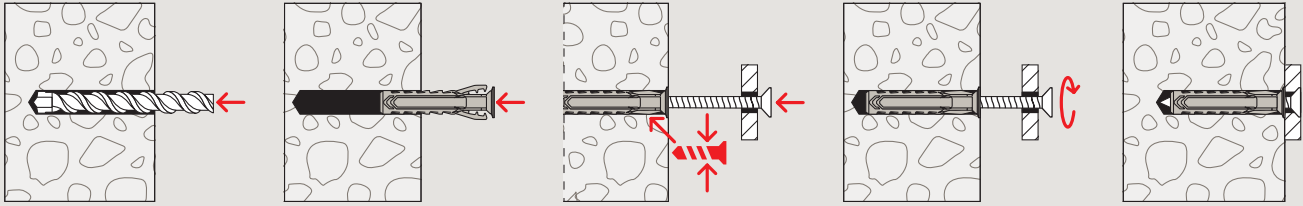
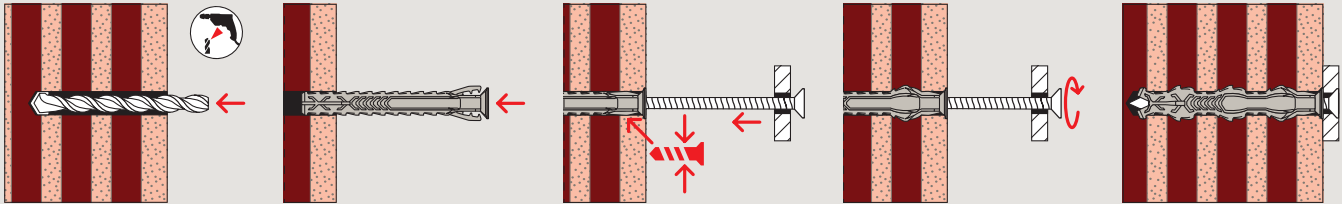


SX Plus in concrete

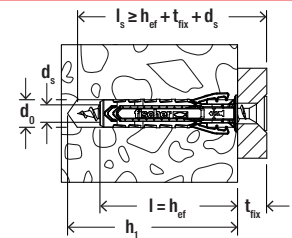
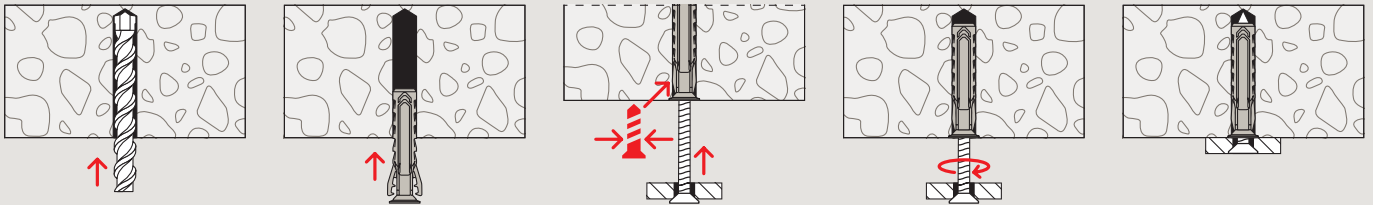


SX Plus Long version in vertically perforated brick



6

SX Plus overhead use



Technical data

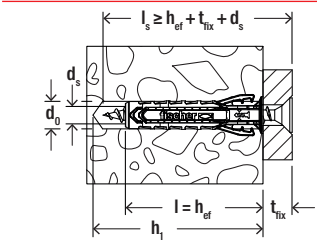
Expansion plug SX Plus



SX Plus

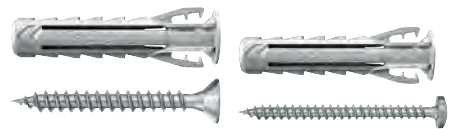
SX Plus longversion

Item	Item no.	Drill diameter d_0 [mm]	Min. drill hole depth h_1 [mm]	Anchor length l [mm]	Sales unit [pcs]
SX Plus 4 x 20	568004	4	30	20	200
SX Plus 5 x 25	568005	5	35	25	100
SX Plus 6 x 30	568006	6	40	30	100
SX Plus 6 x 50	568106	6	60	50	100
SX Plus 8 x 40	568008	8	50	40	100
SX Plus 8 x 65	568108	8	75	65	50
SX Plus 10 x 50	568010	10	70	50	50
SX Plus 10 x 80	568110	10	100	80	25
SX Plus 12 x 60	568012	12	80	60	25
SX Plus 14 x 70	568014	14	90	70	20



Technical data

Expansion plug SX Plus with screws



6

		Drill diameter	Min. drill hole depth	Anchor length	Wood and chipboard screws	Max. fixture thickness	Sales unit
	Item no.	d ₀ [mm]	h ₁ [mm]	l [mm]	d _s [mm]	t _{fix} [mm]	[pcs]
SX Plus S		SX Plus S PH TX					
Item							
SX Plus 6 x 30 S	568206	6	45	30	4.5 x 40	5	50
SX Plus 6 x 30 S PH TX	567935	6	45	30	4.5 x 40	5	100
SX Plus 8 x 40 S	568208	8	60	40	5.0 x 55	10	50

Technical data

Expansion plug SX Plus in bucket



		Drill diameter	Min. drill hole depth	Anchor length	Wood and chipboard screws	Sales unit
	Item no.	d ₀ [mm]	h ₁ [mm]	l [mm]	d _s [mm]	[pcs]
Item						
SX Plus 6 x 30	567893	6	40	30	4.0 - 5.0	1
SX Plus 8 x 40	567899	8	50	40	4.5 - 6.0	1
SX Plus 10 x 50	567900	10	60	50	6.0 - 8.0	1
SX Plus 12 x 60	567901	12	80	60	8.0 - 10.0	1

Technical data

Assortment boxes



fischer Box SX Plus



ProfiBox SX Plus



FixTainer SX Plus



RedBox SX Plus / UX

Item	Item no.	Contents	Sales unit
			[pcs]
fischer Box SX Plus, UX 6,8 S	567919	50 x Universal plug UX 6 x 35 50 x Chipboard screw 4.5 x 45 50 x Expansion plug SX Plus 6 x 30 50 x Chipboard screw 4.5 x 40 25 x Universal plug UX 8 x 50 25 x Chipboard screw 5.0 x 65 25 x Expansion plug SX Plus 8 x 40 25 x Chipboard screw 5.0 x 55	1
fischer Box SX Plus 5,6,8	567891	100 x Expansion plug SX Plus 5 x 25 100 x Expansion plug SX Plus 6 x 30 100 x Expansion plug SX Plus 8 x 40	1
ProfiBox SX Plus 6,8 + screws	567897	50 x Expansion plug SX Plus 6 x 30 30 x Expansion plug SX Plus 8 x 40 50 x Chipboard screw 4.5 x 40 30 x Chipboard screw 5.0 x 55	1
ProfiBox SX Plus 6,8,10	567896	60 x Expansion plug SX Plus 6 x 30 60 x Expansion plug SX Plus 8 x 40 12 x Expansion plug SX Plus 10 x 50	1
ProfiBox SX Plus Green 6,8 + screws A2	567898	50 x Expansion plug SX Plus Green 6 x 30 30 x Expansion plug SX Plus Green 8 x 40 25 x Chipboard screw 4.5 x 40 15 x Chipboard screw 5.0 x 55	1
FixTainer SX Plus, UX, GK 6 + screws	567905	50 x Expansion plug SX Plus 6 x 30 50 x Universal plug UX 6 x 35 25 x Plasterboard fixing GK 15 x Plasterboard fixing metal GKM 50 x Chipboard screw 4.5 x 40 50 x Chipboard screw 4.5 x 45	1
FixTainer SX Plus 6,8,10	567904	120 x Expansion plug SX Plus 6 x 30 60 x Expansion plug SX Plus 8 x 40 30 x Expansion plug SX Plus 10 x 50	1
FixTainer SX Plus 5,6,8 + hooks + screws	567903	50 x Expansion plug SX Plus 5 x 25 25 x Chipboard screw 3.5 x 35 50 x Expansion plug SX Plus 6 x 30 25 x Chipboard screw 4.5 x 40 20 x Expansion plug SX Plus 8 x 40 10 x Chipboard screw 5.0 x 55 8 x Wall hook Fast & Fix black 8 x Wall hook Fast & Fix white 8 x Plasterboard fixing metal GKM 8 x Panhead screw 4.5 x 35	1
RedBox SX Plus/UX	569147	60 x Expansion plug SX Plus 6 x 30 50 x Expansion plug SX Plus 8 x 40 20 x Expansion plug SX Plus 10 x 50 60 x Universal plug UX 6 x 35 R 40 x Universal plug UX 6 x 50 R 50 x Universal plug UX 8 x 50 R 10 x Universal plug UX 10 x 60 R	1

Loads

Expansion plug SX Plus											
Recommended loads ¹⁾ for a single anchor. The given loads are valid for wood screws with the specified diameter.											
Type		SX Plus 4x20	SX Plus 5x25	SX Plus 6x30	SX Plus 6x50	SX Plus 8x40	SX Plus 8x65	SX Plus 10x50	SX Plus 10x80	SX Plus 12x60	SX Plus 14x70
Wood screw diameter	[mm]	3	4	5	5	6	6	8	8	10	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 $\geq$ 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 $\geq$ 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 Type 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⁾

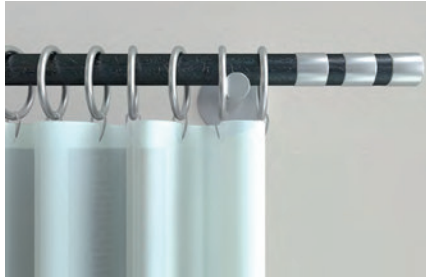
¹⁾ Required safety factors are considered. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

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

³⁾ Load determination on plastered wall.

Expansion plug SX Plus Green

The specialist for solid building materials with renewable raw materials.



Curtain rails



Mirrors

6

Applications

- Lamps
- Wardrobes
- Motion detectors
- Skirting boards
- Light wall shelves
- Mirror cabinets
- Mailboxes
- TV consoles
- Trellis
- Folding shutters
- Fire detector

Advantages

- The SX Plus Green is produced with at least 50% renewable raw materials and therefore particularly environmentally friendly.
- The 4-way expansion ensures optimum force transmission into the building material and guarantees high holding values in solid and perforated building materials.
- The special fixing wings ensure pre-fixation of the screw, leaving both of the user's hands free during the setting 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.
- The special shape of the plug makes it easy to insert into the drill hole with just a few hammer blows.
- The pronounced edge of the plug prevents it from slipping deeper into the drill hole and enables secure installation.

Certificates / Features



Building materials

- Concrete
- Solid brick
- Solid sand-lime brick
- Aerated concrete
- Vertically perforated brick
- Perforated sand-lime brick
- Solid stone of lightweight concrete
- Hollow block of lightweight concrete
- Natural stone
- Hollow brick & concrete ceilings
- Solid gypsum boards

Functioning

- The SX Plus Green is suitable for pre-positioned and push-through installation.
- When the plug is inserted, the fixing wings fold inwards. This locks the screw in place when it is inserted into the plug and prevents it from falling out, which is particularly helpful in overhead applications.
- When the screw is tightened, the SX Plus Green expands in four directions and thus anchors itself securely in the building material.
- The anti-rotation lock prevents the plug from twisting and allows for easy installation.
- Suitable for wood and chipboard screws, as well as stud screws.
- The required screw length is given by: the plug length + fixture thickness + the screw diameter.