, the nests should not be placed directly adjacent to one another but at intervals of approximately 1 m.
Material: Nesting bowl of wood-concrete and wooden panel of formaldehyde-free chipboard.
Height above ground: Distance between top of nest and ceiling at least 6 cm.
Siting: Inside buildings of all kinds, porches, livestock sheds, barns, sewage works, etc. Always ensure a clear approach through open windows and hatches.

Period spent by the Birds in Central Europe: Arrival at end of March through to April, departure end of July through to early October.
Distribution: Europe, Asia, North Africa, North America. Only a few areas in Europe are not colonised. Breeds regularly up to 1,500 m above sea level.
Breeding period: Eggs laid end of April though to mid July. Regularly two broods annually, occasionally three.
Cleaning: Not absolutely necessary but recommended. Cleaning is simple due to the bowl-shaped nest.
Dimensions: W 25 cm x H 11 cm x D 14 cm. **Weight:** approx. 0.9 kg.
Includes: Nesting Bowl on baseboard.
Order No. 00 330/0

» BARN SWALLOW NEST No. 10B cup-shaped individual nest | DBP (patented)



▲ Installation sketch



Hand-shaped nest for Barn Swallows completely made of Schwegler wood-concrete. This nesting aid is installed at approx. 1 m spacings.
Material: Complete nest made of Schwegler wood-concrete.
Height above ground: Distance between the top of the nest and the ceiling at least 6 cm.
Siting: Inside all types of buildings, hallways, in stables, cattle sheds, barns, wastewater treatment plants, etc. Always ensure a clear approach through open windows and hatches.
Period spent in Central Europe: Arrival end of March to April, departure end of July to beginning of October.

Distribution: Europe, Asia, North Africa, North America. Only small coverage gaps in Europe. Regularly breed up to 1,500 m above sea level.
Breeding period: Egg deposition end of April to mid-July. Regularly two, exceptionally three annual broods.
Cleaning: Not absolutely necessary, but recommended. But this is very easy thanks to the cup shape of the nest.
Dimensions: W 20 x H 10 x D 14 cm.
Weight: approx. 1.1 kg.
Includes: Single nest, screws and plugs.
Order No. 00 331/7

» BRICK BOX 1HE for Birds which nest in recesses or cavities

This popular design is a lightweight nesting box made of plant fibre and is intended for installation in or on external walls of buildings of all kinds. Because of its special narrowing entrance it is safe against Magpies, Jays, Cats and Martens. The box can be supplied either for installation in the building wall without fixing brackets ("for embedding") or alternatively for mounting on walls and façades using zinc electroplated fixing brackets and screws.

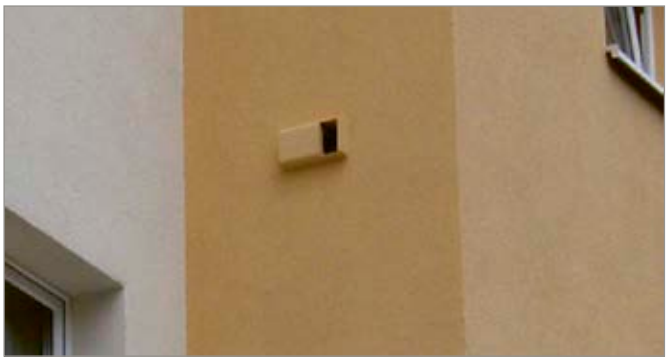
2 versions are available, and the only difference is in the way that they are installed:

- **Recessed installation** in the wall of the building (bricked in, plastered over, etc.), see Figs. 1, 2, 3. The box is supplied without a mounting strap and is inset or built into the wall.
- **On the external surface of the wall.** The box is screwed to the wall using the strap supplied (see Figs. 4, 5).

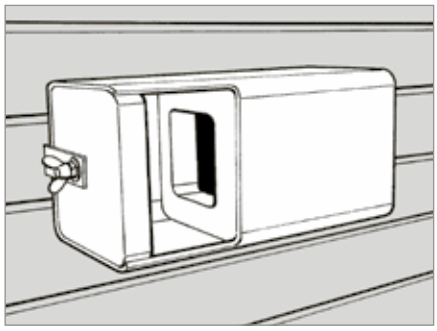
Colour: Standard air-permeable paint can be applied to match the background surface.
Dimensions of brood chambers: 14 cm x 14 cm x 14 cm.
Occupants: Black Redstarts, Pied Wagtails, Spotted Flycatchers and occasionally House and Tree Sparrows.
Siting: At least 2 m above the ground, on or within external walls.
Material: Plant fibre material (100% asbestos-free) and Schwegler wood-concrete.
External dimensions: W 28 cm x H 15 cm x D 15 cm.

VARIANT
» 1HE without Mounting Bracket
(for flush installation in walls)
Weight: 2.6 kg.
Includes: Brick Box
Order No. 00 631/8

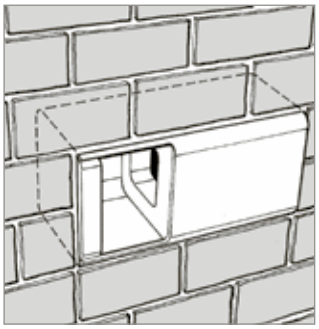
VARIANT
» 1HE with Mounting Bracket
(for installation on walls)
Weight: 2.7 kg.
Includes: Brick Box, Mounting Bracket, Mounting material
Order No. 00 632/5



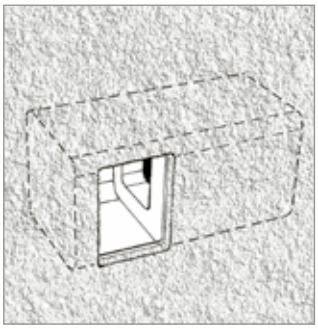
▲ **Fig. 1:** Installation example for 1HE without fixing brackets, recessed installation in the building façade



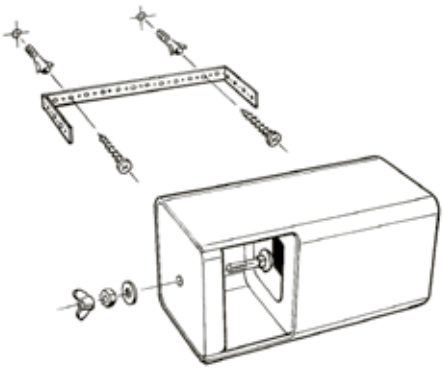
▲ **Fig. 4:** installed on wall with Mounting Bracket



▲ **Fig. 2:** 1HE integrated in brickwork



▲ **Fig. 3:** 1HE in rendered façade



▲ **Fig. 5:** Mounting Bracket

General information on Swifts (Apus apus) Swifts are uniquely adapted to life on the wing. They are mainly known and popular when a large number of them fly through our towns and cities on a warm summer evening, hunting for flying insects. During the summer months Swifts spend just four months in Europe, where they can be found all over the continent. They normally breed up to around 1,000 m above sea level. Winters are always spent south of the Sahara, for example, at the "Cape of Good Hope" in South Africa.

Once they have been accepted, breeding sites are used by the same pair for many years, which means that removal of these roosts constitutes a serious threat to the Birds, as their familiar breeding site is missing on their return. Swifts are very social animals, so that colonies can form with any number of Birds. It is therefore advantageous if several nesting aids are installed. In principle a Swift pair occupies a nesting aid for one annual brood.

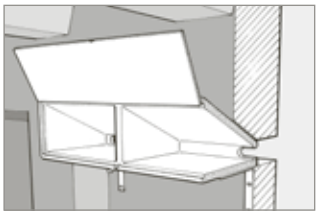
The survival of the Swift in our towns and cities is now under threat. This Bird species occupies niches and voices on all kinds of buildings. These places are often destroyed, blocked or at least made uninhabitable by building renovations or new buildings. Schwegler replacement roosts can be used to create a very successful remedy. You can paint our nest boxes at any time with breathable paint to match the colour of the building façade. Please ensure that you only use paint that is "breathable".

Suitable mounting sites for Swifts: The entrance for the Swifts should be at least 5 m above the ground or other roof parts (e.g. adjacent buildings). Please pay attention to a clear approach/departure area, i.e. a clear area of approx. 15 – 60° slanted downwards should be free from obstacles such as roof gutters, pipes, cornices, etc. Apart from house façades and walls, also ideally suitable on high towers, bridges and high-rise buildings. Where possible, avoid very sunny sites, e.g. On exposed south sides of buildings.

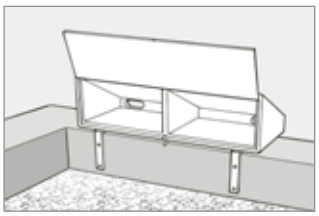
Spacing: Like Swallows, Swifts are very sociable animals and prefer the direct proximity of members of their own species. Therefore, installing several nesting aids to form a colony is a large advantage. The nesting aids can be arranged in the immediate vicinity of each other.

Cleaning: Regular cleaning is not necessary if occupied by Swifts, as Swifts have a very small nest.

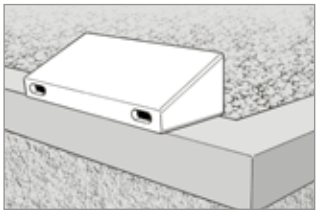
» WEDGE-SHAPED SWIFT BOX (KNEE-WALL BOX)



▲ Installation example in prefab panellised building



▲ Mounting on the parapet wall ▼



▲ pay attention to a clear approach/ exit area

The knee-wall box has been designed for installation in roofs (so-called knee walls), but over the years has proven useful in many other installation sites. It fits exactly into the ventilation openings of the former prefab concrete buildings, found all over former East Germany.

Other installation examples are inside the building (knee wall, roof) with the help of the brackets supplied. The Swift can reach the box through existing ventilation openings or appropriate openings in the building.

The box can also be installed on the outside of buildings (on flat roofs, under eaves, on the attic), provided there is a "sheer drop" below the entrance (please do not install set back from the external wall). Free installation on the external wall is also possible (it is possible that the cleaning flap can then no longer be opened, but this is often not a problem if the box is occupied by Swifts).

Material: Schwegler wood-concrete, zinc-plated fixing bracket.

Includes: Wedge-shaped box, including fixing bracket, screws and plugs

Colour: The box is supplied in natural grey and if necessary can be coated with breathable façade paint in the required colour.

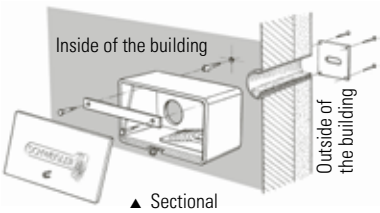
External dimensions: W 68 x H 20 x D 30 cm.

Brooding: space 2 separate brood chambers.

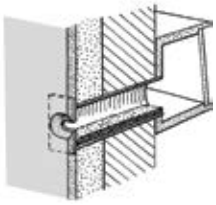
Weight: approx. 14 kg (incl. fixing brackets).

Order No. 00 604/2

» SWIFT OBSERVATION BOX No. 14



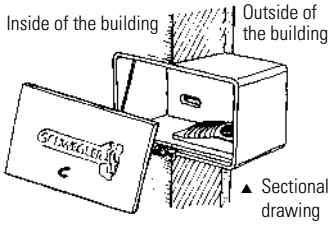
▲ Sectional drawing



Design of the entrance with passage tube ►

Swift Observation Box No. 14 is suitable for attaching in cold rooms near the roof, e.g. in attics, in historical buildings, industrial plants, warehouses, lift shafts, etc.
Material: Breathable Schwegler wood concrete.
Installation: This nesting aid is installed inside the building, attached to an external wall using the fixing bracket supplied, screws and wall plugs. A passageway for the Swifts is created from inside the building to the outside, either in an existing opening on site or by making one (e.g. by core drilling ∅ 100 mm). The specially textured passage tube supplied with the box is pushed into this opening and any existing thermal installation is bridged. The passage tube has a maximum length of around 35 cm. It can be shorted individually to the required length. If the walls are thicker, Swift occupancy is usually less likely. The entrance in the external façade is fitted with an entrance hole cover made of vegetable fibre-reinforced concrete. It can be painted or rendered if necessary.
Observation and cleaning option: Complete flap, including integrated protection against falling out (acrylic glass pane), is removable, ensuring a full view of the whole interior.
Includes: Basic box, nest mould, passage tube, entrance cover, fixing bracket and screws.
Weight: approx. 15.7 kg. **Dimensions:** W 43 x H 24 x D 22 cm plus passage tube and cover.
Order No. 00 592/2

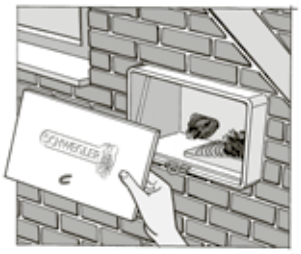
» SWIFT OBSERVATION BOX No. 15 for integration into external walls



▲ Sectional drawing

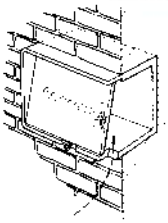
Entrance

Swift Observation Box No. 15 is inserted or bricked directly into a façade just like a Nest Block. It is either installed flush with the external façade or it is pushed in further inside so that it can then be rendered on the outside.
Material: Breathable Schwegler wood concrete.
Brood chamber interior dimensions: W 36 x H 17 x 16 cm.
External dimensions: W 43 x H 24 x D 22 cm.
External dimensions of Nest Mould: W 13.5 x H 3.5 x D 20 cm.
Brood Mould: Internal ∅ 9.5 cm.
Observation and cleaning: option Complete flap, including integrated protection against falling out (acrylic glass pane), is removable, ensuring a full view of the whole interior.
Weight: approx. 13.6 kg.
Includes: Nest box, nest mould.
Order No. 00 595/3

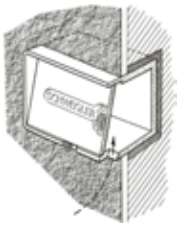


▲ Installation example, view from the inside of the building

» SWIFT BOX No. 16 with entrance underneath

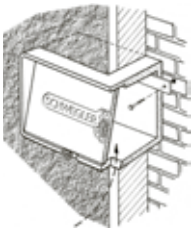


◄ installed in façade



◄ installed in the façade with insulation of approx. 4 cm against cold bridges

Swift nest box for installation in external walls of buildings or for adding to the external surface of the wall. If wall insulation is installed this box can also be inserted into the insulating layer. Its solid construction makes this type suitable for very exposed, sunny positions, free from any restrictions. The maximum depth to which it can be inserted is 17 cm, and this is determined by the position of the entrance hole on the underside. The box then projects by about 3 cm. If the box is to be installed flush with the external wall surface we recommend using the Type 16S, which is more suitable because the entrance hole is at the front. The Fixing Bracket (Order No. 00 614/1) must also be used when attaching with screws to the wall of a building or possibly when installing in a layer of insulation.
Material: Schwegler wood-concrete.
Siting: As explained on page 33.
Installation: For bricking in or screwing onto the façade with optional Fixing Bracket.
Colour: The body is natural grey and can be coated using standard commercially available breathable façade paint.
Cleaning and inspection: Cleaning is easy and convenient but not essential. By turning the safety catch, the front panel is easily removed. We recommend the use of our optional nest mould (Order no. 00 619/6, page 35)
Interior dimensions: W 36 cm x H 17 cm x D 16 cm.
Ext. dimensions: W 43 cm x H 24 cm x D 22 cm (incl. fastener).
Weight: approx. 11 kg.
Includes: Nest box.
Order No. 00 612/7



▲ built into insulation using the Fixing Bracket

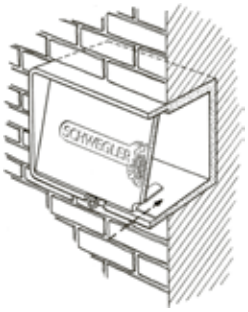
▲ Box installed flush

» SWIFT BOX No. 16S with integrated barrier to exclude Starlings

▲ Starling barrier inside

Why with a starling barrier? First of all, we need to be clear: no-one who is seriously concerned about the protection of species has any objections to Starlings – quite the contrary. In designing starling barriers the intention is to assist the protection of all species. Therefore we supply also various different types of nesting boxes specifically for starlings. However, we have to accept that starlings can present a problem when they nest on buildings, usually because of the mess that they make on and around the building, for example on prestige buildings or in areas used by the public. This often results in a reduction in the number of nesting aids for swifts, which in turn means that less breeding areas are available for them. Where nesting boxes are occupied by swifts their habits definitely do not result in the fouling of buildings. Selective projects for monitoring swifts have shown how welcome this starling barrier is as a means of reducing unwanted occupancy.

How the starling barrier operates: The anatomy of the starling (long legs etc.) prevents it from getting through the barrier and into the brood chamber that lies behind it. Swifts have very short legs, enabling them to easily gain access through this tunnel. Tests conducted over many years have proved the effectiveness of this system.



▲ Flush-mounted (section showing flight direction)

Installing the barriers in existing boxes: As a rule barriers should not be installed in existing brood boxes because the swifts enter the box at a high speed and can injure their beaks. It is well known that when swifts return to their previous year's sites they tend to fly "blind".

Installation: See type no. 16, page 34. However, the No.16S can be fully inserted into the walls up to 16 cm deep.

Material: Schwegler wood-concrete.

Interior dimensions: W 36 cm x H 17 cm x D 16 cm.

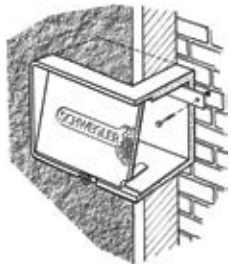
External dimensions: W 43 cm x H 24 cm x D 22 cm (incl. fastener).

Weight: approx. 11.2 kg.

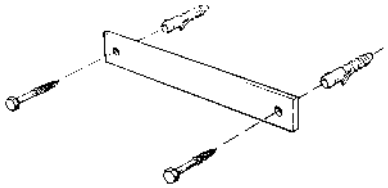
Includes: Nest box.

Order No. 00 609/7

Flush-mounted ► in insulation with optional Fixing Bracket



» ACCESSORY Fixing Bracket for Swift Box No. 16 and No. 16S



Bracket for attaching the Swift Box No. 16 and 16S.

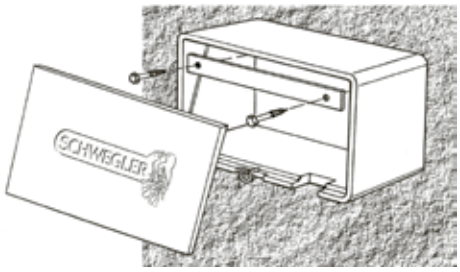
Material: Galvanized steel.

Dimensions: W 250 x H 30 x D 3 mm.

2 screws and wall-plugs are included.

Includes: Fixing Bracket, two lag bolts and plugs.

Order No. 00 614/1



» NEST MOULD FOR SWIFTS

The shape of this recess prevents the eggs from rolling around and can therefore improve the survival prospects of the young Birds. It is commonly used with great success in many natural and artificial nesting places and is specifically recommended by experts. It is also frequently used in scientific ringing projects. It can provide the basis for a nest in skylights and roof spaces, gaps between rafters, in church towers and embrasures accessible to Swifts, in dark areas where there are no nearby entrance holes.

Ideal for use inside Schwegler Swift Boxes: 1MF, no. 14, no. 15 and no.16, no. 16S.

Does not fit in Type no. 17 boxes.

Material: Schwegler wood-concrete.

External dimensions: W 13.5 x H 3.5 x D 20 cm.

Diameter of nest shape: 9.5 cm.

Brood mould: Inside-Ø 9.5 cm.

Weight: approx. 0.5 kg.

Order No. 00 619/6

» SWIFT NEST BOX SERIES, TYPE No. 17

Our tried and tested Swift Boxes have been used successfully throughout Europe for decades. The lightweight boxes are especially suitable for retrofitting on external façades. Alternatively, they can also be installed directly in a façade.

Material: Certified – asbestos-free, vegetable fibre-reinforced concrete and Schwegler wood-concrete. Galvanised fixing elements.
Installation: The entrance should be a minimum height of 6 to 7 m above the ground or protruding parts of buildings. Greater heights are possible at any time. Attaching the box directly under the roof edge is advantageous. It is very important to ensure that there are no protruding parts, roof parts, pipes, etc. below the entrance, as Swifts approach and fly away very steeply. Therefore, the area under the entrance should be unobstructed and lead directly to the ground. It is advantageous and we expressly recommend that several nesting aids be installed for the formation of Swift colonies. Swifts do not need a minimum distance from fellow species – nesting boxes can therefore be positioned directly next to each other.

Suitable positions: On external façades or under the roofs of all kinds of buildings, for example, houses, industrial buildings, churches, road structures, walls or even cliffs and rock faces. For outdoor installation in very sunny locations we recommend our wood-concrete Swift nesting aid as an alternative, e.g. No. 16. Alternatively, the boxes can also be bricked in or installed in the thermal insulation.
Cleaning and inspection: The Type 17 boxes can be cleaned after the entrance rose has been removed. To this end, the entrance is turned through 90° (entrance hole vertical) and is removed. But in general it is not necessary to clean the boxes if they are used by Swifts. The Swift nest is always made in the darkest corner of the roost and away from the entrance hole.
Colour matching: Type 17 nesting aids are supplied in natural grey. They can be matched to the background colour by painting them with breathable paint.
Versions without removable rose: On request we can also supply you with these boxes without a cleaning opening, i.e. with an elongated 30 x 70 mm hole only. Please ask if required.

▲ **Fig. 1:** Mounting with hanger

No. 17 single

This model has been used very successfully throughout the whole of Europe for decades. The particularly lightweight nest box made of 100% asbestos-free vegetable fibre-reinforced concrete is ideally suited for installation on low-strength façades (insulation, sheathing, etc.).
Supplied with U-shaped, flexible hanger made of perforated steel strip and fixing materials (Fig. **1**). The box can also be inserted/ plastered in the masonry without a hanger (Fig. **3**). On request can also be supplied with Type No. 17A/B/C brackets (Fig. **2**).
External dimensions:
W 34 x H 15 x D 15 cm plus wing screws.
Brood chamber:
W 30 x H 14 x D 14 cm.
Weight: approx. 3.1 kg.
Includes: Nest box, hanger, screws, plugs.
Order No. 00 610/3

No. 17C double

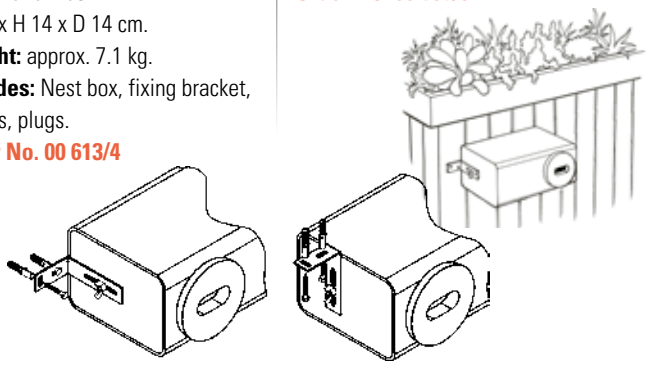
Like type No. 17 and 17A; however with two brood chambers.
External dimensions:
W 66 x H 15 x D 15 cm plus wing screws.
Brood chamber:
W 30 x H 14 x D 14 cm.
Weight: approx. 5.5 kg.
Includes: Nest box, fixing bracket, screws, plugs.
Order No. 00 607/3

No. 17A triple

Especially suitable for colony formation due to three separate brood chambers in a single housing. Each chamber has its own removable Entrance Rose for easy cleaning and inspection. The two zinced fixing brackets supplied enable easy, fast and stable installation. Can be either hung on the wall or overhead e.g. on eaves. The wall-side leg of the retaining brackets can also be installed concealed behind the box if necessary, in order to reduce the installation width.
External dimensions:
W 98 x H 15 x D 15 cm.
Brood chamber:
W 30 x H 14 x D 14 cm.
Weight: approx. 7.1 kg.
Includes: Nest box, fixing bracket, screws, plugs.
Order No. 00 613/4

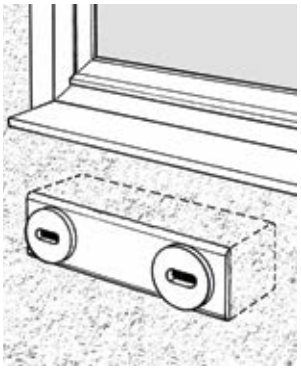
No. 17B single larger brood chamber

This box provides a good compromise between weight, size and enlarged brood chamber. The larger brood chamber depth ensures more movement space is available, e.g. for training flying muscles. Easy to install with the two mounting brackets and fixing materials supplied as for Type No. 17A.
External dimensions:
W 34 x H 15 x D 21 cm plus wing screws.
Brood chamber:
W 30 x H 14 x D 20 cm.
Weight: approx. 4.8 kg.
Includes: Nest box, fixing bracket, screws, plugs.
Order No. 00 608/0

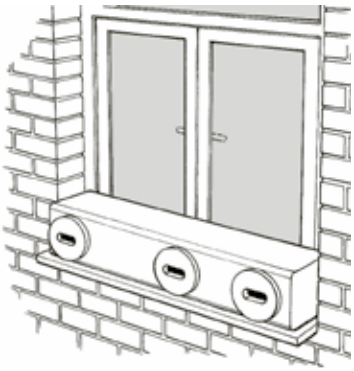


▲ **Fig. 2:** adjustable fixing bracket for surface-mounted installation for No. 17A / B / C (included)

▲ **Fig. 3:** Installation in the brickwork



▲ bricked-in installation example



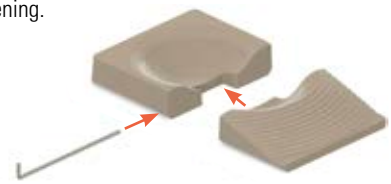
▲ it is also possible to install it on a window sill, but the box must be secured to prevent it from falling

» ACCESSORIES FOR TYPE 17 SERIES

» Nest Mould for Swifts Type 17 (2-parts)

The Nest Mould minimizes the chance of lost eggs. Especially with swifts, eggs outside the immediate nesting-site are not further incubated and will not develop. The Nest Mould is placed opposite the entrance-hole far back in the nesting chamber, with its steps facing towards the entrance. The special feature of this Nest Mould is that it can be divided into two seperate parts, allowing it to be placed through narrow openings in the nestbox or nesting-site. Originally developed specifically for the Type 17 Swiftboxes, it works also very well with other models or natural nesting sites where no other mould can be inserted due to the small opening.

Required opening for insertion: from ⌀ 100 mm or rectangular at least 50 x 110 mm. **Material:** Schwegler wood-concrete.
External dim.: W 13 x H 3 x D 17,5 cm. **Brood mould:** ⌀ 9,5 cm.
Weight: approx. 0,7 kg. **Order No. 00 617/2**



» Entrance Roses for other Bird species

Optionally, the 17 Series Swift Boxes can also be fitted with entrance roses for other bird species (**Fig. 4**–**7**). A plastering ring can be ordered additionally for easier plastering or rendering. Please state when ordering.

» Plastering ring / ETICS attachment

Optional plastering ring for Type No. 17 for flush installation in a façade or external thermal insulation composite system (ETICS). Simply position around the rose and render flush with the façade.
Material: Aluminium sheet. **Weight:** approx. 0.15 kg.
Order No. 00 865/7

▲ **Fig. 4:** slit standard for the Type 17 Series

» Swift Rose

Entrance: 70 x 32 mm.
Rose is installed as the standard fitting in all Type No. 17 Boxes. A different entry can be supplied from the factory on request. Also available as a spare part or if altering other entrance hole shapes. Colonisation by Starlings possible, colonisation by Pigeons is prevented.
Occupants: Swifts, possibly Starlings and other Garden Birds, Bats.
Order No. 00 970/8

▲ **Fig. 5:** with two holes

» Sparrow Rose 2

Entrance: 2x ⌀ 32 mm.
Entrance Rose for Tree and House Sparrows. Thanks to the double hole, sufficient light reaches inside the box, settlement by Starlings and Pigeons is largely prevented. Recommended in local communities and rural regions.
Occupants: House Sparrows, Tree Sparrows, Redstarts, Tits, possibly Bats.
Order No. 00 971/5

▲ **Fig. 6:** with one round hole

» Sparrow Rose 1

Entrance: 1x ⌀ 32 mm.
Entrance Rose for Tree and House Sparrows. This version is recommended for use in towns and cities due to the larger entrance diameter. Colonisation by Starlings and Pigeons is largely prevented.
Occupants: House Sparrows, Tree Sparrows, Redstarts, Tits, possibly Bats.
Order No. 00 972/2

▲ **Fig. 7:** large opening

» Rock Shelter Rose

Entrance: oval 90 x 65 mm.
Entrance Rose for rock shelter or niche breeders such as the Black Redstart. Sufficient light penetrates the box due to the balcony-like clear opening. The generously sized interior, facing away from the entrance hole, makes the box largely safe from predators.
Occupants: Rock shelter or niche breeders such as Black Redstarts, Swifts, Starlings, Garden Birds and possibly Bats.
Order No. 00 973/9

NEW

The roses for Swifts and Sparrows are also available with **double edge** on request!

» SWIFT NEST No. 18 Rögelein design

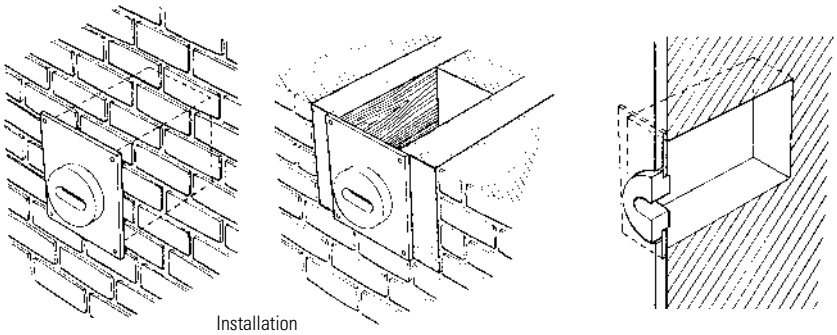
This attractively styled Swift Nest is readily accepted by the Birds and has proved highly effective when installed under eaves. It can be attached by screws to walls or in an overhead position, e.g. on ceilings. We recommend painting the angled board with exterior wall paint but to leave the bowl as supplied in order to improve thermal insulation and provide a better grip for the Birds. The angled board makes it much easier to install, even on difficult sites, because any sawing, drilling or screwing can easily be carried out.
Material: Air-permeable Schwegler wood-concrete with long-lasting, formaldehyde-free chipboard frame, suitable for painting.
Siting and Positioning: As No. 17 (see page 33). Similar to all our other Swift boxes but, since the chipboard panel is moisture-resistant but not rainproof, it should always be placed under overhanging eaves or in some other sheltered site.
Cleaning: The entire nest can be removed from the frame. When it is replaced the nest is locked back into position using the angled nails.
Internal dimensions: W 34 x H 14 x D 15 cm.
External dimensions: W 50 x H 19 x D 22 cm.
Weight: approx. 4.5 kg.
Includes: Nest box with wooden angled board.
Order No. 00 611/0

» CAVITY PANEL FOR SWIFTS

▲ Installation example for several Swift Cavity Panels

This Cavity Panel is ideal as a facing for cavities and niches in walls to provide breeding spaces for Swifts. This board enables new nesting places to be created individually and very quickly (even at a later stage or when construction work has been completed). This board can also be easily and successfully installed when older buildings are being renovated, or on ancient walls and buildings. The built-in rosette, forming the entrance, is one of its special features. The entire entrance can be rotated by 90° to release it, and the rosette can then be removed. This makes monitoring and cleaning much easier. If required we can supply the board without the removable rosette, and with the longitudinal aperture measuring 70 x 30 mm.
To encourage Birds to occupy this nesting box and for improved results we recommend using the "Nest Mould for Swifts" (Order No. 00 619/6, see page 35).

Siting: Easily attached to rafters, cavities or recesses in walls, using screws and wall plugs (not provided) for the four drill holes. The cover can be painted or covered with render.
Cleaning and inspection: The entrance hole insert is removable by turning it 90°.
Material: Plant fibre (100 % asbestos free) panel and wood-concrete insert.
Dimensions: Height/width 20 cm,
thickness 3 cm with rose. Panel approx. 6 mm.
Entry: approx. 70 x 30 mm.
Weight: approx. 0.6 kg.
Includes: Cover, removable rose.
Order No. 00 618/9

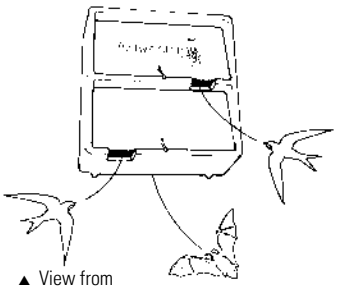


Installation examples

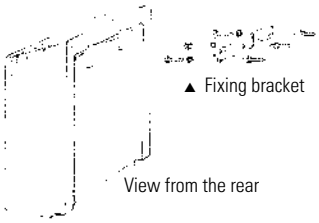
» SWIFT / BAT BOX 1MF

The well though-out principle allows two pairs of Swifts to brood separately from each other in the 1MF Box and produce new offspring successfully. Two brood chambers with separate entrances are provided for this purpose. The rear wall is set back, providing sufficient space between the building wall and the box for Bats to use it as a roost or nursery roost. The design, shape and texture of the rear Bat area is created to meet the needs of Bat species that live in buildings, such as the Pipistrelle Bat.

Material: Breathable Schwegler wood-concrete, galvanised bracket.
Installation: A specially shaped mounting bracket is fixed onto the respective substrate (e.g. building façade) with three screws/wall plugs. The two metal studs integrated in the rear of the box are used to hang the 1MF in the fixing bracket.
Note: The Base Block described below is always required for alternative bricking-in.
Installation locations: As No. 17, see page 36.
Cleaning: The two brood chambers for Swifts are very easy to clean, as each of the front panels can be removed completely by undoing the locking hook. The rear Bat area is maintenance free, as the droppings can fall out readily at the bottom.
Includes: 1MF box, bracket, screws and plugs.
Internal dimensions: Swift brood chamber W 36 x H 17 x D 16 cm. Bat niche: W 35 x H 42 x D approx. 3.5 cm.
External dimensions: W 43 x H 46 x D 22.5 cm.
Weight: approx. 24 kg.
Order No. 00 615/8



▲ View from the front



▲ Fixing bracket

View from the rear

Installation examples ▶

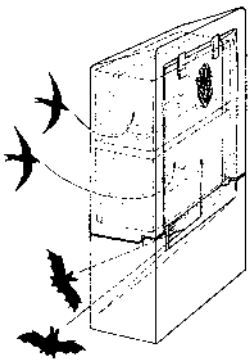
» BASE BLOCK FOR BRICKING-IN FOR 1MF BOX with approach sloap

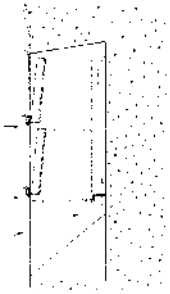
▲ Base Block for 1MF

If the 1MF Box is to be installed recessed in the building façade (bricked-in or similar), this Base Block is positioned under the 1MF Box. Its slope enables access to the rear Bat niche roost and also acts as a droppings chute.
By installing the 1MF together with the Base Block, very inconspicuous solutions can be achieved, e.g. in listed structures.

Material: Breathable Schwegler wood-concrete.
Installation: The Base Block forms the basis of bricked-in installation. It is bricked-in first.
The 1MF Box is then positioned on top of it and is also bricked-in or grouted.
Weight: Base Block approx. 13.5 kg + 1MF Box approx. 24 kg.
External dimensions: Base Block only: W 43 x H 25 x D 22.5 cm.
1MF Box with Base Block: W 43 x H 70 x D 22.5 cm.
Includes: Main Cavity (not including 1MF Box).
Order No. 00 616/5

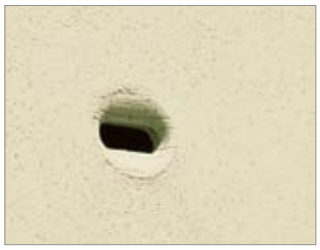
▲ 1MF Box with Base Block





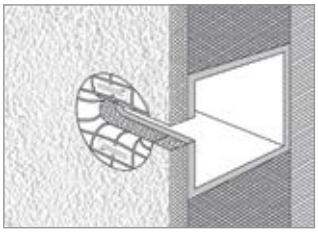
▲ Installation examples ▶

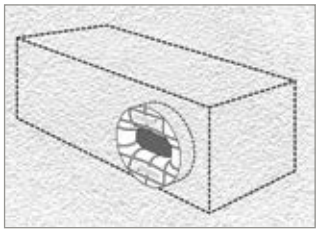
» LIGHTWEIGHT SWIFT BOX TYPE 1A



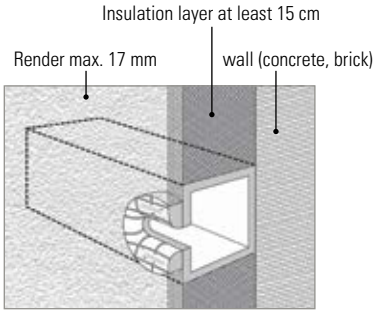
▲ Flush installation, only entrance opening remains visible

Developed in association with the German Environmental and Nature Conservation Organization BUND. The lightweight nesting box is ideal for inclusion in heat insulation systems on external walls. The protruding, ring-shaped perch at the entrance enables the box to be easily installed flush with the wall surface, leaving only the entrance visible. The design makes the approach much easier for the animals, even if the external wall presents a smooth surface. Ideal for installing on the external walls of all kinds of buildings. The box can be mounted with the entrance hole on the left or the right. No aperture for cleaning is provided because this is not essential if the box is occupied by Swifts.
Installation: under or close to roofs, at least 5 m from ground on a sheltered side. When installing ensure free access below the hole for Birds entering or leaving the box. Several boxes can be placed in a group, because Swifts tend to live in colonies.
Occupants: Common Swift.
Material: Schwegler wood-concrete
External dimensions: W 34 x H 13.5 x D 15 cm plus 1.7 cm for the protruding entrance ring.
Weight: approx. 2.7 kg.
Includes: Lightweight Swift Box.
Order No. 00 729/2





▲ Flush installation, only entrance opening remains visible



▲ Example of installation (sectional view)

» BRICK BOXES

Our Schwegler Brick Boxes have proven their worth in settling birds directly on apartments, houses and bridges. They have been used successfully for many years to create and maintain nesting sites in masonry and meet the legal requirements for new build and renovation. They are regularly recommended by experts as a fast and uncomplicated solution for the creation of suitable nesting options.
Our Brick Boxes made of breathable Schwegler wood-concrete enable the cost-effective, structurally faultless and at the same time species-appropriate creation of nesting opportunities in external walls. They are installed directly by the façade contractor or trades persons using familiar methods such as bricking in, concreting in or bonding and are completed quickly and properly. After installation they can be covered with render, painted or covered with clinker so that only the removable entrance hole insert remains visible.
The wood-concrete material used by us is durable, climate-adaptive and completely compatible with the other commonly used wall construction materials. The inside of the Brick Boxes is similar to a natural Woodpecker cavity, as found in trees, and provides the animals with a safe haven. If necessary, the nesting aids can be adapted to the structure using off-the-shelf breathable façade paint.w

▲ hidden behind wooden panelling

» Type 24
Occupants: Great, Blue, Marsh, Coal, and Crested Tits, Redstarts, Nuthatches, Tree and House Sparrows.
Entrance hole: ∅ 32 mm.
Dimensions: W 18 x H 23.5 x D 18 cm.
Material: Schwegler wood-concrete.
Weight: approx. 7.3 kg.
Order No. 00 710/0

BRICK BOXES

» Type 25

At inaccessible sites we recommend securing the removeable entrance hole insert with silicon or some other sealant to prevent it falling out.
Occupants: Common Swifts.
Entrance hole: 55 x 33 mm.
Dimensions: W 26.5 x H 18 x D 22 cm.
Material: Schwegler wood-concrete.
Weight: approx. 8.8 kg.
Order No. 00 720/9

▲ on-site insulation to avoid thermal bridges

» Type 25A

Occupants: Common Swifts.
This type is based on the very succesful type 25, but featuring an enlarged breeding space with reduced overall depth of only 15 cm. The entrance hole insert is glued-in in the factory and can be opened if necessary. It is not necessary to clean the boxes if they are occupied by Swifts.
Entrance hole: 55 x 33 mm.
Dimensions: W 32 x H 18 x D 15 cm.
Material: Schwegler wood-concrete.
Weight: approx. 4.5 kg.
Order No. 00 721/6

▲ installation example in brickwork

» Type 26

Occupants: Birds that use open-fronted nest boxes, such as Redstarts, Pied Wagtails, Spotted Flycatchers and sometimes Robins.
Entrance hole: 110 x 80 mm.
Dimensions: W 18 x H 19 x D 18 cm.
Material: Schwegler wood-concrete.
Weight: approx. 5.4 kg.
Order No. 00 730/8

▲ Black Redstart with its young

» Type 27 Bat Brick Box

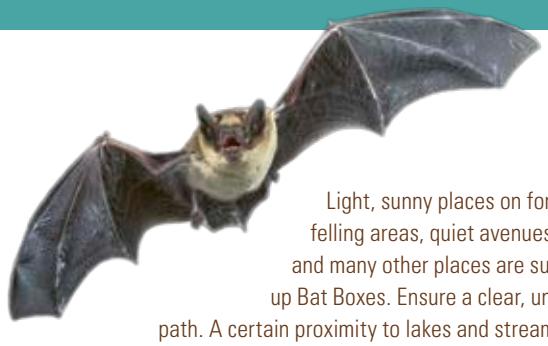
Occupants: Building-inhabiting Bat species.
Hole size: oval 66 x 26 mm.
Dimensions: W 18 x H 26.5 x D 24 cm.
Material: Schwegler wood-concrete with clinging panel.
Weight: approx. 9.5 kg.
Order No. 00 740/9

▲ the Bat Brick Boxes should be cleaned once a year in the autumn

» Type 28 Small Mammal Block

Occupants: Small Mammals, Shrews, Mice, partly Lizards.
Entrance hole: ∅ 32 mm.
Dimensions: W 26 x H 18 x D 24 cm.
Material: Schwegler wood-concrete.
Weight: approx. 9 kg.
Order No. 00 745/2

▲ installation example in nature wall



All domestic Bat species are at risk in their habitats and are acutely threatened with extinction!
Bats have been protected by law since 1936.
Nonetheless, they are still at risk today and in some places they have even already disappeared. Especially for this group of animals, it is clear that mere legal protection does not have any effect unless targeted, extensive protection concepts combined with species protection projects are started.
In terms of numbers, bats are the second largest group within the mammals, but they are the only ones that can actively fly. Bats are not flying mice (German word for bat = "flapping mouse"). Their scientific name is Chiroptera, i.e. "hand" + "wing".
Bats live worldwide, on almost all continents of the Earth; apart from the Antarctic. There are 900 different species. 24 Bat species have been verified in the whole of Germany and 53 in the whole of Europe.
Bats not only occupy the walls of houses, but also quiet, spacious roofs. A typical "house bat" is, e.g. the Mouse-Eared Bat, a "tree bat" would be the Bechstein's Bat and a representative of the "forest bat" is the Common Noctule Bat.
Bats love warmth. The roosts are therefore mostly south-facing. Schwegler Bat Boxes are coloured black, as this colour attracts heat.

Light, sunny places on forestry paths, windfall or clear felling areas, quiet avenues, large gardens, cemeteries, and many other places are suitable habitats for hanging up Bat Boxes. Ensure a clear, unobstructed approach/entry path. A certain proximity to lakes and streams always proves to be very positive. As bats tend to change their roost spontaneously, Bat Boxes should always be hung up in groups of 3 to 5 boxes at small distances apart. The best height to hang them is between 3 and 6 m. See "Model key for hanging up Bat Boxes" below.
Renovation work, structural alterations on Bat roosts in houses or even the cleaning of Bat Boxes should not be carried out before the beginning of September. Only then do most Bats leave their summer roosts. Bats react far more sensitively than Birds. Here too, the same applies as to Bird Nest Boxes: Simply remove the excrement, do not spray. The cleaning is best carried out using our Schwegler Cleaning Tool, see catalogue page 72.
Bats play an extremely important role in the ecological balance. Apart from birds and spiders, bats are among the most important insect exterminators. Bats leave their roosts in the dusk. Birds and Bats, among others, thus share their tasks very skilfully. Birds hunt "harmful insects" during the day and Bats do so at night!

» BATS IN AND ON BUILDINGS

Bats are already well established occupants in our settlements and buildings. Generally unobtrusive, they can often be found in roof spaces, large industrial buildings, under motorway bridges, behind wall cladding and also in basements. It is always important to ensure unobstructed access to the quarters from outside.
Nowadays there is a pressing need to renovate buildings in order to comply with energy conservation regulations, which results in the closure of such accesses, and the new buildings that are being built are so effectively sealed that the animals can no longer find any suitable accommodation.
The Bats that typically inhabit buildings include the Common Pipistrelle, Serotine Bat, Natterer's Bat and Barbastelle.

Since the 1970s Schwegler has been developing systems for installation in or on buildings in order to either preserve existing roosts or, in the case of new or replacement buildings, to offer new accommodation for Bats. As shown on pages 48 – 55 numerous ingenious and visually attractive solutions have been found. In addition to meeting the specific needs of the animals considerable attention is also given to ensuring that the design complies with building engineering requirements.
This is where the outstanding properties of wood-concrete provide by far the best solution. This has ensured many decades of success without any follow-up costs, making this material much more acceptable to developers, planners and tradesmen, as well as ensuring the long term effectiveness of nature conservation measures.

» MODEL KEY FOR HANGING UP BAT BOXES IN THE FOREST

Quantities given for approx. 15% Bat Boxes in conjunction with Bird Nest Boxes over an area of approx. 10 ha.

Quantity	Type (for 10,000 m²)
10	2F
10	2F with Double Front Panel
10	2FN
8	1FF
2	3FF
4	1FD
3	1FS
2	1FW
1	1FFH
1	2FS or 3FS *

* if necessary, to support small Bats

The recommended distribution is intended only as a rough guide, for example when initiating Bat conservation projects and in the absence of other findings or recommendations. Local or climatic variations as well as the geographical concentration of various species will generally tend to have a significant influence on the key. It should therefore always be adapted individually in accordance with the conditions at a particular location.
After a few seasons you will begin to notice that your Bat population will reveal a preference for particular models of Bat Boxes.
For the greatest success, both Bat Boxes and Bird boxes should be put up and can be in close proximity. The availability of Bird Boxes will discourage Birds from occupying Bat Boxes.

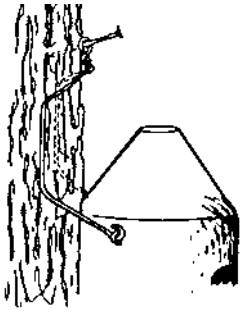
Note on cleaning closed Bat Boxes:
In the case of enclosed bat caves, it is essential to inspect and clean them at least once or twice a year, as encrusted droppings can obstruct the entrances and flight paths. However, you should avoid opening summer and winter roots during May to the end of July, so that any nursery roosts are not disturbed.
Winter Bat Boxes (e.g. 1FW) should not be opened from November to April, to avoid startling the animals out of their hibernation and to avoid cooling the cavity. Please note the relevant legal provisions where applicable.

Enclosed cavities must be cleaned regularly (see note on page 42)

Species such as the Lesser Noctule and the Common Noctule, as well as Daubenton's, Nathusius's Pipistrelle and Bechstein's Bat, are typical representatives of Bats that live in woods and forests. They prefer Bat Boxes as closed systems, as in nature they prefer, for example, woodpecker cavities and hollow tree branches. However, as old, diseased or dead trees tend not to be available or rather are removed from managed forests, natural roosts for Bats have become scarce. Bat Boxes can provide a remedy and are readily accepted by the animals. So-called "House Bats" are mainly those that like to roost in buildings, for example, in roller shutter boxes, behind window shutters, niches and gaps. These are, above all, Serotine, Mouse-Eared and Pipistrelle Bats. These Bats prefer, for example, flat boxes or round boxes with several hanging panel partitions.

» BAT BOX 2F universal

▲ Common Noctule Bat at the entrance hole of a 2F Bat Box



◄ 2F installation

This general purpose Bat Box is ideally suited as an introduction to Bat protection. At the same time it is a readily accepted resting and temporary roost. The textured and cone-shaped interior roof area allows the Bats to hang optimally. If the Bat Box is not occupied after several years for whatever reason, e.g. due to a non-species-appropriate biotope structure, it can be converted into a Type 2M Nest Box by replacing the front panel (see page 9).
Providing accommodation for a large number of Bats and offering good value for money, this Bat Box should be an integral part of any measures to protect these animals. The front panel can be removed for inspection and cleaning.

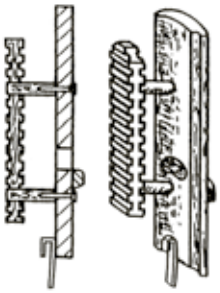
Fixing: Can be installed in a tree or on buildings, minimum height 3 to 4 metres. Ensure that a clear horizontal approach is provided for the Bats. Choose a shaded spot and do not hang the cave in direct sunlight. To ensure optimum accommodation, the Bat Box should be cleaned once or twice a year, or the Bat droppings should be removed.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
External dimensions: W 16 x H 33 x D 16 cm.
Weight: approx. 3.8 kg.
Includes: Nest box, hanger and aluminium nail.
Order No. 00 134/4

» BAT BOX 2F with double front panel

▲ Pipistrelle Bats

The dimensions are the same as the above-named general purpose Bat Box 2F. This box has a special double front panel, made of long-term resistant, grooved wooden boards, which creates a particularly popular and readily acceptable roost for crevice-inhabiting Bats, for example Nathusius' Pipistrelle, Daubenton's and Pipistrelle Bats.
As with the 2F general purpose model, the Bat Box can be easily converted into a 2F Bat Box without double front panel or a 2M Nest Box for Birds at any time. The front panel can be removed for inspection and cleaning.

Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
External dimensions: W 16 x H 33 x D 16 cm.
Weight: approx. 4.1 kg.
Includes: Nest box, hanger and aluminium nail.
Order No. 00 135/1



▲ double front panel

Useful information about Bats can be found on page 42

» BAT BOX 2FN custom-built

▲ Noctule in 2FN Bat Box

This box was developed exclusively for Bats and unlike Bat Box 2F cannot be converted into a Bird Nest Box. It is made to the latest findings and has been used successfully in practice for many years. The intermediate floor ensures that it provides the best possible protection against small predators, draughts and bright light.
With two access options: The Bats can land on the tree trunk and climb in from underneath or fly away directly from the wide entrance area at the front. The roost is largely self-cleaning, as the droppings can fall out of the bottom of the cavity. Nonetheless, checking and cleaning are recommended if the Bat Box is used by large numbers of Bats. **This type is especially suitable for forests and parks.** The front panel can be removed for inspection and cleaning.
Material: Schwegler wood-concrete. Hanger: steel, galvanised.
External dimensions: W 16 x H 36 x D 16 cm.
Weight: approx. 4.9 kg.
Includes: Nest box, hanger and aluminium nail.
Order No. 00 136/8

» SMALL BAT BOX 3FN with smaller access | for small Bats

Specially adapted Bat Box based on the tried and tested 2FN. Thanks to the smaller entrance openings at the front and in the floor, this model provides increased protection against natural enemies. Also recommended in areas with large numbers of dormice. The intermediate floor ensures that it provides the best possible protection against small predators, draughts and bright light. With two access options. The Bats can land on the tree trunk and crawl in from underneath through the opening in the floor, and fly away directly from the wide front entrance area. The roost is partly self-cleaning, as some droppings can fall out of the bottom of the cavity. Nonetheless, checking and cleaning are recommended if the Bat Box is used by large numbers of Bats. The front panel can be removed easily for inspection and cleaning.
Occupants: especially for small Bat species.
Material: Schwegler wood-concrete. Hanger: steel, galvanised.
External dimensions: W 16 x H 36 x D 16 cm.
Weight: approx. 4.9 kg.
Includes: Nest box, hanger and aluminium nail.
Order No. 00 138/2

» BAT BOX 1FD with triple front panel | for small Bats

The Bat Box 1FD has been developed as a special nursery roost, among other things for small Bats and is used very successfully in practice.
The interior, as well as the type and size of the entrance hole have been especially adapted to the needs of small Bats. The interior roof design, the chamber height and the double, corrugated wooden boards and their ideal spacing have had a very positive effect on the acceptance of this box type.
Material: Schwegler wood-concrete. Hanger: steel, galvanised.
Occupants: Small Bats such as Pipistrelle and Nathusius' Pipistrelle Bats as well as Daubenton's Bats and Long-Eared Bats, possibly Pond Bats.
Possible applications: Especially in mixed Bat zones and for initial settlement attempts, this Bat Box is an absolute must! The front panel can be removed for inspection and cleaning. Supplied with hanger and aluminium nail.
Includes: Nest box, hanger and aluminium nail.
External dimensions: W 16 x H 36 x D 16 cm. **Weight:** 4.8 kg.
Order No. 00 132/0

» BAT COLONY BOX 1FS universal

◄ Pipistrelle Bat

Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
External dimensions: W 28 x H 44 x D 28 cm.
Weight: approx. 10 kg.
Oder No. 00 133/7

This type of box is readily used for forming large colonies, especially by Common Noctule Bats, Daubenton's Bats and Brown Long-Eared Bats. Nursery roosts with between 70 and 100 animals (including Noctule Bats) are common. Thanks to the large interior and the integrated clinging options, for large numbers of individuals, this type of box is very attractive for forming nursery roosts and for rearing young. The 1FS has been used extremely successfully in Germany and abroad for decades. Regular removal of the droppings is recommended in case of high occupancy figures. It is also useful for estimating the occupancy and acceptance of the box. The box is suitable as a summer and temporary roost. We recommend the Type 1FW for overwintering or hibernation.
Interior design: The front panel consists of triple corrugated wooden boards. On the inside of the roof there is a special clinging panel with insulated mesh, where Bats find optimum clinging and clutching/clawing sites. Removable front panel for inspection and cleaning.
Hanger: Tree and forestry-compatible Aluminium Nails and Mounting Block.
Includes: Nest box, hanger with mounting blocks and aluminium nails.

» BAT COLONY BOX 2FS for small Bats

Ext. dim.: W 28 x H 44 x D 28 cm.
Weight: approx. 10.2 kg.

▲ four attached wooden clinging panels, preferably Pipistrelle Bats, Natterer's Bats, Brown Long-Eared Bats

Large day roost Bat Boxes 2FS and 3FS for small Bats
These two Large Bat Cavities are an add-on to Bat Cavity 1FD and are used as soon as larger groups of residents have developed. Each equipped with a narrow, anatomically shaped entrance, tried and tested for the cavity type, they prevent larger Bats, Birds, Dormice and Mice from intruding. The smaller species such as Natterer's, Whiskered, Daubenton's, Pipistrelle and Nathusius' Pipistrelle Bats, etc. can rear their young in a larger group without being disturbed. The interior of the cavity is aimed at precisely this.
Material: Schwegler wood-concrete. Hanger: steel, galvanised.
Installation: Tree and forestry-compatible Aluminium Nails and Mounting Block.
Includes: Nest box, hanger with mounting block, aluminium nails.
Order No. 00 233/4

» BAT COLONY BOX 3FS for small Bats

▲ the clinging panels made of lightweight concrete are permanently integrated on the body

For info see 2FS. Interior design with clinging panels made of Schwegler lightweight concrete, securely integrated on the cavity carcass, at right-angles to the entrance.
Material: Schwegler wood-concrete. Hanger: steel, galvanised.
External dimensions: W 28 x H 44 x D 28 cm.
Weight: approx. 12 kg.
Hanger: Tree and forestry-compatible Aluminium Nails and Mounting Block.
Includes: Nest box, hanger with mounting block, aluminium nails.
Order No. 00 234/1

▲ Preferred settlement by Midges and Daubenton's Bats.

» BAT HIBERNATION BOX 1FW DBP (patented)

Ext. dim.: W 38 x H 50 x D 38 cm.
Int. dim.: ∅ 20 cm, H 38 cm.
Weight: approx. 36 kg.
Order no. 00 137/5

PLEASE NOTE!
As this roost is also a very popular place for larger Bat colonies to occupy, it is absolutely important to remove droppings from this nest box and to clean it at least once or twice a year.

▲ Double-panel system

▲ Front panel made of triple, corrugated wooden boards

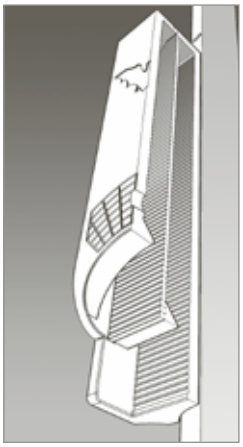
▲ Noctule Bat

The Bat Hibernation Box is based on the interior of the 1FS with the triple and corrugated wooden boards as clinging option and crevice roost. However, in addition, with its patented double-panel system with several insulation layers, the 1FW also offers unsurpassed insulation in the winter. Despite this, the breathable material and forced ventilation ensure safe hibernation of Bats. Equally suitable as a nursery roost and for colony formation in the summer. The front panel is opened without the clinging panels; these can then be removed separately after the front panel has been opened. This ensures easier handling. As this roost is also a very popular place for larger Bat colonies to occupy, it is absolutely important to remove droppings from this nest box and to clean it at least once or twice a year. This makes this box an ideal colony roost all-year round. However, the Bat Box should not be opened during the winter months, in order to avoid extreme temperature fluctuations in the interior.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Interior design: Removable crevice roost made of long-term resistant, corrugated wooden boards. There is a special clinging area inside the roof. Front panel with protection against falling out.
Installation: Tree and forestry-compatible using Aluminium Nails and two Mounting Blocks with simultaneous protection against falling out on the hanger and on the front panel. Optimum hanging height at least 3 metres. A clear entrance accelerates settlement success.
Includes: 1FW, Hanger, two Mounting Blocks, Aluminium Nails and instructions for use.

