

**Electrical installation in on-site
mixed concrete and as part of
the 3D concrete printing process.
Boxes, housings and systems.**





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Innovative brand products of KAISER stand out thanks to the premium, product-orientated service that comes with them. This allows both you and your customers to take advantage of all the benefits we offer.

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- CAD data for proper construction

Building Information Modelling. The future in building construction.

Building Information Modelling (**BIM**) opens up a new planning and building culture and is fast becoming the standard in building design. Based on three-dimensional computer models, the planning, execution and operation of a building can be virtually depicted and optimised over its entire life cycle.

In a collaborative planning process with all parties involved, **all geometric and technical data** are successively recorded, supplemented and cross-checked. These data describe, for example, the material,

operating life, environmental or other characteristics, such as acoustic or fire protection properties. This allows for the identification and elimination of planning errors, risks, disrupted construction processes, conflicts between work sections and unnecessarily high operating costs starting in the early planning stages. This prevents unexpected cost increases during construction and operation.



For planning, implementation and operation. Support throughout the entire building life cycle with KAISER BIM data.

KAISER provides planners, architects, engineers and specialist firms with extensive support in the planning, implementation and operation of their BIM construction projects:

The user can directly access the information section on tendering and planning on the KAISER homepage via the link <https://to.kaiser-elektro.de/planung>.

At <https://kaiser.partcommunity.com>, 3D Multi-BIM CAD data are available. Autodesk Revit users can also use the BIMcatalogs.net content plugin. In addition to downloading product data, you can also configure products to suit your specific requirements. After configuring the product, the corresponding CAD model can be generated

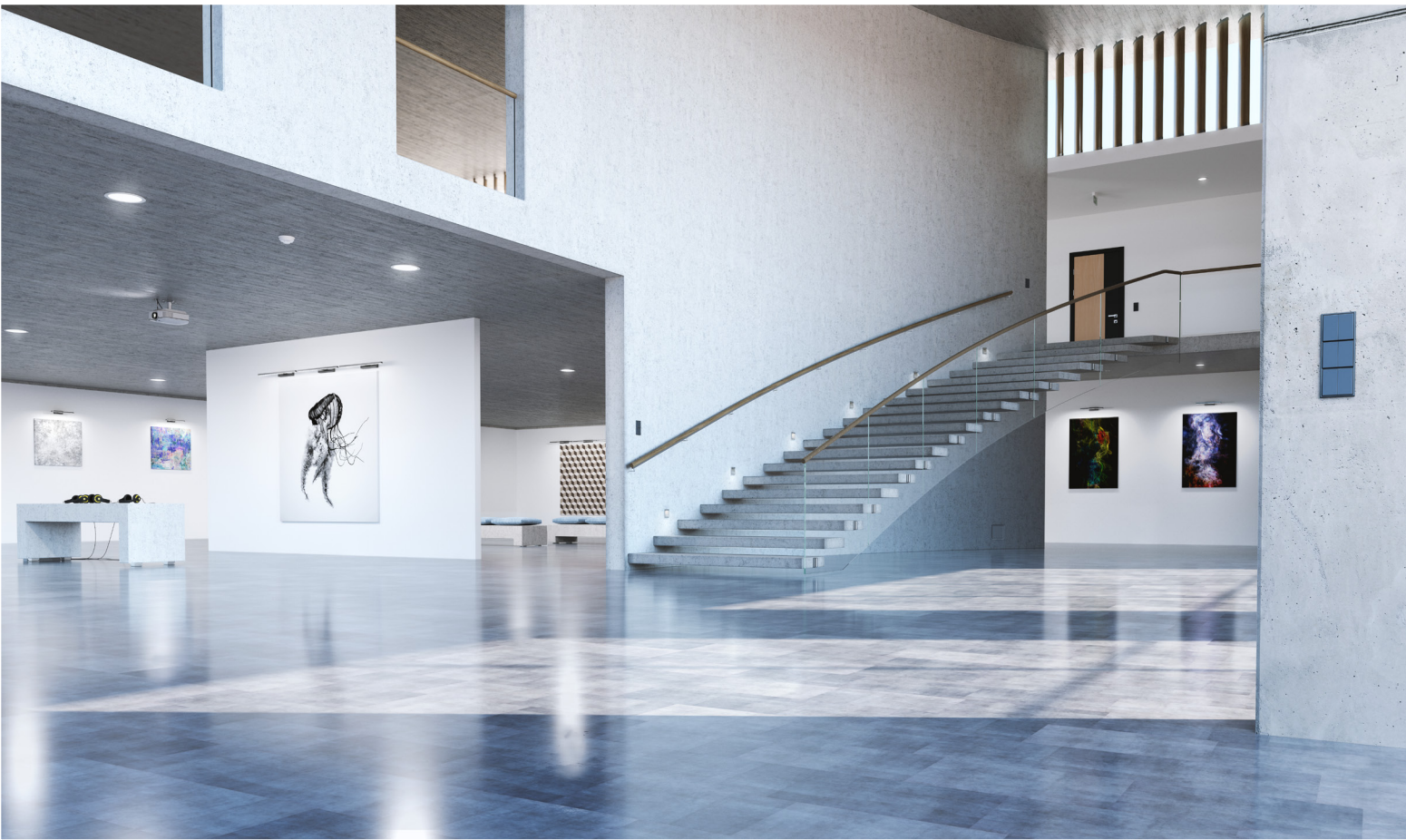
together with a PDF data sheet and incorporated into the planning and documentation. All changes in BIM are directly reflected in the orders of magnitude, quantities and costs of the construction project. This allows all project participants to be informed rapidly and also ensures precise cost, schedule, and quality control.

Tenders in all common formats for KAISER products can be found at <http://www.ausschreiben.de/katalog/Kaiser>

KAISER - THE BASIS FOR A GOOD INSTALLATION.

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planning tools. Scan QR code or visit:
to.kaiser-elektro.de/planung





Requirements	Product solutions
On-site mixed concrete Introduction The new standard in on-site mixed concrete. Wall installation. Practical housing sizes. Robust construction. Ceiling installation. One-gang junction box for fixing to the reinforcement. Empty conduit installation. For continuous empty conduit installation. For universal conduit entries.	On-site mixed concrete 4 B¹ 6 B¹ one-gang and one-gang junction boxes, electronic and two-gang junction boxes, wall exits 8 Junction casings 10 B¹ ceiling and ceiling junction boxes, ceiling exits 12 Prefix® concrete construction boxes 14 Wall and ceiling transitions, wire-pull and junction casings 18 Wire-pull and junction casings 20 Central transition casing. 22
Luminaire and loudspeaker housings Solutions for luminaires and loudspeakers. The solution for a clean ceiling appearance after plastering. Variable for various installation accessories.	HaloX® system 24 Signal cover 32 Universal installation housings for concrete ceilings and walls. 34
Facing concrete Highest requirements for appearance.	Boxes, housings and transitions for facing concrete 36
3D concrete printing Installation solution for innovative construction methods.	Installation housing for 3D concrete printing 38
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On-site mixed concrete.

On-site mixed concrete is typically used for the production of large parts and surfaces. Here, the fresh concrete, delivered or mixed on site, is filled into the formwork prepared with reinforcement and installation components and then compacted. After curing, the formwork is removed and the walls or ceiling slabs are finished.

Wooden formwork is usually used for on-site mixed concrete. These formworks may also be coated with plastics or synthetic resins. The boxes are attached to the formwork by simply nailing them on, thus ensuring a secure hold. Fastening to steel formwork is usually done with expansion dowels, magnets, adhesive foils or hot glue.

The modular KAISER system is universally applicable for all concreting methods and formwork types. The perfectly coordinated individual modules guarantee exact planning and smooth processing with future-proof installation. Robust Prefix® support and connecting elements as well as a wide range of accessories and tools round off the range in a practice-oriented manner. The different colours of the individual components make correct installations easier.

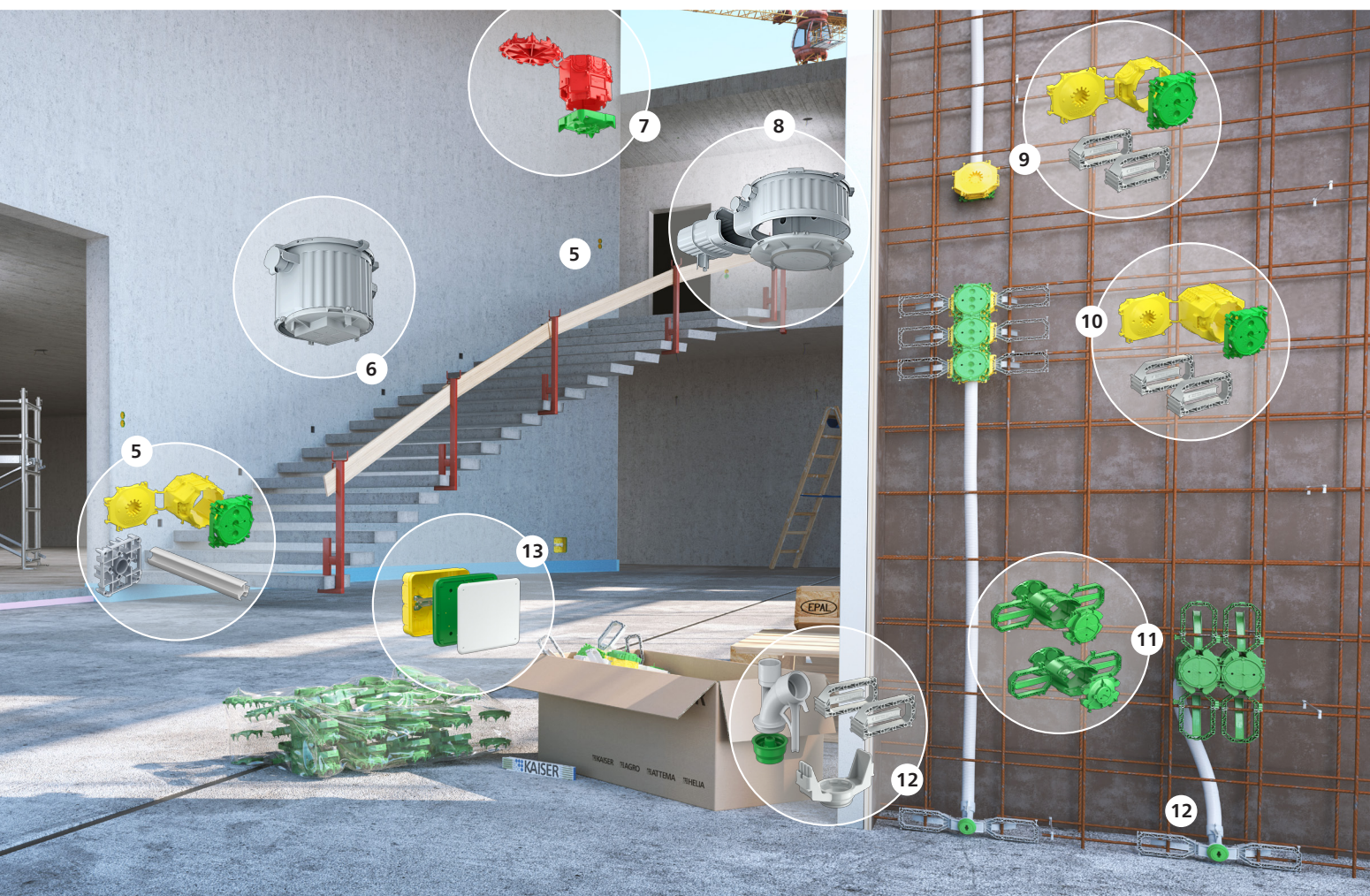
The installation of the boxes, housings and systems is carried out with empty conduits for the feed lines. Boxes, housings and casings form a closed system with these conduits. All connections of the multi-part products with each other and with pipes and cables are perfectly matched to each other. The connection openings are made with standard tools, without tools or with KAISER system tools, so that the stability and absolute tightness of the entire system is ensured and no concrete can penetrate into boxes, housings, casings or empty conduits.

- 1 HaloX® 100 multi-conduit entry
- 2 B¹ universal ceiling exit
- 3 HaloX® 250 with tunnel 325 for on-site mixed concrete, HaloX® 250 universal front part
- 4 Formwork protection
- 5 B¹ one-gang junction box
- 6 HaloX® 100 for on-site mixed concrete, HaloX® 100 front part, square
- 7 B¹ ceiling junction box
- 8 HaloX® 180 with tunnel 190 for on-site mixed concrete, HaloX® 180 facing concrete front part
- 9 B¹ one-gang junction box, B¹ Prefix® system wing set
- 10 B¹ one-gang junction box, B¹ Prefix® system wing set
- 11 Prefix® concrete construction box
- 12 Wall and ceiling elbow 30°, B¹ Prefix®-system wing set, B¹ Prefix® wall exit adapter Ø 25 mm
- 13 Potential equalisation casing 16²
- 14 Central transition casing



Find out more about the on-site mixed concrete **solution area**.
Scan the QR code or go to:
www.kaiser-elektro.org/de94

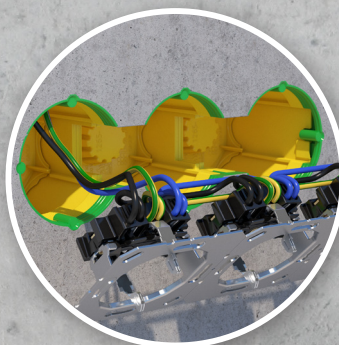




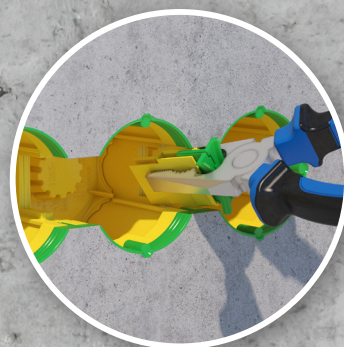
B1 The new standard in on-site mixed concrete.

INSTALLATION

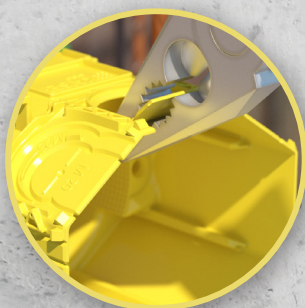
INSTALLATION



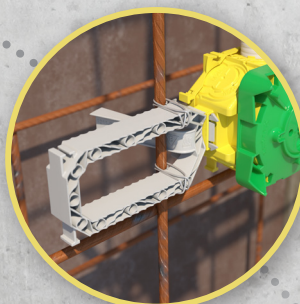
Installation of pre-wired sockets



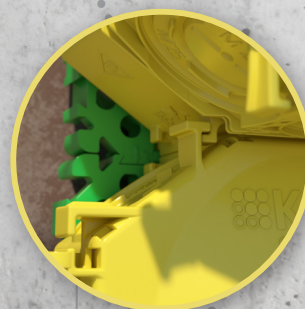
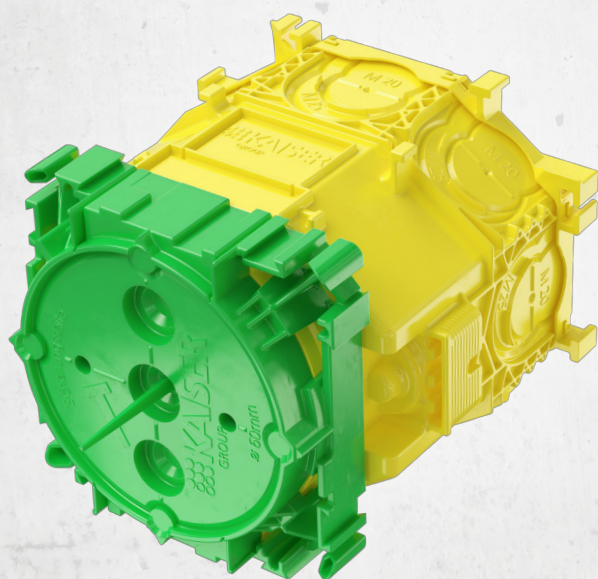
Separators are easy to break out



Innovative conduit opening



All B1 wall applications have 2 stable slots for Prefix® system wings



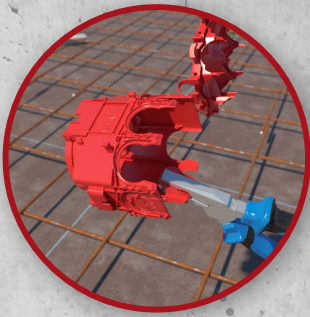
Stably combined on front part and box body

... and for the **wall**.

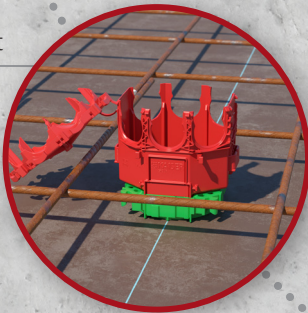
INSTALLATION

The first choice for the **ceiling** ...

Precisely break out the
conduit connection opening



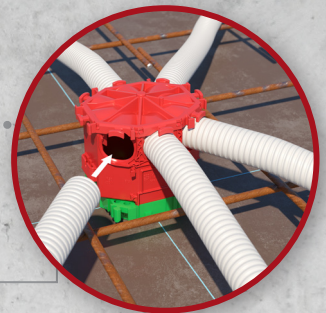
Latch the rear part
onto the front part



Simply close the
cover by hand



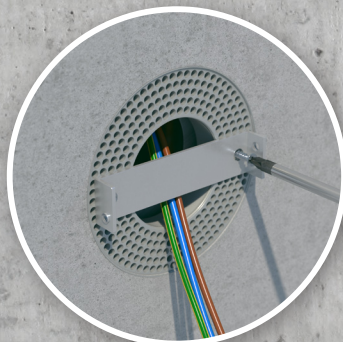
Simply insert the
conduits into the
prepared openings



Signal bristles for easy
location of the boxes after
removing the formwork



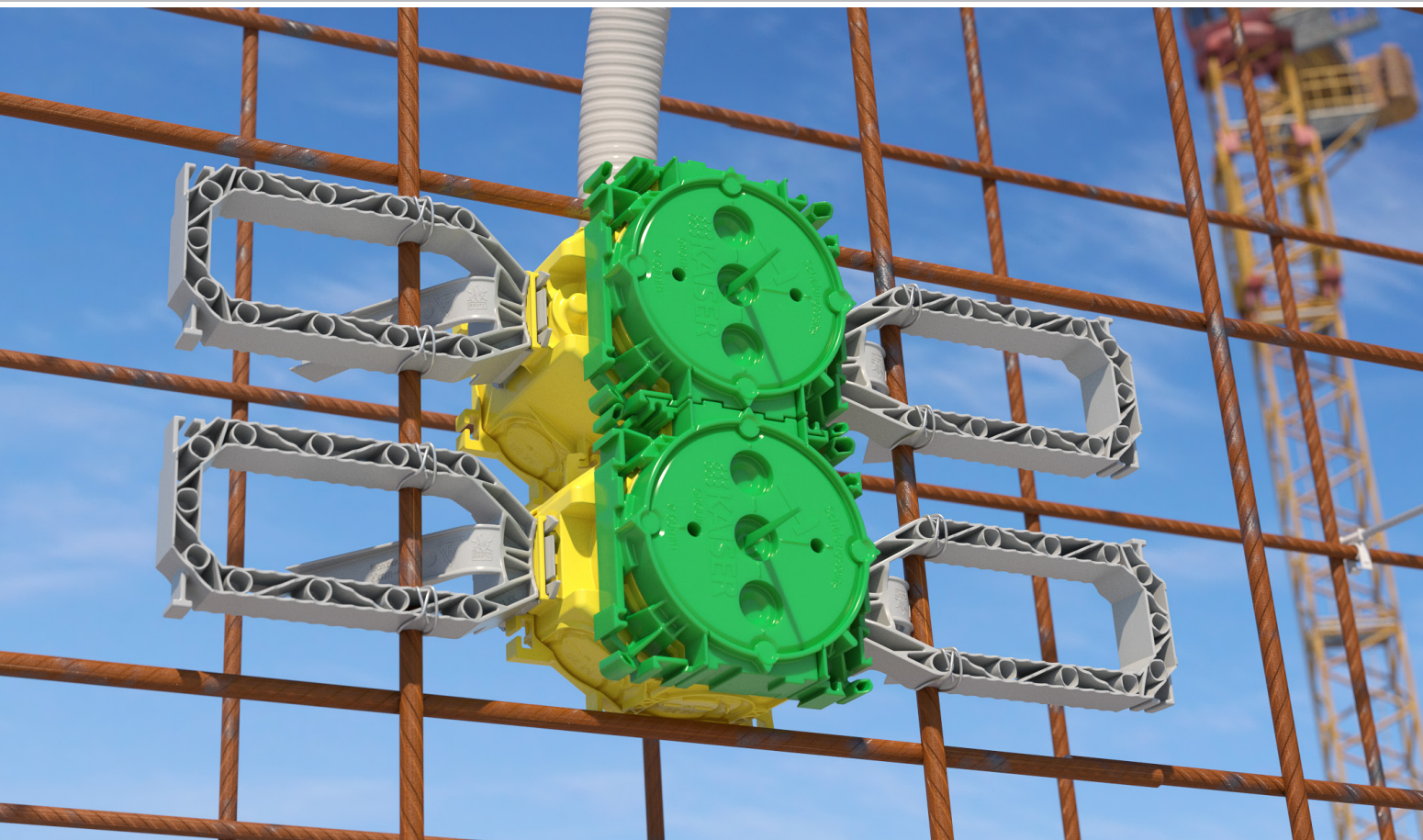
Easy and quick unit installation
without drilling



Product video
Installation

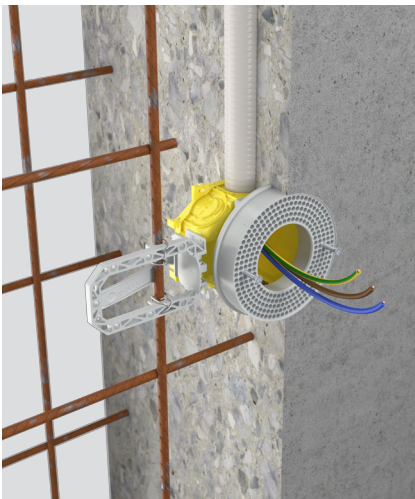


Product video
Installation/Insertion
work



On-site mixed concrete B¹ wall installation.

The new B¹ concrete construction programme is optimally tailored to the construction site and installation practice. The insertion and installation work is based on the latest technology in handling and function. The electrical installation in the wall performed after removal of the formwork is also equipped with many innovative features and functions for a modern installation. Thus, a comprehensive range of boxes is available, e.g. one-gang boxes, one-gang junction boxes and electronic boxes. This allows you to quickly and precisely prepare the installation for all types of flush-mounted inserts such as switches, sockets or LED luminaires as well as the associated wiring. With the new stable plug-in system, you can connect the front part and the box body securely, making it easy to create any combination.

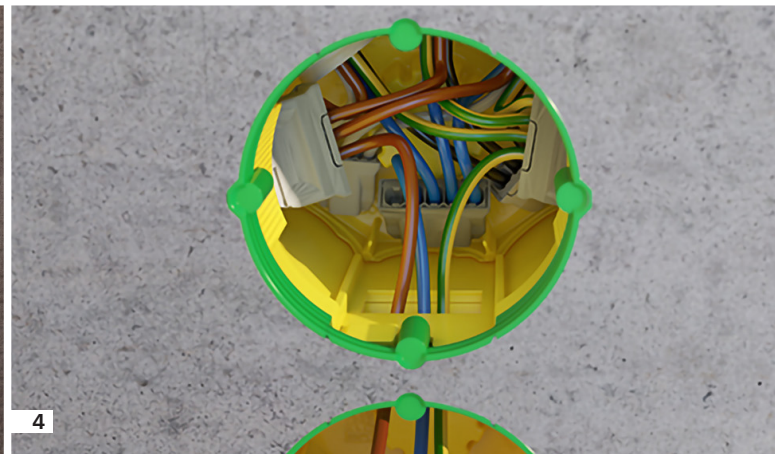
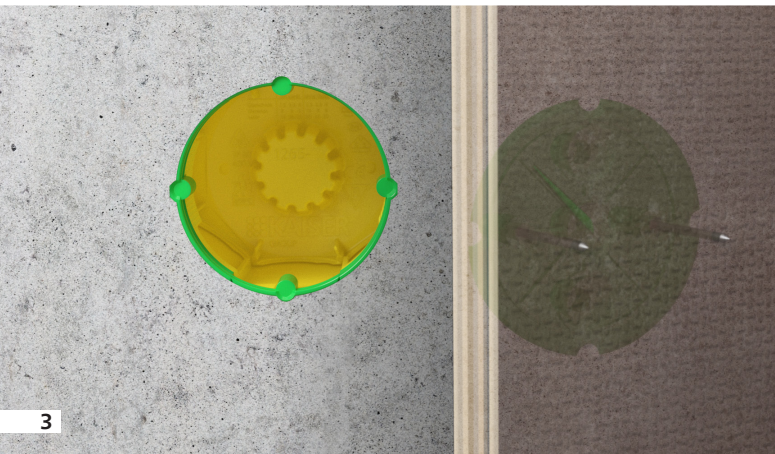
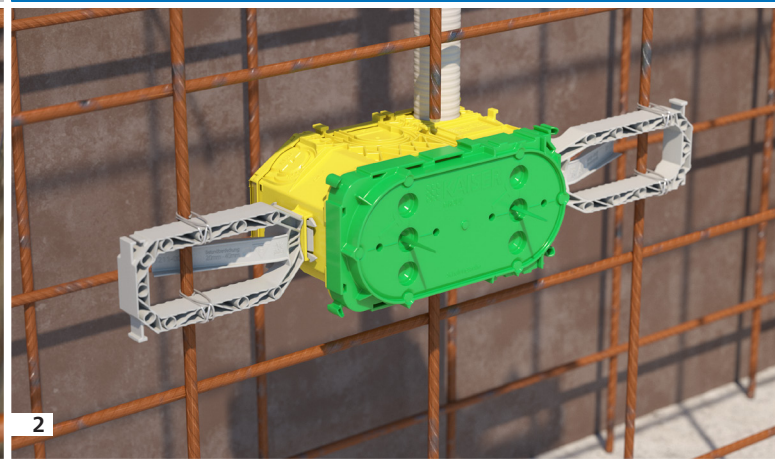


The new Prefix[®] system wings can be attached to all box bodies. Each B¹ box is equipped with two slots for Prefix[®] system wings to allow easy installation without support element.

The improved support system gives the components a secure hold in the vertical formwork. One-gang boxes that are mounted to the working formwork with dowels or nails do not require any further securing except in anticipation of extreme loads. Boxes or housings that are fastened with magnets or hot glue must be supported on the second side of the formwork. If no boxes or housings are provided on the working formwork (e.g. on an outside wall), but rather on the opposing formwork side, counter bearings can be mounted on the working formwork and the required spacing can be created with support elements or conduits.



Solution page
On-site mixed concrete



- 1 The box bottom can be closed securely by hand. Conduits can then be inserted into the innovative conduit opening in a controlled manner.
- 2 All box bodies are equipped with slots for Prefix® system wings to allow easy installation to the opposing formwork.
- 3 The plaster skin tears when the formwork is removed or can be opened with one blow of the hammer.
- 4 With a large installation space and various possibilities for cable feed-through in combinations, the boxes offer maximum convenience during accessory installation.

B' one-gang box

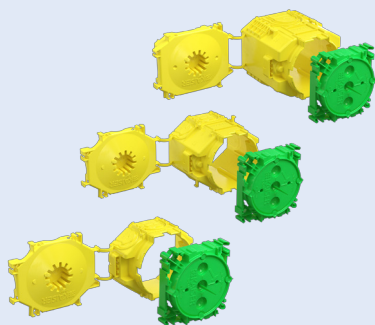
Art. no. 1255-01

B' one-gang junction box

Art. no. 1265-01

B' large-conduit one-gang junction box

Art. no. 1260-01

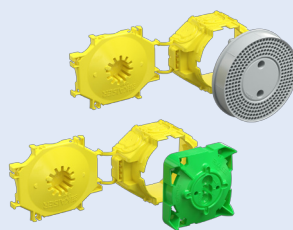


B' wall light connection box

Art. no. 1248-01

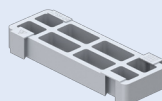
B' universal wall exit

Art. no. 1248-03



Distance piece 91

Art. no. 1259-04

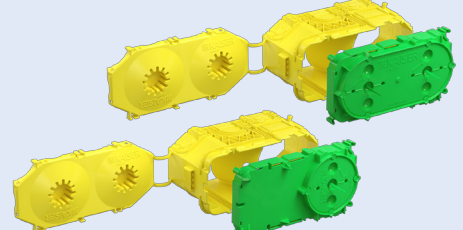


B' electronics box

Art. no. 1268-01

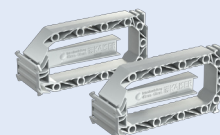
B' two-gang junction box

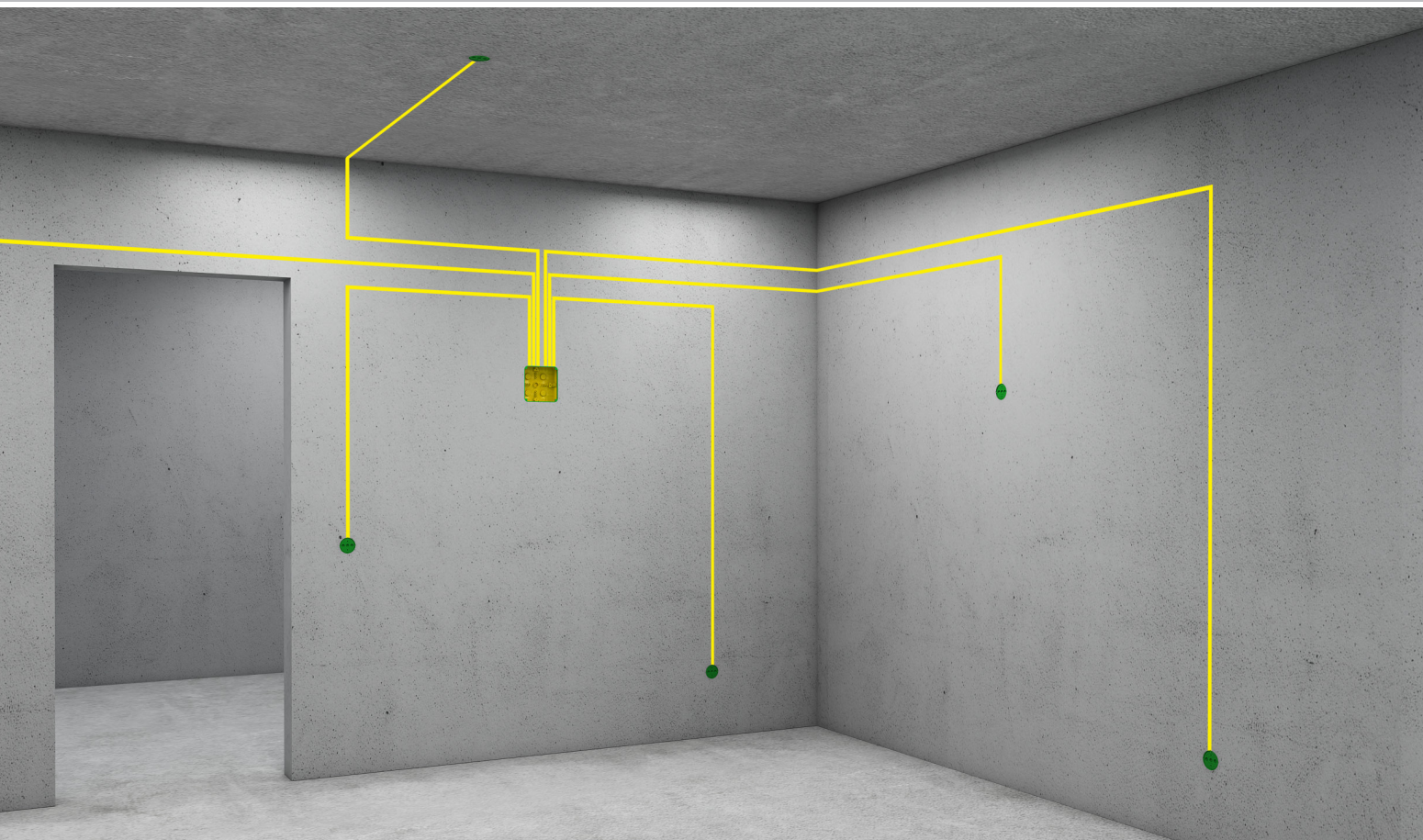
Art. no. 1269-01



B' Prefix® system wing set

Art. no. 1211-00



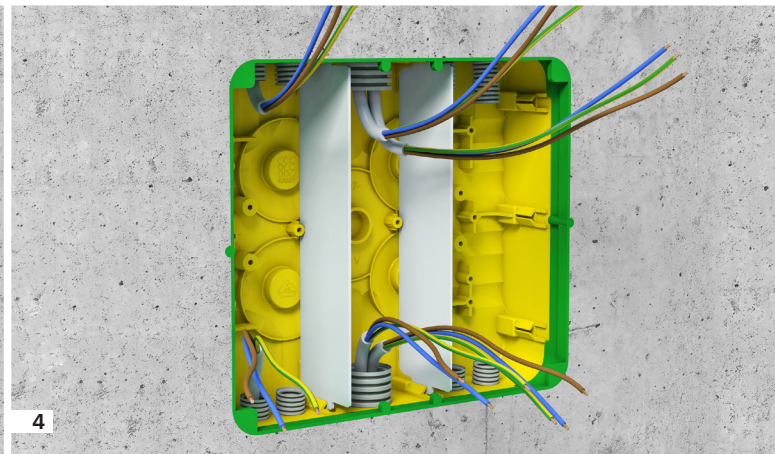
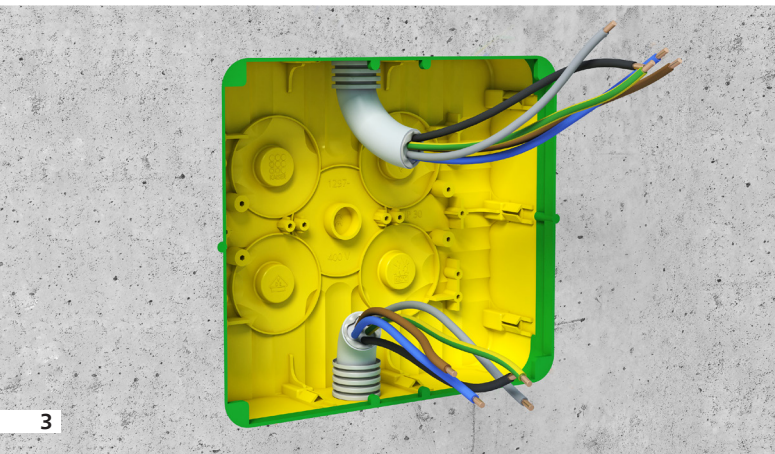
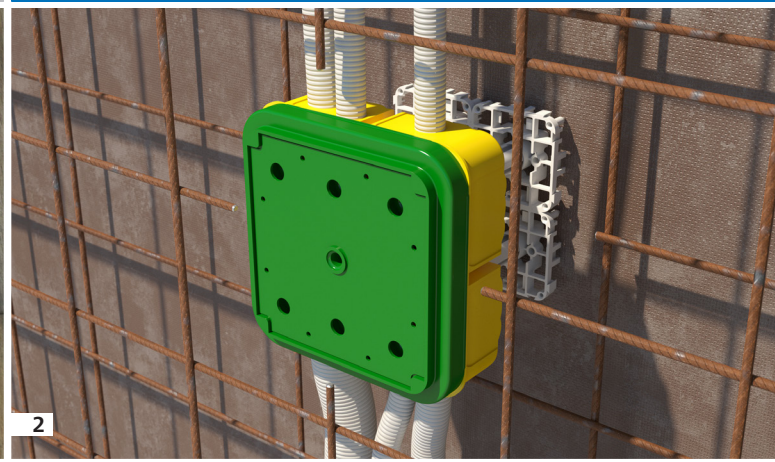


Junction casings in all sizes and for all purposes. Practical housing sizes. Robust construction.

Using junction casings for the electrical installation offers a lot of flexibility and freedom for future modifications to the electrical system. The complete wiring for this type of installation is done according to DIN 18015-3 in a central junction casing from which all supply lines are routed radially to switch and light sources. Pulling the electric cables through the empty conduit system is also easier to manage when using junction casings.

In case of changes of use of spaces at a later time, lighting groups, for example, can be reassigned to a circuit quickly and easily by changing the wiring in the junction casing. To accommodate different electrical circuits, the junction casings can be wired separately in a standardized manner by using separator walls. Depending on the junction casing size, cable cross-sections of up to 16 mm² can be inserted and wired.

Once the wiring work is complete, all junction casings can be closed by means of an end cover with a screw fastening in accordance with VDE regulations.



- 1 Junction casings have a generous surface area to accommodate installation conduits up to Ø 40 mm.
- 2 For installation on the opposing formwork side, the rear part of the junction casing has slots for support with one or more support elements with counter bearings.
- 3 KAISER junction casings offer plenty of space for professional electrical installation according to DIN 18015-3.
- 4 Separator walls ensure that electrical circuits are safely separated.

Junction casing
128 x 128 x 80 mm
 Art. no. 1295-02



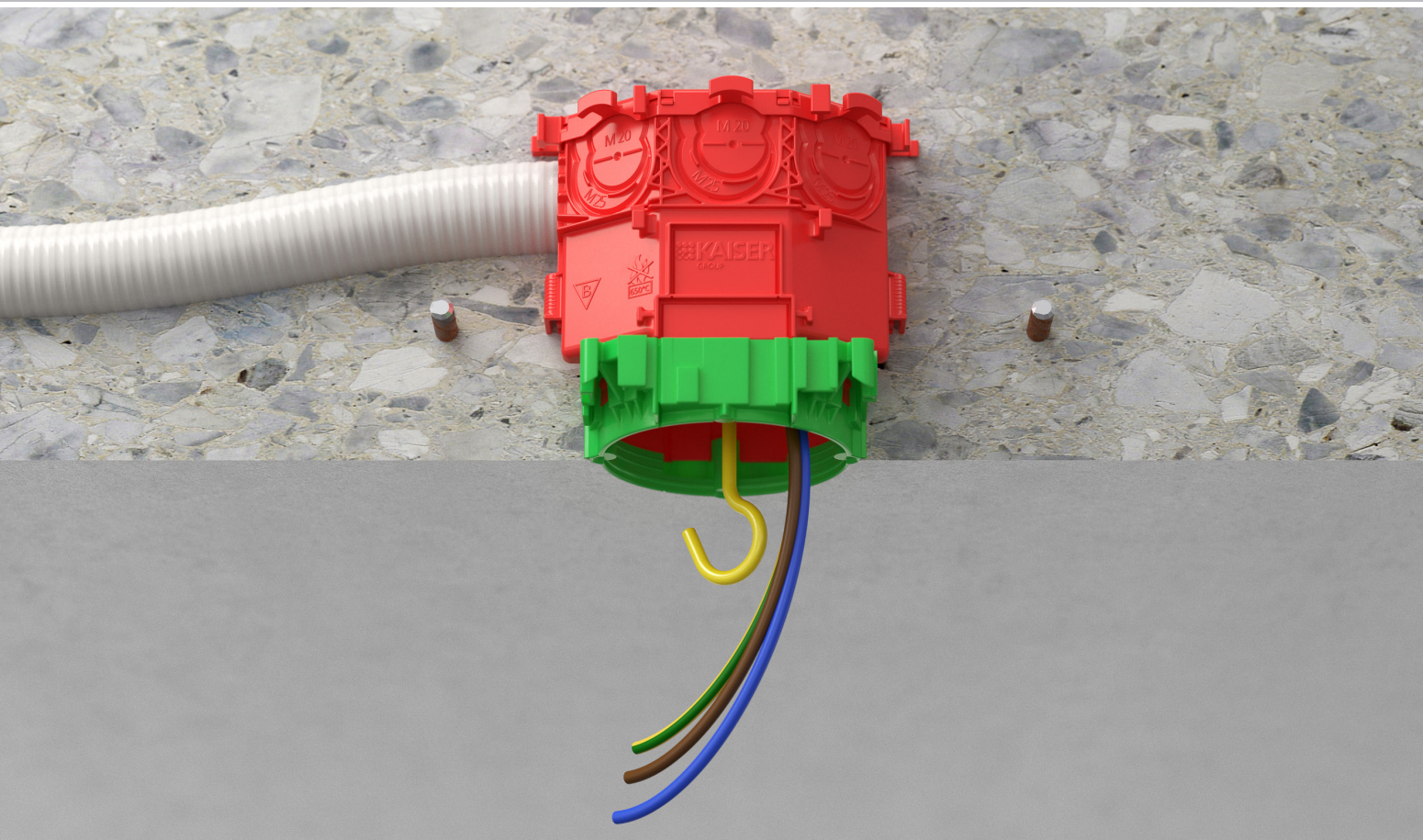
Junction casing
180 x 180 x 84 mm
 Art. no. 1296-02



Junction casing
250 x 220 x 82 mm
 Art. no. 1297-02



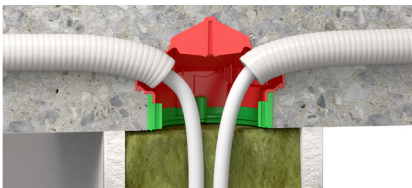
For more junction casings, see page 21.



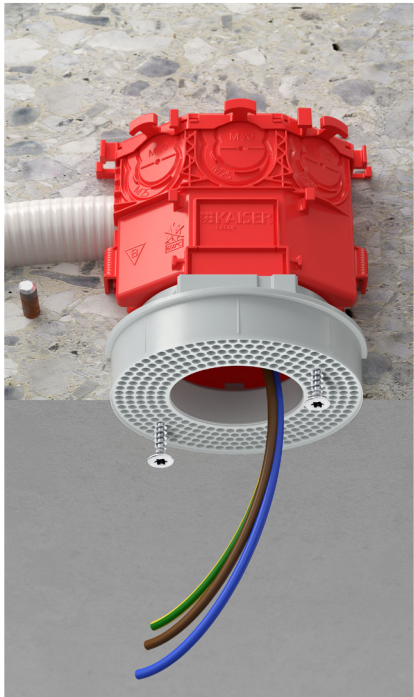
On-site mixed concrete B¹ ceiling installation.

The new ceiling boxes and proven ceiling elements guarantee stable and exact installation openings with high installation comfort. The KAISER programme offers installation boxes with flexible conduit entry options up to M40 for all ceiling applications. Screw-in, fully insulated light hooks provide a secure fit. Exits with openings of Ø 35 or Ø 60 mm always offer sufficient space for convenient installation and, if required, a universal screw-on surface for quick and easy installation.

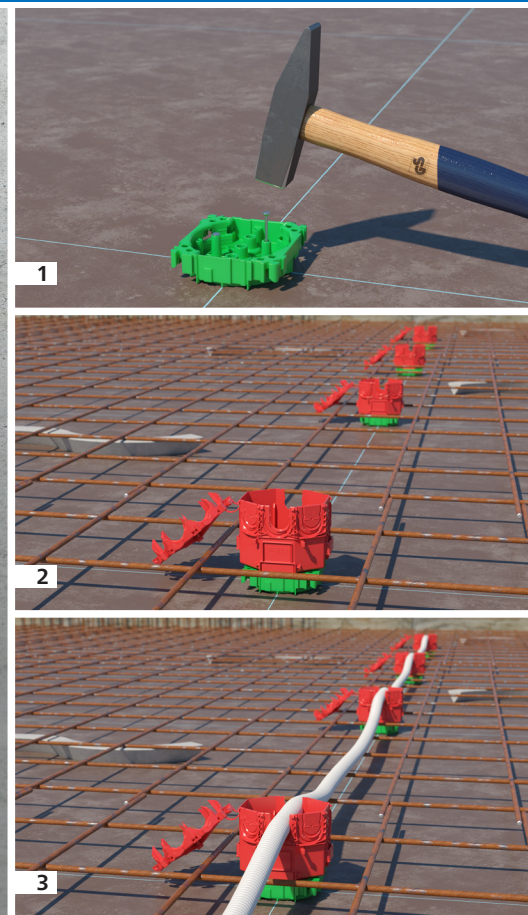
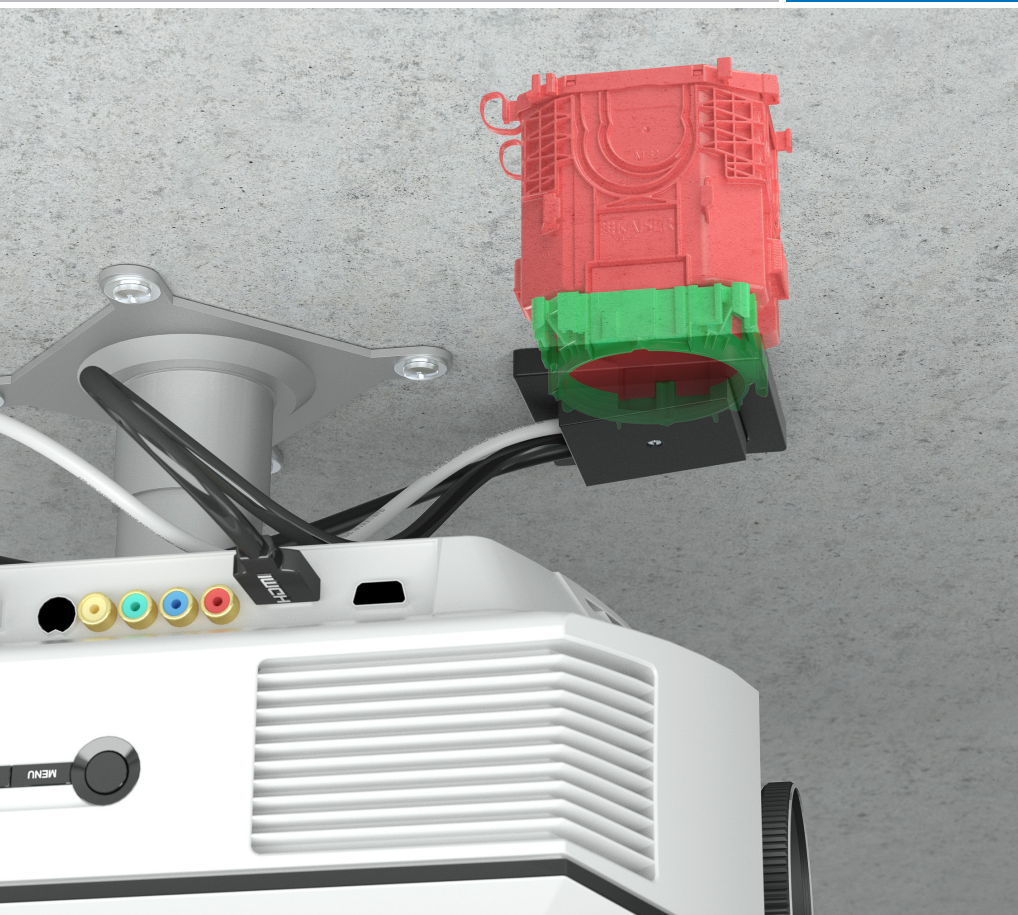
The new B¹ ceiling boxes with innovative conduit entries enable conduits to be easily inserted into several ceiling boxes arranged in a row without having to cut them during the laying work. