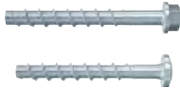


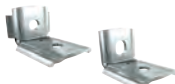
Fixing systems

for the electrical trade



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Hammerfix N
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ClipFix plus LS / ES / ZS
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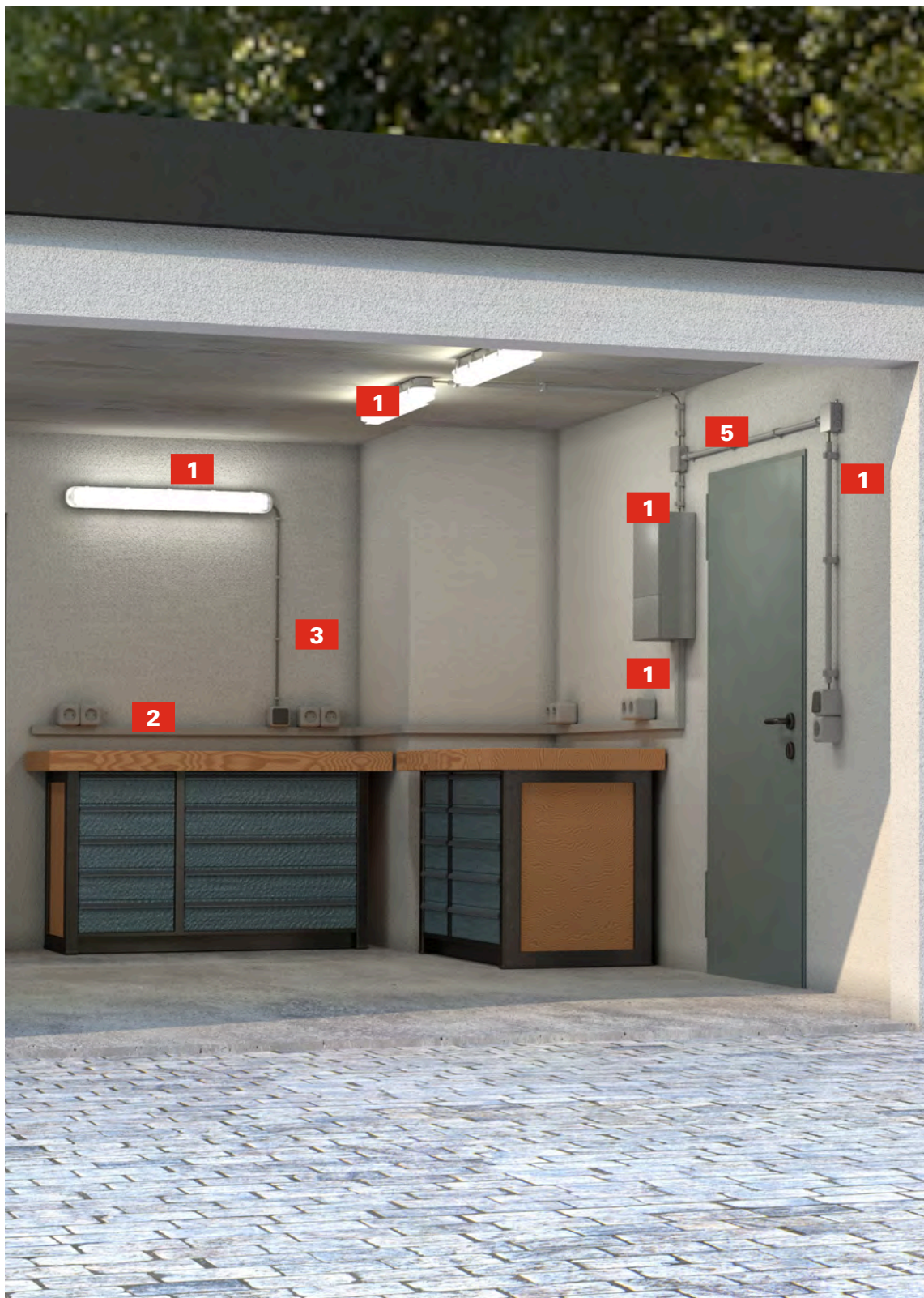


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Locking clip SCN
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Construction sealant DKM
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Power adhesive flexible HTM
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Construction sealant DBSA
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Application Overview

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Cable clasp KB
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Conduit clip metal BSM, BSMD, BSMZ
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Gun foam
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Impact nail ED
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Textile and steel straps
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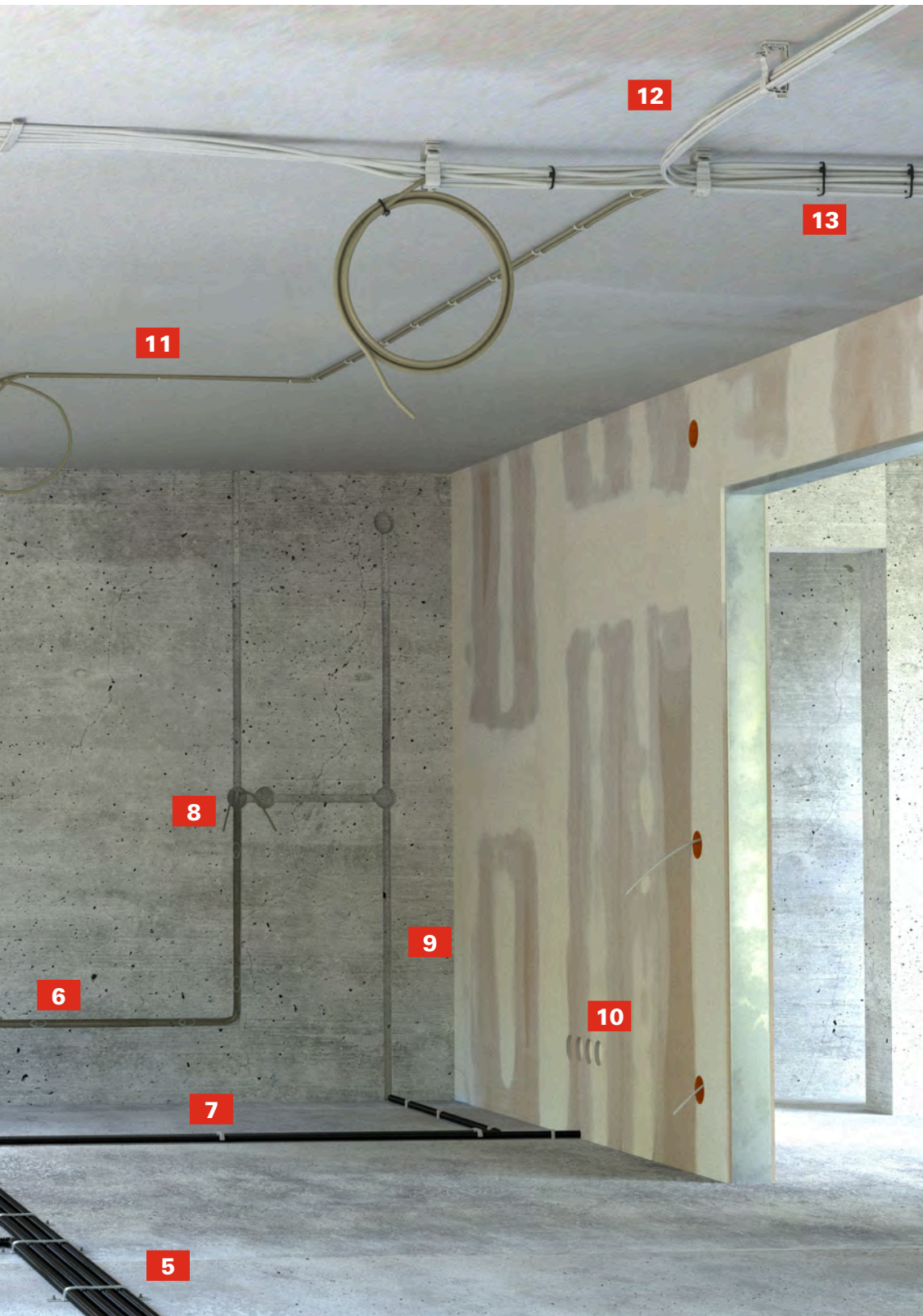
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Cable harness SHA
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Multihole saw HS-Multi
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Flat and gouge chisels
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Bolt anchor FAZ II
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Hammerset anchor EA II
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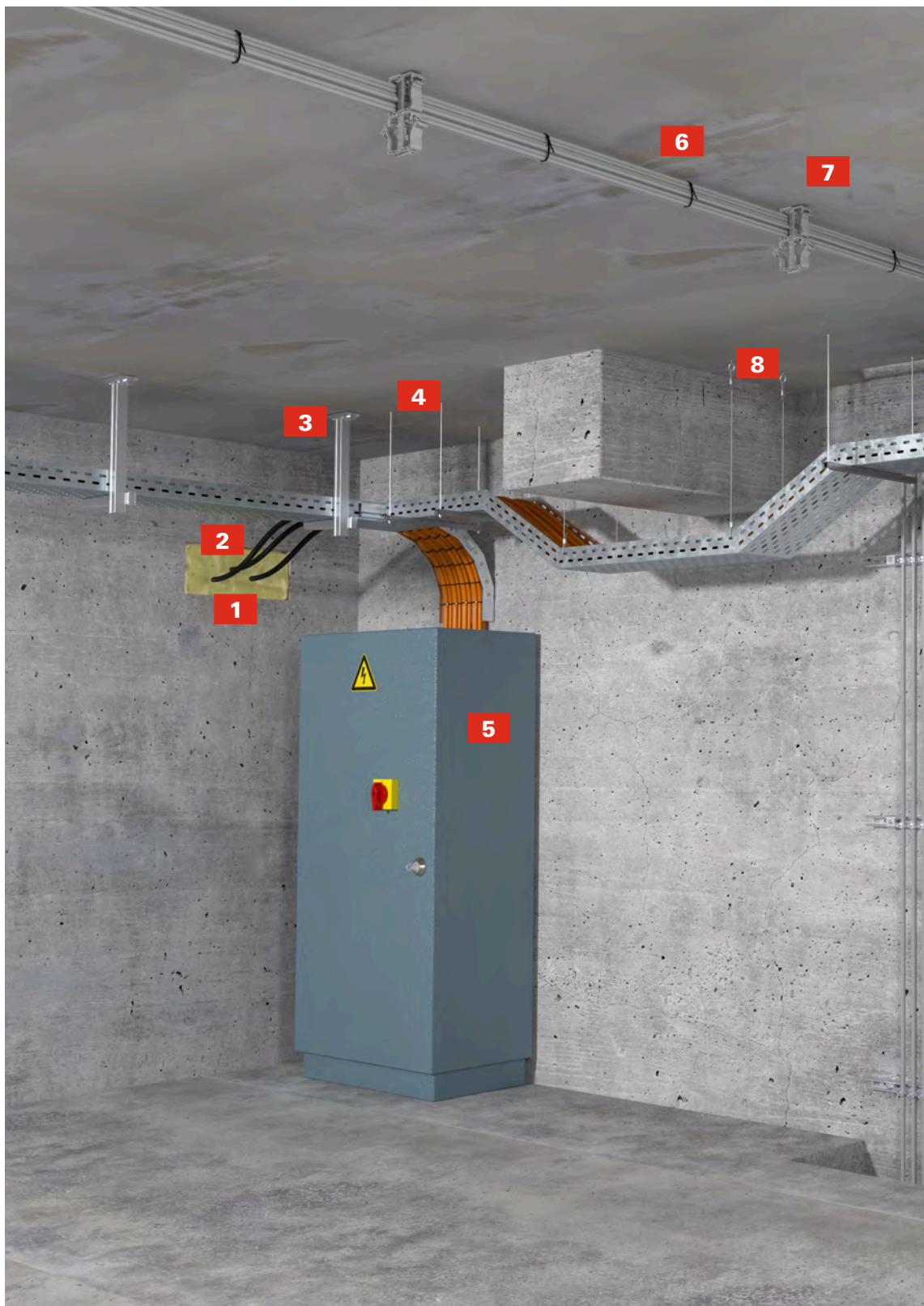


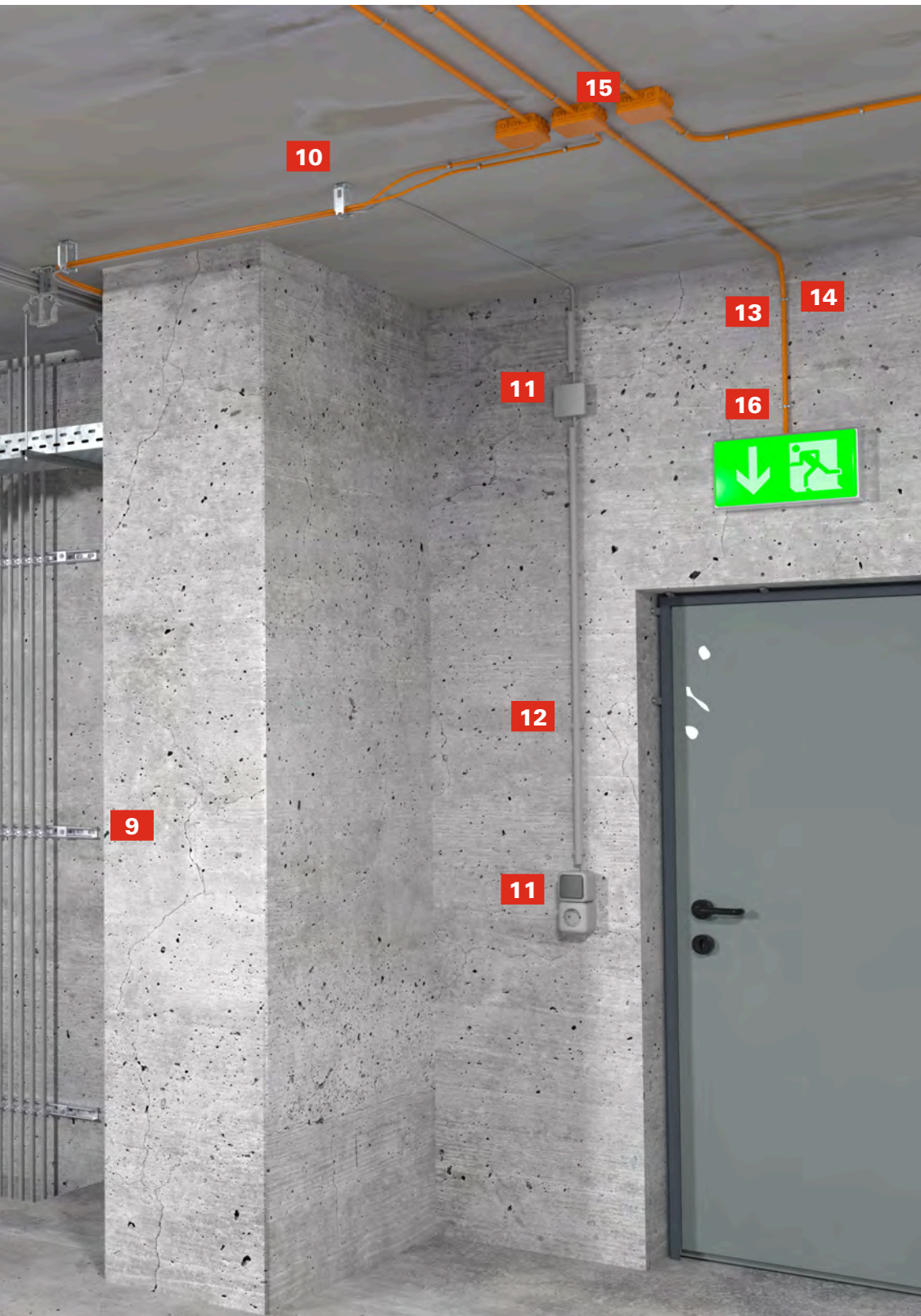
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Nail anchor FNA II OE
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Nail anchor FNA II
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Concrete screw FBS 6 P
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Spacing pipe clamp AM
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Nail anchor FNA II M6
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Pipe clip RC
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U-Clamp FUBD
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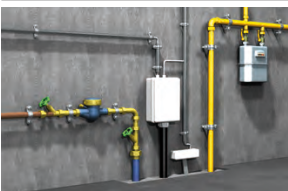
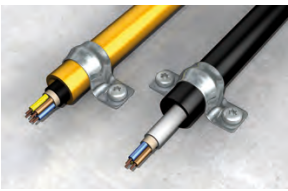
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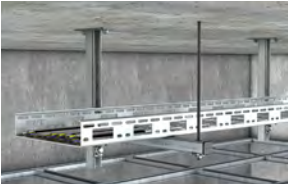
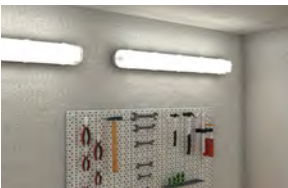
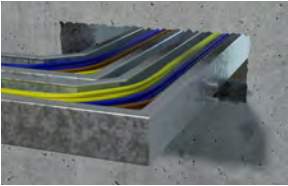
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SHA M**
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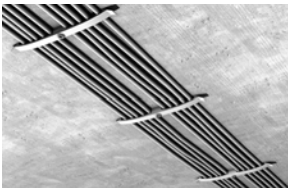
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Application Overview

Solutions										Fire assessments	page
 Aluminium-, copper-, steel-, compound pipes	 AM	 FNA II 6 M6	■	■						■	32
		 FGD M6		■	■						18
		 DUOPOWER + FM6S		■	■	■	■	■			52
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		 DUOPOWER		■	■	■	■	■			16
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		 FID							■		27
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		 FIS VL	■	■	■	■	■			■	36
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 Components for measurement and control technology		 FID							■		27
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Solutions											Fire assessments	page
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	 FTP K					■				20
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 Enlarge, create wall breakthroughs	 Chisels	■	■	■	■	■				73

Solutions										Fire assessments	page
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		 DUOPOWER		■	■	■	■	■			16
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 Metal clamps with metric connection		 FNA II 6 M6	■	■							32
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		 FID							■		27
 Single cables, cable bundles		 SFplus LS  SFplus ES  SFplus ZS		■	■						42

The duo of power and intelligence



Cable ducts



Cable and pipe clamps

ADVANTAGES

- Combination of two material components for more performance.
- Secure functions for solid (expansion) and hollow and panel building materials (folding/knotting).
- Easy installation: the small rim of the plug prevents it from falling deeper into the drill hole.
- Best possible feedback from the anchor - you can feel that the anchor is sitting perfectly.

APPLICATIONS

- Components for measurement and control technology
- Surface switches
- Power sockets

CERTIFICATES



BUILDING MATERIALS



	Art.-No. without screw	Art.-No. with screw	Drill hole diameter d ₀ [mm]	Min. drill hole depth h ₁ [mm]	Min. panel thickness d _p [mm]	Min. bolt penetration l _{min} [mm]	Anchor length l [mm]	Wood and chipboard screws d _s / d _s x l _s [mm]	Drive	Max. fixture thickness t _{fix} [mm]	Sales unit [pcs]
Item											
DUOPOWER 5 x 25	555005	—	5	35	12,5	28	25	3 - 4	—	—	100
DUOPOWER 6 x 30	555006	—	6	40	12,5	34	30	4 - 5	—	—	100
DUOPOWER 8 x 40	555008	—	8	50	12,5	45	40	4,5 - 6	—	—	100
DUOPOWER 10 x 50	555010	—	10	60	12,5	56	50	6 - 8	—	—	50
DUOPOWER 5 x 25 S	—	555105	5	35	12,5	29	25	4 x 35	PZ2	6	50
DUOPOWER 6 x 30 S	—	555106	6	40	12,5	35	30	4,5 x 40	PZ2	5	50
DUOPOWER 6 x 30 S PH	—	545838	6	40	12,5	35	30	4,5 x 40	TX 20	5	100
DUOPOWER 8 x 40 S	—	555108	8	60	12,5	45	40	5 x 60	PZ2	15	50
DUOPOWER 10 x 50 S	—	555110	10	70	12,5	57	50	7 x 69	SW 13 / TX 40	13	25
DUOPOWER 6 x 50	538240	—	6	60	12,5	55	50	4 - 5	—	—	100
DUOPOWER 8 x 65	538241	—	8	75	2 x 12,5	70	65	4,5 - 6	—	—	50
DUOPOWER 10 x 80	538242	—	10	90	—	87	80	6 - 8	—	—	25
DUOPOWER 12 x 60	538243	—	12	70	—	68	60	8 - 10	—	—	25
DUOPOWER 14 x 70	538244	—	14	80	—	80	70	10 - 12	—	—	20
DUOPOWER 6 x 50 S	—	538245	6	75	12,5	55	50	4,5 x 70	PZ2	15	50
DUOPOWER 8 x 65 S	—	538246	8	85	2 x 12,5	70	65	5 x 80	PZ2	10	25
DUOPOWER 10 x 80 S	—	538247	10	112	—	87	80	7 x 107	SW 13	20	10
DUOPOWER 12 x 60 S	—	538248	12	85	—	68	60	8 x 80	SW 13	12	10

ACCESSORIES



Stone drill bit D-S
page 71



Bit Sets
page 75



SCN for pipe fixings
page 37

The powerful nylon plug with 4-way expansion

2

General fixings



Surface switches and sockets



Motion detector with light

ADVANTAGES

- Simple to install: The rim of the plug prevents it from falling deeper into the drill hole.
- No expansion pressure on the plug neck. This means that tiles or plaster are not damaged.
- Optimum force transmission due to four-way expansion. This allows for high holding values in solid and hollow building materials.

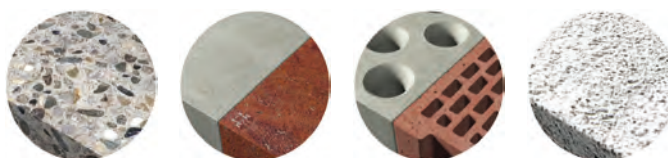
APPLICATIONS

- Cable and pipe clamps
- Components for measurement and control technology

CERTIFICATES



BUILDING MATERIALS



	With rim	With rim and screw	Drill hole diameter	Min. drill hole depth	Anchor length	Wood and chip-board screws	Max. fixture thickness	Drive	Sales unit
	Art.-No.	Art.-No.	d_0 [mm]	h_1 [mm]	l [mm]	$d_s / d_s \times l_s$ [mm]	t_{fix} [mm]		[pcs]
Item	SX	SX-S							
SX 5 x 25	070005	—	5	35	25	3 - 4	—		100
SX 6 x 30	070006	—	6	40	30	4 - 5	—		100
SX 6 x 30	—	070021	6	45	30	4,5 x 40	5		50
SX 6 x 30 S PH	—	545839	6	45	30	4,5 x 40	5	TX 20	50
SX 8 x 40	070008	—	8	50	40	4,5 - 6	—		100
SX 8 x 40	—	070022	8	65	40	5 x 60	15		100
SX 10 x 50	070010	—	10	70	50	6 - 8	—		50
SX 12 x 60	070012	—	12	80	60	8 - 10	—		25

ACCESSORIES



Stone drill bit D-S
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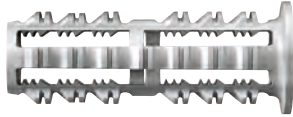


Bit Sets
page 75



SCN for pipe fixings
page 37

The economical hammer-set plug - easy and quick fixing of threaded rods



Steel conduits



Cables

ADVANTAGES

- Innovative plug geometry allows for a tool-free, easy and time-saving installation.
- Short plug length prevents reinforcement hits for secure utilization in reinforced concrete.
- The teeth inside the plug allow standard, metric threads to be held.
- Visible rim of the plug guarantees correct setting.
- Easy to check and adjust: Check the setting depth with the closed plug tip.

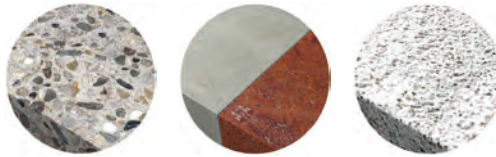
APPLICATIONS

- Steel conduits
- Cables

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Drill diameter d_0 [mm]	Min. drill hole depth h_1 [mm]	Anchor length l [mm]	Min. drop-in penetration e_1 [mm]	Threaded rod $\emptyset \times \text{length}$ [mm]	Sales unit [pcs]
RODFORCE FGD 10 M6	542106	10	40	35	33	—	50
RODFORCE FGD 10 M6 TR 50	542107	10	40	35	33	M 6 x 50	25
RODFORCE FGD 10 M6 TR 60	542108	10	40	35	33	M 6 x 60	25
RODFORCE FGD 10 M6 TR 80	542109	10	40	35	33	M 6 x 80	25
RODFORCE FGD 12 M8	542111	12	40	35	33	—	50
RODFORCE FGD 12 M8 TR 50	542112	12	40	35	33	M 8 x 50	25
RODFORCE FGD 12 M8 TR 60	542113	12	40	35	33	M 8 x 60	25
RODFORCE FGD 12 M8 TR 80	542114	12	40	35	33	M 8 x 80	25

ACCESSORIES



Stone drill bit D-S

The special plug for different fixings in aerated concrete



Pipings



Control cabinets

2

General fixings

ADVANTAGES

- No setting tool necessary: simply drive in with a hammer.
- Optimum pressure distribution and high load-bearing capacity. Spiral outer ribs cut a positive fit in the aerated concrete.
- General building authority approval guarantees safety (only GB 10).

APPLICATIONS

- Pipings
- Control cabinets

CERTIFICATES



BUILDING MATERIALS



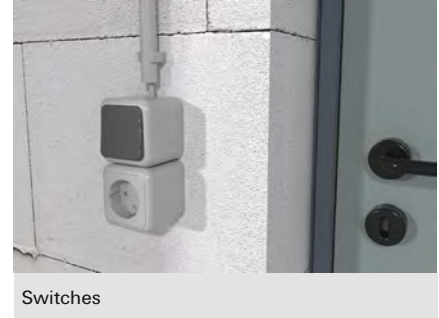
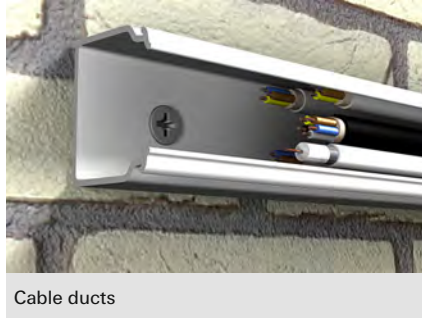
Item	Art.-No.	Approval DIBt	Drill hole diameter d_0 [mm]	Min. drill hole depth h_1 [mm]	Plug length = min. anchorage depth $l = h_{ef}$ [mm]	fischer safety screw $d_s \times l_s$ [mm]	Sales unit [pcs]
GB 8	050491	—	8	60	50	5	25
GB 10	050492	●	10	65	55	7	20
GB 14	050493	—	14	90	75	10	10

ACCESSORIES



Bit Sets
page 75

The versatile nylon anchor for aerated concrete



ADVANTAGES

- For wood screws and metric screws.
- Low axial and edge distances due to expansion pressure-free anchoring.
- High retention forces due to interlocking in building materials.
- Convenient assembly: reduced wear and tear due to the setting tool.

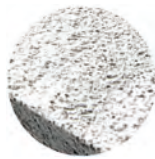
APPLICATIONS

- Lights
- Cable ducts
- Switches

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Drill hole diameter d_0 [mm]	Min. drill hole depth h_1 [mm]	Anchor length l [mm]	Woodscrew diameter d_s [mm]	Metric screw M	Min. bolt penetration $l_{E,min}$ [mm]	Max. bolt penetration $l_{E,max}$ [mm]	Sales unit [pcs]
FTP K 4	078411 ¹⁾	8 - (10)	60	50	4 - 4,5	M 4	35	60	25
FTP K 6	078412 ¹⁾	8 - (10)	60	50	5 - 6	M 5 - 6	40	60	25
FTP K 8	078413 ¹⁾	10 - (12)	70	60	7 - 8	M 8	45	70	25
FTP K 10	078414 ¹⁾	12 - (14)	80	70	9 - 10	M 8 - 10	50	80	10

¹⁾ Values in brackets for drill hole diameter apply for aerated concrete, compressive strength of 5,0 N/mm² or higher.

ACCESSORIES



Setting tool FTP K for Ø4+6
Art.-No. 90990



Setting tool FTP K for Ø 8
Art.-No. 90991

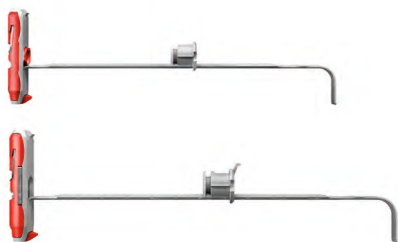


Setting tool FTP K for Ø 10
Art.-No. 90992

Easy to install nylon toggle for high loads in all panel building materials

3

Cavity fixings



Fluorescent tubes



Ceiling lights

ADVANTAGES

- Use of chipboard screws, hooks with fastening and screws with metric threads.
- Flush sleeve strengthens the drill hole and allows considerably higher transverse loads.
- Curved handle allows obstacles to be identified before installation.
- Combination of two material components for more performance.

APPLICATIONS

- Electrical pipe fastening
- Fluorescent tubes
- Ceiling lights

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Drill hole diameter d_0 [mm]	Min. panel thickness d_0 [mm]	Max. panel thickness d_0 [mm]	Min. cavity depth a [mm]	Screw diameter d_s [mm]	Screw length l_s [mm]	Sales unit [pcs]
fischer DUOTEC 10	537258	10	12	55	40	4,5 - 5,0	$\geq dp + t_{fix} + 20$	50
fischer DUOTEC 10 S PH	539025 ¹⁾	10	12	55	40	5,0	70	25
fischer DUOTEC 12	542796	12	12	55	50	5,0 - 6,0 / M6	$\geq dp + t_{fix} + 20$	10
fischer DUOTEC 12 S PH M	542797 ¹⁾²⁾	12	12	55	50	M6	55	10
fischer DUOTEC 12 RH	542798 ³⁾	12	12	55	50	5,5	70	10

1) DUOTEC S PH - with chipboard screw panhead

2) DUOTEC S PH - with machine screw panhead

3) DUOTEC RH - with screw with round hook

ACCESSORIES



Stone drill bit D-S

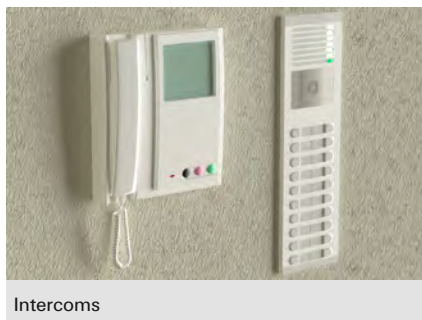
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Bit Sets

page 75

Fastest and easy installation in gypsum plasterboard



Intercoms



Wall lights

ADVANTAGES

- With the cross slot in the anchor head, the anchor can be inserted with a standard screwdriver or bit.
- Simple and fast installation due to a setting tool.
- Less space required behind the board due to a short fixing length.
- High load capacity due to positive fit fixing.
- Ideal for series installation.

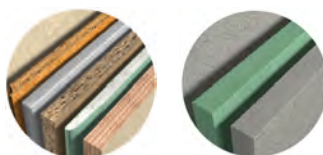
APPLICATIONS

- Cable ducts
- Intercoms
- Wall lights

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Anchor length l [mm]	Min. thickness to first supporting layer t [mm]	Max. fixture thickness t _{fix} [mm]	Screw d _s x l _s [mm]	Drive	Sales unit [pcs]
GK	052389 1) 2)	22	25	—	4,0 - 5,0 x Ls	—	100
GK S	052390 1) 3)	22	25	13	4,5 x 35	PZ2	50
GK GREEN	524868 1) 2)	22	25	—	4,0 - 5,0 x Ls	—	90
GK GREEN S	524869 1) 3)	22	25	13	4,5 x 35	PZ2	45

1) Including installation tool GWK.

2) Min. screw length = length of plug 22 mm + thickness of building component.

3) Supplied with plasterboard screw.

Item	Art.-No.	Anchor length l [mm]	Min. thickness to first supporting layer t [mm]	Max. fixture thickness t _{fix} [mm]	Screw d _s x l _s [mm]	Drive	Sales unit [pcs]
GKM	024556	31	35	—	4,0 - 5,0 x Ls	—	100
GKM 12	040432 1)	31	35	12	4,5 x 35	PZ2	100
GKM 27	040434 2)	31	35	27	4,5 x 50	PZ2	100

1) Supplied with plasterboard screws panhead.

2) Supplied with plasterboard screws countersunk head.

ACCESSORIES



Bit Sets

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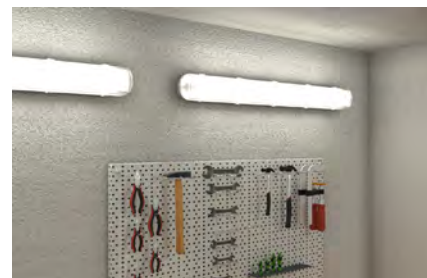
The versatile metal cavity fixing with metric screws

3

Cavity fixings



Steel conduits



Fluorescent tubes

ADVANTAGES

- Flexible assembly: The screw can be loosened and retightened.
- No turning: Claw at the edge of the anchor holds anchor in the panel building material.
- Holds heavy objects in board materials due to the large contact surface of the expanding arms.
- Suitable for pre-positioned installation.
- Complete with metric screw.

APPLICATIONS

- Consoles
- Steel conduits
- Fluorescent tubes

BUILDING MATERIALS



Item	Art.-No.	Drill hole diameter d_0 [mm]	Min. drill hole depth h_1 [mm]	Anchor length l [mm]	Screw $d_s \times l_s$ [mm]	Panel thickness d_p [mm]	Fixture thickness t_{fix} [mm]	Drive	Sales unit [pcs]
HM 4 x 32 S	519769	8	40	32	M 4 x 40	3 - 13	≤ 15 - 25	PH2	50
HM 5 x 52 S	519774	10	58	52	M 5 x 58	7 - 21	≤ 10 - 24	PH2	50
HM 5 x 65 S	519775	10	71	65	M 5 x 71	20 - 34	≤ 12 - 26	PH2	50
HM 6 x 65 S	519782	12	71	65	M 6 x 71	17 - 34	≤ 13 - 30	PH3	50

ACCESSORIES

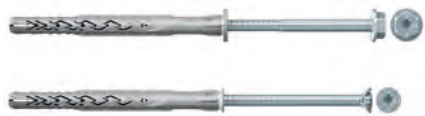


Professional plier HMZ 1
Art.-No. 62320



Stone drill bit D-S
page 71

The versatile with multiple anchorage depth



Consoles



Cable trays

ADVANTAGES

- Long anchor shank for easy push-through installation.
- High load bearing capacity due to innovative functionality and interaction with the fitting screw.
- ETA assessment in concrete and masonry.
- The low anchorage depth of the SXR saves time and money.
- Versatile application of the SXRL due to its long expanding element with variable anchorage depth.

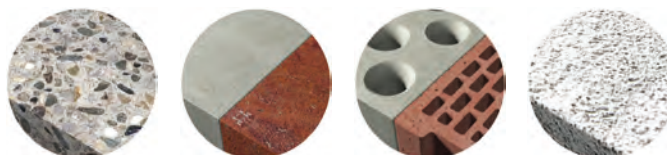
APPLICATIONS

- Control cabinets
- Air conditioners
- Consoles
- Cable trays

CERTIFICATES



BUILDING MATERIALS



	Zinc-plated steel	Stainless steel	Approval	Drill diameter	Min. drill hole depth for through fixings	Usable length at anchorage depth 50mm	Usable length at anchorage depth 70mm	Usable length at anchorage depth 90mm	Anchor length	Drive	Sales unit
	Art.-No.	Art.-No.	ETA	d ₀ [mm]	h ₂ [mm]	t _{fix} [mm]	t _{fix} [mm]	t _{fix} [mm]	l [mm]		[pcs]
Item	gvz	A4									
SXRL 10 x 80 FUS	522719	522730	■	10	90	30	10	—	80	T40/SW13	50
SXRL 10 x 100 FUS	522720	522731	■	10	110	50	30	10	100	T40/SW13	50
SXR 10 x 60 FUS	046329	046339	■	10	70	10	—	—	60	T40/SW13	50
SXR 10 x 80 FUS	046330	046340	■	10	90	30	—	—	80	T40/SW13	50

ACCESSORIES



Stone drill bit D-S
page 71



Bit Sets
page 75

The hammer-in plug for a simple, fast and economical installation



ADVANTAGES

- Simple and secure installation: Integrated hammer-in stop prevents premature anchor spreading.
- With flat head for metal constructions.
- Subsequent dismantling of the nail screw with a cross-slot recess is possible.
- Fast Hammerset installation saves time: ideal for series installation.

APPLICATIONS

- Cable brackets
- Multi cable supports
- Cable ducts
- Metal clamps

CERTIFICATES



BUILDING MATERIALS



Hammerfix N-F with cylindrical head and nail, pre-assembled		Drill hole diameter	Effect. anchorage depth	Anchor length	Min. drill hole depth for through fixings	Max. fixture thickness	Drive	Sales unit
Item	Art.-No.	d ₀ [mm]	h _{ef} [mm]	l [mm]	h ₂ [mm]	t _{fix} [mm]		[pcs]
N 6 x 35/5 F (100)	522948	6	30	35	40	5	PZ2	100
N 6 x 40/10 F (100)	513840	6	30	40	55	10	PZ2	100

Hammerfix N-P with flat edge and nail, pre-assembled	zinc-plated steel	Drill hole diameter	Effect. anchorage depth	Anchor length	Min. drill hole depth for through fixings	Max. fixture thickness	Drive	Sales unit
Item	Art.-No. gvz	d ₀ [mm]	h _{ef} [mm]	l [mm]	h ₂ [mm]	t _{fix} [mm]		[pcs]
N 5 x 30/5 P (100)	050338	5	25	30	45	5	PZ2	100
N 6 x 40/7 P (100)	048795	6	30	40	55	7	PZ2	100

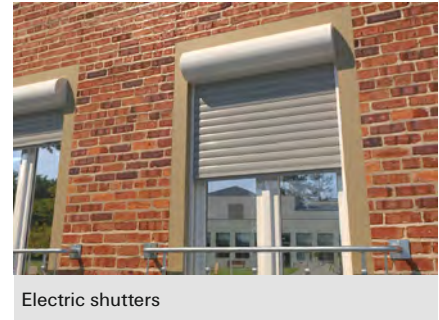
Hammerfix N-S M with nail and connection thread M 6		Drill hole diameter	Effect. anchorage depth	Anchor length	Min. drill hole depth for through fixings	Max. fixture thickness	Drive	Sales unit
Item	Art.-No.	d ₀ [mm]	h _{ef} [mm]	l [mm]	h ₂ [mm]	t _{fix} [mm]		[pcs]
N 6 x 40/10 S M6 (50)	050398	6	30	40	55	10	—	50

ACCESSORIES



Stone drill bit D-S

The thermally separated stand-off installation in external thermal insulation composite systems



ADVANTAGES

- Exact alignment of the attachment without pressure marks and damage to the ETICS.
- Suitable for all building materials.
- No thermal bridge due to the anti-cold cone.
- Installation without setting tool saves time.
- Self-milling plastic cone.

APPLICATIONS

- Thermally separated installation, e. g. antennas
- For heavy duty fasteners Thermax 10/12 see main fixings catalogue.

BUILDING MATERIALS



Item	Art.-No.	Drill hole diameter d_0 [mm]	Drill hole depth h_0 [mm]	Usable length e [mm]	Anchorage depth h_{ef} [mm]	Cover cap-Ø ADK [mm]	Width across nut Ø SW [mm]	Chipboard / metric / sheet metal screw	Sales unit [pcs]
Thermax 8/60 M6	045685 1) 2)	10	120	45 - 60	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/80 M6	045686 1) 2)	10	140	60 - 80	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/100 M6	045687 1) 2)	10	160	80 - 100	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/120 M6	045688 1) 2)	10	180	100 - 120	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/140 M6	045689 1) 2)	10	200	120 - 140	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/160 M6	045690 1) 2)	10	220	140 - 160	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/180 M6	045691 1) 2)	10	240	160 - 180	60	18	10	4,5 - 6,0 / M6 / 6,3	20

1) including SX 5

2) Min. screw length $l_s = 22\text{mm} + \text{thickness of mounting member } e$; for use in wood without universal plug UX, consider drill hole diameter in footnote under load table.

ACCESSORIES

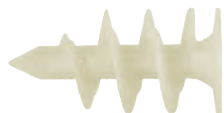


Hammer drill Quattric II
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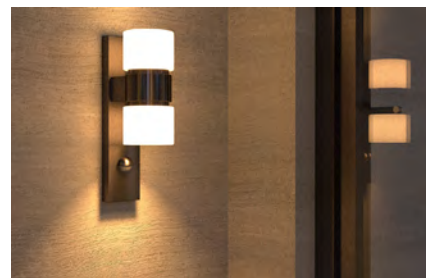


Bit Sets
page 75

Thermal bridge-free installation in insulation materials



Outdoor lighting



Motion detector with light

ADVANTAGES

- No pre-drilling necessary in thin layers of plaster. This saves time.
- With integrated bit mounting. This means that no special setting tool is required. This allows for a fast installation.

APPLICATIONS

- Cables
- Metal clamps
- Outdoor lighting
- Motion detector with light

BUILDING MATERIALS



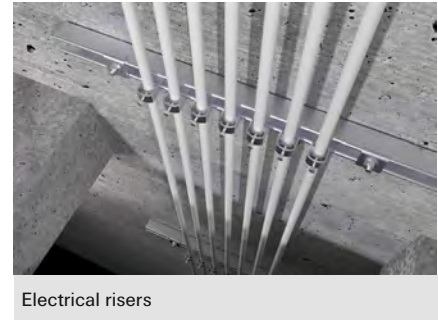
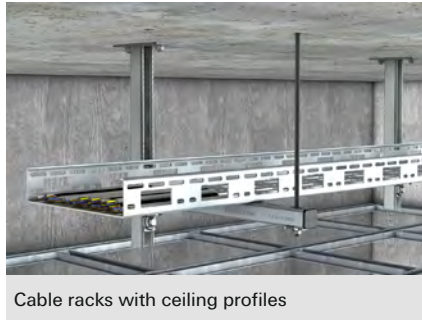
Item	Art.-No.	Anchor length l [mm]	Min. bolt penetration [mm]	Wood and chipboard screws d _s [mm]	Drive	Sales unit [pcs]
FID 50	048213	50	50	4,5 - 5	T40	50
FID 90	510971	90	90	6	6 mm / 6-kt	25

ACCESSORIES



Bit Sets
page 75

For highest demands. Powerful and flexible



6

High performance steel anchors

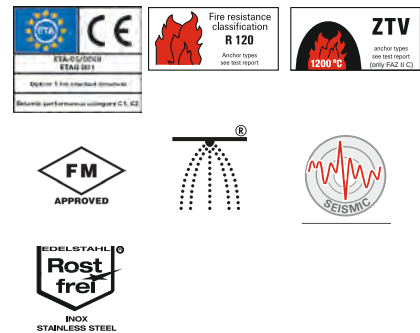
ADVANTAGES

- Variable anchorage depths make it possible now to adapt to the loads with millimetre accuracy.
- Minimum torque slippage: Simple assembly saves time as well as wear and tear.
- According to the new assessment (ETA) the tensile load capacities are decisively increased. This requires less anchors.
- With approval for cracked concrete and fire inspection: maximum safety.

APPLICATIONS

- Control cabinets
- Consoles
- Electric columns

CERTIFICATES



BUILDING MATERIALS



	Zinc-plated steel	Stainless steel	Approval		Seismic-Approval	Drill hole diameter	Min. drill hole depth for through fixings	Anchor length	Max. usable length hef,max./hef,min.	Thread	Width across nut	Sales unit
	Art.-No.	Art.-No.	ETA	ICC		d ₀ [mm]	h ₂ [mm]	l [mm]	t _{fix} [mm]	Ø x length [mm]	○ SW [mm]	[pcs]
Item	gvz	A4										
FAZ II 8/10	094871 1)	501396 1)	■	▲	C1	8	65	75	10/20	M 8 x 38	13	50
FAZ II 10/10	094981	501403	■	▲	C1 / C2	10	85	95	10/30	M 10 x 53	17	50
FAZ II 10/30	094983	—	■	▲	C1 / C2	10	105	115	30/50	M 10 x 73	17	25
FAZ II 12/10	095419	501413	■	▲	C1 / C2	12	100	110	10/30	M 12 x 61	19	20

1) With minimum embedment depth only for statically indeterminate systems

	Zinc-plated steel	Stainless steel	Approval	Drill hole diameter	Min. drill hole depth for through fixings	Anchor length	Usable length (h _{ef} min.)	Thread	Washer (outer diameter x thickness)	Sales unit
	Art.-No.	Art.-No.	ETA	d ₀ [mm]	h ₂ [mm]	l [mm]	t _{fix} [mm]	Ø x length [mm]	[mm]	[pcs]
Item	gvz	A4								
FAZ II 10/10 K	522108	522116	■	10	65	75	10	M 10 x 33	20 x 2	50
FAZ II 12/10 K	522118	522122	■	12	80	90	10	M 12 x 41	24 x 2,5	20
FAZ II 10/10 K GS	522115	—	■	10	65	75	10	M 10 x 33	25 x 3	50
FAZ II 12/10 K GS	522121	—	■	12	80	90	10	M 12 x 41	30 x 3	20

	Steel, zinc-plated, with large washer	Stainless steel, with large washer	Approval	Seismic- Approval	Drill hole diameter d_0 [mm]	Min. drill hole depth for through fixings h_2 [mm]	Anchor length l [mm]	Max. usable length $h_{ef,max.}/$ $h_{ef,min.}$ t_{fix} [mm]	Thread $\emptyset \times \text{length}$ [mm]	Width across nut $\circ SW$ [mm]	U15 [mm]	Sales unit [mm]
Art.-No.	Art.-No.	ETA										
Item	gvz	A4										
FAZ II 8/10 GS	094872	501398	■	C1	8	65	75	10/20	M 8 x 38	13	22 x 2,5	50
FAZ II 10/10 GS	096291	501405	■	C1 / C2	10	85	95	10/30	M 10 x 53	17	25 x 3	50
FAZ II 12/10 GS	096303	501414	■	C1 / C2	12	100	110	10/30	M 12 x 61	19	30 x 3	20

ACCESSORIES



Hammer drill Quattric II
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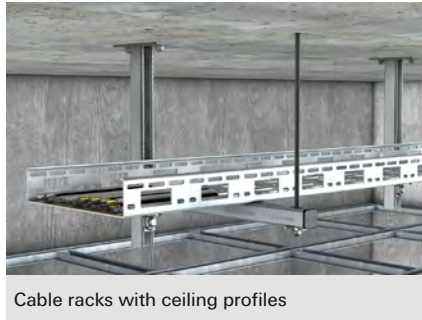


Setting tool FA-ST for M10
Art.-No. 541891



Setting tool FA-ST for M12
Art.-No. 541892

The cost-efficient fixing for flexible use in non-cracked concrete



6

High performance steel anchors

ADVANTAGES

- Simple assembly due to few taps and minimal slippage.
- The drive-in pin protects the thread from damage. This saves time during installation and removal.
- The FBN II achieves maximum load-bearing capacity with standard anchorage depth. This means: fewer fixing points and smaller anchor plates.
- If the reduced anchorage depth is used, then this lowers the drill hole depth and simplifies installation.

APPLICATIONS

- Control cabinets
- Consoles
- Electric columns

CERTIFICATES



BUILDING MATERIALS



	Zinc-plated steel	Stainless steel	Approval	Drill hole diameter	Min. drill hole depth for through fixings	Anchor length	Max. usable length hef,max./hef,min.	Thread	Width across nut	Sales unit
	Art.-No.	Art.-No.	ETA	d ₀ [mm]	h ₂ [mm]	l [mm]	t _{fix} [mm]	Ø x length [mm]	○ SW [mm]	[pcs]
Item	gvz	A4								
FBN II 8/10	040664	507555	■	8	66	71	10/20	M 8 x 39	13	50
FBN II 10/10	040827	507558	■	10	78	86	10/20	M 10 x 46	17	50
FBN II 12/10	040950	507563	■	12	95	106	10/25	M 12 x 59	19	20

ACCESSORIES



Hammer drill Quattric II
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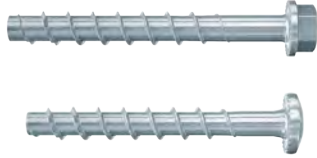


Setting tool FA-ST for M10
Art.-No. 541891

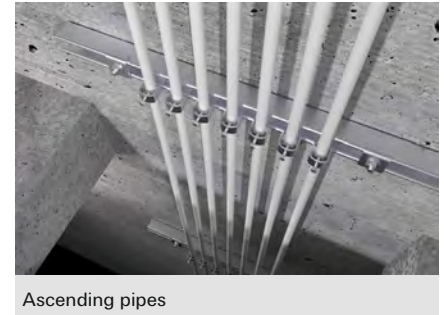


Setting tool FA-ST for M12
Art.-No. 541892

The powerful concrete screw for top installation comfort



Distribution boxes



Ascending pipes

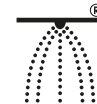
ADVANTAGES

- Fast cutting in thanks to special saw tooth geometry.
- Approval for multiple use for temporary anchorings (diameter 8 and 10).
- ETA approval for cracked concrete: Top safety.
- No drill hole cleaning required for installation in ceilings or floors (diameter 8 and 10).
- Pan head design for an attractive fixation solution with no projection.

APPLICATIONS

- Control cabinets
- Consoles
- Channel systems

CERTIFICATES



BUILDING MATERIALS



		Approval	Drill hole diameter	Min. drill hole depth for through fixings	Screw	Screw-in depth with fixture thickness	Screw-in depth with fixture thickness	Screw-in depth with fixture thickness	Drive	Sales unit
	Art.-No.	ETA	d_0 [mm]	h_2 [mm]	$d_s \times l_s$ [mm]	h_{nom1} / t_{fix} [mm]	h_{nom2} / t_{fix} [mm]	h_{nom3} / t_{fix} [mm]		[pcs]
Item	gvz									
ULTRACUT FBS II 8x55 5/- US TX	536851	■	8	65	10 x 55	50 / 5	- / -	- / -	TX40/SW13	50
ULTRACUT FBS II 8x70 20/5 US TX	536852	■	8	80	10 x 70	50 / 20	- / -	65 / 5	TX40/SW13	50
ULTRACUT FBS II 10x60 5/-/- US	536858	■	10	70	12 x 60	55 / 5	- / -	- / -	SW 15	50
ULTRACUT FBS II 10x70 15/5/- US	536859	■	10	80	12 x 70	55 / 15	65 / 5	- / -	SW 15	50

		Approval	Drill hole diameter	Min. drill hole depth for through fixings	Screw length	Head-Ø	Screw-in depth	Usable length	Drive	Sales unit
	Art.-No.	ETA	d_0 [mm]	h_2 [mm]	l_s [mm]	d_k [mm]	$h_{nom, stand.} / h_{nom, red.}$ [mm]	$t_{fix, stand.} / t_{fix, red.}$ [mm]		[pcs]
Item	gvz									
FBS 6 x 40/5 P	523910	■	6	50	40	15	- / 35	- / 5	T30	100
FBS 6 x 60/5 P	066939	■	6	70	60	15	55 / 35	5 / 25	T30	100

ACCESSORIES



Hammer drill Quattric II
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Socket for FBS II 8
Art.-No. 538578

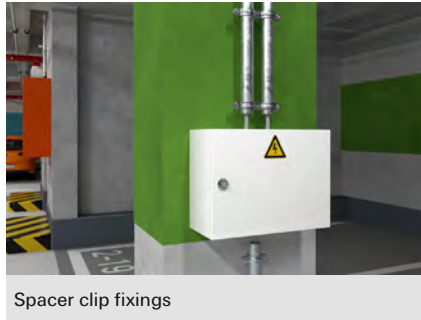
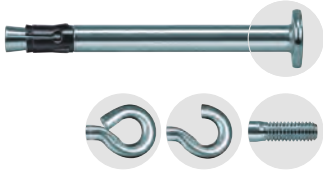


Socket for FBS II 10
Art.-No. 538579



Maxx Bit Set FMB
page 75

The installation-friendly hammer-set anchor for multiple fixings



6

ADVANTAGES

- Hammerset installation saves time.
- No reinforcement hits due to low anchorage depth. This saves time and costs during series installation.
- Expansion clip provides a firm hold.
- ETA approval for multiple fixings.
- Series installation possible with setting tool for the hammer drill. This saves time and costs.

APPLICATIONS

- Wire rope suspension with FNA 6 OE

CERTIFICATES



BUILDING MATERIALS



Nail anchor FNA II with nail head	Zinc-plated steel	Stainless steel	Approval	Drill hole diameter	Min. drill hole depth for through fixings	Anchor length	Max. fixture thickness	Head-Ø	Sales unit
	Art.-No.	Art.-No.	ETA	d_0 [mm]	h_2 [mm]	l [mm]	t_{fix} [mm]	d_k [mm]	[pcs]
Item	gvz	A4							
FNA II 6 x 30/5	044115 ¹⁾	044122	■	6	45	40	5	13.0	100

1) with hexagon below the nail head for anti-rotation lock of hole and wire hangers (for example) and centring FNA II S-SDS

Nail anchor FNA II M6 with thread and flange nut	Zinc-plated steel	Stainless steel	Approval	Drill hole diameter	Min. drill hole depth for through fixings	Anchor length	Max. fixture thickness	Thread	Width across nut	Sales unit
	Art.-No.	Art.-No.	ETA	d_0 [mm]	h_2 [mm]	l [mm]	t_{fix} [mm]	M	○ SW [mm]	[pcs]
Item	gvz	A4								
FNA II 6 x 30 M6/5	044109	—	■	6	45	50	5	M 6	10	100
FNA II 6 x 30 M6/5	—	044112 ²⁾	■	6	45	50	5	M 6	10	50

1) without nut; e.g. for fixing of pipe clamps

2) with nut and washer (no flange nut)

Nail anchor FNA II-H with hook Nail anchor FNA II-OE with eye	Zinc-plated steel	Approval	Drill hole diameter	Anchor length	Min. drill hole depth	Inner diameter of the hook/eye	Sales unit
	Art.-No.	ETA	d_0 [mm]	l [mm]	h_1 [mm]	$\varnothing$ mm	[pcs]
Item	gvz						
FNA II 6 x 25 H	044126	—	6	54	35	10	50
FNA II 6 x 25 OE	044127	■	6	54	35	10	50

ACCESSORIES



Hammer drill Quattric II

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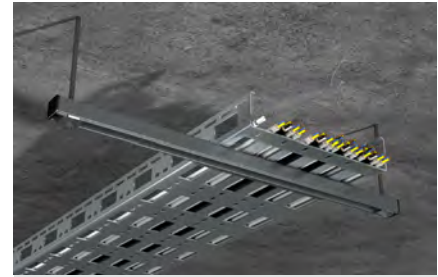
FNA II machine setting tool
SDS-Plus

Art.-No. 61547

The cost-effective hammer set anchor with a rim for quick and easy installation



Cable racks



Cable racks and ladders

6

ADVANTAGES

- Simple Hammer set installation: no slippage during assembly due to the pronounced edge on the anchor sleeve.
- ETA approval for multiple fixings.
- Visual control due to embossing.
- Use of standard metric screws and threaded rods lowers complexity.

APPLICATIONS

- Consoles
- Cable racks
- Cable racks and ladders

CERTIFICATES



BUILDING MATERIALS



	Zinc-plated steel	Approval	Drill hole diameter	Min. drill hole depth for pre-positioned installation	Anchor length	Internal thread	Min. bolt penetration	Max. bolt penetration	Sales unit
	Art.-No.	ETA	d ₀ [mm]	h ₁ [mm]	l [mm]	A1	l _{Emin} [mm]	l _{Emax} [mm]	[pcs]
Item	gvz								
EA II M 6 x 25	532230	■	8	27	25	M 6	6	14	100
EA II M 6 x 30	048264	■	8	32	30	M 6	6	14	100
EA II M 8 x 25	532231	■	10	27	25	M 8	8	14	100
EA II M 8 x 30	048284	■	10	33	30	M 8	8	14	100
EA II M 10 x 25	532232	■	12	27	25	M 10	10	14	50
EA II M 10 x 40	048339	■	12	43	40	M 10	10	17	50
EA II M 12 x 25	532233	■	15	27	25	M 12	12	14	25
EA II M 12 x 50	048406	■	15	54	50	M 12	12	22	25

Associated setting tool for manual installation (EHS Plus), for installation with hammer drill (EMS)

ACCESSORIES



Hammer drill Quattric II

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Setting tool EHS M 6 x 25/30 Plus

Art.-No. 44630



Setting tool EHS M 8 x 25/30 Plus

Art.-No. 44631



Setting tool EHS M 10 x 40 Plus

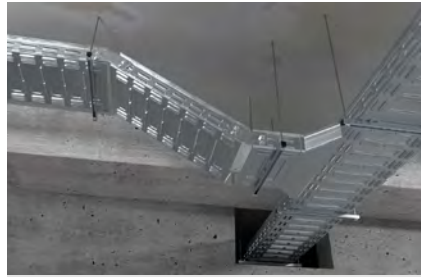
Art.-No. 44633



Setting tool EHS M 12 x 25 Plus

Art.-No. 532568

The strong internally threaded anchor with unique 4-way expansion for fixings in aerated concrete



Cable racks



Consoles

ADVANTAGES

- The first steel anchor with ETA assessment for aerated concrete.
- High load capacity: Expanding wings create undercut. This saves on fixing points.
- Simple and power-saving installation without an additional setting tool.
- No rotation of the anchor.
- Automatic setting control ensures maximum safety.

APPLICATIONS

- Cable racks
- Consoles

CERTIFICATES



BUILDING MATERIALS



	Art.-No.	Approval ETA	Drill diameter d_0 [mm]	Min. drill hole depth for pre-positioned installation h_1 [mm]	Anchor length l [mm]	Effect. anchorage depth h_{ef} [mm]	Min. bolt penet- ration $l_{E,min}$ [mm]	Max. bolt penet- ration $l_{E,max}$ [mm]	Sales unit [pcs]
Item	gvz								
FPX M6-I	519021	■	10	95	75	70	10	15	25
FPX M8-I	519022	■	10	95	75	70	8	15	25
FPX M10-I	519023	■	10	95	75	70	10	15	25

ACCESSORIES



Stone drill bit D-S
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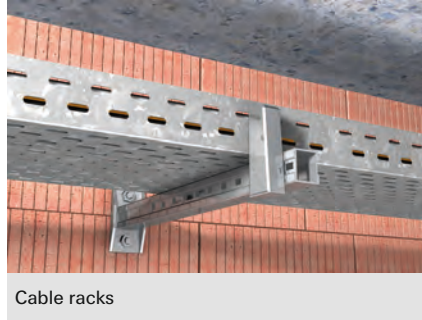


Setting tool FPX M6 I
Art.-No. 522517



Setting tool FPX M8-M12 I
Art.-No. 522518

Injection mortar for anchoring heavy loads in concrete and masonry



Cable racks



Satellite dishes

7

Chemical fixings

ADVANTAGES

- Injection mortars for fixing high and highest loads in different substrates.
- High performance mortar FIS V with a variety of assessments for cracked concrete, masonry and special applications.
- FIS VL with assessment for standard applications in solid and perforated masonry and cracked concrete.
- FIS P the economical solution for fixings in masonry without approval.
- Partially used cartridges can be reused, simply by changing the static mixer.

APPLICATIONS

- Consoles
- Cable racks
- Satellite dishes

CERTIFICATES



BUILDING MATERIALS



		Approval	Languages on the cartridge	Scale unit	Contents	Sales unit
Item	Art.-No.	ETA				[pcs]
FIS V 360 S	094405	■	GB, I, P, E, PRC; JP	180	1 cartridge 360 ml, 2 x FIS MR	6
FIS VL 300 T	539461	■	GB, F, E, P, RO, UAE	150	1 cartridge 300 ml, 2 x FIS MR	12
FIS P 300 T	093175		D, GB, NL, E, PRC, P	150	1 cartridge 300 ml, 2 x FIS MR	12

	Zinc plated, steel grade 5.8	Approval	Drill hole diameter in perforated brick masonry	Min. anchorage depth in perforated brick masonry	Max. useful length in perforated brick masonry	Suitable injection anchor sleeve	Sales unit
Item	Art.-No.	ETA	d ₀ [mm]	h _{ad, min} [mm]	t _{fix, max} [mm]		[pcs]
FIS A M 6 x 75	090243	■	12	50	16	FIS H 12 x 50 K	20
FIS A M 8 x 110	090275	■	12	50	49	FIS H 12 x 50 K	
			12	85	14	FIS H 12 x 85 K	10
			16	85	14	FIS H 16 x 85 K	
FIS A M 10 x 110	090278	■	16	85	12	FIS H 16 x 85 K	10

ACCESSORIES



Static mixer FIS MR Plus
Art.-No. 545853



FIS DM S
Art.-No. 511118



Anchor sleeve FIS H 12x50 K
Art.-No. 41900

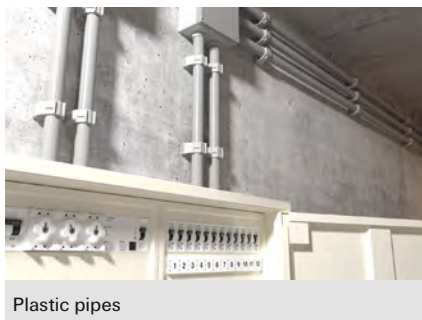


Anchor sleeve FIS H 12x85 K
Art.-No. 41901



Anchor sleeve FIS H 16x85 K
Art.-No. 41902

The easy-to-install and secure locking clip for fixing of pipes



Plastic pipes



Plastic pipes

ADVANTAGES

- Comfortable and safe installation through automatic and reopenable locking.
- Couplings on both sides allow clips to be coupled together.
- Flexible fixing with plugs and screws or 11 mm C-profile rails.
- Made of high-quality nylon, halogen-free, silicone-free, frost-proof.

APPLICATIONS

- Copper, aluminium and steel conduits
- Compound tubes
- Plastic pipes

CERTIFICATES



BUILDING MATERIALS



		Pipe distance to substrate	Dimension clip SCN	Clamping range	Dimension of slot	Sales unit
Item	Art.-No.	[mm]	[lxwxh]	[mm]	[mm]	[pcs]
Locking clip SCN 16	501261	11	30x16x25	16	4,5x4,5	100
Locking clip SCN 20	501262	11	36x16x33	20	4,5x6,5	100
Locking clip SCN 25	501263	11	42x16x40	25	4,5x6,5	50
Locking clip SCN 32	501264	13	48x16x48	32	4,5x7,5	50
Locking clip SCN 40	501265	13	60x16x58	40	4,5x7,5	25
Locking clip SCN 50	501266	14	73x16x70	50	4,5x7,5	25

ACCESSORIES



DUOPOWER with screw
page 16

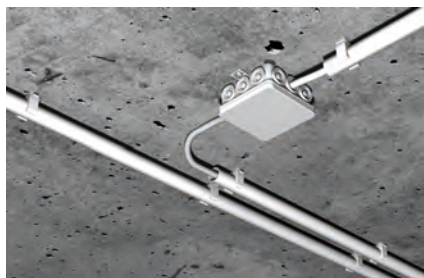


Stone drill bit D-S
page 71



Bit Sets
page 75

The convenient pipe fixing



Plastic pipes



Flexible and rigid plastic insulation pipes

ADVANTAGES

- Made of high-quality nylon without halogens and silicone.
- One-handed installation saves time.
- Coupling up to three pipe clips. This saves on additional drilling.
- Simple assembly due to a slot. This saves time during adjusting.

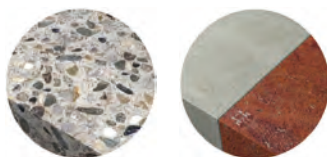
APPLICATIONS

- Copper, aluminium and steel conduits
- Compound tubes
- Plastic pipes
- Flexible and rigid plastic insulation pipes

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Drill hole d_0 [Ø mm]	Min. drill hole depth h_1 [mm]	Suitable for IEC	Clamping range D [mm]	Dimension of slot $B \times L$ [mm]	Sales unit [pcs]
SF plus RC IEC 12	048190	6	35	12	12 - 13	6 x 7	100
SF plus RC IEC 16	048191	6	35	16	15 - 16	6 x 8	100
SF plus RC IEC 20	048193	6	35	20	20 - 21	6 x 10	100
SF plus RC IEC 25	048197	6	35	25	24 - 25	6 x 10	50
SF plus RC IEC 32	048198	6	35	32	31 - 32	6 x 10	25
SF plus RC IEC 40	048199	6	35	40	38 - 40	6 x 10	25
RC IEC 12	058194	—	—	12	12 - 13	6 x 7	100
RC IEC 16	058120	—	—	16	15 - 16	6 x 8	100
RC IEC 20	058122	—	—	20	20 - 21	6 x 10	100
RC IEC 25	058198	—	—	25	24 - 25	6 x 10	50
RC IEC 32	058199	—	—	32	31 - 32	6 x 10	40
RC IEC 40	058200	—	—	40	39 - 40	6 x 10	40
RC IEC 50	079194 1)	—	—	50	50 - 51	6 x 10	20
RC IEC 63	079196 1)	—	—	63	62 - 64	6 x 10	15

1) Does not include latching catches, therefore cannot be mounted side by side.

ACCESSORIES



DUOPOWER with screw
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Stone drill bit D-S
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Bit Sets
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The flexible pipe clip for various diameters



Electric cables



Plastic pipes

ADVANTAGES

- Made of high-quality nylon without halogens.
- Temperature resistant up to -40 °C.
- Flexible holder for various cable and pipe diameters. This lowers storage capacity.
- Flexible attachment with C-rail or fischer Hammerfix N 5.
- Coupling up to three pipe clips. This saves on additional drilling.

APPLICATIONS

- Copper, aluminium and steel conduits
- Compound tubes
- Electric cables
- Plastic pipes

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Clamping range	Sales unit
		D [mm]	[pcs]
FC 6 - 9 GR	068060	6 - 9	100
FC 9 - 12 GR	068062	9 - 12	100
FC 12 - 16 GR	068064	12 - 16	50
FC 16 - 20 GR	068066	16 - 20	25

ACCESSORIES



DUOPOWER with screw
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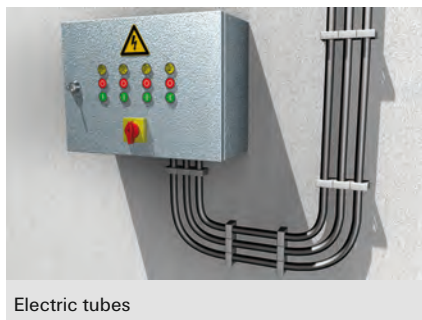
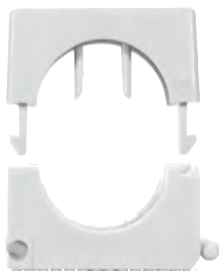


Stone drill bit D-S
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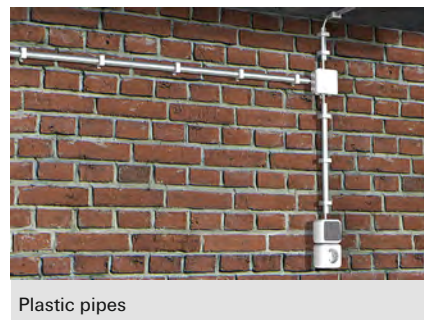


Bit Sets
page 75

The flexible cable clamp for various diameters



Electric tubes



Plastic pipes

ADVANTAGES

- Made of high-quality nylon without halogens.
- High flexibility: Elastic flexible tongue can accept cables with various diameters. This lowers storage capacity.
- Coupling up to three pipe clips. This saves on additional drilling.
- Quick attachment with fischer Hammerfix N 5.
- Temperature resistant from -40 °C to +80 °C.

APPLICATIONS

- Copper, aluminium and steel conduits
- Compound tubes
- Electric tubes
- Plastic pipes

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.		Clamping range D [mm]	Dimension of insulated pipes	Sales unit [pcs]
	Grey RAL 7035	Nylon transparent			
SCH 812	068012	060012	8 - 12	6 x 1 - 8 x 1	100
SCH 1216	068016	060016	12 - 16	10 x 1 - 12 x 1	50
SCH 1619	068019	060019	16 - 19	—	50
SCH 1623	068023	060023	16 - 23	15 x 1 - 18 x 1	50
SCH 2332	068032	060032	23 - 32	22 x 1 - 22 x 1,5	25
SCH 3242	—	060042	32 - 42	22 x 1 - 22 x 1,5	25

ACCESSORIES



DUOPOWER with screw
page 16



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Fixing tie for bundling and fixing of cables and pipes to the substrate



Electric cables



Plastic pipes

ADVANTAGES

- Fixing tie with socket for fixing to various substrates.
- For bundling of cables and empty conduits.
- Diameter of the tie loop is variably adjustable.
- Socket can be adjusted via slotted hole.

APPLICATIONS

- Copper, aluminium and steel conduits
- Electric cables
- Plastic pipes

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Length fixing tie l [mm]	Dimension fixing base wxhxd [mm]	For pipe diameter d [mm]	Max. screw diameter for fixing [mm]	Sales unit [pcs]
Fastening tie FF 8 - 32	519808	172	25x15x20	8 - 32	4,5	80
Fastening tie FF 16 - 63	519809	269	25x15x20	16 - 63	4,5	40

ACCESSORIES



DUOPOWER with screw
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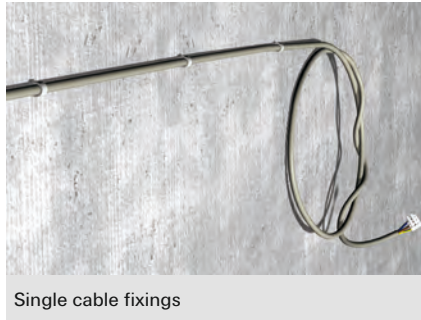


Stone drill bit D-S
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Bit Sets
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The user-friendly clip fixing for pipes and conduits



ADVANTAGES

- Made of high-quality nylon.
- One-handed installation makes overhead installations easier.
- Flexible with various cable and pipe diameters.
- High retention forces due to a locking catch.
- Saves on installation time: Combined anchor, screw, and loop.

APPLICATIONS

- Flexible and rigid plastic insulation pipes
- Single cable fixings
- Multiple cable fixation

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Drill hole	Min. drill hole depth	Clamping range	Sales unit
		d_0 [Ø mm]	h_1 [mm]	D [mm]	[pcs]
SF plus LS 3/13	058155	6	35	3 - 13	100
SF plus LS 8/28	058156	6	50	8 - 28	100
SF plus LS 20/40	058157	6	50	20 - 40	100
SF plus ES 10	048151	6	40	3 - 12	100
SF plus ES 18	048152	6	40	10 - 25	100
SF plus ES 28	058183	6	40	15 - 31	100
SF plus ZS 10	058184	6	35	3 - 12	100
SF plus ZS 18	048161	6	40	10 - 25	100
SF plus ZS 28	048162	6	40	15 - 31	75

ACCESSORIES



Stone drill bit D-S

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The user-friendly clip fixing for cable ducts and cable clasps



Cable ducts



Cable brackets

ADVANTAGES

- Made of high-quality nylon.
- Simple assembly in cable ducts that are difficult to access. Combined plug and screw.
- High retention forces due to a locking catch.
- Plug-in installation saves time.

APPLICATIONS

- Multi cable support
- Pipe clips

CERTIFICATES



BUILDING MATERIALS



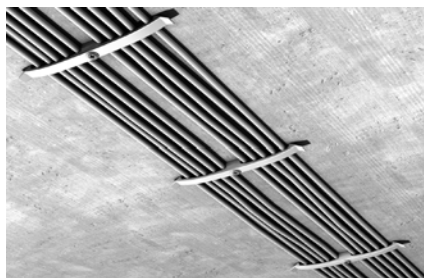
Item	Art.-No.	Drill hole	Min. drill hole depth	Max. usable length	Sales unit
		d_0 [Ø mm]	h_1 [mm]	t_{fix} [mm]	[pcs]
SF plus SD 30	058178	6	35	4	200
SF plus SD 40	058179	6	35	15	100

ACCESSORIES



Stone drill bit D-S

The flat cable clasp for space-saving cable fixing



Fixing of cable harnesses



Fixing of cable harnesses

ADVANTAGES

- Made of high-quality nylon.
- Simple one-handed installation.
- Simple retrofitting is possible.
- Space-saving cable fixing due to flat construction.
- Secure guide due to clamping.

APPLICATIONS

- Fixing of several cables with little installation space
- Fixing of several cables in false ceilings

BUILDING MATERIALS



Item	Art.-No.	Drill hole d_0 [Ø mm]	Min. drill hole depth h_1 [mm]	Dimensions $a \times b$ [mm]	Dimension of slot $B \times L$ [mm]	Max. number of ducts NYM 3 x 1,5	Sales unit [pcs]
Cable clasp with nailplug KB N 8	545522	6	35	15 x 133	6 x 10	8	50
Cable clasp with nailplug KB N 16	545523	6	35	15 x 230	6 x 10	16	25
Clipfix plus cable clasp SF plus KB 8	048171	6	35	15 x 133	6 x 10	8	50
Clipfix plus cable clasp SF plus KB 16	048172	6	35	15 x 230	6 x 10	16	25
Cable clasp KB 8	058135	—	—	15 x 133	6 x 10	8	50
Cable clasp KB 16	058136	—	—	15 x 230	6 x 10	16	50

ACCESSORIES



Stone drill bit D-S

The adaptable cable harness for fixing cable bundles



Fixing cable bundles



Connecting of cable supports

ADVANTAGES

- Simple bundling and laying of multiple electric cables.
- Made of high-quality nylon.
- Simple to retrofit due to the reclosable seal.
- Flexible attachment with ClipFix plus, installation base SHA MS or with anchors and screws.
- Installation of several cable harnesses with just one installation base. This saves costs.

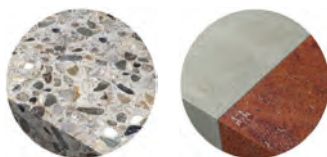
APPLICATIONS

- Fixing of electric cables loose and bundled

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Drill hole d_0 [Ø mm]	Min. drill hole depth h_1 [mm]	Dimensions $a \times b$ [mm]	Max. number of ducts	Sales unit [pcs]
SHA 15	058139	—	—	93 x 49	15 ducts NYM 3 x 1,5	50
SHA 30	058140	—	—	128 x 59	30 ducts NYM 3 x 1,5	25
SHA MS	058141	—	—	41 x 27	connection piece	50
SF plus MS	048181	6	35	41 x 27	installation base with clip-plug	50
SHA KP	058142	—	—	—	installation base	50

ACCESSORIES



Stone drill bit D-S
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DUOPOWER with screw
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Hammerfix N
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Bit Sets
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Metal multi-cable support with high mechanical resistance and approval



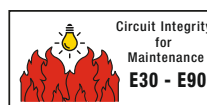
ADVANTAGES

- Metal holders with high strength and safety.
- Approved as cable-specific variant for circuit integrity maintenance of electric cable systems in accordance with DIN 4102 Part 12.
- Especially for installation above fire protection ceilings.
- Lock can be operated without tools.
- Halogen-free and without fire load.

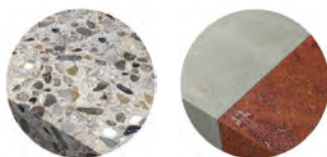
APPLICATIONS

- Fixing of electric cables loose and bundled

CERTIFICATES



BUILDING MATERIALS



		Fixing hole diameter	Dimension multi cable support	Number of cables NYM 3 x 1,5	Sales unit
Item	Art.-No.	[mm]	[l x w x h]		[pcs]
Multi Cable Support Metal SHA M 15	544933	6	66,7 x 41,9 x 30,6	15	50
Multi Cable Support Metal SHA M 30	544934	6	92,8 x 58,1 x 33,6	30	25
Multi Cable Support Metal SHA M 70	544935	6	126,0 x 104,0 x 80,0	70	10

ACCESSORIES



Nail anchor FNA II 6
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Hammer drill Quattric II
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The quick tool-free cable fixing in wall slots



Cable fixing in wall slots > 30 mm



Cable fixing in wall slots < 55 mm

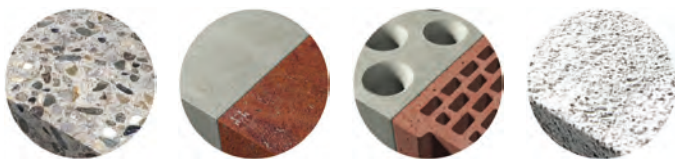
ADVANTAGES

- Tool-free cable fixing in wall slots by simple expansion.
- High holding force and up to 50% less installation time.
- For wall slots 30 - 55mm wide.
- No damage to the cables possible.
- Halogen-free material.

APPLICATIONS

- Fastening of cables in wall slots

BUILDING MATERIALS



		Max. wall slot width	Dimension h x w x d	Sales unit
Item	Art.-No.	[mm]	[mm]	[pcs]
Wall slot clip FWSC 30 - 55	545792	55	38 x 60 x 4	50

ACCESSORIES



Chisel

The secure cable fixing in wall slots



Multiple cables in wall slots



Multiple cables on wood

ADVANTAGES

- High quality: Nail is made from hardened, galvanised steel.
- Simple to plaster over due to flat nail disc.
- Polypropylene high-strength nail disc.
- Firm hold: optimal contact pressure due to a vaulted structure.

APPLICATIONS

- Fixing of cables in wall slots and on wood

BUILDING MATERIALS



Item	Art.-No.	Dimension of nail	Dimension of disc	Sales unit
		a x b [mm]	b x l [mm]	[pcs.]
Nail disc NSB 2/40	048308	2 x 40	27 x 34	200
Nail disc NSB 2/50	048309	2 x 50	27 x 34	150
Nail disc NSB 2/60	048310	2 x 60	27 x 34	100
Nail disc NSB 3/40	048311	3 x 40	27 x 34	150
Nail disc NSB 3/50	048312	3 x 50	27 x 34	150
Nail disc NSB 3/60	048313	3 x 60	27 x 34	100

ACCESSORIES



Chisel

The fast fixing for electric cables



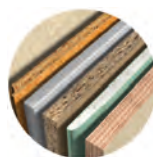
ADVANTAGES

- Simple assembly even with limited space.
- It does not contain halogens.
- Pre-assembled element saves installation time.