» UNIVERSAL BAT BOX 1FFH summer roost

The additional entrance hole in the front also makes it easy for young animals to get into the cavity. In the upper area there is a hole which connects the chambers.

Native Bats are largely dependent on forests as a habitat. Female colonies raise their young inside the hollows of old trees. The males inhabit narrow crevices on their own, and in autumn lure the females to their mating roosts. It is typical for all Bats to frequently move from one roost to another, and this means they require a large number of suitable tree hollows and crevices. However, in our forests ideal retreats are scarce.
Materials: Weather-resistant, breathable Schwegler wood-concrete. Clinging surfaces made of untreated, durable wood. Stainless steel mounting bracket.
Where to install: Trees, masts, raised hides. 4 supports built into the semi-circular rear surface ensure the universal box is stable, safe and secure in windy weather.
Optimum attachment height: Best installed at 3 to 5 metres above ground. Bats need numerous roosts and retreats at all times. Even colonies move to different roosts after a few days, sometimes even daily. It is possible to install groups of Bat Boxes of any type, thereby increasing the likelihood of inhabitation and ensuring their long-term use. Bats prefer the flight paths to their roosts to be unobstructed. This will reduce the time it takes for a box to be inhabited.
Cleaning and checking the box: Self-cleaning and maintenance-free. Use a torch or mirror on the underside of the box to check whether the box is inhabited. The universal box cannot be opened.
Interior of the box: 2 separate compartments with clinging surfaces, for Bats inhabiting crevices and tree hollows. Dimensions: 20 cm wide, 74 cm and 64 cm high, narrow entrance hole for protection against predators.
External dimensions: approx. H 87.5 cm x W 24.5 cm x D 19 cm.
Weight: approx. 16 kg.
Includes: Nest box, stainless steel hanger and aluminium nail.
Tip: Optionally, the 1FFH can be attached using two Hanging Blocks (Order No. 00 199/3, see page 73).
Order No. 00 130/6



▲ cutaway view

» FLAT BAT BOX 1FF with built-in wooden rear panel | DBP (patented)

▲ Noctule Bats

▲ Lesser Noctule Bats

▲ Practical example

Material: Schwegler wood-concrete. Hanger: steel, galvanised.
Ext. Dim.: W 27 x H 43 x D 14 cm.
Entrance: D 12 x 24 mm x L 21 cm.
Weight: approx. 9 kg.
Includes: Box, hanger and aluminium nail.
Order No. 00 139/9

The Flat Bat Box 1FF is a crevice roost that is open at the bottom. It can be used even in extremely steep locations and it is maintenance-free, i.e. it does not have to be cleaned. Because the flat box is open at the bottom, droppings can fall out. The Flat Bat Box also has a large inspection flap that can be opened. The 1FF has been fitted with a roughed wooden back panel, made of very resistant wood, to level out temperature fluctuations in the spring and autumn. This means that the animals can use the cooler wood-concrete or the warmer wooden panel depending on their individual climatic needs. Choose a shaded spot and do not hang the cave in direct sunlight. This box has proved highly effective under practical conditions everywhere, in gardens and forests as well as on urban buildings and balconies. Thanks to the central fixing only a nail or screw is required to fix the box securely in position; an added advantage on lightweight panel walls or in rented accommodation. There is a radial recess at the rear that enables good and steady installation on masts or tree trunks. Thanks to its additional four support points it can also be attached securely to houses, garages, towers, hunting hides and walls. The vertical and horizontal narrowing of the box makes it very suitable for all crevice-inhabiting Bat species. It offers the animals optimum interior depth wherever it is hung up, i.e. back contact on and with the wood or wood-concrete on the inside.

» FLAT BAT COLONY BOX 3FF DBP (patented)

▲ Model with additional inspection hatch

In order to satisfy current practical requirements (self-cleaning, universal use, easy inspection) and even greater adaptation to the genera and regional needs of the individual species, the self-cleaning Schwegler Flat Bat Colony Box 3FF (with and without inspection hatch) has been developed on the basis of the tried and tested Schwegler Flat Bat Box 1FF. Soprano Pipistrelle Bats with an additional, larger hanging space for species that tend to roost in caves, such as Noctule Bats. At the same time, it is possible to move between the hanging zones internally, for example, to adjust to weather-induced changes. Depending on the temperature the animals can vary the level at which they hang, or in cold weather they can move more closely together in the roost and on hot days there is sufficient space for them to spread themselves or move apart accordingly within the 3FF to achieve an interior climate that is favourable for them. The 3FF also provides sufficient space for larger groups of female Bats, which convene in so-called nursery roosts. If inspections are necessary, for example, for functional or scientific reasons, we recommend Version 3FF with inspection hatch. In the late summer the enlarged interior volume is an advantage, especially as a transition and mating roost. In Central Europe the 3FF is an excellent all-purpose roost for a large number of species, which takes into account the changing needs of the animals during the Bat year (except for hibernation; special overwintering boxes are used for this, e.g. Schwegler 1FW, 1WQ, etc.).
The 3FF is self-cleaning, i.e. the Bat droppings can fall out freely from the underside without blocking the entrance if the box is densely occupied. On the one hand, the special design of the entrance slot prevents excessive incident light and draughts, and on the other it also enables pregnant animals to access the box safely.
Installation: 3 m and higher on trees, posts, hunting hides and walls.
Material: Schwegler wood-concrete. Hanger: steel, galvanised.
Colour: schwarz. **Dimensions:** W 27 x H 43 x D 20 cm. **Weight:** approx. 9.5 kg.
Includes: Box, hanger and aluminium nail.
3FF without additional inspection hatch **Order No. 00 239/6**

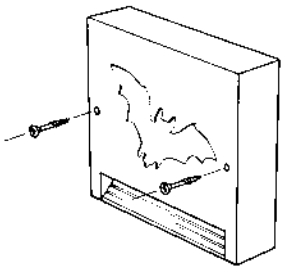
» Model with inspection hatch: If increased inspection frequency is planned for these boxes, we recommend the 3FF model with additional inspection hatch. Thanks to the hatch, the whole interior can be inspected with a mirror or torch. In the version without hatch the interior cannot be examined completely without opening the front panel.
3FF with additional inspection hatch **Order No. 00 238/9**

▲ 3FF opened

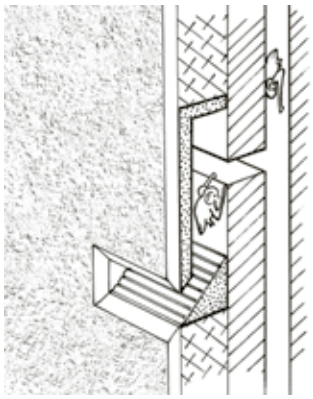
» BAT ACCESS PANEL 1FE

This is a maintenance-free access panel for installing in the surface of exterior walls. The open rear enables Bats to continue to use existing nesting sites in walls. Bats prefer to remain in familiar nesting places and their survival can be supported by retaining their sites within walls. The 1FE is especially suitable for use during conversions, renovations or insulation work on older types of buildings and historic buildings. Installation of multiple units is recommended.
Positioning: Its depth of just 8 cm allows easy integration into insulation or masonry. If necessary it can also be attached to the underlying structure using screws and plugs and two eyes. Install at least 3 m above the ground, ensuring unobstructed access for Bats. Suitable for: Bat species that inhabit buildings.
Attachment height: 3 m and higher. Please ensure unobstructed approach and departure.
Occupants: Building-inhabiting Bat species.
Material: Schwegler wood-concrete.
External dimensions: W 30 x H 30 x D 8 cm.
Weight: approx. 5.1 kg.
Includes: Entry cover without fixing material.
Order No. 00 747/6

▲ 1FE without Back Plate



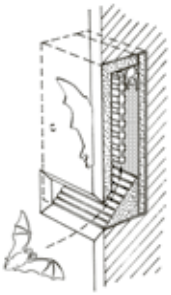
▲ Optional mounting on wall with screws



▲ Installation in insulation

» OPTIONAL BACK PLATE FOR 1FE

If access to an existing nesting site is not required, the 1FE can be fitted with an optional Back Plate, which includes an attached wooden panel to create a cavity wall inside the box. The roughened surfaces of the plate, and the inside of the 1FE itself, are very attractive to Bats.
Installation of the complete box is easy: For example, it can be screwed to a wall or fixed within insulation.
External dim.: 1FE with Back Plate: W 30 x H 30 x D 10 cm.
Weight: 2.9 kg (Back Plate only).
Order No. 00 748/3 Back Plate for 1FE



▲ Sectional view: 1FE with Back Plate

▲ Optional Back Plate for 1FE

» WALL-MOUNTED BAT SHELTER 2FE

▲ Brown long-eared Bat

▲ on walls

▲ sectional view

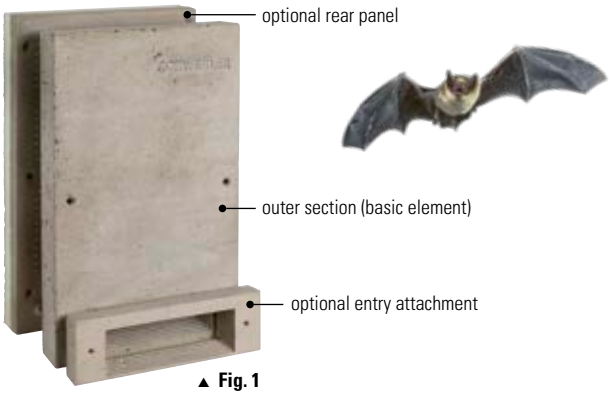
▲ on arched walls

▲ Installation example

The Wall-Mounted Bat Shelter 2FE can be attached outside on façades as a summer hideaway or in a winter roost (e.g. frostproof, damp area in basements, bunkers, vaults, etc.). In the summer, among other things, Pipistrelle, Whiskered and Barbastelle Bats hang in this daytime hideaway. In the winter, all so-called cave hibernators use this Wall-Mounted Bat Shelter as a place to sleep. Thanks to the preformed different clinging levels on the inside a large variety of species is usually present in the shelter. The 2FE is a very effective, simple and cost-effective solution for providing crevice-inhabiting Bats with a place to hide away.

Material: Schwegler wood-concrete, we recommend painting with air-permeable paint when installled on external walls.
Installation: Installing the 2FE is very easy using just two screws to fix it to a wood, brick, stone or concrete wall. If the wall surface is uneven we recommend sealing the three edges of the 2FE with silicone, foam insulating tape or a similar method. This will ensure it is free from draughts, which is preferred by Bats.
Siting: For using the 2FE as a summer home, mount it on a wall surface facing south or east. For winter use, install it in a location free from ice and frost such as damp cellars, bunkers, bridges or caves. You can also install it in an attic or other unheated room.
Cleaning and checking: The 2FE is maintenance-free since Bats' droppings simply fall out. A torch is all you need to check if it is occupied.
External dimensions: W 25 x H 30 x D 3 to 5 cm.
Weight: approx. 2.5 kg each.
Includes: Wall-Mounted Bat Shelter, pack of 2 in cardboard box.
Order No. 00 737/7

» BAT WALL SYSTEM 3FE with defined thermal conductance | DBP (patented)



▲ **Fig. 1**

The 3FE wall system is intended for building-dwelling Bats (including Pipistrelle and Serotine Bats, Barbastelle Bats and Natterer's Bats, etc.). Thanks to the modular and flexible concept, many of the typical special solutions for sub-optimal façade design are covered by a standard solution, e.g. ability to enter existing roosts, small installation depth available, avoidance of thermal bridges despite smaller installation depth, required drip edge in case of water flow on the façade, etc. The design and installation work, costs and logistics are therefore optimised significantly.
The 3FE wall system can be combined in various development stages:

» OUTER SECTION / BASIC ELEMENT 3FE

The outer section (see Fig. 1, 2, 3) is the actual crevice roost and is open at the rear. Inside there are two separate hanging zones which taper upwards. Below that there is a deeper hanging area. The inside has an especially optimised surface structure. The outer section can be screwed directly onto the façade (see Fig. 2A). The surface of the façade (e.g. render) then forms the rear of the roost. It is advisable to seal the contact area, e.g. with acrylic. However, in most cases the outer section is set into the façade (e.g. glued or bricked in). The surface of the 3FE can then be rendered or be left unrendered, for example, if it is installed in fair-faced masonry. Due to the open rear, the outer section is particularly suitable for maintaining existing roosts and to make their entrance in a structurally correct way, e.g. in case of insulation measures (see Fig. 2B). The outer section can be combined with the optional insulated rear panel and/or the entry attachment (see right for description).
Installation: 3 – 5 m and higher. **External dim.:** W 25 x H 40 x D 5 cm.
Colour/surface: concrete grey, untreated.
Material: Schwegler wood-concrete. **Weight:** approx. 3.6 kg.
Bat Box 3FE Order No. 00 790/2
(outer section without rear panel, without entry attachment)

» INSULATED REAR PANEL 3FE (OPTIONAL)

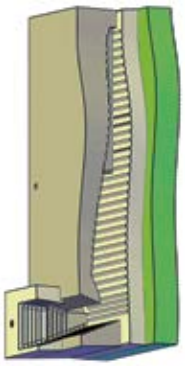
With the help of the 3FE rear panel (see Fig. 1, 2, 3, 4) a self-contained box or roost is created, the rear of which is fully insulated on the building side (30 mm rigid foam, thermal conductance $\lambda = 0.034$ W/mK; total rear panel approx. 5 cm composite with $\lambda_{empir} \approx 0.05$ W/mK).
The surface of the rear panel has a special grooved structure, which enables a secure grip with good body contact. If the rear panel is used, passage into existing roosts is no longer possible.
External dimensions: with outer section W 25 x H 40 x D 10 cm.
Material: Schwegler wood-concrete.
Weight: approx. 2.7 kg.
Rear Panel for 3FE Order No. 00 791/9
(Without outer section, entry attachment, screws)

» 3FE SCREWS AND FIXING SET (OPTIONAL)

The outer section and rear panel (Order No. 00790/2 and 00791/9) are supplied without fixing materials. Suitable for 3FE with and without rear panel. Each pack contains 2 stainless steel screws and universal wall plugs.
3FE Screw Pack Order No. 00 793/3

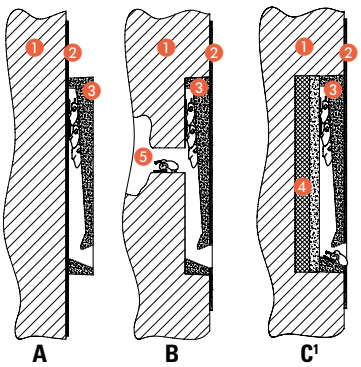
» 3FE ENTRY ATTACHMENT (OPTIONAL)

If required, the approach/entry attachment is fixed onto the outside of the outer section using the screws supplied. It offers different functions depending on the installation option chosen (see Fig. 1, 3, 4) The 3 cm thick front attachment enables additional surface insulation of the roost (see Fig. 3 D). In this way an all-year or overwintering roost can be created. The additional insulation layer on the outside provides the bats (in Central Europe) with a frostproof hanging zone in the interior. At the same time, the thermal conductance of the whole roost also improves. A protruding entry attachment enables a drip edge and extended weather protection to be created (see Fig. 3C). This makes it difficult for heavy water running along the façade and/or driving rain to penetrate the roost.
External dimensions, attachment only:
W 25 x H 7.7 x D 3 cm.
External dimensions with outer section:
W 25 x H 40 x D 13 cm.
Colour/surface concrete: grey, untreated.
Material: Schwegler wood-concrete.
Weight: approx. 0.5 kg.
Entry attachment for 3FE Order No. 00 792/6
(without outer section, without rear panel)



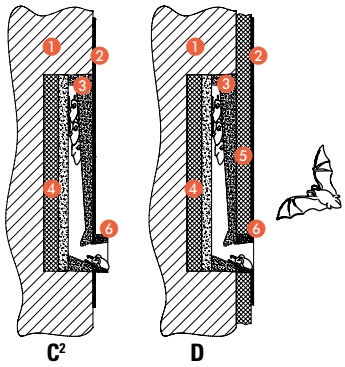
▲ **Fig. 4:** Section through 3FE

1 Masonry, concrete
2 Render
3 Outer section 3FE
4 Rear panel with insulation
5 Already existing roost



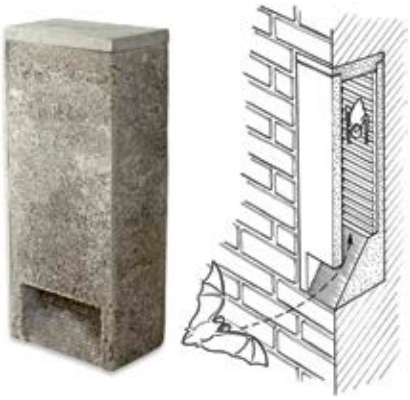
▸ **Fig. 2:** 3FE installation options on and in the render

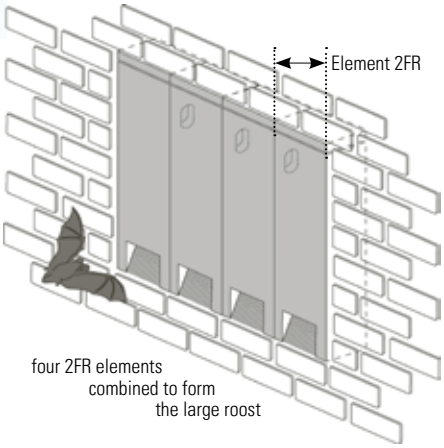
1 Masonry, concrete
2 Render
3 Outer section 3FE
4 Rear panel with insulation
5 Façade insulation
6 Approach/entry attachment



▸ **Fig. 3:** 3FE installation options with entry attachment

» BAT TUBES for installation in walls





Type 1FR » Bat Tube

The tube is designed as a Bat summer roost for bricking-into the external walls of buildings. Due to its small depth of 12.5 cm it is also very suitable for installing in the thermal insulation. The tubular principle meets the characteristic needs of building-inhabiting Bat species. A wooden panel on the inside with long-term resistance ensures that the animals can cling onto the wooden side or the opposite panel (made of breathable wood-concrete). This Bat Tube is maintenance-free, as the droppings can fall slowly downwards, via the special droppings chute.

Installation: Install in façades (brick-in or render-in), in concrete (for example, in bridge structures), or retrofit under weather-boarding during renovation work, etc.

Material: open-pored, breathable Schwegler wood-concrete.

Colour: 1FR is delivered in "natural grey". It can be painted at any time with standard breathable façade paint.

Miscellaneous: If bats get inside the building, we recommend the 2FR model.

Entrance: W 15 x H 9 x D 2 cm.

External dimensions: W 20 x H 47.5 x D 12.5 cm.

Weight: approx. 9.8 kg.

Includes: Bat Tube 1FR.

Order No. 00 750/6

▲ installation example in façade

Type 2FR » Multiple Bat Tube for forming rows

The Multiple Bat Tube 2FR is a modified version of Type 1FR described above. Formed by installing a row of several units side-by-side, colony roosts can be created with any size required. The individual units of the 2FR are connected by preformed passages made in the sides of the units. With three different crevice types per element and integrated passageway system as access to existing building roosts. A special feature is an optional through-passage provided in the rear of the element. We recommend joining at least 3 units per roost.

Material: open-pored, breathable Schwegler wood-concrete.

Entrance: W 15 x H 9 x D 2 cm.

External dimensions:
W 20 x H 47.5 x D 12.5 cm.

Weight: approx. 9.8 kg.

