

fischer 

GreenLine.
The fastening range
made of renewable
raw materials.



Environmentally friendly and safe.

fischer GreenLine



The fischer GreenLine is certified to the **GREEN BRANDS standard**. The environmental quality of the materials used and the fischer GreenLine's holistic sustainability management have been independently validated by the GREEN BRANDS label (GREEN BRANDS ID: 2026 02 0108).

Sustainable building



With the introduction of its greenline products, fischer is **the first manufacturer worldwide** to offer a range of **bio-based fixing systems**.

We are adapting to the demands of processors and builders who greatly value sustainability when building and renovating, even when it comes to installation.

Grown naturally



All GreenLine products are produced with renewable raw materials. These do not compete with food and feed products or with corresponding cultivation areas. The regenerative material percentage is always confirmed by independent testing and certification by the DIN CERTCO / TUV Rheinland. **All products are in the "BIOBASED 50 - 85 %" class.**

Lasting safety



We do not make any compromises when it comes to the security of GreenLine products. They have the same features and load-bearing capacity as the grey coloured originals.

Just 100% fischer nylon quality - made in Germany!

We take responsibility

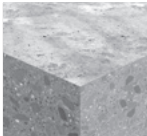
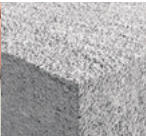
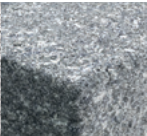
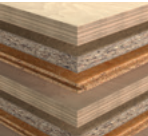


For decades fischer has been actively practising environmental protection and taking on responsibility so that the environment remains intact for future generations. We have an environmental management system certified according to DIN ISO 14001 and are a member of the German Sustainable Building Council (DGNB).

The GreenLine assortment.

Offers a green solution for every building material.

GreenLine assortment

							
	Concrete	Solid brick	Perforated brick	Aerated concrete	Natural stone	Panel building materials	Gypsum plasterboard
 SX Plus GreenLine	•	•	•	•	•	—	—
 UX GreenLine	•	•	•	•	•	•	•
 GK GreenLine	—	—	—	—	—	—	•
 N GreenLine	•	•	—	•	•	—	—
 GB GreenLine	—	—	—	•	—	—	—

SX Plus GreenLine.

When progress takes effect.

Thanks to the closed design of the anchor tip, the tightening torque is clearly noticeable, **preventing the screw from being overtightened.**

When the plug is inserted, the locking wings fold inwards and grip the screw firmly as soon as it is lightly inserted. This leaves the user with **both hands free, particularly when working overhead.**



The pronounced rim prevents the plug from slipping down into the drill hole, **ensuring a secure hold.**

The 4-way expansion provides optimum force transfer into the building material and ensures **high holding strength, particularly in hard materials.**

The ribs prevent rotation in the drill hole, **ensuring easy installation.**



Thanks to its extended spread range, the SX Plus long version is **ideal for difficult-to-work-with materials, such as aerated concrete and perforated building materials.**

Approval



Recommendations

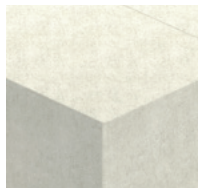
Suitable for building materials such as:



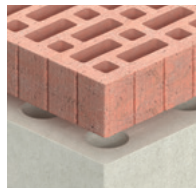
Cracked concrete



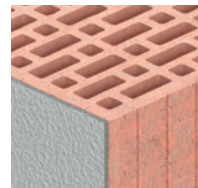
Uncracked concrete



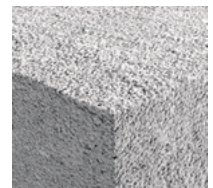
Solid stone



Perforated brick



Plastered wall



Aerated concrete

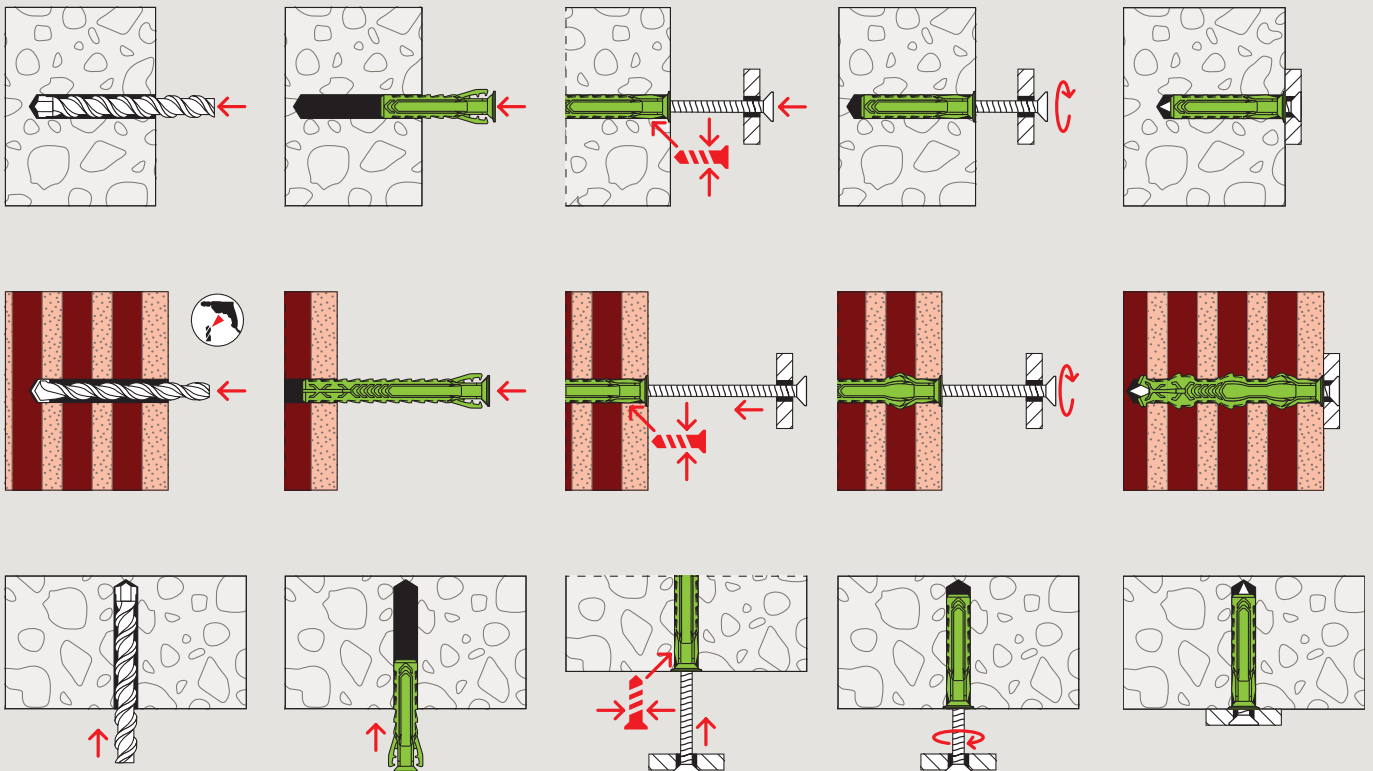
Benefits, features and installation

The advantages at a glance

- The 4-way expansion provides the optimum force distribution in the material, and offers high load-bearing capacities in solid and hollow building materials.
- The special locking wings ensure that the screw is pre-secured, leaving the user's hands free during the driving process.
- The expansion-free plug neck prevents the creation of expansion forces on the material surface whilst screwing in the screw. This helps to prevent damage to tiles and plaster.
- Thanks to the plug's special shape, it can be easily inserted into the drill hole with just a few hammer blows.
- The pronounced rim prevents the plug from slipping into the drill hole, thus allowing for a simple installation.

Functioning

- The SX Plus GreenLine is suitable for both pre-insertion and through-hole installation.
- When the anchor is inserted, the locking wings fold inwards. This causes the screw to lock into place as it is inserted into the anchor, preventing it from falling out – which is particularly useful for overhead applications.
- When the screw is tightened, the SX Plus GreenLine expands in four directions, thereby anchoring itself securely in the building material.
- The special design of the SX Plus GreenLine plug ensures a high tightening torque, thereby preventing the screw from being overtightened.
- The anti-rotation feature prevents the plug from twisting and enables easy installation.
- Suitable for wood, chipboard and hanger bolts.
- The required screw length is calculated as: plug length + thickness of the component to be fixed + screw diameter.



Applications SX Plus GreenLine



Pictures



Mirror mountings



Mailboxes



Radiator



Wardrobes



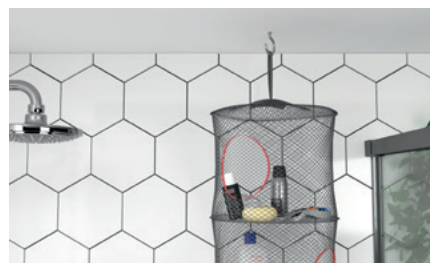
Shelves



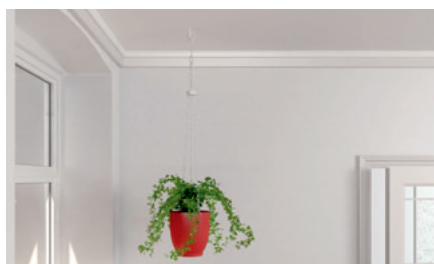
Punching bag



Ceiling lights



Net holder



Hanging basket

GreenLine.

The fastening range made of renewable raw materials.

fischer makes no compromises when it comes to the safety of its GreenLine plastic plugs. They offer the same performance characteristics and load-bearing capacity as the grey product range. The only difference is that they are made from castor oil and are 100% made in Germany. fischer makes no compromises when it comes to the safety of its GreenLine plastic plugs. They offer the same performance characteristics and load-bearing capacity as the grey product range. The only difference is that they are made from castor oil and are 100% made in Germany.



Grown naturally

All GreenLine products are made from at least 50% renewable raw materials. These do not compete with food or animal feed, nor with the land used to grow them. The proportion of renewable material derived from castor oil is verified in each case by independent testing and certification carried out by DIN CERTCO / TÜV Rheinland. The products fall into the 'BIOBASED 50-85%' category.



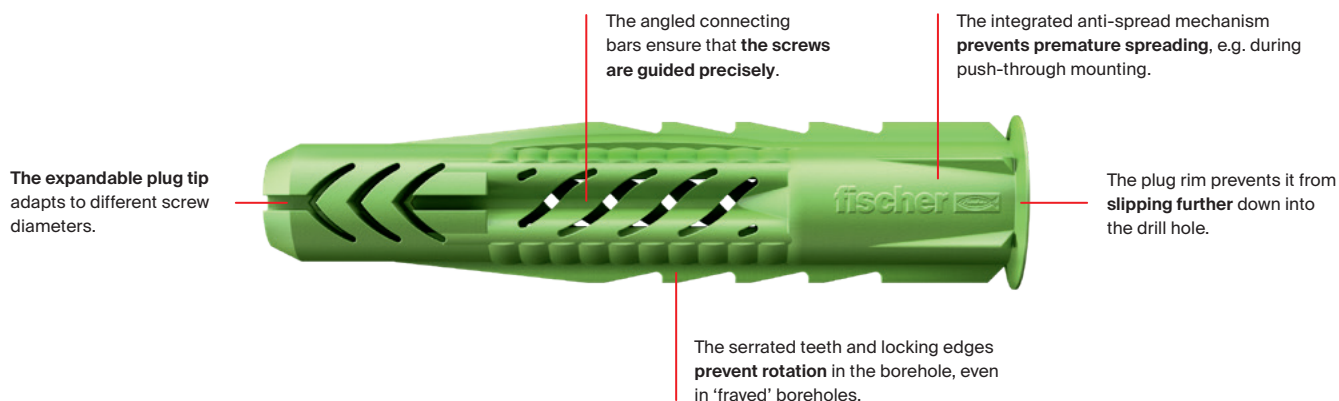
Sustainable construction

With its GreenLine products, fischer is the first manufacturer in the world to offer a range of bio-based fastening systems. We are therefore targeting customers such as you, who place great importance on sustainability when it comes to fastening during construction, renovation and decorating.



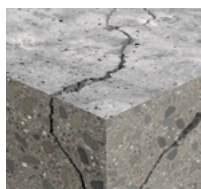
UX GreenLine.

The nylon plug for all building materials.



Recommendations

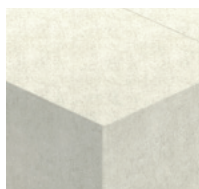
Suitable for building materials such as:



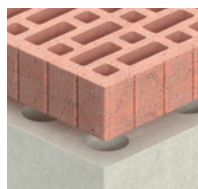
Cracked concrete



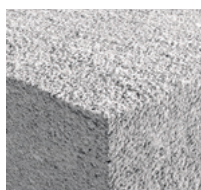
Uncracked concrete



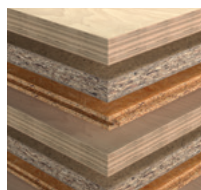
Solid stone



Perforated brick

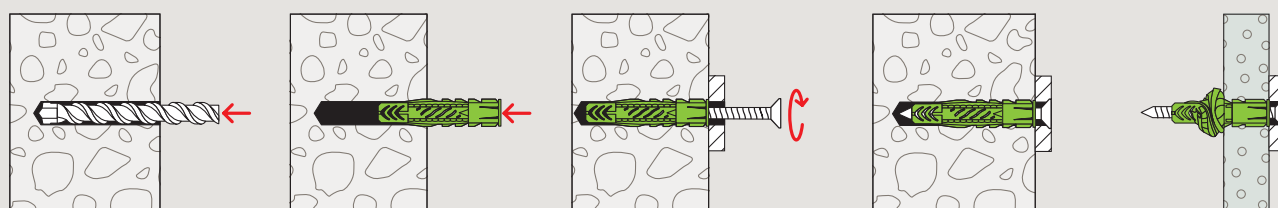


Aerated concrete



Panel building materials

Approval



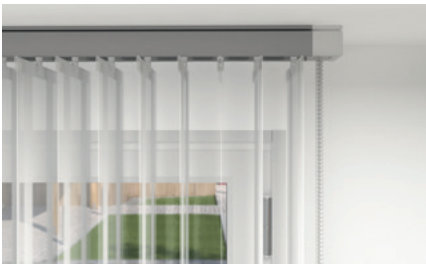
Benefits, features and installation

The advantages at a glance

- Thanks to its universal operating principle – interlocking in hollow spaces and spreading out in solid building materials – the UX GreenLine adapts perfectly to any substrate.
- Whether it's concrete, aerated concrete, solid plaster or plasterboard, solid bricks or perforated bricks, the UX GreenLine always provides a secure hold.
- The rim prevents the anchor from slipping deeper into the drill hole as the screw is driven in.
- The anchor requires a low, and therefore manageable, insertion torque and has a high holding torque. This ensures the anchor 'grips' properly.
- The UX GreenLine is available in diameters ranging from 6 to 12 mm.

Functioning

- Thanks to its rim, the UX GreenLine universal plug is ideally suited for pre-installation.
- When the screw is driven in, the UX GreenLine expands within solid building materials and interlocks within hollow spaces.
- It can be used with wood and chipboard screws, as well as hanger bolts.



Curtain rails



Shelves



Outdoor lights

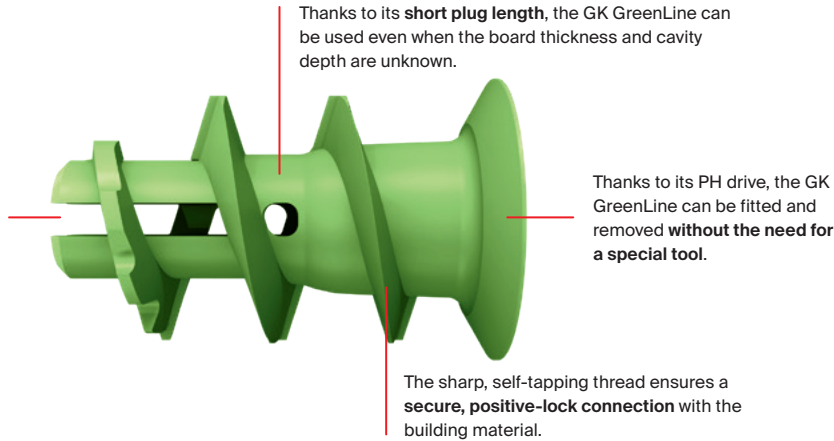


Washbasin

GK GreenLine.

Quickest installation in plasterboard.

The continuous groove ensures a perfect fit and efficient power transfer from the setting tool.



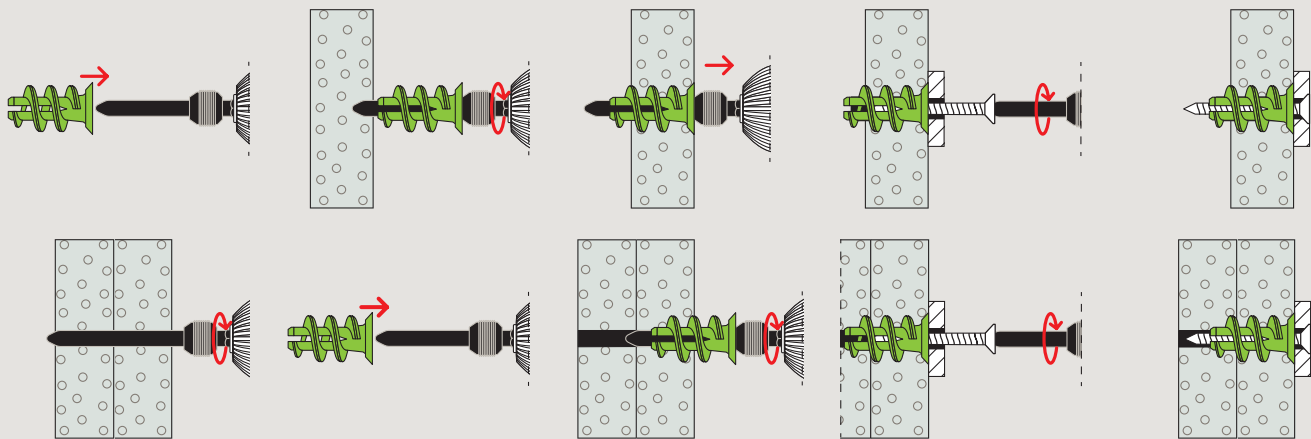
Recommendations

Suitable for building materials such as:



Gypsum plasterboard

Approval



Benefits, features and installation

The advantages at a glance

- The installation tool combines the functions of drilling and inserting plugs, thereby enabling installation in a single step.
- Quick and effortless installation using a cordless or electric screwdriver.
- The sharp, self-tapping thread creates a positive-lock connection and ensures a high load-bearing capacity.
- Thanks to the cross-recess in the plug head, the GK GreenLine can be removed like a screw, even without a screwdriver.
- The GK GreenLine can be used with various screws, hooks and eyelets, making it highly versatile.
- The GK GreenLine, available in a length of 22 mm, allows installation even when the depth of the cavity is unknown.

Functioning

- The GK GreenLine plasterboard plug is suitable for pre-installation.
- The GK GreenLine plasterboard plug is screwed flush with the surface of the plasterboard using the supplied setting tool. Avoid over-tightening, whether by hand or with a power tool.
- For board thicknesses of 15 mm and above, pre-drill using the installation tool.
- Not suitable for gypsum fibre boards or tiled plasterboards.
- Designed for use with wood, sheet metal and chipboard screws with diameters from 4.0 to 5.0 mm.



Pictures



Wall decorations



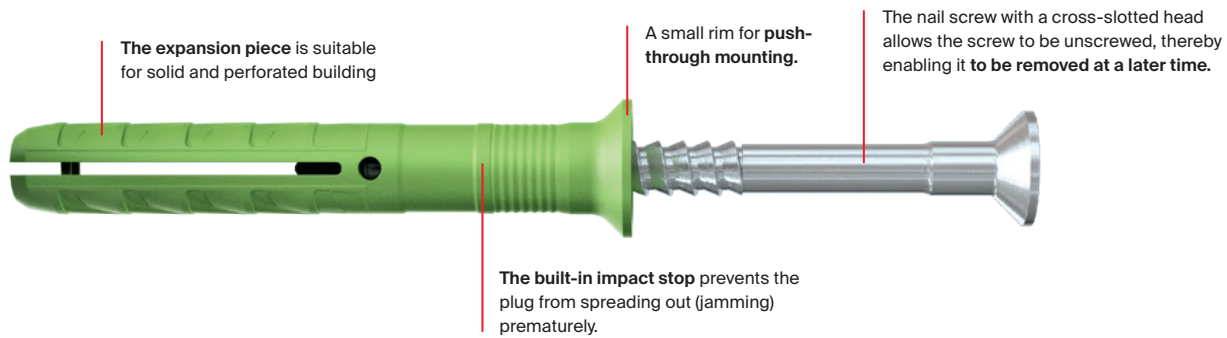
Lamps



Skirting boards

N GreenLine.

For simple, quick and cost-effective installation.



Recommendations

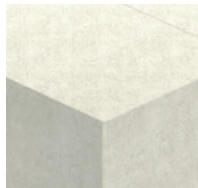
Suitable for building materials such as:



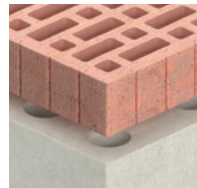
Cracked concrete



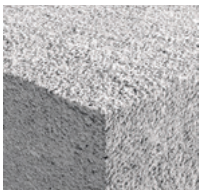
Uncracked concrete



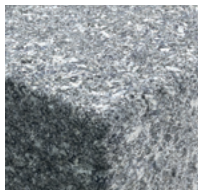
Solid stone



Perforated brick

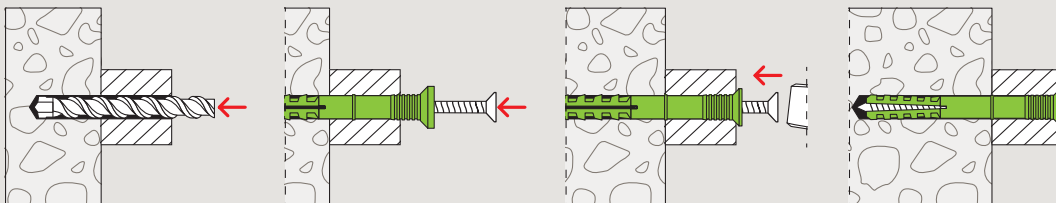


Aerated concrete



Natural stone

Approval



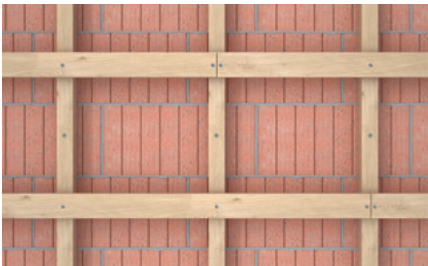
Benefits, features and installation

The advantages at a glance

- The quick push-through and hammer-in installation reduces the amount of work required and enables cost-effective mass production.
- The integrated hammer-in stop prevents the plug from spreading prematurely and ensures trouble-free installation.
- The thread on the nail screw, in combination with the cross-slot head, allows the screw to be unscrewed, thereby enabling subsequent removal.
- The N GreenLine is available in sizes ranging from 6 x 40 to 8 x 120 mm.

Functioning

- The N GreenLine nail plug is suitable for push-through mounting.
- Extremely simple installation: drill, hammer in – done.
- As the nail screw is hammered in, the plug expands in two directions, thereby anchoring itself securely in the building



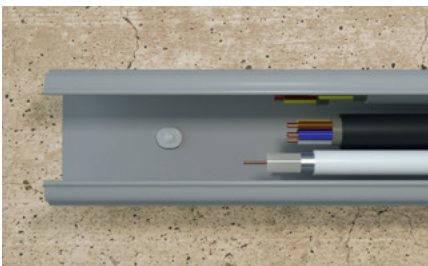
Wooden substructures



Cable clamps



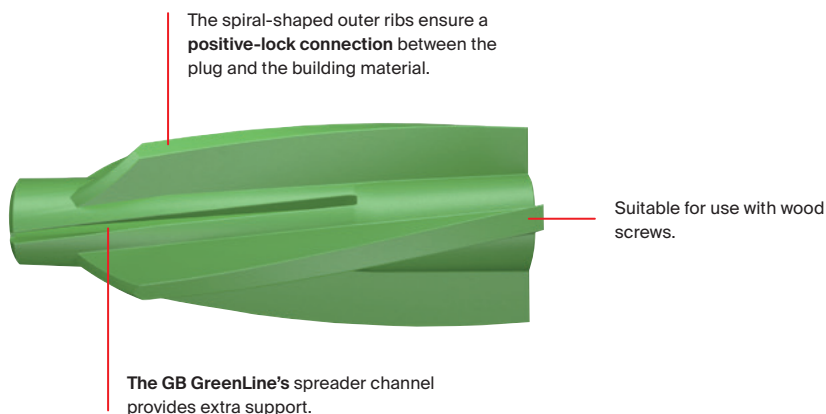
Metal substructures



Cable channels

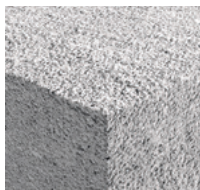
GB GreenLine.

Safety in aerated concrete.



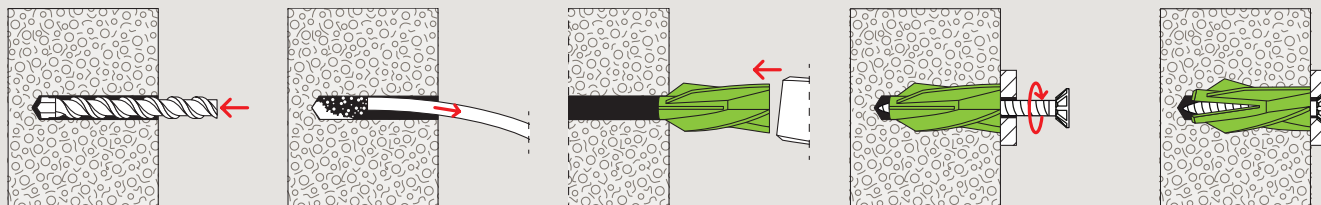
Recommendations

Suitable for building materials such as:



Aerated concrete

Approval



Benefits, features and installation

The benefits at a glance

- The spiral-shaped outer ribs interlock with the building material, ensuring a secure hold.
- Driving them in with a hammer requires no special tools, thus saving time and money during installation.
- The GB GreenLine is available in sizes 8 and 10.

Functioning

- The GB GreenLine aerated concrete anchor is suitable for pre-positioned installation.
- The spiral-shaped external ribs cut into the soft building material as the anchor is driven in, ensuring optimum pressure distribution and holding strength.
- Suitable for use in unplastered aerated concrete.



Wardrobe



TV mount

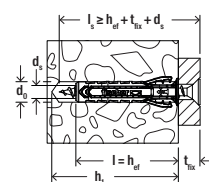


Radiator



Pipes

Assortment



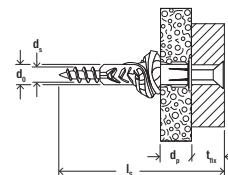
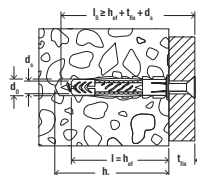
Expansion plug SX Plus GreenLine



SX Plus GreenLine

SX Plus GreenLine S

	without screw	with screw	Drill diameter	Min. drill hole depth	Anchor length	Wood and chipboard screws	Max. fixture thickness	Sales unit
	Item no.	Item no.	d_0 [mm]	h_1 [mm]	l [mm]	$d_{ds} / d_s \times l_s$ [mm]	t_{fix} [mm]	[Pcs]
Item								
SX Plus GreenLine 5 x 25	567806	—	5	35	25	3.0 - 4.0	—	90
SX Plus GreenLine 6 x 30	567807	—	6	40	30	4.0 - 5.0	—	90
SX Plus GreenLine 6 x 30 S	—	567813	6	45	30	4.5 x 40	5	45
SX Plus GreenLine 6 x 50	567808	—	6	60	50	4.0 - 5.0	—	90
SX Plus GreenLine 8 x 40	567809	—	8	50	40	4.5 - 6.0	—	90
SX Plus GreenLine 8 x 40 S	—	567814	8	65	40	5.0 x 60	15	45
SX Plus GreenLine 8 x 65	567810	—	8	75	65	4.5 - 6.0	—	45
SX Plus GreenLine 10 x 50	567811	—	10	70	50	6.0 - 8.0	—	45
SX Plus GreenLine 12 x 60	567812	—	12	80	60	8.0 - 10.0	—	20



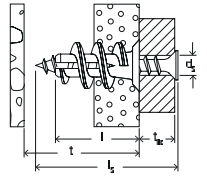
Universal plug UX GreenLine



UX GreenLine with rim

UX GreenLine without rim

	With rim	Without rim	Drill diameter	Min. drill hole depth	Min. panel thickness	Anchor length	Wood and chipboard screws	Sales unit
	Item no.	Item no.	d_0 [mm]	h_1 [mm]	d_p [mm]	l [mm]	$d_s / d_s \times l_s$ [mm]	[Pcs]
Item	UX R	UX						
UX GreenLine 6 x 35	518885	—	6	45	9.5	35	4 - 5	40
UX GreenLine 6 x 50	524855	—	6	60	9.5	50	4 - 5	40
UX GreenLine 8 x 50	518886	—	8	60	9.5	50	4.5 - 6	40
UX GreenLine 10 x 60	518887	—	10	75	12.5	60	6 - 8	20
UX GreenLine 12 x 70	—	524858	12	85	—	70	8 - 10	18



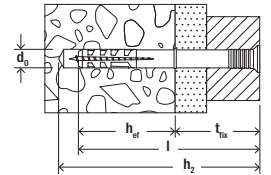
Plasterboard fixing GK GreenLine



GK GreenLine

GK GreenLine S

Item	Item no.	Anchor l [mm]	Min. thickness to first supporting t [mm]	Max. fixture thickness t _{fix} [mm]	Screw dimension d _s x l _s [mm]	Drive	Sales unit [Pcs]
GK GreenLine	524868 ¹⁾²⁾	22	25	—	4.0 - 5.0 x Ls	—	90
GK GreenLine S	524869 ¹⁾³⁾	22	25	13	4.5 x 35	PZ2	45

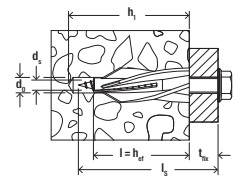
¹⁾ Including installation tool GKW.²⁾ Min. screw length = length of plug 22 mm + thickness of building component.³⁾ Supplied with plasterboard screw.

Hammerfix N GreenLine



N GreenLine S with countersunk head gvz

Item	Item no.	Drill diameter d ₀ [mm]	Effect. anchorage depth h _{ef} [mm]	Anchor length l [mm]	Min. drill hole depth for through fixings h ₂ [mm]	Max. fixture thickness t _{fix} [mm]	Drive	Sales unit [Pcs]
N GreenLine 6 x 40/10 S	524845	6	30	40	55	10	PZ2	45
N GreenLine 6 x 60/30 S	524847	6	30	60	75	30	PZ2	45
N GreenLine 6 x 80/50 S	524848	6	30	80	95	50	PZ2	45
N GreenLine 8 x 80/40 S	524849	8	40	80	95	40	PZ3	45
N GreenLine 8 x 100/60 S	524850	8	40	100	115	60	PZ3	45



Aircrete anchor GB GreenLine



GB GreenLine

Item	Item no.	Drill diameter d ₀ [mm]	Min. drill hole depth h ₁ [mm]	Plug length = min. anchorage depth l = h _{ef} [mm]	Screw diameter d _s x l _s [mm]	Sales unit [Pcs]
GB GreenLine 8	524870	8	60	50	5	20
GB GreenLine 10	524871	10	65	55	7	18

Loads

Expansion plug SX Plus GreenLine

Recommended loads¹⁾ for a single anchor.

The given loads are valid for wood screws with the specified diameter.

Typ		SX Plus Green- Line 4x20	SX Plus Green- Line 5x25	SX Plus Green- Line 6x30	SX Plus Green- Line 6x50	SX Plus Green- Line 8x40	SX Plus Green- Line 8x65	SX Plus Green- Line 10x50	SX Plus Green- Line 10x80	SX Plus Green- Line 12x60	SX Plus Green- Line 14x70
Wood screw diameter	[mm]	3	4	5	5	6	6	8	8	10.0	12
Min. edge distance in concrete c_{min}	[mm]	20	25	35	35	40	50	50	65	65	100
Recommended loads in the respective base material F_{rec} ²⁾											
Concrete $\geq$ C20/25	[kN]	0.20	0.35	0.65	1.30	0.75	1.50	1.40	2.90	2.40	3.50
Solid brick $\geq$ Mz 12	[kN]	0.15	0.27	0.35	0.50	0.60	0.80	1.00	1.40	1.25	1.30
Solid sand-lime brick $\geq$ KS 12	[kN]	0.20	0.35	0.65	1.30	0.75	1.50	1.40	2.90	2.40	3.50
Aerated concrete $\geq$ PB2, AAC 2	[kN]	0.03	0.03	0.07	0.12	0.10	0.15	0.18	0.28	0.22	0.35
Aerated concrete $\geq$ PB4, AAC 4	[kN]	0.10	0.15	0.20	0.35	0.30	0.40	0.50	0.90	0.80	1.00
Perforated sand-lime brick $\geq$ KSL 12	[kN]	0.18	0.25	0.30	0.35	0.40	0.80	0.45	1.50	0.70	1.00
Vertically perforated brick $\geq$ HLz 12, Doppio UNI 19	[kN]	0.13	0.13	0.15	0.17	0.25	0.40	0.25	0.50	0.35	0.40
Vertically perforated brick Forato Typ F8	[kN]	0.08 ³⁾	0.08 ³⁾	0.10 ³⁾	-	0.10 ³⁾	-	0.12 ³⁾	-	-	-
Light-weight concrete hollow block Sepa Parpaing	[kN]	0.15	0.20	0.25	0.30 ³⁾	0.25	0.30 ³⁾	0.35	0.40 ³⁾	0.50 ³⁾	0.50 ³⁾

¹⁾ Required safety factors are considered. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

²⁾ Valid for tension, shear and combined tension and shear load.

³⁾ Load determination on plastered wall.

Universal plug UX GreenLine

Recommended loads¹⁾ for a single anchor.

The given loads are valid for wood screws with the specified diameter.

Type		UX GreenLine 6 x 35	UX GreenLine 6 x 50	UX GreenLine 8 x 50	UX GreenLine 10 x 60	UX GreenLine 12 x 70
Wood screw diameter	[mm]	5.0	5.0	6.0	8.0	10.0
Recommended loads in the respective base material F_{rec} ²⁾						
Concrete $\geq$ C20/25	[kN]	0.40	0.60	0.60	1.00	1.50
Solid brick $\geq$ Mz 12	[kN]	0.20	0.30	0.30	0.50	0.70
Perforated sand-lime brick $\geq$ KSL 12	[kN]	0.40	0.40	0.50	0.60	0.80
Vertically perforated brick $\geq$ HLz 12	[kN]	0.20	0.20	0.20	0.20	0.30

¹⁾ Required safety factors are considered. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

²⁾ Valid for tensile load, shear load and oblique load under any angle.

Plasterboard fixing GK GreenLine

Recommended loads¹⁾ for a single anchor.

Type		GK GreenLine
Chipboard screw	[mm]	4.0 - 5.0
Recommended loads in the respective base material F_{rec} ²⁾		
Gypsum plasterboard 9.5 mm	[kN]	0.07
Gypsum plasterboard 12.5 mm	[kN]	0.08
Gypsum plasterboard 2 x 12.5 mm	[kN]	0.11

¹⁾ Required safety factors are considered. The given loads are valid for chipboard screws with the specified diameters. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

²⁾ Valid for tensile load, shear load and oblique load under any angle.

Hammerfix N GreenLine

Recommended loads¹⁾ for a single anchor.

The given loads are valid for screw nails with the specified diameter.

Type		N GreenLine 6	N GreenLine 8
Screw nail diameter	[mm]	4.0	5.0
Recommended loads in the respective base material $F_{rec}^{2)}$			
Concrete $\geq$ C20/25	[kN]	0.25	0.27
Solid brick $\geq$ Mz 12	[kN]	0.18	0.24
Solid sand-lime brick $\geq$ KS 12	[kN]	0.22	0.24
Solid brick of lightweight aggregate concrete $\geq$ V 4	[kN]	0.12	0.15
Aerated concrete $\geq$ AAC 2	[kN]	0.04	0.05
Aerated concrete $\geq$ AAC 4	[kN]	0.10	0.13

¹⁾ Required safety factors are considered. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

²⁾ Valid for tensile load, shear load and oblique load under any angle.

Aircrete anchor GB GreenLine

Recommended loads¹⁾ for a single anchor in aerated concrete.

Load values apply when using fischer safety screws²⁾ according to selection table.

Type		GB GreenLine 8	GB GreenLine 10
Screw diameter	[mm]	5.0	6.0
Minimum spacing ²⁾ s_{min}	[mm]	150 (100) ⁴⁾	150 (100) ⁴⁾
Minimum edge distance ³⁾ c_{min}	[mm]	100 (75) ⁴⁾	100 (75) ⁴⁾
Minimum member thickness h_{min}	[mm]	75	120
Anchorage depth h_{nom}	[mm]	50	55
Recommended load ($F_{rec}^{5)}$ in the respective base material			
AAC 2 $\rho \geq 0.35$ [kg/dm ³]	[kN]	0.18	0.20
AAC 4 $\rho \geq 0.50$ [kg/dm ³]	[kN]	0.40	0.50

¹⁾ Required safety factors are considered. Valid for tensile load, shear load and oblique load under any angle. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

²⁾ Minimum possible axial spacing while reducing the load.

³⁾ Minimum permissible edge distance.

⁴⁾ Values in brackets apply to AAC 2.

⁵⁾ Values are valid in combination with wood screws acc. DIN 571.

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