APPLICATIONS

- Fixing of individual cables with different diameters

BUILDING MATERIALS



Item	Art.-No.	For cable	Clamping range	Length of nail	Sales unit
		[Ø mm]	D [mm]	L [mm]	[pcs]
NS 7	058173	7	7	25	100
NS 8	058174	8	8	25	100
NS 9	058175	9	9	25	100
NS 10	058176	10	10	30	100
NS 12	058177	12	12	35	100
MNS 4-7	094673	—	4 - 7	25	100
MNS 7-11	094674	—	7 - 11	25	100
MNS 10-14	094675	—	10 - 14	30	100

The installation-friendly metal spacing disc for cables and pipes



Conduits



Aluminium and steel conduits

ADVANTAGES

- High flexibility: Assembly with fischer nail anchor FNA II or Hammerfix N 6.
- Fast installation due to fast-locking latch.
- Pre-assembled combination screw with slot or cross-slot recess.

APPLICATIONS

- Plastic insulation pipes
- Compound tubes
- Conduits
- Aluminium and steel conduits

BUILDING MATERIALS



Item	Art.-No.	Dimension IEC	Clamping range D [mm]	Sales unit [pcs]
AM 8	060185	—	8	50
AM 10	060186	—	10	50
AM 12	060187	12	12	50
AM 14	060188	—	14	50
AM 16	060189	16	16	50
AM 18	060190	—	18	50
AM 20	060191	20	20	50
AM 22	060192	—	22	50
AM 24	060193	—	24	50
AM 26	060194	25	25 - 26	50
AM 28	060195	—	28	50
AM 30	060196	—	30	50
AM 32	060209	32	32	25
AM 34	060210	—	34	25
AM 37	060211	37	37	20
AM 40	090849	40	40	15
AM 50	090850	50	50	10
AM 63	090851	63	63	10

ACCESSORIES



Nail anchor FNA II 6 M6
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DUOPOWER FM6S TX
page 16



Stone drill bit D-S
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Bit Sets
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The installation-friendly metal spacing disc for cables and pipes



Aluminium and steel conduits



Conduits

ADVANTAGES

- Time-saving installation due to quick-release bracket.
- Pre-assembled combination screw with slot and cross-slot recess.
- High flexibility: installation with nail anchor FNA II, Hammerfix N or plastic plug DUOPOWER with screw FM6S.

APPLICATIONS

- Plastic insulation pipes
- Compound tubes

BUILDING MATERIALS



		Thread M	Clamping Range D	Sales unit
Item	Art.-No.	[mm]	[mm]	[pcs]
Spacing clamp double AMD 10-12	545772	6	10 - 12	25
Spacing clamp double AMD 14-16	545773	6	14 - 16	25
Spacing clamp double AMD 17-19	545774	6	17 - 19	25
Spacing clamp double AMD 20-23	545775	6	20 - 23	25
Spacing clamp double AMD 24-27	545776	6	24 - 27	25

ACCESSORIES



Nail anchor FNA II 6 M6
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DUOPOWER FM6S TX
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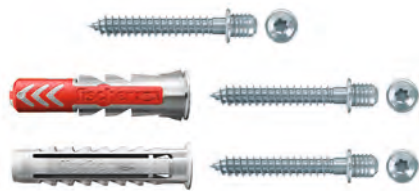


Stone drill bit D-S
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Bit Sets
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The universal fixing for metal clamps with M6 thread for any building material



Aluminium and steel conduits



Conduits

ADVANTAGES

- Screw with M6 connection thread for fixing of screw spacing clamps.
- For direct screwing into wood or setting with expansion plug SX in solid and perforated building materials.
- With TX star recess drive.

APPLICATIONS

- Fixing of fischer AM and fischer AMD spacer pipe clamps with M6 thread.

BUILDING MATERIALS



		Nominal drill-Ø	Minimum drill depth at prior insertion mode	Anchor-age depth	Max. fixing thickness	Minimum screw-in depth	Screw-Ø x length	Thread	Drive	Sales unit
		d_0	h_0	$h_{ef} \geq$	$t_{fix} \leq$	e_1				
Item	Art.-No.	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[pcs]
Screw with M6-treads FM6S TX	545777	-	-	35	5	35	4,5x35	6	Torx T15	100
DUOPOWER FM6S TX	545765	6	40	30	5	35	4,5x35	6	Torx T15	50
SX FM6S TX	545766	6	40	30	5	35	4,5x35	6	Torx T15	50

ACCESSORIES



Stone drill bit D-S
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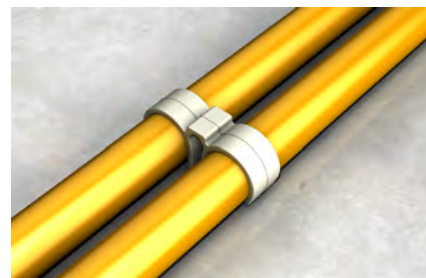


Bit Sets
page 75

The fixing without additional plugs for cables and pipes



Flexible and rigid plastic pipes



Conduits

ADVANTAGES

- Conduit clip and plug in one product.
- Simple hammer setting without plug and screw process.
- The conduit clip securely surrounds and fixes the pipes.
- Halogen-free material.

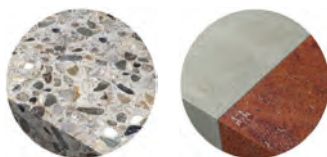
APPLICATIONS

- Copper, aluminium and steel conduits
- Compound tubes

CERTIFICATES



BUILDING MATERIALS



		Nominal drill-Ø d_0	Minimum drill depth h_i	Anchorage depth $h_{ef} \geq$	Clamping Range for outer pipe diameter	Sales unit
Item	Art.-No.	[mm]	[mm]	[mm]	[mm]	[pcs]
FCNS 16 Conduit clip nylon single	545778	8	35	30	16	50
FCNS 20 Conduit clip nylon single	545779	8	35	30	20	50
FCNS 22 Conduit clip nylon single	545780	8	35	30	22	50
FCNS 25 Conduit clip nylon single	545781	8	35	30	25	50
FCND 16 Conduit clip nylon double	545782	8	35	30	16	50
FCND 20 Conduit clip nylon double	545783	8	35	30	20	50
FCND 22 Conduit clip nylon double	545784	8	35	30	22	40
FCND 25 Conduit clip nylon double	545785	8	35	30	25	40

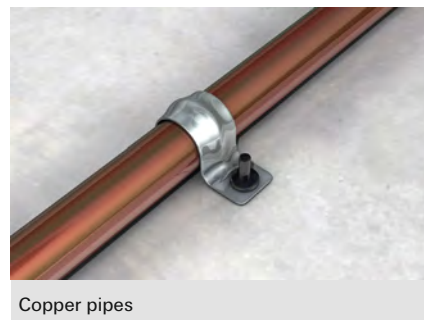
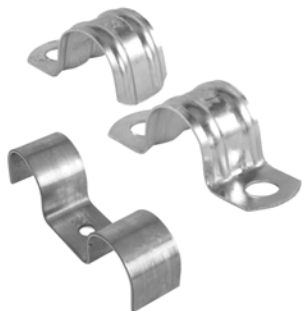
ACCESSORIES



Hammer drill Quattric II

page 70

The flat metal clip for cables and pipes



ADVANTAGES

- Ideal for retrofitting cables and pipes.
- Fast installation with fischer impact nail ED into concrete.

APPLICATIONS

- Flexible and rigid plastic insulation pipes
- Compound tubes
- Aluminium and steel conduits
- Copper pipes

BUILDING MATERIALS



Item	Art.-No.			Dimension IEC	Clamping range D [mm]	Sales unit [pcs]
	BSM	BSMD	BSMZ			
6	015014	—	—	—	6	100
8	015015	—	—	—	8	100
10	015016	—	—	—	10	100
10	—	015068	—	—	10	50
12	015017	015069	—	—	12	50
14	015018	015070	—	—	14	50
15	015093	—	—	15	15	50
16	060149	060169	—	16	16	50
18	060150	060170	—	—	18	50
20	060151	060171	079535	20	20	50
22	060152	060172	—	—	22	50
24	060153	—	079536	—	24	50
25	090839	090844	—	25	25	50
26	096958	015076	—	—	26	50
28	—	060175	—	—	28	25
28	060155	—	079537	—	28	50
30	015019	—	—	—	30	50

Item	Art.-No.			Dimension IEC	Clamping range D [mm]	Sales unit [pcs]
	BSM	BSMD	BSMZ			
32	090840	—	—	32	32	50
32	—	090845	—	32	32	25
37	060158	060178	—	—	37	25
40	090841	090846	—	40	40	25
42	—	015081	—	—	42	20
42	015021	—	—	—	42	25
47	—	015082	—	—	47	20
50	090842	—	—	50	50	20
50	—	090847	—	50	50	15
63	—	090848	—	63	63	10
63	090843	—	—	63	63	15

ACCESSORIES



Impact nail ED
page 57



DUOPOWER with screw
page 16



Hammerfix N
page 25



Stone drill bit D-S
page 71

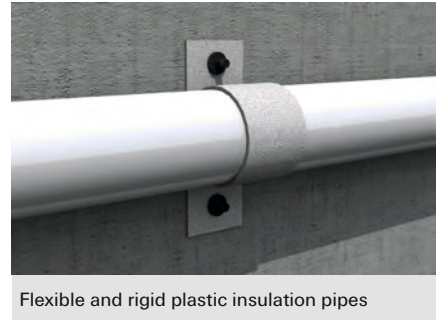


Bit Sets
page 75

Textile and steel straps for cost-effective and easy pipe fixings



Plastic pipes



Flexible and rigid plastic insulation pipes

ADVANTAGES

- Flexible adjustment to pipe diameters.
- Cost-effective, simple assembly.
- Ideal for temporary attachments.

APPLICATIONS

- Plastic pipes
- Flexible and rigid plastic insulation pipes
- Compound tubes

BUILDING MATERIALS



Item	Art.-No.	Total length I [mm]	Width B B [mm]	Thickness S [mm]	Eye Ø D [mm]	Sales unit [pcs]
GWB Tear-proof textile straps	020959	10.000	15	1.1	-	10
LBV 12 Zink-plated steel straps	079549	10.000	12	0.75	5	10
LBV 17 Zink-plated steel straps	079550	10.000	17	0.75	6,5	10
LBV 25 Zink-plated steel straps	079551	10.000	25	0.88	8,5	8
LBK 14 Plastic-covered steel straps	079553	10.000	14	2.6	5	10
LBK 19 Plastic-covered steel straps	079554	10.000	19	2.4	6,5	8
LBK 27 Plastic-covered steel straps	079555	10.000	27	2.4	8,5	5

ACCESSORIES



Impact nail ED

page 57

Fixing in concrete without pre-drilling



Fixing of metal clamps



Perforated and fabric tapes

ADVANTAGES

- Quick and easy impact installation without pre-drilling in fresh concrete (not older than 6 months).
- Safe hammering due to impact protection on the setting tool SZE.

APPLICATIONS

- Fixing of conduit clips e.g. BSM, BSMD, BSMZ
- Fixing of perforated bands e.g. GWB, LBV, LBK

BUILDING MATERIALS



Item	Art.-No.	Length l [mm]	Diameter d [mm]	Sales unit [pcs]
ED 15	048212	15	4.0	200
ED 18	079815	18	4.0	200
ED 22	014570	22	4.0	200

ACCESSORIES



Setting tool SZE
Art.-No. 79820

For the simple bundling of cables and pipes



Cable bundling



Pipe fixing with cable tie plug

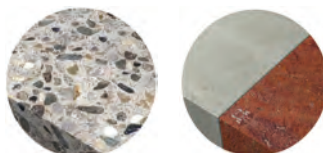
ADVANTAGES

- Operating temperature from -10 °C to +85 °C.
- Made of high-quality nylon.
- Free of silicone and halogens.

APPLICATIONS

- Bundling of cables, plastic and steel conduits
- Fixing of bundled cables with cable tie plug FCTP

BUILDING MATERIALS



Item	Art.-No.			Dimensions [mm]	Bundle diameter [mm]	Sales unit [pcs]	Outer carton [pcs]
	Colour: black	Colour: transparent	Colour: green				
BN/UBN/GBN 2,5 x 100	087488	087478	543924	2,5 x 100	max. 20	100	20000
BN/UBN 2,5 x 120	087489	087479	—	2,5 x 120	max. 27	100	15000
GBN 2,5 x 150	—	—	543925	2,5 x 150	max. 36	100	20000
BN/UBN/GBN 2,5 x 200	087490	087480	543926	2,5 x 200	max. 52	100	10000
BN/UBN 2,5 x 160	069363	037489	—	2,5 x 160	max. 39	100	20000
BN/UBN/GBN 3,6 x 150	087491	087481	543927	3,6 x 150	max. 36	100	10000
BN/UBN 3,6 x 200	037573	019802	—	3,6 x 200	max. 52	100	10000
BN/UBN 3,6 x 300	069364	037490	—	3,6 x 300	max. 84	100	7500
BN/UBN 4,5 x 160	069365	037501	—	4,5 x 160	max. 36	100	10000
BN/UBN 4,6 x 190	069366	037581	—	4,6 x 190	max. 46	100	10000
BN/UBN/GBN 4,6 x 200	087494	087484	543928	4,6 x 200	max. 49	100	7500
BN/UBN 4,8 x 250	069367	—	—	4,8 x 250	max. 65	100	5000
BN/UBN 4,8 x 250	—	037582	—	4,8 x 250	max. 65	100	5000
BN/UBN/GBN 4,8 x 280	087495	087485	543929	4,8 x 280	max. 74	100	5000
BN/UBN 4,8 x 350	069368	037653	—	4,8 x 350	max. 97	100	5000
BN/UBN 4,8 x 370	069369	037583	—	4,8 x 370	max. 103	100	5000
BN/UBN 4,8 x 430	069370	037708	—	4,8 x 430	max. 122	100	5000
BN/UBN 7,6 x 200	069372	037945	—	7,6 x 200	max. 50	100	4500
BN/UBN 7,8 x 300	069373	037949	—	7,6 x 300	max. 82	100	2500
BN/UBN 7,6 x 350	087497	087487	—	7,6 x 350	max. 98	100	2500
BN/UBN 7,6 x 450	069374	037996	—	7,6 x 450	max. 130	100	2500
BN/UBN 7,6 x 550	069375	037997	—	7,6 x 550	max. 162	100	2000
BN/UBN 8,8 x 760	069376	037998	—	8,8 x 760	max. 229	100	1000
BN/UBN 8,8 x 810	069377	038000	—	8,8 x 810	max. 245	100	1000
BN/UBN 8,8 x 1220	069379	038002	—	8,8 x 1168	max. 340	100	500

ACCESSORIES



Cable tie plug FCTP

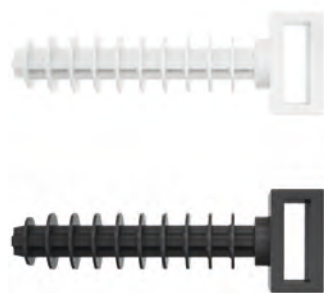
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Stone drill bit D-S

page 71

The universal fixing point for cable ties



Flexible and rigid plastic pipes



Electric cables

ADVANTAGES

- Cable tie plug with eyelet.
- Universal fixing point for fixing all common cable ties.
- Time-saving hammer setting.
- Secure hold in the building material.

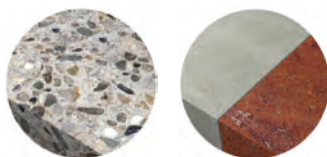
APPLICATIONS

- Universal fixing point for fixing of cables and pipes using cable ties, e. g. BN, UBN

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Nominal drill-Ø d_0 [Ø mm]	Min. drill hole depth h_0 [mm]	Anchorage depth $h_{ef} \geq$ [mm]	Total length l [mm]	suitable for cable tie with max. width x max. height [mm]	Sales unit [pcs]
FCTP-W cable tie plug white	545786	8	40	35	45	9,5x3	100
FCTP-B cable tie plug black	545787	8	40	35	45	9,5x3	100

ACCESSORIES



Stone drill bit D-S
page 71



Cable tie BN / UBN / GBN
page 58

The easy handling pipe and cable clamp for direct attachment of lines to FUS mounting rails



Risers



Supply pipes

ADVANTAGES

- Ideal for industrial applications.
- Screw plug with hexagon head SQ10 and slotted drive.
- Fast looking of the pressure trough to the desired outer pipe diameter.
- Preassembled.
- Installation without accessories.

APPLICATIONS

- Fast installation of metal and plastic pipes, flexible plastic pipes or cables without sound insulation requirements directly to FUS installation channels

Item	Art.-No.	Clamping range	Height H	Width x thickness clamp band b x s	Locking screw	Sales unit
		D [mm]	H [mm]	[mm]		[pcs]
FUBD 40	539564	36 - 40	71	25 x 1,75	M 6 x 24	100
FUBD 52	539566	48 - 52	90	25 x 2,0	M 8 x 30	50
FUBD 60	539567	56 - 60	98	30 x 2,25	M 8 x 30	50
FUBD 76	539568	70 - 76	113	30 x 2,75	M 8 x 30	25
FUBD 94	539569	88 - 94	141	30 x 2,75	M 8 x 40	20
FUBD 100	539570	94 - 100	147	30 x 2,75	M 8 x 40	10

ACCESSORIES



Channel FUS 41/2,0 - 2 m

Art.-No. 40390



Channel FUS 41/2,0 - 3 m

Art.-No. 97658



Channel FUS 41/2,0 - 6 m

Art.-No. 97659



Channel washer HK 41
for Ø 8

Art.-No. 504348



Channel washer HK 41
for Ø 10

Art.-No. 504349

The mounting rail as a variable base element for lightweight installations



Suspended cable racks



Cable racks

ADVANTAGES

- Tested functional safety by fire test report according to MLAR/EN 1363-1 for FLS 37.
- Perfect fitting and assembly of the construction elements due to lateral beading.
- Scaling simplifies cutting to length and placement of assembly parts.
- Alternating slotted holes for optimum mounting.

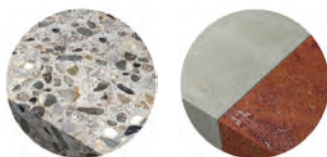
APPLICATIONS

- The U-profile channels enable the creation of secure, horizontal and vertical installations.
- The channel system is suitable for fast and efficient fixings of pipelines and supporting structures.

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Fire test report	Thickness	Length	Sales unit
			[mm]	L [mm]	[pcs]
FLS 17/1.0 - 2 m	538753	—	1.0	2000	10
FLS 17/1.0 - 3 m	538754	—	1.0	3000	8
FLS 30/1.0 - 2 m	538755	—	1.0	2000	10
FLS 30/1.0 - 3 m	538756	—	1.0	3000	8
FLS 37/1.2 - 2 m	538757	X	1.2	2000	10
FLS 37/1.2 - 3 m	538758	X	1.2	3000	8
FLS 37/1.2 - 6 m	538759	X	1.2	6000	1

ACCESSORIES



Bolt anchor FAZ II

page 28



Concrete screw FBS 6 P

page 31



Hammer drill Quattric II

page 70



Accessories installation system FLS

page 61

Cantilever arms with FLS mounting rail profile - the cost-effective fixing



Cable racks



Console construction

ADVANTAGES

- Tested functional safety by fire test report according to MLAR/EN1363-1 for ALK 37.
- Durable construction due to stable base plate.
- Special slotted hole arrangement for easy alignment.

APPLICATIONS

- The ALK cantilever arm allows the economic installation of cable racks along the wall.

CERTIFICATES



BUILDING MATERIALS



Item	Art.-No.	Fire test report	Profile	Length L [mm]	Sales unit [pcs]
ALK 17-200	538738	—	17/1,0	200	10
ALK 17-300	538739	—	17/1,0	300	10
ALK 30-200	538740	—	30/1,0	200	10
ALK 30-300	538741	—	30/1,0	300	10
ALK 30-450	538742	—	30/1,0	450	10
ALK 37-300	538743	X	37/1,2	300	10
ALK 37-450	538744	X	37/1,2	450	10
ALK 37-600	538745	X	37/1,2	600	5

ACCESSORIES



Bolt anchor FAZ II

page 28



Concrete screw FBS 6 P

page 31



Hammer drill Quattric II

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Accessories installation system FLS

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Angle brace WS 31–45° for stable constructions



Cable tray on cantilever construction

ADVANTAGES

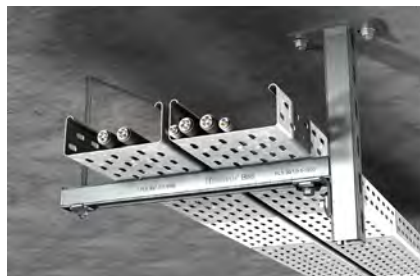
- Angle brace element lends great stability and safety to supporting structures.
- Size fits securely with ALK cantilever arms and FLS channels

APPLICATIONS

- Angle brace to construct self-supporting channel constructions with FLS channels or ALK cantilever arms.

Item	Art.-No.	Eye Ø D [mm]	Sales unit [pcs]
WS 31-45°	538749	11	10

Channel nut FSM Clix M for quick and easy fixing in FLS channels



Channel fixing to mounting rail

ADVANTAGES

- The unique spring leg of FSM Clix M guarantees the necessary contact pressure of the connector to the FLS channel.
- Teeth on the sliding nut enable an exact and secure positioning in the FLS channel.
- The clix-connector element with 90°-turn for connecting enables an time saving post-installation in set channels.
- Stop element guarantees the accurate 90°-turn of the connector in the channel to ensure a faultless installation.

APPLICATIONS

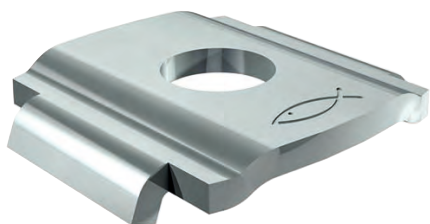
- FSM Clix M is suitable for connecting cable trays with bolts to FLS channels.

CERTIFICATES



Item	Art.-No.	Thread A	Width across nut ○ SW [mm]	Sales unit [pcs]
FSM Clix M 6	538650	M 6	10	50
FSM Clix M 8	538651	M 8	13	50
FSM Clix M 10	538652	M 10	17	50

Connector - Channel washer HK 31



Profile fixing to the substrate

ADVANTAGES

- Special retaining brackets at the channel washer enable a form-locking installation longitudinal and transverse to the channel direction.
- Standardised slots of the channel washer enable an exact push-through connection of FLS mounting channels.

APPLICATIONS

- Channel washer for stable connections and to strengthen the profile for a fixing to the substrate.

CERTIFICATES



Item	Art.-No.	Hole diameter	Sales unit
		D [mm]	[pcs]
HK 31 8,5	538663	8,5	50
HK 31 10,5	538664	10,5	50

Construction elements - Angle bracket MW 90°



Channel fixing to the floor

ADVANTAGES

- Angle bracket enables a formlocking installation longitudinal and transverse to the channel direction.
- Long slot on flat wing enables a space-saving fixation to the substrate.
- Standardised holes enable an exact connection to the FLS channels by using FSM Clix P and a screw.

APPLICATIONS

- Connecting element for the arrangement of simple channel constructions with the sliding channel nut FSM Clix P.

Item	Art.-No.	Hole diameter	Sales unit
		D [mm]	[pcs]
MW 90°	538668	8.5	50

The pre-assembled saddle flange SF Clix 31



Channel installation at the wall

ADVANTAGES

- Pre-assembled SF Clix reduces valuable working time.
- The pre-assembled connector of the SF Clix secures the installation position and guarantees a fast installation.
- Spring leg at pre-assembled connector guarantees the necessary contact pressure to the FLS channel.
- Connector SF Clix allows an simple installation by inserting the channel.
- Stable saddle flange for a load-bearing construction and secure hold.

APPLICATIONS

- Element for stable connections between channels and building structures.

		Thread	Width across nut	Sales unit
Item	Art.-No.	A	○ SW [mm]	[pcs]
SF Clix 31	538665	M 8	13	10

Cover Cap AK



Cover cap for channel FLS

ADVANTAGES

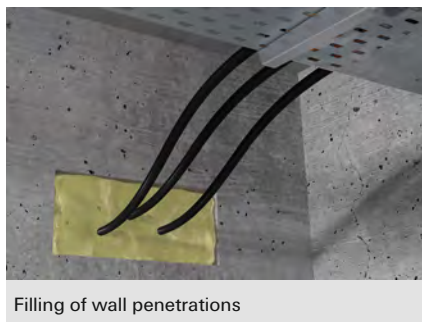
- The cover cap protects against injuries and finishes the profile off optically.

APPLICATIONS

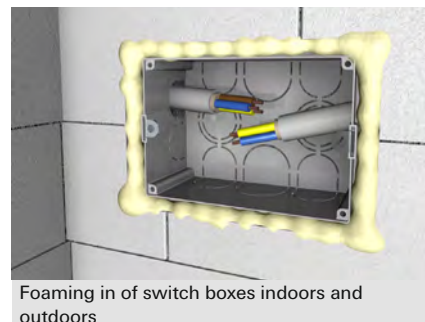
- The fischer cover cap AK forms the closure at the ends of the channel FLS and the cantilever arm ALK.

		For profile	Material	Sales unit
Item	Art.-No.			[pcs]
AK 17	538746	17/1.0	polypropylene	100
AK 30	538747	30/1.0	polypropylene	100
AK 37	538748	37/1.2	polypropylene	100

High-quality PU foams for professional thermal and sound insulation



Filling of wall penetrations



Foaming in of switch boxes indoors and outdoors

ADVANTAGES

- Easy application with foam gun or reclosable fix-adapter.
- Gun foams with high adhesive tensile strength, low foam expansion and tested sound insulation.
- Adapter foams with test for sound insulation and watertightness.
- Building material class B1 or B3.

APPLICATIONS

- Filling of wall penetrations
- Foaming in of switch boxes indoors and outdoors
- Foaming in of subdistributor boards and fuse boxes

BUILDING MATERIALS



Item	Art.-No.	Content per can [ml]	Max. foam yield (free foaming) [l]	Colour	Sales unit [pcs]
PUP S 750 (EN)	058501 ¹⁾	750	45	beige	12
PUR 500 (DE/EN)	050427	500			12
PU 500 B3 (EN/FR/AR)	058500	500	28	beige	12
PUP B1 750 (DE/EN)	045300	750	45	Concrete grey	12

¹⁾ Without protective gloves, for commercial users only.

ACCESSORIES



Foam gun PUPM 3
Art.-No. 33208



PUR 500 PU-cleaner
Art.-No. 53085

High-quality joint sealants for indoor and outdoor use



Movement and connection joints inside



Sealing of lights

ADVANTAGES

- Permanently elastic DBSA Construction Silicone Premium for highly stressed outdoor applications and low-odour for processing in closed rooms.
- DNS Natural Stone Silicone Premium prevents edge zone contamination and offers a permanently clean joint appearance for natural stone and marble.
- DSA Structural Acrylic Premium fits perfectly on rough surfaces. DSA can be painted over and plastered over.

APPLICATIONS

- Sealing of outward conducting power lines and flexible pipes
- Movement and connection joints inside
- Sealing of lights

BUILDING MATERIALS



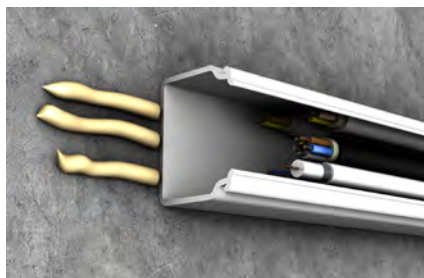
Item	Art.-No.	Colour	Contents [ml]	Sales unit [pcs]
DBSA TP (DE/EN)	053090	transparent	310	12
DBSA W (DE/EN)	053091	white RAL 9003	310	12
DBSA GR (DE/EN)	053092	concrete grey RAL 7042	310	12
DBSA BR (DE/EN)	053093	brown RAL 8014	310	12
DBSA SW (DE/EN)	053094	black RAL 9005	310	12
DBSA BG (DE/EN)	053095	beige RAL 1015	310	12
DBSA SLG (DE/EN)	512213	slate grey RAL 7015	310	12
DBSA ANG (DE/EN)	540084	anthracite grey RAL 7016	310	12
DBSA CW (DE/EN)	540085	cream white RAL 9001	310	12
DBSA WAL (DE/EN)	540086	white aluminium RAL 9006	310	12
DBSA GAL (DE/EN)	540087	grey aluminium RAL 9007	310	12
DNS TP (DE/EN)	053121	transparent	310	12
DSA W (DE/EN)	512185	white	310	12

ACCESSORIES



Applicator gun KP M3
Art.-No. 541441

High-quality building adhesives for rigid and flexible connections indoors and outdoors



Electrical components



Control engineering components

ADVANTAGES

- The universal hybrid sealant/adhesive DKM for indoor and outdoor use. For all common substrates.
- Power Adhesive HTM with very high initial adhesion for all common building substrates and natural stone - suitable for indoors and outdoors.
- Assembly adhesive MK for rigid bonding with very high initial adhesion - suitable for interior use.
- Extremely fast curing power adhesive Express KK for high final strength and temperature and water resistance - for interior and exterior use.

APPLICATIONS

- Monitoring electronics
- Electrical components
- Control engineering components

BUILDING MATERIALS



Item	Art.-No.	Colour	Contents [ml]	Sales unit [pcs]
DKM-290 ML white (DE/EN)	517598	white	290	12
DKM-290 ML grey (DE/EN)	517599	grey	290	12
DKM-290 ML black (DE/EN)	517600	black	290	12
DKM-290 ML beige (DE/EN)	533831	beige	290	12
DKM-290 ML transparent (DE/EN)	533830	crystal clear	290	12
HTM-290 ML white (DE/EN)	541712	white	290	12
MK-310 ML white (DE/EN)	053128	white	310	12
KK-310 ML beige (DE/EN)	059014	beige	310	12

ACCESSORIES



Applicator gun KP M3

Art.-No. 541441

Fast-drying surface and corrosion protection with outstanding long-term effect for metals



Re-galvanising and repair of zinc layers



Coating of welding and drilling spots

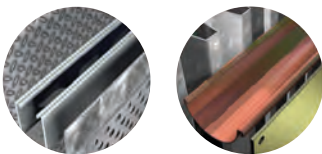
ADVANTAGES

- The high zinc content of the zinc Sparys FTC-ZS ensures reliable protection of all metal surfaces that are permanently exposed to the elements.
- Zinc spray FTC -ZS is ideal as a high - quality primer thanks to the adherent corrosion protection layer and the recotability
- The zinc-alu spray FTC-ZA is ideal for repairing damaged zinc coatings using colour-matching corrosion protection

APPLICATIONS

- Re-galvanising and repair of zinc layers
- Coating of welding and drilling spots

BUILDING MATERIALS

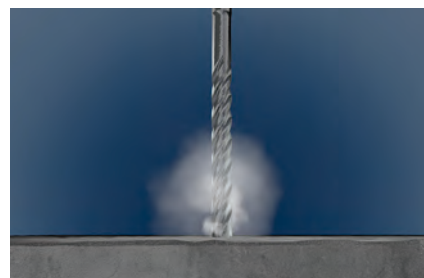


Item	Art.-No.	Contents [ml]	Sales unit [pcs]
FTC-ZS (EN/FR/ES/PT)	509242	400	12
FTC-ZA (EN/FR/ES/PT)	509241	400	12

The expert for the best performance in reinforced concrete



Hammer drill bits for reinforced concrete, concrete, masonry and natural stone



ADVANTAGES

- High-performance SDS drill for the creation of approval compliant drill holes in unreinforced and reinforced concrete and masonry.
- Power shoulders for increased breakup performance in concrete.
- Carbide tip for long service life.
- Centring tip for simple positioning.
- Reinforcement chamfers prevent jamming in the reinforcement.

APPLICATIONS

- Drilling of approval-compliant drill holes in reinforced concrete, concrete, solid brick, sand-lime brick and natural stone

FEATURE



BUILDING MATERIALS



Item	Art.-No.	Drill hole diameter d_0 [mm]	Working length [mm]	Total length [mm]	Sales unit [pcs]
Quattric II 5/50/115	549973	5	50	115	1
Quattric II 5/100/165	549974	5	100	165	1
Quattric II 6/50/115	549983	6	50	115	1
Quattric II 6/100/165	549979	6	100	165	1
Quattric II 8/50/115	549993	8	50	115	1
Quattric II 8/100/165	549988	8	100	165	1
Quattric II 10/50/115	549928	10	50	115	1
Quattric II 10/100/165	549922	10	100	165	1
Quattric II 10/150/215	549925	10	150	215	1
Quattric II 10/200/265	549929	10	200	265	1
Quattric II 10/250/315	549927	10	250	315	1
Quattric II 12/110/160	549932	12	110	160	1
Quattric II 12/160/210	549936	12	160	210	1
Quattric II 12/210/260	549934	12	210	260	1
Quattric II 12/260/310	549939	12	260	310	1
Quattric II 12/400/450	549935	12	400	450	1
Quattric II 14/110/160	549941	14	110	160	1
Quattric II 14/160/210	549944	14	160	210	1
Quattric II 15/110/160	549946	15	110	160	1

Universal masonry drill bit for impact and rotary drilling in masonry and natural stone



Stone drill bits for masonry, aerated concrete, stone, gypsum plasterboard

ADVANTAGES

- 130° carbide cutting edge ensures long service life.
- Suitable for rotary and impact drilling.
- Special spiral geometry for optimum drill dust removal.

APPLICATIONS

- Drilling holes especially in masonry, stone and plasterboard

FEATURE

**DIN
8039**

BUILDING MATERIALS



Item	Art.-No.	Drill hole diameter d_0 [mm]	Working length [mm]	Total length l [mm]	Type of packaging	Contents [pcs]	Sales unit [pcs]
D-S HM 3,0 x 30/60	542976	3	30	60	Bag	1	1
D-S HM 4,0 x 38/75	542977	4	38	75	Bag	1	1
D-S HM 5,0 x 44/85	542978	5	44	85	Bag	1	1
D-S HM 6,0 x 54/100	542979	6	54	100	Bag	1	1
D-S HM 8,0 x 67/120	542981	8	67	120	Bag	1	1
D-S HM 10,0 x 67/120	542982	10	67	120	Bag	1	1
D-S HM 12,0 x 85/150	542983	12	85	150	Bag	1	1
D-S Set 4-10mm 5pcs P	543025	4-5-6-8-10	—	—	Plastic cassette	5	1
D-S Set 3-10mm 8pcs P	543027	3-10	—	—	Plastic cassette	8	1

Universal drill bit with extremely sharp carbide tip



Universal drill bits for tiles, glass, metal, plastic, wood

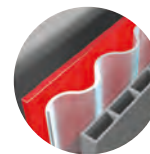
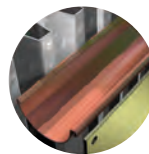
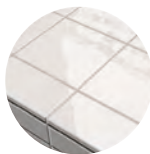
ADVANTAGES

- Universal drill bit with extremely sharp and heat-resistant drill tip.
- Ideal for drilling in material combinations as well as in tiles and glass.
- Particularly suitable for battery-operated machines.
- Attention: no impact drilling, water cooling with ceramics and glass.

APPLICATIONS

- Drilling holes especially in tiles, glass and composite materials

BUILDING MATERIALS

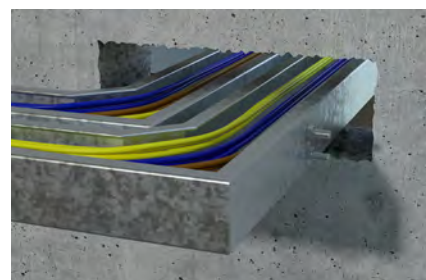


Item	Art.-No.	Drill hole diameter d_0 [mm]	Working length [mm]	Total length l [mm]	Type of packaging	Contents [pcs]	Sales unit [pcs]
Universal drill D-U 5,0 x 50/85	530623	5,0	50	85	special packaging	1	1
Universal drill D-U 6,0 x 65/100	530624	6,0	65	100	special packaging	1	1
Universal drill D-U 8,0 x 75/125	530626	8,0	75	125	special packaging	1	1

High-performance chisels with SDS plus drill chuck



Profiling of cable channels



Wall breakthroughs

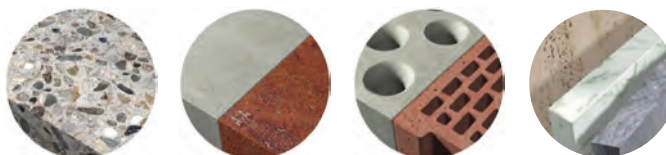
ADVANTAGES

- Long service life due to specially hardened steel.
- Exceptional work comfort due to high oscillation endurance.
- Safe power transmission due to SDS Max drill chuck.

APPLICATIONS

- Creation of slots, holes, breakthroughs and installation paths

BUILDING MATERIALS

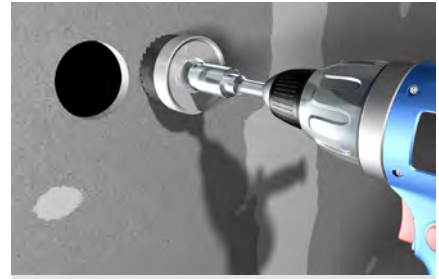


Item	Art.-No.	Type	Length l [mm]	Width B [mm]	Contents [pcs]	Sales unit [pcs]
SDS Plus Pointed 250	504277	Sharp chisel	250	12	1	1
SDS Plus Flat 20/250	504278	Flat chisel	250	20	1	1
SDS Max Flat 25/280	504284	Flat chisel	280	25	1	1
SDS Max Flat 25/400	504286	Flat chisel	400	25	1	1
SDS Max Scaling 80/300	504290	Spade chisel	300	80	1	1
SDS Max Hollow 26/300	504293	Gouge chisel	300	26	1	1
SDS Max Canal 32/300	504294	Channel chisel	300	32	1	1
SDS Max with Glides 35/380	504296	Wing bit	380	35	1	1

Multi-hole saw with carbide cutting edges for wood and panel building materials



Socket cut outs in masonry



Socket cut outs in drywall constructions

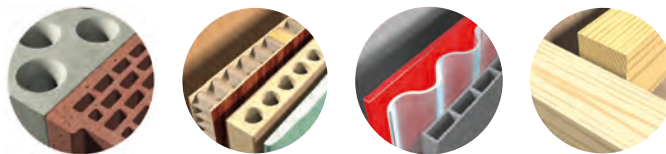
ADVANTAGES

- High-quality HS-Multi hole saws with various diameters for creating precise socket cut outs.
- Carbide cutting edges for quick drilling progress and long service life .
- UNF thread for quick hole saw exchange.
- Comfortable quick-change adapters HS-Multi A1 S and A2 S with hexagonal shank and center drill bit for use with HS-Multi hole saws.

APPLICATIONS

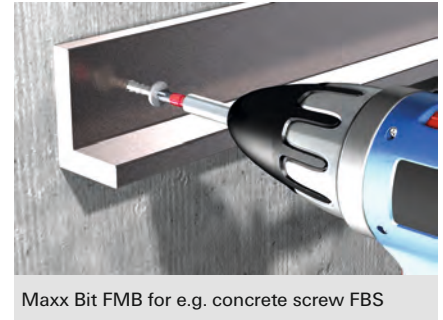
- Creation of socket cut outs in masonry and panel building materials

BUILDING MATERIALS



Item	Diameter	Blister card			Clip / Tube / Box		
	[mm]	Art.-No.	Contents	Packaging	Art.-No.	Contents	Packaging
HS-Multi 20,0	20,0	551351	1	Blister card	—	—	—
HS-Multi 25,0	25,0	551353	1	Blister card	—	—	—
HS-Multi 30,0	30,0	551354	1	Blister card	—	—	—
HS-Multi 35,0	35,0	551358	1	Blister card	—	—	—
HS-Multi 40,0	40,0	551360	1	Blister card	—	—	—
HS-Multi 51,0	51,0	551361	1	Blister card	—	—	—
HS-Multi 60,0	60,0	551362	1	Blister card	—	—	—
HS-Multi 68,0	68,0	551363	1	Blister card	—	—	—
HS-Multi 83,0	83,0	551364	1	Blister card	—	—	—
HS-Multi 89,0	89,0	551365	1	Blister card	—	—	—
HS-Multi 102,0	102,0	551366	1	Blister card	—	—	—
Complete Adapter HS-Multi A1 S	up to 30	—	—	—	551367	1	Tube
Complete Adapter HS-Multi A2 S	32 - 102	—	—	—	551368	1	Tube

High-quality bits and practical bit sets for a variety of applications



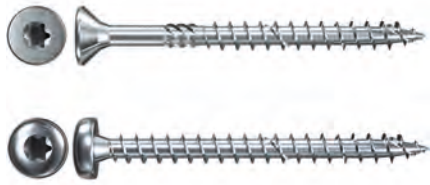
ADVANTAGES

- Torsion Bits FMB Maxx, the ultimate solution for high torques and use in high-performance power- and impact tools.
- Bit Sets FPB and FMB for a safe and clear storage of the bits.
- Robust and durable boxes for hardest requirements.
- FMB Bit Set Maxx W 8, ideal for high-performance drilling and impact wrenches.

Item	Art.-No.	Drive	Length [mm]	Contents	Sales unit [pcs]
FMB T40 Maxx Bit W 5	533159	TX40	29	5 Bit	10

Item	Art.-No.	Contents	Sales unit [pcs]
FPB Bit Set Profi W 31	533152	2x PZ1, 4x PZ2, 2x PZ 3, 2x PH1, 4x PH2, 2x PH 3, 1x TX8, 2x TX10, 1x TX15, 2x TX20, 2x TX25, 1x TX27, 1x TX30, 1x TX40, each 1x Slot 4,5; 5,5; 6,0, 1x Universal bit holder	1
FPB Bit Set Profi W 11	533153	each 1x PZ1, PZ3, 2x PZ2, each 1x TX10, TX15, TX20, TX25, TX30, TX40, 1x Universal bit holder	1
FMB Bit Set Maxx W 8	533160	each 1x TX10, TX15, TX20, TX25, TX30, TX40, 1x Universal bit holder	1

The high-quality chipboard screws with approval and numerous features for fast, low-force work



Distribution boxes, cable and pipe fittings



Switches and electrical sockets

ADVANTAGES

- Premium quality.
- Faster bite due to unique Power-Fast thread up to the screw tip.
- Saves power and battery capacity through reduced drive-in resistance.
- High safety due to ETA approval.

APPLICATIONS

- Cable brackets and multi cable supports
- Distribution boxes, cable and pipe fittings
- Switches and electrical sockets

CERTIFICATES



BUILDING MATERIALS



Item	Diameter d [mm]	Length l [mm]	Partial thread length l _g [mm]	Head-Ø d _K [mm]	Drive 	Art. No.	Sales unit [pcs]
FPF-ST ZPP	3,0	35	24	6,0	TX10	652313	200
FPF-ST ZPP	3,0	40	24	6,0	TX10	652315	200
FPF-ST ZPP	3,0	45	30	6,0	TX10	652318	200
FPF-ST ZPP	3,5	30	18	7,0	TX10	652333	200
FPF-ST ZPP	3,5	35	24	7,0	TX10	652339	200
FPF-ST ZPP	3,5	40	24	7,0	TX10	652345	200
FPF-ST ZPP	3,5	45	30	7,0	TX10	652351	200
FPF-ST ZPP	3,5	50	30	7,0	TX10	652355	500
FPF-ST ZPP	4,0	35	24	8,0	TX20	652374	200
FPF-ST ZPP	4,0	40	24	8,0	TX20	652380	200
FPF-ST ZPP	4,0	45	30	8,0	TX20	652385	200
FPF-ST ZPP	4,0	50	30	8,0	TX20	652389	200
FPF-ST ZPP	4,0	60	36	8,0	TX20	652391	100
FPF-ST ZPP	4,5	35	24	9,0	TX20	652405	200
FPF-ST ZPP	4,5	40	24	9,0	TX20	652409	200
FPF-ST ZPP	4,5	45	30	9,0	TX20	652413	200
FPF-ST ZPP	4,5	50	30	9,0	TX20	652417	200
FPF-ST ZPP	4,5	60	36	9,0	TX20	652421	100
FPF-ST ZPP	5,0	40	24	10,0	TX20	652437	200



Item	Diameter d [mm]	Length l [mm]	Partial thread length l _g [mm]	Head-Ø d _K [mm]	Drive 	Art. No.	Sales unit [pcs]
FPF-ST ZPP	4,5	45	30	10,0	TX20	652441	200
FPF-ST ZPP	5,0	50	30	10,0	TX20	652445	200
FPF-ST ZPP	5,0	60	36	10,0	TX20	652449	100
FPF-ST ZPP	5,0	70	42	10,0	TX20	652453	100
FPF-ST ZPP	5,0	80	50	10,0	TX20	652455	100
FPF-ST ZPP	6,0	50	30	12,0	TX30	652473	100
FPF-ST ZPP	6,0	60	36	12,0	TX30	652477	100
FPF-ST ZPP	6,0	80	50	12,0	TX30	652483	100



Item	Diameter d [mm]	Length l [mm]	Full thread length l _g [mm]	Head-Ø d _K [mm]	Drive 	Art. No.	Sales unit [pcs]
FPF-PT ZPF	3,0	16	14	6,0	TX10	652705	200
FPF-PT ZPF	3,0	20	18	6,0	TX10	652709	200
FPF-PT ZPF	3,0	25	23	6,0	TX10	652713	200
FPF-PT ZPF	3,5	30	28	6,0	TX10	652717	200
FPF-PT ZPF	3,5	16	14	7,0	TX10	652729	200
FPF-PT ZPF	3,5	20	18	7,0	TX10	652733	200
FPF-PT ZPF	3,5	25	23	7,0	TX10	652737	200
FPF-PT ZPF	3,5	30	28	7,0	TX10	652741	200
FPF-PT ZPF	3,5	35	33	7,0	TX10	652745	200
FPF-PT ZPF	4,0	20	17	8,0	TX20	652756	200
FPF-PT ZPF	4,0	25	22	8,0	TX20	652760	200
FPF-PT ZPF	4,0	30	27	8,0	TX20	652764	200
FPF-PT ZPF	4,0	35	32	8,0	TX20	652768	200
FPF-PT ZPF	4,0	40	37	8,0	TX20	652772	200
FPF-PT ZPF	4,0	50	47	8,0	TX20	652775	200
FPF-PT ZPF	4,5	30	27	9,0	TX20	652787	200
FPF-PT ZPF	4,5	35	32	9,0	TX20	652790	200
FPF-PT ZPF	4,5	40	37	9,0	TX20	652793	200
FPF-PT ZPF	4,5	50	47	9,0	TX20	652797	300
FPF-PT ZPF	5,0	30	26	10,0	TX20	652808	200
FPF-PT ZPF	5,0	40	36	10,0	TX20	652811	100
FPF-PT ZPF	5,0	50	46	10,0	TX20	652814	100
FPF-PT ZPF	5,0	60	56	10,0	TX20	652817	100

ACCESSORIES



Bit Sets
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