Includes: 1x Bat Tube 2FR.

Order No. 00 755/1

▲ three elements of 2FR installed flush with the façade

The special material used in the 1GS provides Bats which hibernate underground with the moistness that they prefer. The material absorbs moisture from the surroundings, thereby creating the right climatic conditions.

Use as a winter or summer roost: When installed in frost-protected areas (bunkers, cavities), the 1GS is eminently suitable for hibernation. Or as a summer roost at open water culverts and under bridges where individual male Natterer's Bats often sleep and also small groups of Dauberton's Bats. Here the arch brick offers them an optimum daytime hide-out.

Attachment: Fixing by means of continuously adjustable, rustproof fixing brackets (corrosion-resistant), e.g. on ceilings, walls and even on round tunnel cross-sections. Direct contact with the wall or ceiling helps with the absorption of available moisture and encourages the Bats to colonise a site. Efforts to protect Bats are assisted if the 1GS block is installed in an undisturbed place free of draughts, and where the air is moist.

Material: Special lightweight concrete that insulates and also absorbs moisture, aluminium fixing bracket.

External dim.: W 43 (with +7.5 cm for each bracket) x H 20 x D 20 cm.

Interior Crevices: 25 – 50 mm, varying, horizontal and vertical. 5 types and sizes of crevice, Orientation radii to encourage adoption.

Weight: approx. 10 kg.

Includes: Brick Roost, fixing bracket.

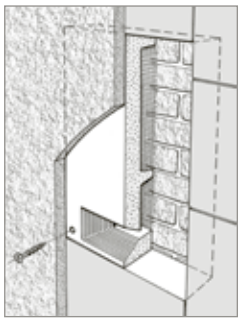
Order No. 00 770/4

▲ Practical example

» BAT WINTER ROOST 1WI All-year roost for flush installation in walls

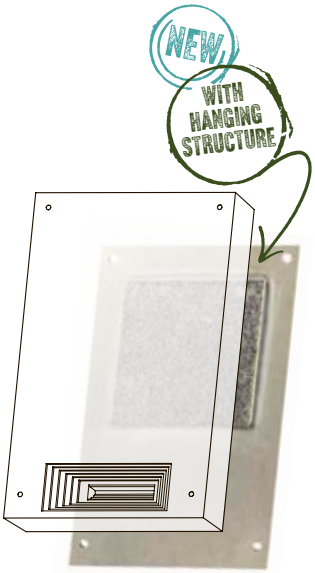
▲ Installation in brick wall

▲ Installation example, in render under the roof ridge



▲ Installation example
Rear open without rear panel

Inside: The interior is designed with different surface textures at different hanging levels. This not only has climatic advantages, but also helps the species to find a hanging site suitable for them.
Outside: With its podium, the funnel-shaped approach area enables the animals to grip easily and therefore accelerates acceptance, e.g. for inexperienced young animals too. The one-piece roost is delivered without painted finish. The 1WI is usually installed flush or "in-wall", recessed in the external façade, although if necessary it can also be painted with standard breathable façade paint to match the background.
Rear: The 1WI is open at the rear and covered with mesh netting in the factory, to provide grip for the animals even on smooth substrates. If installed flush (in-wall), please note that moisture can occur in the interior. If installed on sides of the building exposed to heavy rain, we recommend use of the optional rear panel (Order No. 778/0). This minimises the penetration of moisture into the building insulation/masonry.
Installation: The 1WI is usually installed flush in the external façade or in external insulation under the render. It can be securely fixed on the structure using four screws. The necessary fixings are included. Only the entrance funnel for the animals remains visible following installation.
Material: Weather resistant and breathable lightweight concrete.
Overall dimensions: W 34.5 x H 54.5 x D 9.5 cm.
Weight: approx. 15 kg.
Includes: Nesting aid (without rear panel), screws and plugs.
Order No. 00 766/7



▲ 1WI with optional rear panel
(Order No. 00 778/0)

ACCESSORIES » Optional rear panel for the Bat Boxes 1WI and 2WI
(suitable for Product No. 00 766/7 and 00 776/6)
The approx. 5 mm thick rear panel is glued onto the rear of the 1WI in the factory. This creates a self-contained box or roost. The total depth (1WI including rear panel) changes only slightly to around 10 cm.
Material: Vegetable fibre-reinforced concrete.
Weight: Rear panel approx. 1.6 kg
Order No. 00 778/0

» BAT WINTER ROOST 2WI All-year roost for flush installation in walls

With constricted entry
Model 2WI has a constricted entrance opening at the front (vertically to approx. 23 mm) to minimise the penetration of water, especially for locations exposed to the weather. Otherwise Models 1WI and 2WI are the same. For description and attachment details, set Model 1WI.
If installed flush (in-wall), please note that moisture can occur in the interior. If installed on sides of the building exposed to heavy rain, we recommend use of the optional rear panel (Order No. 778/0). This minimises the penetration of moisture into the building insulation/masonry.
For further info see separate info sheet; please request if necessary.
Material: Weather resistant and breathable lightweight concrete.
Total dimensions: W 34.5 x H 54.5 x D 9.5 cm.
Weight: approx. 15 kg.
Includes: Nesting aid (without rear panel), screws and plugs.
Order No. 00 776/6

▲ 2WI with optional rear panel
(Order No. 00 778/0)

▲ ▼ Examples of installation

This is the ideal Bat Box for all types of Bats that inhabit buildings. The Bats may use it for roosting, to form a colony or to shelter their young.

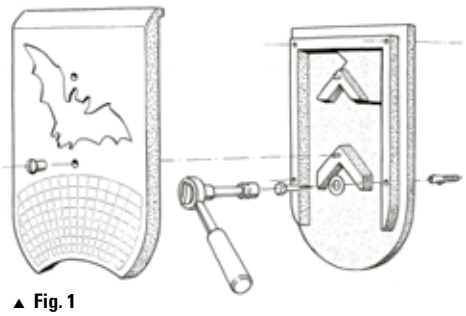
▲ Noctule

» SUMMER BAT ROOST 1FQ for installation on external walls

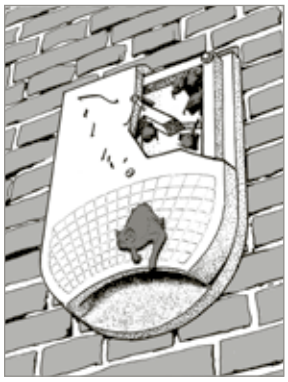
Internally it has two main areas which can be viewed at any time by removing the front panel (see figure 1). The hole at the bottom provides the entrance and allows droppings to fall out. The box requires no maintenance or cleaning. Bats search for and inhabit spaces which suit their own particular habits and requirements; their differing preferences have been carefully reflected in the design of this product. For example, the outside of the front panel has been roughened to enable the animals to land and hang on to it securely (see figure 2), and access is via a step-like recess to ensure that even inexperienced young Bats quickly become accustomed to it.

Installation: Using the four screws and plugs provided (see figure 1), the box can be easily attached to most types of external brick, timber or concrete walls (see figures 3 and 4). It will also attract Bats if it is placed inside a roof space or inside historic buildings. When it is fixed to timber we recommend that the gaps between the wall and the box are sealed with silicone to prevent moisture being trapped.

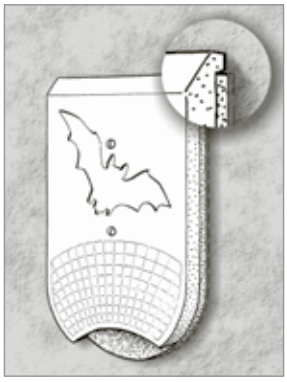
Installation height: Position 3 metres or higher above the ground in a place where there is a clear flight path for Bats entering and leaving the box.
Colour: The front panel is painted during manufacture; if you wish to match an existing colour, it can be painted with an air-permeable wall paint. Note that the rear has been left untreated to provide better contact with the mortar if it is installed within the rendering on an outside wall.
Material: Special Schwegler wood concrete, all metal parts with which the animals come into contact are made of rustproof material.
Inside: Inside the roost, a special surface structure is incorporated on the back which are good insulators and are used by the Bats as perches, and the inside front has a special porous coating which helps to maintain the ideal temperature inside the box. The internal layout means that there are three different areas from which Bats can hang and which offer different degrees of brightness and temperature. There are also non-slip areas, gaps ranging from 1.5 to 3.5 cm in width, and places to hide (see figure 2).
Gap widths on the inside: from 1.5 to 3.5 cm.
Dimensions: W 35 x H 60 x D 9 cm.
Weight: approx. 15.8 kg.
Includes: Bat Box, screws and plugs.
Order No. 00 760/5



▲ **Fig. 1**



▲ **Fig. 2**



▲ **Fig. 3**

▲ **Fig. 4**

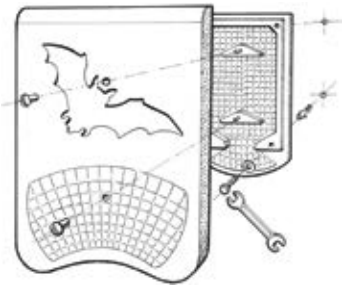
Bat winter roost for attaching and installation on facades and within buildings (e.g. attics)
Due to their special insulation, the Winter Roosts 1WQ and 1WI are suitable as a place for building-inhabiting Bat species to live not only in the winter but also in the summer.
Thanks to the patented double-panel system, these roosts are suitable for winter. This system has been used successfully for many years in our Bat Hibernation Box 1FW for forests and woods. Together with the insulation material used, the design ensures excellent insulation properties while at the same time remaining very breathable for decades. Both roosts have been improved continuously in lengthy test series. They are self-cleaning and are therefore maintenance free. These all-year round roosts are made for safe colony and nursery roost formation in the summer and for safe winter hibernation of the animals.

Installation: On façades, 3 m and higher. Ensure unobstructed approach and departure.
Typical building-dwelling Bat species are, among other things: Pipistrelle, Serotine or Particoloured Bats.

» BAT WINTER ROOST 1WQ All-year roost for attaching to walls

The two-piece 1WQ model is attached to the surface of a building façade. The bottom section is screwed onto the wall first and is then closed off with the top section (with the Bat silhouette). This means that the mounting screws are no longer visible later.
Occupants: Typical house-dwelling Bat species are, among others: Common Pipistrelle, Serotine, Parti-Coloured Bats and, provided corresponding distributions exist in the roost installation site, Noctules or Bechstein's Bats.
Interior: Special niches are built-in inside the roost, creating a kind of labyrinth. It is therefore ideally matched to the needs of the animals, both in the winter and in the summer.
Exterior: The top of the two-piece roost is has a visible Bat silhouette on the surface.
Below this is the structured approach area, which offers the animals good foothold options. The generously sized step-shaped entry area accelerates acceptance, for example, including for inexperienced young animals.
Colour and colour changes: The 1WQ is supplied with a weather-resistant, light-grey coating.
If necessary, it can be adjusted using a standard breathable façade paint, for example, to match the substrate colour. Please only use breathable concrete paint, as otherwise the function of the roost can be limited.
Material: Weather resistant and breathable lightweight concrete with innovative shape so that it can be used for decades of successful nature conservation. All metal parts with which the animals come into contact are made of rustproof material.
Maintenance: Self-cleaning and therefore fully maintenance-free.
Siting: From 3.5 m and higher. Ensure unobstructed approach and departure options.
Suitable locations: Any type of buildings, regardless whether they are built from concrete, brick or timber. Also suitable in and on historical walls, road structures, industrial buildings or residential houses.
Installation: The twp-piece roost is installed using the four screws/plugs supplied. These are designed for standard masonry and concrete walls. Use the screws without plugs for installation on wooden walls/beams. Note: Please check the suitability of the fixings provided on site, as particular building materials may need other screw/plug combinations.
Dimensions: W 38 x H 58 x D 12 cm.
Weight: approx. 22 kg.
Includes: Bat Box, screws and plugs.
Order No. 00 765/0

▲ 3 x 1WQ roosts installed in a group



Alternatively, as a **winter roost, for flush installation in the façade,** our **1WI + 2WI** on page 51 is suitable.

The Bat species that live in Germany use a large range of different types of roosts in the summer. Bats that live in woods and forests rear their young in tree holes or crevices. Village Bats use niches and cracks in buildings or spacious attics. Each Bat species is so highly specialised that they cannot use any lair. Bats are therefore very constant in their roosts and each year return to the same site. However, among other things, weather changes with fluctuating temperatures and species-specific annual cycles lead to frequent changes in roosts. Observations of female colonies show that even mothers with their young can change lairs several times within a few days.
This results in a large demand for suitable lair options, as a single female colony uses numerous roosts in the summer. This is why there is a regular shortage of suitable Bat roosts, both in built-up areas and in forests.

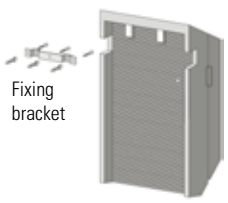
» UNIVERSAL BAT SUMMER ROOST 1FTH with temperature controlled hanging areas

Schwegler has extended its product range for efficient Bat protection and has developed the 1FTH Bat Box for universal use, which can be installed in the woods or attached to structures. A Bat Box with diverse interior geometries has been designed, based on the most recent experience and current results of Bat research. This Bat Box integrates five roost chambers with different properties (see Figure 1 + 2). The hanging areas not only differ spatially but are also climatically differentiated. The smallest Bat species such as Pipistrelle, Soprano Pipistrelle and Whiskered Bats find their ideal lair in the conically tapered gaps of the front area. Larger species such as the Serotine Bat and the Common Noctule Bat find ideal summer and mating roosts in the spacious areas.
Different chambers are interconnected, so that it is possible to change hanging area within the roost. The open rear panel allows access to the inside of the structure if necessary. The most important new feature of the roost in the new ventilation (supply air) we have developed. It ensures the best air conditioning, both for individual animals and for larger groups.
The special material used for the Universal Summer Roost 1FTH has been matched optimally to the needs of Bats. For example, it is able to store surplus moisture and to emit it during dry periods. This means a continuously balanced microclimate is created inside the 1FTH roost. It is possible to install a row of several type 1FTH roosts using a recess in the side with predetermined breaking point (Figure 5).

» Installation on a building: Use the enclosed fixing bracket (Figure 1) to install on building façades and structures, e.g. bridges across bodies of water, viaducts, as well as inside buildings, e.g. attics. Also in combination with other Bat Boxes.
Occupants: Serotine Bats, Pipistrelle Bats, and others.

» Siting in the woods: Reduces the lack of suitable tree cavities and gaps in young forests, reafforestation and parks. To this end the 1FTH is installed, for example, on raised hunting hides or on stud walls (Figure 3 + 4).
Occupants: Woodland Bats such as the Brown Long-eared Bat, Nathusius' Pipistrelle, Brandt's Bat, Common Noctule and others.

Installation height: At least 3 m high. The specially shaped fixing bracket is fixed onto the respective background with screws and the 1FTH is hung up in it.
Material: Weather resistant and breathable Schwegler wood concrete.
Interior finish: Corrugated Schwegler wood-concrete and untreated corrugated plywood. Zinc-plated hanger.
Cleaning and inspection: Self-cleaning. Cleaning is not necessary. Easy to inspect from underneath using a torch or mirror. The Universal Bat Box 1FTH cannot be opened.
External dimensions: W 50 cm x H 70 cm x depth 19.5 cm.
Weight: approx. 25 kg.
Includes: Roost, bracket, screws, plugs.
Order No. 00 767/4 **Colour:** light grey
Order No. 00 768/1 **Colour:** black

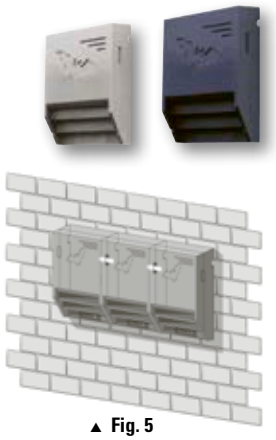


▲ Fig. 1

▲ Fig. 2

▲ Fig. 3

▲ Fig. 4


▲ Fig. 5

» UNIVERSAL SUMMER BAT BOX 2FTH

with temperature controlled hanging places made of Schwegler lightweight concrete

▲ Installation example: Group of 4 x FTH

Experience with our tried and tested, Universal Summer Bat Box 1FTH has shown that wood-free clinging panels in a large roost can be advantageous for some construction projects. This can be, for example, due to projects requiring the approval of the property owner, planner or designer or fire safety, as well as the location itself. It has been found that this type of roost is also used in underground basements and bunkers, where the high humidity means that wood is undesirable. At the same time, the animals' preferences or the fact that they are used to a cooler or more humid hanging site make this type the recommendable choice.
In addition, this model offers an alternative clinging panel look, which can be helpful for individual projects from a planning point of view. Otherwise the 2FTH is largely the same as model 1FTH on page 54, it is possible to install a row of several roosts.

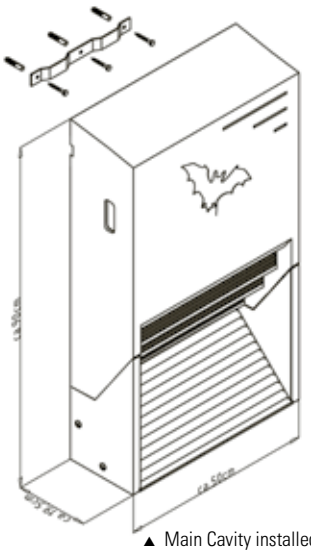
» Siting in the woods: Reduces the shortage of suitable tree cavities and gaps in young forests, reafforestation and parks. To this end, the 2FTH is installed, for example, on raised hunting hides or on stud walls.
If installed in a forest, a black coating is recommended, which can be supplied on request.
Occupants: Forest-inhabiting bat species such as Brown Long-Eared Bats, Nathusius' Pipistrelle Bats, Whiskered Bats, Noctule Bats, and others.
» Installation on a building: Use the enclosed fixing bracket (Figure 1) to attach to building façades and structures, e.g. bridges across bodies of water, motorway bridges, as well as inside buildings, e.g. attics, basements. Is also very suitable if installed in combination with other Bat Boxes.
Occupants: House-inhabiting bat species, including Serotine, Common Pipistrelle and Natterer's Bats.

Installation height: At least 3 m. The specially shaped fixing bracket is fixed onto the respective background with three screws and the 2FTH is hung in it.
Material: Weather resistant and breathable Schwegler lightweight concrete. Inside structured clinging panels made of Schwegler lightweight concrete, rear made of Schwegler wood-concrete with corrugated hanging structure, hanging fixings made of zinc-plated steel.
Cleaning and inspection: Self-cleaning. Cleaning is not necessary. Easy to inspect from underneath using a torch or mirror. The Universal Bat Box 2FTH cannot be opened.
External dimensions: W 50 cm x H 70 cm x D 19.5 cm. **Weight:** approx. 25.4 kg.
Colour: light grey, available in black on request. **Includes:** Roost, bracket, screws, plugs.
Order No. 00 772/8

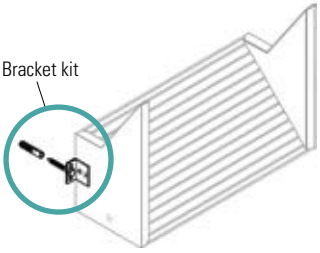
» MAIN CAVITY FOR RECESSED INSTALLATION 1FTH / 2FTH

▲ Main Cavity

With this entrance block it is possible to integrate the 1FTH and 2FTH directly into the masonry or the insulation. Due to the Main Cavity beneath the roost it is still possible to access all roost chambers. Thanks to the droppings chute, droppings usually dry before they fall out. Therefore, soiling of the façade is largely avoided. This Main Cavity is set under the 1FTH/2FTH for bricking in. To integrate the 1FTH/2FTH roost into the external thermal insulation composite system, it can also be fixed onto the wall using the fixing bracket and the Main Cavity is then placed on, or rather it is glued or bricked into, the insulation. By installing the 1FTH/2FTH together with the Main Cavity, very inconspicuous solutions can be achieved, e.g. in building conservation structures or especially designed façades.
Material: Schwegler lightweight concrete.
Outer dimension: Main Cavity only: approx. H 36 cm x W 50 cm x D 19.5 cm.
1FTH/2FTH with Main Cavity: approx. H 90 x W 50 x D 19.5 cm.
Weight: Main Cavity approx. 9 kg.
Colour: light grey.
Main Cavity Order No. 00 769/8



▲ Main Cavity installed with 1FTH / 2FTH



ACCESSORY » Bracket kit
An optional Bracket Kit is available for additional fixing on the wall.
Is used, e. g. on thermal insulation in order to fix the FTH Bat Box with Main Cavity on the concrete wall / masonry and then to attach the ETICS system. Bracket Kit cannot be used for side-by-side row.
Includes: 2 angle brackets, screws, universal wall plugs.
Order No. 00 773/5

» NESTING AIDS for solitary insects

Combining protection of species with an opportunity to experience nature! These Schwegler nature conservation products attract such beneficial creatures as solitary bees, sabre wasps, ants and spiders. And best of all, the creatures that one is protecting can be observed and their life cycles can be studied.

These Schwegler products provide homes for useful creatures such as Solitary Bees, Parasitical Hymenoptera, Ants, Spiders and other small creatures. They also let you study your Insects and observe their life cycle. Whether in the garden or on a balcony, these nesting aids are a reliable and relaxing way of making observations and gaining knowledge. Closer contact with this group of animals, and an awareness of their beauty, are the basis for greater respect for wildlife. These nesting aids are perfect for nurseries, schools, colleges and wildlife centres as well as private gardens. Their designs allow creatures to be observed with minimal disturbance.

Most species of Hymenoptera that live in hollows and recesses do not make the excavations themselves. Instead they occupy existing holes, made by certain types of Beetles, in which they construct their brood cells. Because they regulate the numbers of insect pests, Hymenoptera are of major ecological and agricultural (and also economic) importance. They also have an important part to play as pollinators in the balance of nature. Much of our countryside has been cleared and cultivated and consequently there are not enough natural nesting places. Everyone should make an effort to provide nesting aids for insects.

Suitable sites: There are no hard and fast rules for siting but care should be taken to select a sunny site that is protected from wind and rain. Examples of good sites include allotment sheds, pergolas, walls, gardens and even balconies up to the third or fourth floor. Nesting aids should also be left outside during the winter because otherwise the Insects will emerge from their winter hiding places too early and die.

Occupants: Hymenoptera such as Wild Bees, Sand Wasps and Common Wasps.

Effectiveness: The type of nesting aid that proves most popular with flying and other types of Insects will differ depending on the landscape and vegetation. In central Europe there are almost 600 species of Wild Bees, each with its own micro-climatic requirements with regard to habitat. Occupation densities vary among the different insect nesting aids depending on whether they are made of wood, clay, reed or wood-concrete. Simply hang up our different nesting aids and see for yourself.

Important! All the species that will use these nesting aids are peaceful and completely harmless to humans and pets.
These devices are maintenance-free, please do not try to clean, since you might destroy intact cells.

» INSECT HOUSE for solitary insects | DBP (patented)

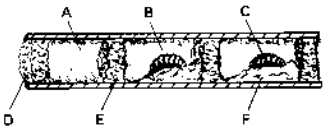
This is intended for the occupants described above (commonly called "Wild Bees"). For the first time, it is now possible to study the previously hidden life and development of our solitary Bees and Wasps by lifting out the front panel with its transparent nesting tubes. It is possible to watch the cycle from egg-laying to development of the larvae, right up until the time the insect leaves the brood chamber the next season. Note that it is essential to properly replace the front panel after each inspection to keep the insects in darkness.

Occupants and siting: Please see above. We strongly recommend sunny places for this device!
Material: Box: wood-concrete with weatherproof wooden front panel.
Interior: transparent nesting tubes of different diameters.
Especially for observation! As a pure Insect habitat we recommend the products on page 57.
External dimensions: W 21 x H 33 x D 15 cm.
Weight: approx. 9.2 kg.
Order No. 00 373/7

Transparent tubes can be obtained separately as replacements.

▲ Example of occupation

This diagram below shows the structure of a Mason Bee breeding tube:



A: empty cell
B: brood cell
C: larvae
D: nest seal
E: partition
F: pollen bread

brood cell with egg on pollen bread

brood cell with feeding larva

brood cell with pupa in cocoon, cut open

» CLAY & REED INSECT BLOCK

Nesting facilities made of clay and reeds are placed in a block made of heat conserving Schwegler wood-concrete. The solid structure keeps temperature fluctuations to a minimum and makes the block extremely air-permeable.
This nesting aid will be easily adopted on account of the various sized holes and materials that it contains. Supplied with galvanized metal strap.

Material: Clay and reed in weatherproof wood-concrete frame.
Dimensions: W 21.5 x H 30 x D 12 cm.
Weight: approx. 7.6 kg.
Order No. 00 377/5

Photo: © Adi Zobl

» REED INSECT BLOCK

Nesting facilities made of natural reeds are placed in a block made of heat-conserving Schwegler wood-concrete. Our reeds are obtained from carefully managed and insecticide-free areas in Europe. The solid structure keeps temperature fluctuations to a minimum and makes the block extremely air-permeable.
Supplied with galvanized metal hanger.

Material: Reed in weatherproof wood-concrete frame.
Dimensions: W 21.5 x H 30 x D 12 cm.
Weight: approx. 5 kg.
Order No. 00 374/4

» WOOD-CONCRETE INSECT BLOCK

Insect nesting aid made from special Schwegler wood-concrete that ensures a balanced interior atmosphere and is air-permeable.
Supplied with galvanized metal hanger.

Material: Schwegler wood-concrete.
Dimensions: W 14.5 x H 27 x D 8.5 cm.
Weight: approx. 3.7 kg.
Order No. 00 375/1

» HARDWOOD INSECT BLOCK

Traditional insect nesting aid made from domestically produced wood. Supplied with galvanized metal hanger. **As the product is made of solid wood, cracks cannot be prevented.**

Material: Hardwood (west-European native beech).
Dimensions: W 11.5 x H 24 x D 9 cm.
Please do not hang up in an exposed area. Protected hanging under eaves or similar is necessary.
Weight: approx. 1.8 kg.
Order No. 00 370/6

All the different types of Bumble Bees in Central Europe are under threat to some degree. Of the 29 species in Germany, 10 have already disappeared from some regions. Protective measures are essential, not only because of the rarity of these insects but also because of their importance for cultivated plants. The first step is to provide Schwegler Bumble Bee Boxes, followed by the cultivation of nectar-giving plants on which specific species depend, such as willow catkins and fruit. Bumble Bees are vital because of their specific characteristics. Those with short probosces fly when temperatures are lower (i.e. between +5 °C and –5 °C). By biting through the corolla tube, which contains the nectar in some flowering plants, they allow Honey Bees and Wild Bees initial access to nectar in the early part of the year. Bumble Bees, especially the queens, carry four times as much pollen per flight than Honey Bees or Wild Bees, and are considerably quicker.

Varieties with long probosces are: Bombus pascuorum, Bombus hortorum, Bombus sylvarum, Bombus ruderarius, Bombus humilis, Bombus subterraneus, Bombus distinguendus, Bombus veteranus.
Those with short probosces are: Bombus terrestris, Bombus mesomelas, Bombus lapidarius, Bombus pratorum, Bombus hypnorum.

» BUMBLE BEE BOXES DBP (patented)

▲ Overground Bumble Bee Box

▲ Bumble Bee nest

▲ Underground Bumble Bee Box

▲ during installation

» OVERGROUND BUMBLE BEE BOX, DBP (patented)

Siting: Private gardens, plant nurseries, orchards, parks, etc. Ideal for observing the various stages in the development of Bumble Bees because the lid can be opened at any time. The Bumble Bees will colonise these boxes on their own but details are also provided on how to place the queen in the box.
Material: Durable Schwegler wood-concrete.
Colour: Olive green coating.
Includes: Supplied complete with wool nesting material sufficient for one season. Instructions are supplied.
Dimensions: W 38 x H 38 x D 54 cm.
Weight: approx. 18.5 kg.
Order No. 00 350/8

ZUBEHÖR » Nesting Wool Annual Replacement Set

Annual Replacement Set for the Overground Bumble Bee Box. Prepare the bumblebee nesting box for the new season quickly and easily.
Includes: Nesting material/litter, nesting wool, cardboard entrace tube.
Order No. 00 352/2

» UNDERGROUND BUMBLE BEE BOX, DBP (patented)

Siting: This box is placed under the soil and is left for the queen to colonise. Being underground it is relatively safe from interference or vandalism and can therefore also be placed outside gardens or on public land without attracting any attention.
Material: Durable Schwegler wood-concrete.
Includes: Supplied complete with moisture-repellent nest wool. Instructions are included.
Maße: W 41 x H 22 x D 36 cm.
Weight: approx. 11.5 kg.
Order No. 00 355/3

ZUBEHÖR » Nesting Wool Annual Replacement Set

Annual Replacement Set for the Underground Bumble Bee Box. Quickly and easily prepare the Bumble Bee Box for the new season.
Includes: Moisture repellent nesting wool (kapok).
Order No. 00 356/0

Hornet protection In Germany and in some parts of Austria, Hornets enjoy special protection. It has now been proven that Hornets only attack for absolute self-defence, i.e. if they are pursued directly. Their sting is no more dangerous than that of a Bee. Only two species of Hornets live in Europe. Together with the small species of Wasps, these belong to the family of True Hornets (Vespinae) or Eusocial Wasps (Vespidae). These in turn, like for example the Bee family, belong to the large group (order) of Hymenoptera (meaning "membrane wing"). The Hornets feed off of nectar, fruit and plant sap, but they feed live captured insects and larvae (animal protein) to their offspring. To do this they also catch large able-bodied insects and therefore fulfil important regulating tasks in the species structure of nature. If this relational structure is disrupted, the probability of mass reproduction of insect species that are undesirable for humans, such as the Bark Beetle, increases. Did you know that a large Hornet colony feeds up to half a kilo of insects – Horseflies, Daddy Longlegs, Caterpillars, Wasps, etc. – to its young daily?

» HORNET STARTER BOX DBP (patented)

Especially during the time in which the nest is established, unfavourable factors such as bad weather, food shortage or the lack of suitable nesting options, which overstrain the young Hornet queen in her attempt to find a dry and safe place to build her nest and keep warm. Here the Schwegler Hornet Starter Box can help! Based on the latest Hornet conservation findings, it provides ideal climatic conditions for the young colony. The unique entrance, for which a patent is pending, minimises unwanted occupation by Birds, Bats and Mammals. The Schwegler Hornet Starter Box is suitable for beginning the nest and as a safehouse for smaller or late Wasp or Hornet colonies. If the colony grows favourably, from a certain size a filial colony is formed or the colony moves into a larger roost. We recommend our Schwegler Hornet Box (Order No. 00 360/7). In general, it is always advisable to use the Starter Box in combination with the Schwegler Hornet Box.

Weight: approx. 3.9 kg.
Ext. dim.: W 16 x H 35 x D 17 cm.
Entrance: ∅ 16 mm.
Includes: Nest box, galvanised hanger and aluminium nail.
Order No. 00 361/4

Siting: A minimum height of 1.5 metres is recommended, sunny locations are preferably accepted. In order to increase acceptance. Please note that the approach area should be hardly frequented by humans. For optimum development, the distance from the larger Schwegler Hornet Box should generally be around 10 to 50 metres (can vary depending on the surroundings).
Material: Schwegler wood-concrete. Hanger: steel, galvanised.

» HORNET BOX DBP (patented)

The Hornet Nest Box made of our tried and tested Schwegler wood-concrete has numerous advantages compared to Hornet Boxes made of wood:

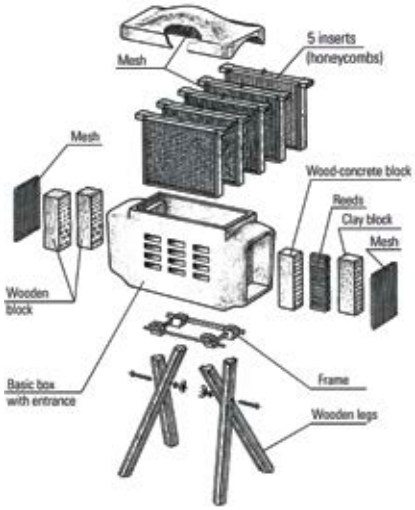
- Improved interior shape, which the animals prefer; more readily acceptable.
- Due to its insensitivity to weather, the durability is far longer than wood.
- Very favourable microclimate thanks to the tried and tested and durable Schwegler wood-concrete material. Wood-concrete does not warp with time, so that the microclimate in the box is not disrupted by draughts. Also, bright light cannot enter the inside of the box.
- Very suitable for independent settlement and for relocation campaigns.

Material: Schwegler wood-concrete. Hanger: steel, galvanised.
Weight: approx. 14.5 kg.
Ext. dim.: W 28 x H 60 x D 25 cm.
Includes: Nest box, galvanised hanger and aluminium nail.
Order No. 00 360/7

Siting: The Hornet Box can be installed at the edge of forest clearings, forest edges, in windfall areas, clear-cut areas, park landscapes, etc., especially attached to deciduous trees. Where possible, the hanging site should not be particularly conspicuous, to avoid provoking possible disruptions.
The direct air space, entry and exit area at the level of the Hornet Box must be free from branches. If several Nest Boxes are installed, the distance between them must be at least 100 metres, as otherwise proper territorial fights take place between the different Hornet colonies.
Height above ground: At least 4 m.
Cleaning: From April of the following year. Leave the old nest undisturbed throughout the winter, as "useful animals" such as Lacewings, Hornet Beetles, etc. like to spend the winter in it.
Occupancy: From May until late summer.
Precise documents on use are supplied with the Hornet Box.
Colour: Olive green coating.
Tip: Optionally, the Hornet Box can be fitted with two Hanging Blocks (Order No. 00 199/3, see page 73).

▲ Practical example

» INSECT COMBI DBP (patented)



▲ Individual components (overview)

▲ Insect Combi – all components

The Schwegler Insect Combination Box is designed to encourage useful insects to live in your garden. Internal slats filled with different natural materials offer suitable accommodation for many useful species which fulfil an important regulatory or pollination function in our natural world.
The Insect Combi eliminates the need for poisonous chemicals in a garden measuring up to 400 … 500 m²!
Pest damage in a garden or in the countryside can be seen when certain plants become weak and diseased, die off or fail to develop properly. To a certain extent plants can protect themselves against weather conditions but when subjected to attack by pests their only defence is to rely on the natural enemies of these pests. The Insect Combi helps to ensure the survival of these beneficial creatures.
The different layouts and materials used in the Combi attract a wide number of species of useful creatures and they can hide or overwinter in it. Occupants live relatively independently of one another and can survive even in unfavourable conditions. Most Insects fly into the box and those that cannot fly will climb into it from the specially designed wooden legs.

Occupants: Lacewings, Earwigs, Ladybirds, up to 200 different species of Wild Bees, Masked Hunters, Robber Flies, Thrips, Solitary Wasps and occasional Butterflies.
Siting: Sheltered from the weather in a sunny or semi-shaded spot in gardens, orchards, plant nurseries and parks. Long-term observations have shown that the useful creatures living in the combi will consume 60 – 90 % of the pests affecting cultivated and ornamental plants. These include, for example, Greenfly, Cabbage White Caterpillars, Cabbage Moth Caterpillars, Leaf-cutter Wasp larvae and Winter Moth larvae.
Material: The box is made of Schwegler wood-concrete, with natural nesting materials, galvanized metal supporting frame and wooden legs.
Dimensions: W 65 x H 50 x D 40 cm.
Height when fully assembled: 1 m approx.
Weight: approx. 50 kg.
Detailed instructions are included.
Order No. 00 386/7

» WATER DISH FOR BIRDS AND INSECTS

Thanks to its special shape with integrated podium, this Water Dish for Birds and Insects is optimally suited for moisture intake for both groups of animals. The red colour attracks Bees, Butterflies, etc.
Birds always need large amounts of water. They need water for their liquid intake as well as for bathing. For this reason, a water dish should be installed in every garden. This product is not suitable for the winter. Store inside the building during the winter months, or turn it over so taht water, snow and ice cannot accumulate and cause damage.
Material: Schwegler Lightweight Concrete.
Size: ∅ 50 x 10 cm.
Capacity: 3.5 litre.
Weight: approx. 13.5 kg.
Order No. 00 492/5

» LACEWING BOX registered design

Lacewings are useful insects that are natural enemies of Greenfly and Mites. Their larvae feed on smaller insect pests; during their two week development, each one can eat as many as 500 Greenflys.
Adult Lacewings survive through the winter but require shelter from mid September until the next spring.

Our Schwegler Lacewing Box is a secure place in which they can spend the winter and also provides the best possible protection against their natural enemies.

Siting: The Lacewing Box is supplied with natural straw and should be attached at a height of 1.5 to 2 m on a pole, mast or solitary tree, with the side containing the slats sheltered from the wind.
When to set it up: Large numbers of lacewings can be found from mid-September onwards on the outskirts of towns or villages, fields, meadows or fallow land. After the first frost the occupied box can be moved to a garden and set up near bushes and fruit trees ready for the next spring. It can be left outdoors all year round and requires no maintenance or cleaning.
Installation: Always all-year round in the outdoor area. Maintenance-free roost; no cleaning necessary.

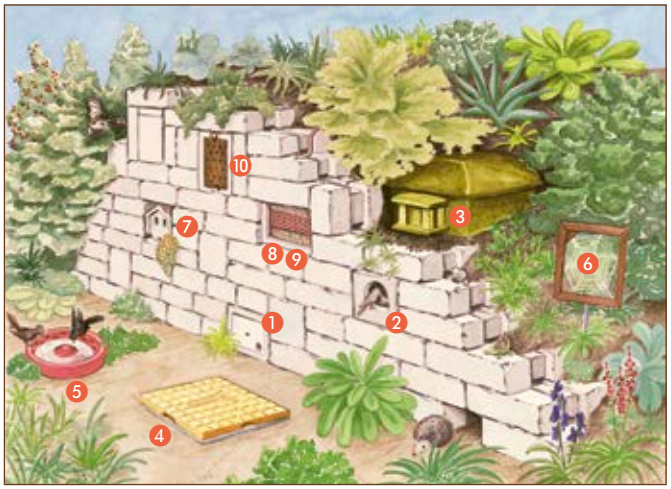
Installation height: 1.5 to 2.0 m.
Colour: The box is brightly painted red because lacewings see colours differently from humans and prefer this colour.
Material: Schwegler wood-concrete with galvanized steel hanger.
Dimensions: W 28.5 x H 30.5 x D 30 cm.
Weight: approx. 8 kg.
Includes: Lacewing Box, hanger and aluminium nail.
Order No. 00 385/0

» EARWIG TUBES

Earwigs feed mainly on greenfly, spider mites and insect larvae and eggs, as well as many of the smaller pests. It is extremely useful to gardeners in the battle against Greenfly. Earwigs are active at night and hundreds of them will gather in these tubes during the day to sleep.

Positioning: Place the tube on the cut off end of a branch. They should be located in a shady place about 5 to 10 cm above the ground. Other tubes can be distributed among bushes, trees or shrubs. Always ensure that they are not exposed to too much sunlight. In vegetable beds place the tube over a short stick about 3 to 5 cm above the ground. They require no maintenance or cleaning and can be left outdoors all year round.
Occupancy: From early May to late autumn.
Includes: 3 tubes.
Material: Schwegler wood-concrete.
Dimensions: ∅ 6 cm x height 10 cm.
Weight: approx. 0.2 kg each tube.
Order No. 00 380/5

▲ Sales packaging

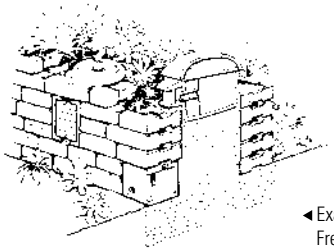


▲ example: Wall with nine built-in, nest and observation blocks (Bumble-Bee Box, Insect Nest Box, Ant/Observation Block, Insect Nest Wall, Bird and Insect Water Dish, and much more).

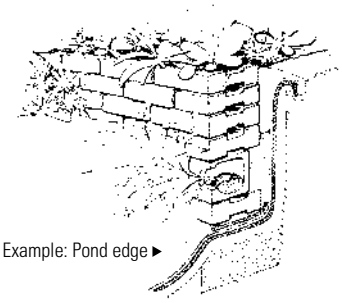
With the enormous consumption of landscape by our civilisation, not only conservation areas, but also our gardens and open spaces have become the final refuges and safe havens for the endangered animal and plant world. With a natural stone wall a wonderful habitat can be created in the garden for different animal and plant species.
By combining the wall with Schwegler products and suitable planting, an attractive and living refuges is created, e.g. for Insects, Small Mammals, Birds, and Lizards. A south-east orientation with free sunlight incidence is idea, although other positions also function at all times in order for an individual animal and plant world to settle. Suitable natural stones or concrete blocks can be found, for example, in building trade outlets, gardening and landscaping suppliers, etc.
Schwegler built-in elements can be easily integrated in structures, regardless of whether a wall, herb spiral or stone wall. Diverse installation ideas can be realised. How about a living garage wall, wall sections as a garden element, retaining wall, herb spiral, raised bed wall, etc.?
Other products can also be installed in the wall area and can be integrated in the planting. For a living oasis on your property.

» NEST ELEMENTS FOR INSTALLATION IN STONE AND NATURAL WALLS Examples

◀ Example: Herb spiral



◀ Example: Freestanding wall



Example: Pond edge ▶

Built-in modules and individual products for walls, spirals, etc.
Detailed descriptions are given at the respective products in the catalogue.

❶ **Small Mammal Block Typ 28** (for description, see page 41)
suitable for Small Mammals and Lizards, install near the ground.
Order No. 00 745/2

❷ **Open-Fronted Nest Box Type 26** (for description, see page 41)
for rock shelter or niche breeders, attach as high as possible. Where there are lots of predators, for example, Cats, Martens, Magpies, Jays, Racoons, the block should be mounted very high in a protected position only or use our ❼ Niche Nesting Box (page 63).
Order No. 00 730/8

❸ **Bumble-Bee Box, above-ground** (for description, see page 58)
Order No. 00 350/8

❹ **Ant/Observation Block** (for description, see page 64)
Order No. 00 378/2

❺ **Bird and Insect Water Dish** (for description, see page 60)
Order No. 00 492/5

❻ **Spider Frame**

"Spiders are horrible!" Unfortunately these words are heard all too often but anyone who has observed the fascinating life of Spiders will soon change their mind. This wooden frame attracts Spiders which spin circular webs. To make observation easier, the frame can be placed in a typical Spider habitat. The spiders will adopt the frame of their own accord and do not need to be placed in it. The rectangular frame contains a weatherproof corner, called a retreat, where the Spider is also protected from its enemies.
Siting: In a meadow, approx. 20 cm above the ground, on the edge of beds of shrubs, by bushes, or close to a building.
Material: Wooden frame with galvanized steel peg.
Dimensions: W 33 x H 35 x D 2 cm, plus peg 30 cm.
Weight: 0.62 kg.
Order No. 00 379/9

» NICHE NESTING BOX Built-in module

7

Built-in module for rock shelter and niche breeders. Due to the design of this box with double entry, the small predator protection integrated in the inside of the brood chamber is very effective. This type of box is safe against Magpies, Cats, Martens and Jays because, due to the penetrating brightness, the birds always build their nest in the rear area of the brood chamber insert. Another advantage of the brood chamber insert is that the parent birds can provide for their young from the antechamber. With Brood Chamber Insert and Reeds for side padding in the masonry wall.
Occupants: Black and Common Redstarts, Robins, Wrens, Tree and House Sparrows.
Colour: Carcass: natural grey/raw*.
External dimensions: W 20 x H 20 x D 30 cm.
Brood chamber inside: W 15 x D 21 cm.
Entrance hole size: 30 x 50 mm.
Material: Nest box made of Schwegler wood-concrete, brood chamber insert made of wood.
Weight: approx. 5.6 kg.
Order No. 00 704/9

» INSECT NESTING WALL CLAY/REEDS Built-in module

8

Inset nesting wall for Solitary Insects. Nesting options made of clay and reeds are inserted into a carcass made of heat storing Schwegler wood-concrete. The solid construction minimises temperature fluctuations and is extremely breathable. This nesting aid is very readily accepted due to the large number of different nest diameters and materials. Attach in very sunny places.
Colour: Carcass: natural grey/raw*.
Dimensions: W 20 x H 30 x D 15 cm.
Weight: approx. 7.5 kg.
Order No. 00 371/3

» REED INSECT BLOCK Built-in module

9

Nest boxes made of natural reeds are inserted into a carcass made of heat storing Schwegler wood-concrete. We purchase our reeds from controlled European regions without exhaustive cultivation and insecticides. The solid construction minimises temperature fluctuations and is extremely breathable.
Material: Reeds with weatherproof wood-concrete carcass.
Colour: Carcass: natural grey/raw*.
Dimensions: Carcass W 21.5 x H 30 x D 12 cm.
Weight: approx. 7.1 kg.
Order No. 00 369/0

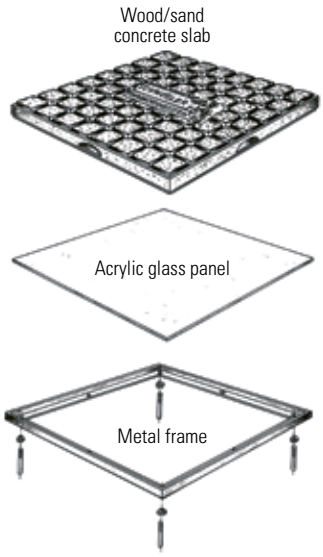
*All built-in modules are supplied in natural grey. Sand-yellow is available on request.

» INSECT NESTING HOUSE FOR OBSERVATION Built-in module

10

Front panel removable, as with Insect House on page 56; attach in very sunny places.
Colour: Carcass: natural grey/raw*.
Dimensions: W 20 x H 30 x D 15 cm.
Weight: approx. 6.7 kg.
Order No. 00 376/8

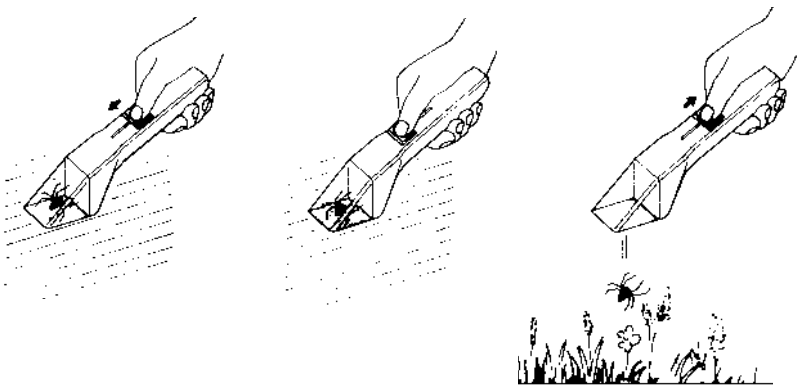
» WILDLIFE PAVING STONE Patent pending



For settlement and for non-distruptive nature observations of "useful creatures" and other small creatures living under the slab. Ants and other animals in the cellar and garden residents use the observation block as a daytime hideaway or winter home. Up to 70 species have been found. You can remove this observation slab as often as you want safely, for example, without disrupting the ants' young and the colony's passageways.
Description: The thermal store made of special wood-sand concrete sits on a non-slip metal frame with an incorporated acrylic glass slab.
Siting: In a field or in the grass, in sunny or semi-shaded positions.
Dimensions: ⌀ 40 x 40 x 5 cm.
Weight: 13.5 kg.
Occupants: Ants, Snails, Woodlice, Brown Centipedes, Ground Beetles, Spiders, Earwigs and Earthworms, Millipedes, Grubworms and many others.
Order No. 00 378/2

» INSECT-SNAPY® insect and spider catcher

"Protect and conserve instead of killing and destroying" is the idea behind this device. Its main advantage is its ease of operation: The floor of the Snapy® is drawn back and the tool placed over the Insect. The floor is then carefully pushed forward. The Insect is released outside by drawing the floor back again.
The actual colour of the product may differ from the image. White with different coloured shutter, a random colour will be sent.
Order No. 00 285/3



» HEDGEHOG DOME WITH INSULATED BASE

The Hedgehog is the oldest living species of mammal. The excellent protection offered by its spines have enabled it to survive relatively well for thousands of years. When in danger it rapidly rolls up into a ball and extends its spines, making it almost impossible to attack. This species only began to face serious danger in the modern age, with the introduction of many poisonous chemicals, over-cultivated landscapes devoid of hedges, undergrowth and piles of weeds, and excessive traffic. Hedgehogs like undergrowth, thick hedges and piles of wood, brushwood, hay or straw, where they can hide during the day or construct a nest. They also seek out old boxes, or make a home for themselves under stairs or in garden sheds. Mostly they prefer slightly neglected gardens or plots of land which have not been sprayed with poisons and contain no slug pellets, which are fatal for them. The Hedgehog is a nocturnal animal that goes in search of food at dusk. They are very beneficial to us because they consume what we consider "pests", such as Snails, Caterpillars, Beetles, young Mice, etc. Anyone who has a Hedgehog, or a family of them, in the garden should do everything possible to enable these useful animals to remain.

A Schwegler Hedgehog Dome is ideal if you want to help the Hedgehogs in your garden: just unpack it and place it in position, that's all you have to do. The Hedgehog Dome offers the Hedgehog everything it needs, except perhaps for food: a weatherproof cover, an insulated floor and soft hay in which to hide.

The Schwegler Hedgehog Dome encourages Hedgehogs to settle in a particular area and provides year-round shelter, including during the winter months. Detailed instructions are supplied.
Siting: Preferably at the edge of the property, the entrance to the dome should be protected from draughts and direct sunshine (side facing away from the weather). Where possible, the entrance should not lead through lawns or area of grass that are mostly damp at night.
Nest material: Hay or scrunched up balls of newspaper can be used as nest material. Special untreated hay is included.
Material: Insulating Schwegler wood-concrete.
Colour: Brown protective coating for a balanced temperature.
Entrance: 11 x 12 cm.
Internal dimension: ⌀ 44 cm.
External dimension: ⌀ 48 cm.
Height: 30.5 cm.
Weight: approx. 17 kg.
Order No. 00 390/4

▲ Hedgehog Dome with insulated base

Hedgehog food can be found in the separate Feed Products Catalogue!

Create a safe home for our nimble friends! Few animals awakes so much enthusiasm in us as the diurnal tree imp. The Red Squirrel (Sciurus vulgaris) that lives in Germany can be found equally in urban and in rural areas and has many different fur colours – from light brown to red to dark brown. In dormant phases and to rear young animals, it withdraws into so-called "dreys" (stick nests), of which it makes several: There are summer, winter and litter dreys, some animals also differentiate between day and night housing. All dreys have in common that they have two (to three) exits, which are used for fast escape in case of pending danger. Squirrels need our help, because this animal species also depends on possibilities to retreat in a world that is increasingly fragmented for animals. Whereas Squirrels used to have their young once or twice a year, it now often has three litters a year due to climate change. Especially during the sensitive phase of rearing their young, a safe place is vital to protect the animals from their enemies. We humans also represent danger with our large traffic volumes and by increasing the scarcity of habitats for wild animals.
The role of the Squirrel in nature: The agile rodents have an important function in propagating tree seeds and nuts. By collecting and hiding food in different areas, Squirrels help to spreading plant seeds in the surroundings in diverse ways.

Working with the squirrel rescue association, Eichhörnchenhilfe Stuttgart, we have developed two Squirrel Houses: a special, more spacious litter drey and a drey inhabited by young animals outside of their rearing. The Squirrel Drey should be attached to a tree in a place facing away from the rain at a height of at least four metres and should always provide the animals with the opportunity to escape. This includes adjacent trees or bridging the distance to them with climbing ropes.

Why two new Schwegler product developments? A special feature of Squirrels is that they not only inhabit one drey, but always create several stick nests. The reasons for this are diverse: If Squirrels have to leave a drey because of danger, they can always retreat to another one. Season-specific dreys are also created and a particularly large and well-padded one for rearing the young animals. Squirrel children are born naked and with closed eyes and weigh around 12–15 grams. They do not open their eyes until the 32nd/33rd day and are therefore dependent on their mother, who breastfeeds them until the age of around six weeks when they repeatedly venture out of the drey and thus begin to eat solid food. We have based our products on the lifestyle of Squirrels and in addition to the Rearing Drey, we also offer a Litter Drey, which is very important for many weeks of the year (Squirrels have 2–3 litters). If a Squirrel mother considers here Litter Drey to be threatened, she will not delay and transports the young to another drey. The more dreys we offer the animals, the more we do for the survival of the population.
Natural enemies: Domestic Cats, Raccoons, Martens, Raptors, Corvids.
Siting: place on the tree trunk facing away from the rain or on the house wall.
Installation height: at least 4 metres, the higher the better.
Tip: Offer Squirrels the wool we supply as building material. It has a natural antibacterial effect, is warming and the fibres do not lead to fatal strangulation as can occur with other materials. The Rodents are also pleased to eat a piece of apple now and then, however, do not offer them exotic foods such as peanuts or almonds.

Found animals or when does a Squirrel need help?
If a Squirrel is demonstrably in need (injured or orphaned), it may be secured and must be handed over to an experienced body as quickly as possible. We strongly advise against attempts to rear cute Squirrel offspring yourself, as they mostly fail and are luckily also prohibited by law. If young Squirrels seek the proximity of people, they are in need and are not, as often incorrectly assumed, rabid. If you should find a squirrel that is injured or in need of help, please contact a Squirrel rescue station immediately.

> "Common prejudices and why they are not true."

"Squirrels are nest robbers?"

Observations that showed Squirrels leaving a nest with a naked baby bird mostly proved to a breastfeeding Squirrel mothers transporting their still naked Squirrel babies from a drey to another hide-out and not a stolen young bird. Squirrels cover their need for protein by occasionally eating insects – and their need for calcium by nibbling antlers or bones or eating bird eggshells. Squirrels do not constitute a problem for our birdlife!

"Only Red Squirrels are indigenous?"

One prejudice that has proven to be particularly persistent: With a darker fur colour are not indigenous and Squirrels expel Red Squirrels. That is definitely not true! We humans have different hair colours, Squirrels have different fur colours, which range from light red to dark brown, almost black. Individual litters can also have different fur colours. Regardless of their outer fur colour, all have a white stomach. The larger American Grey Squirrel is not yet found in Germany!

▲ moving the young into another hide-out is not unusual

▲ Rescue stations provide professional help, Photo: © Iris Kubik

▲ the Rearing Drey is eyed inquisitively, Photo: © Tanja Horak

▲ Hemp wool, the ideal nest material, Photo: © Iris Kubik

» LITTER DREY FOR SQUIRRELS registered design

Squirrels find protection in the Litter Drey, it is a place in which they can give birth to their young, sleep and rest. The drey has two entrance/exit holes and a balcony where the young can start their initial climbing attempts. The roof is roughened to provide grip for the animals.

Material: Schwegler wood-concrete. Hanger: steel, galvanised.
Dim.: W 40 x H 44 x D 40 cm.
Interior nesting chamber: ∅ 20 cm.
Colour: olive green.
Weight: approx. 12,6 kg.
Includes: Drey, Hanger, Mounting Block, Aluminium Nails, Bedding.
Order No. 00 177/1

Photos: © Tanja Horak

» REARING DREY FOR SQUIRRELS registered design

This special Rearing Drey with large interior is optimal for rearing the young animals. The drey has two entrance/exit holes and a balcony where the young can start their initial climbing attempts. The roof is roughened to provide grip for the animals during the dormant phase.

Material: Schwegler wood-concrete. Hanger: steel, galvanised.
Dimensions: W 46 x H 36 x D 50 cm.
Interior nesting chamber: W 30 x H 34 x D 30 cm.
Colour: oliv green.
Weight: approx. 21 kg.
Includes: Drey, hanger, two Mounting blocks, aluminium nails, bedding.
Order No. 00 00 178/8

Photo: © Tanja Horak

An Automatic Feeder and Feeder for Squirrels can be found in the separate Feed Products Catalogue!

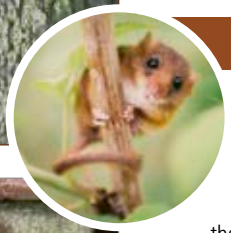
Central Europe is the habitat of the Forest, Garden and Edible Dormouse as well as the Common Dormouse. Dormice are mainly found in broadleaf and mixed woodland that is safe from flooding, as well as in wild gardens and meadows interspersed with fruit trees. They inhabit lowland areas as well as the central highlands. The continued existence of domestic Dormice is now under serious threat. The far-reaching destruction of what were formerly widely distributed, natural and open woodlands with their relatively high proportion of fallen trees has deprived these animals of their ideal habitat. Their disappearance leads to a severe ecological imbalance. Dormice are excellent climbers and tend to be most active at dawn and dusk and during the night. Depending on type and habitat, Dormice can hibernate for up to seven months of the year.

The KS series has been continuously developed in order to provide an important, alternative refuge for Dormice. Therefore, it enables a low cost contribution to preserving woodland wildlife. The various access holes facing the tree trunk discourage Birds from occupying the box but are ideal for Dormice as well as protecting them from predators (it is important to ensure that the tree trunk is of a suitable diameter). The patented design of these forestry-approved boxes ensures that they are long-lasting, secure and ideal for the intended species, and the trunk cannot grow over the hanger. They can be hung up in dry and widely spaced broadleaf and mixed coniferous and broadleaf woodlands, as well as on the edges of woodland with dense undergrowth, in meadows interspersed with fruit trees and in large, wild gardens.
Height above ground: 1.5 – 3 m, on trees with a trunk diameter of 20 – 30 cm.
Inspection and cleaning: from the front, by means of the removable front panel, which means that the box does not have to be taken down from the tree. Cleaning is usually undertaken between January and March. **IMPORTANT … watch out for hibernating animals!**

» EDIBLE DORMOUSE BOX 1KS

Dormice depend on lairs in natural deciduous woods. If these are not available they become easy prey for their natural enemies such as Martens and Owls. They value the Box 1KS as a safe roost; depending on the area, for hibernation in the winter too.
Occupants: All indigenous Dormice (Edible, Garden, Forest and Common Dormice).
Entrance: ⌀ 40 mm.
Dimensions: W 17.5 x H 29.5 x D 22.5 cm.
Interior: 12.5 x 12.5 cm.
Weight: 5.7 kg.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Includes: Box, hanger, aluminium nail.
Order No. 00 460/4

▲ large entrance hole on the tree trunk



▲ Common Dormouse in 2KS

» COMMON DORMOUSE BOX 2KS

With a body length of 6 – 9 cm, a weight of approx. 15 – 20 g and a tail of almost equal length, the Common Dormouse is the smallest variety found in Central Europe. It is severely endangered over much of this region, and in many cases has disappeared completely. For this reason, in accordance with the EU Fauna Flora Habitat (FFH) Directive, this animal and its habitats enjoy special protection in all member states of the European Union. The Schwegler Dormouse Box has proved its practical effectiveness and is ideally suited for supporting populations of these creatures and for checking on their numbers. The smaller entrance hole and Dormouse barrier makes it difficult or even impossible for other animals to gain access. For improved protection the distance between the rearmost barrier and the tree trunk should be max. 2 – 2.5 cm, which can be achieved on tree trunks with diameter 20 – 30 cm.
Occupants: Common Dormouse.
Entrance: ⌀ 26 mm.
Dimensions: W 17.5 x H 29.5 x D 22.5 cm.
Interior: 12.5 x 12.5 cm.
Weight: 5.8 kg.
Material: Schwegler wood-concrete Nest Box. Hanger: steel, galvanised.
Includes: Box, hanger, aluminium nail.
Order No. 00 461/1

▲ small entrance hole and Dormouse barrier

Every year countless numbers of Frogs, Toads, Newts and Salamanders are killed on the roads on their way to their spawning grounds.

In each location, hundreds and even thousands of animals can die.
An effective and simple way of preventing this is to set up our Rescue Fence. This guides them safely towards containers which are buried in the ground and into which they safely fall. The animals are then regularly collected, brought over to the opposite side of the road and released near the ponds where they spawn.
The Schwegler Amphibian Rescue Fence contains everything needed to provide rapid assistance.
The highly tear-resistant HDPE synthetic fabric is suitable for all weathers and, being UV-stable, will last for many years. It is water- and dirt-repellant and is more effective at resisting gusts of wind than plastic sheets. Under practical conditions the material and the height of the fence have proved to be highly effective. The Schwegler Rescue Fence for amphibians has been designed for temporary erection when the animals are migrating, and the emphasis is on rapid and flexible installation.

» AMPHIBIAN RESCUE FENCE made of special wind-permeable fabric

▲ rescued Toad

▲ container buried in the ground

▲ complete fence

▲ fence with adjustable net holder

100 m Rescue Fence includes:

- » 100 m green woven plastic netting, height 50 cm
- » 60 galvanized supporting posts
- » 60 height adjustable net holders
- » 100 galvanized pegs
- » 6 net connectors (used when joining two 100 m nets)
- » 10 buckets to catch the amphibians

All components are also available individually at any time as replacements.

One of the advantages of the woven netting is its lightness, which ensures it does not billow in the wind and is not deformed by sunlight. However, the mesh is sufficiently small that Newts, etc., cannot slip through. The net is easily and rapidly attached to the posts using the adjustable net holders.

The metal supporting posts are pushed (or hammered) into the ground and the net holders are fixed onto them. The button tape of the plastic netting is now buttoned into the height-adjustable net holders and the bottom hem is secured with the pegs, with soil or stones or if necessary is buried. The net connectors can be used to join several 100 m of netting together in a row.

» Complete fence 100 m, Schwegler Amphibian Rescue Fence
Delivery including accessories as listed on the left.
Order No. 00 550/2

ACCESSORIES » Netting only
Individual roll of woven fabric (without accessories) for use as spares or for attaching to existing fences adjacent to roads or similar sites. Ideal for attaching by means of cable ties to mesh fencing.
Dimensions: length 100 m, height 50 cm.
Order No. 00 551/9

» BIRD SILHOUETTES

Birds are unable to recognise a transparent pane of glass. We can help to prevent them from flying into glass and killing themselves by applying these silhouettes of Birds of Prey to windows, conservatories, noise protection screens, bus shelters, etc. Official studies have shown, for example, that two Birds are killed annually for each running metre of transparent noise reduction screens. This is a shockingly large number and every effort should be made to avoid further losses. In a time during which nature is becoming increasingly depleted, we should avoid doing anything that causes further victims in the bird world and sacrifices nature. Stickers attached close together over the entire surface, for example, silhouettes, patterns, stripes, are ideal for completely preventing bird strikes.

Material: Self-adhesive, high quality plastic film, UV-resistant, which will last many years outdoors.
Density: In an extreme case, up to 9 motifs may be necessary for a window area of one square metres. It is sometimes useful to stick them on both sides (mirror effect).
Sheets: Each sheet contains three silhouettes in different sizes.
Cleaning: Clean only with water and not with any abrasives. Never use stringent cleaning products; also in the interest of the environment.

Black silhouettes
Order No. 00 436/9

» WINDOW STICKER

Stickers for windows, conservatories and other glass surfaces. Visible from the inside and outside. Adherent without adhesive, can be pulled off without leaving behind residues and reusable. Can be wiped off with all standard glass cleaners.

Application: Clean the glass surface with a damp cloth. Position window stickers on the glass surface and press the surface with wiping movements towards the edge to remove air bubbles.
Size: 310 x 310 mm.
Contents: 2 sheets, 12 stickers.
Order No. 00 434/5

Photos: © Komar

» CAT DETERRENT

This is used to prevent Cats from climbing trees and reaching Birds' nests. The individual links are inserted into one another to match the circumference of the tree trunk. On trees with small trunks two can be mounted one above the other for added security. Supplied together with protective plastic caps for the long wire ends.

▲ easy assembly of the individual elements

Installation: The shorter spikes should be at the top.
IMPORTANT! Always install well above head height to ensure there is no risk to children or others playing around the tree. Protective plastic caps enclosed.

Type for trees with a circumference of up to 70 cm.
Order No. 00 260/0
Type for trees with a circumference of up to 115 cm.
Order No. 00 270/9

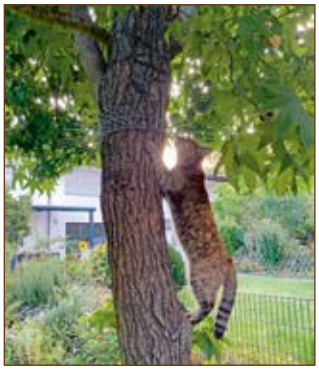
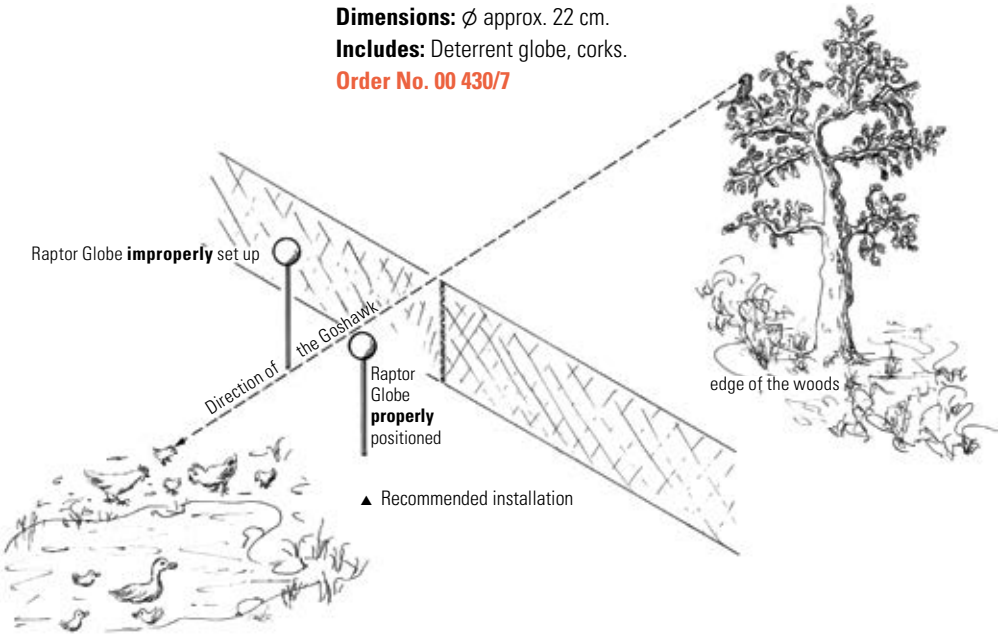


Photo: © Anja Köster

» RAPTOR GLOBE

This has been successfully used for decades to repel Birds of prey in poultry pens, to protect free range hens, dove-cotes, pheasantries and open gardens. The Birds of Prey are frightened by their own reflection when they fly towards the globe.

Siting: Place near the Hens, etc., you are protecting. If possible, position midway between them and the perch used by the raptor. Precise positioning details are supplied.
Material: High quality glass with inner silver coating. Fit onto a wooden pole such as a broom handle, for example (not supplied). The cork supplied with this item must be used to form an insulation barrier between the glass and the pole.
Dimensions: ∅ approx. 22 cm.
Includes: Deterrent globe, corks.
Order No. 00 430/7



▲ Recommended installation

» LIGHTWEIGHT LADDERS

These are indispensable when setting up or maintaining a nest box project in parks and woodlands. They fold up easily in three sections and have proved to be both effective and practical. Available in two lengths. **GS and TÜV tested.**
Three-piece, only available as a complete unit, with safety attachment strap and carrying strap.

» Ladder Small » approx. 3.40 m
Weight: 9 kg.
Length: folded up approx. 1.35 m, extended approx. 3.40 m.
Order No. 00 410/9

» Ladder Large » approx. 5 m
Weight: 13 kg.
Length: folded up approx. 1.90 m, extended approx. 5 m.
Order No. 00 411/6

▲ Support example

» NEST BOX HANGING POLE

The Schwegler Nest Box Hanging Pole is suitable for conveniently hanging up or suspending Type 1B Nest Boxes (page 8), 2M (page 9) with hanging variants FO and FT, 3S Starling Boxes (page 11) and Open-Fronted Nest Box 2H (page 12) in higher mounting locations, e.g. higher up on the tree trunk, without using a ladder. It can be dismantled into two pieces for easier transport and storage. They can be quickly and easily screwed together in the field.
Also suitable in conjunction with the »C Block (Order No. 00 193/1, see page 73).
Total length: mounted approx. 2.4 m.
Metal parts galvanised.
Order No. 00 510/6

two-piece with screw thread – total length approx. 2.40 m

» NEST BOX CLEANING TOOL

This is highly recommended and may prove indispensable for cleaning boxes such as the 1B, 2M, 2H, 3SV etc.
This quality product has a wooden handle providing a firm grip, galvanized metal rod and three "claws". It is equally useful for cleaning the nest boxes of Little Owls and other types of Owls.
Order No. 00 520/5

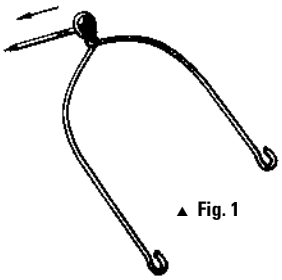
» NEST DEPOT filled with kapok and wool padding

Why not set up one of our Nest Depots to let you observe Birds and help them during the time-consuming work of building their nests? It is filled with kapok and wool padding which songbirds of all kinds will readily use to construct their nests. It is reusable and easily refilled.
Material: Coated sprung steel.
Siting: Under eaves, etc., protected from rain. This will let you watch Birds close up. In schools and nurseries it can be placed close to a window if desired.

The Schwegler "Nest Depot" is a reusable product that is easy to refill. The "spring" is simply pulled apart. It returns to its original shape after being filled.
» Nest Depot **Order No. 00 401/7**
» Nest Depot Refill made of kapok and wool padding **Quantity:** approx. 9 – 10 fills. **Order No. 00 402/4**

The **patented** Schwegler **Forest Hangers** are also available individually and can be reordered as a replacement!

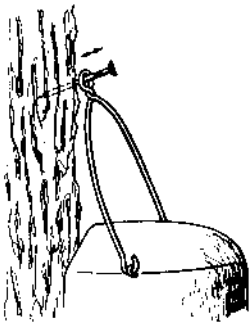
Please remember that trees can grow at different rates. Do not hammer the nails too far into the trunk. When suspending boxes with a built in block (see Nuthatch, Owl and Bat Boxes) sufficient space should also be left between the head of the nail and the block.



▲ Fig. 1

» STANDARD HANGERS FOR BIRD BOXES DBP (patented)

Please note, that each Schwegler standard nestbox is already delivered with hanger and nail.
The patented Schwegler nestbox hangers are available for replacement even after decades.
Description of mounting: The special Schwegler Aluminium Nail should be hammered halfway into the tree, inclined slightly upwards at an angle of approx. 45°. Tilt the nest box slightly and hook the eye of the hanger over the head of the nail as if you were doing up a button. The box can then be rested against the tree, as shown in Fig. 1+2.



▲ Fig. 2

The advantages of this type of mounting are:

- The box can be checked from the ground or using the Schwegler Lightweight Metal Ladder (see page 72) and Nest Boxes can be easily installed or removed.
- Because Schwegler Aluminium Nails have a smooth shaft, they can be easily removed from the tree trunk using pliers, even after many years. Unlike with grooved nails, only a small scar is left on the trunk.
- The nesting box cannot be accidentally knocked off (eg. by a pole) because, unless the box is twisted to one side, the hanger cannot be pulled or knocked over the head of the nail. The loop of the hanger has a smaller diameter than the head of the nail.

The patented Schwegler nestbox hangers are available for following nesting boxes and can be ordered separately, e.g. for replacement. Replacement hangers are supplied without nail and nest box**.**

For Nest Box / Type	Hanger	Page	Order No. Replacement hanger
Nest Box **1B**		8	00 191/7
Open-fronted Nest Box **2H**		12	
Nest Box **3SV**		11	00 192/4
Nest Box **2GR**		10	
Nest Box **3S**		11	
Open-fronted Nest Box **2HW**		12	
Deep Nest Box **1N**		13	
Nest Box **2M**	FG loop	9	00 194/8
Nest Box **2M**	FO hook	9	00 195/5
Nest Box **2M**	T-Hanger (without nail)	9	00 196/2

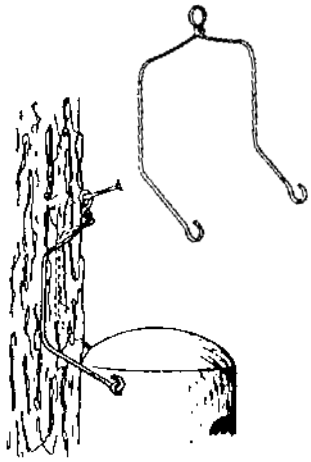
The other hangers are also available on request. We are happy to assist you.

▲ Fig. 3

▲ Fig. 4

» HANGING BLOCKS

» C-Block for Nest Boxes (see Fig. 3) **Order No. 00 193/1**
Suitable for Nest Boxes 1B, 3S, 3SV, 2GR, 2H, 2HW, 1N, etc. Delivery without nails.
» Hanging Block with hook (see Fig. 4) **Order No. 00 199/3**
Suitable for the Universal Bat Box 1FFH, the Hornet Box and the Rearing Drey for Squirrels.
Please note: For the installation, you need two Blocks (PU: 1 Block, 3 Aluminium Nails).



» STANDARD HANGERS FOR BAT BOXES

For installation and removal the loop and nail principle applies – please see above. The special shape of the hanger means that only one Aluminium Nail is required to hold the box in a stable position on the tree trunk, as preferred by Bats. To ensure firm contact between the back of the box and the tree trunk, the sides of the hanger can be pressed together to match the radius of the trunk. Note the additional information about installing Bat Boxes on page 42.

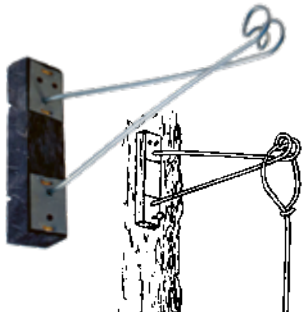
The following hangers can be ordered as replacements for Bat Boxes:

For Bat Box	Page	Order No. Replacement hanger
2F	43	00 189/4
2F with Double Front Panel	43	
2FN, 3FN	44	
1FD	44	
1FF, 3FF	47	00 197/9

» ALUMINIUM NAIL

This nail is made of an aluminium alloy and has a smooth shaft for easy future removal. It is ideal for hanging nestboxes, since it does not damage the tree or create problems when the lumber is eventually cut and processed. The worldwide forestry standard for more then 35 years.
The Schwegler standard Nest Boxes are supplied with hanger and nail(s).

Standard Aluminium Nail or Nest Boxes ⌀ 5 x 85 mm (unit price) **Order No. 00 440/6**
Standard Aluminium Nail or Nest Boxes ⌀ 5 x 85 mm (pack of 25) **Order No. 00 442/0**
Mini Aluminium Nail for fixing signs to trees, etc., ⌀ 2.8 x 45 mm (unit price) **Order No. 00 438/3**



» T-HANGER

Spacer for use when hanging up Type 2M/FG Nesting Boxes on trees or buildings.
Also suitable for Bird Feeders. Supplied without Aluminium Nail, order separately if needed, see above.
Order No. 00 196/2

» NESTING CHAMBER INSERT for 1N and 2HW for replacement

To ensure proper protection against predators the 1N (page 12) and 2HW (page 13) Nest Boxes need to be equipped with this insert. For replacement only, since boxes are delivered with insert.
Order No. 00 826/8

» PREDATOR-PROOF FRONT PANEL for Nest Boxes 1B and 2M

In areas where Cats and Martens can be a danger to nesting Birds, the 1B (page 8) and 2M Nest Boxes (page 9) can be equipped with this protective front panel. It can also be ordered for nest boxes already in use (the whole front panel is replaced). The special shape and mesh-style design allows light to still enter the box.
For manufacturing reasons the grill can only be supplied together with the wood-concrete front panel.

Available entrance hole sizes:
Front Panel with entrance ⌀ 26 mm (without Nest Box) **Order No. 00 819/0**
Front Panel with entrance ⌀ 32 mm (without Nest Box) **Order No. 00 820/6**

» AROMATIC ANIMAL REPELLENT against Martens as well as Dogs and Cats

This substance can be used to repel Martens, Cats and Dogs around the house and in the garden. Also suitable for garages and in cars, and for keeping Martens away from nesting boxes during the breeding period. This product can be very successfully deployed in a range of nesting boxes,including our Little Owl tubes. It is advisable to only trickle this substance into porous materials such as softwoods, clay or tiles, to ensure that it evaporates slowly. In covered areas it remains effective for 5 – 7 days. Dampness intensifies the odour temporarily but will also cause it to dissipate more quickly too. Not recommended for use in enclosed living spaces. Do not apply directly to painted or highly glossed surfaces (it causes unsightly patches), and please read the safety instructions before using.
Biocides should always be used with care!
Sites where it can be used: roof spaces, engine compartments, smaller tool sheds, nesting spaces etc.

» 50 ml Bottle for applying droplets **Order No. 00 420/8**
» 150 ml Spray bottle **Order No. 00 425/3**

Do you have any questions? We will be pleased to advise you! Phone +49 7181 97745-0

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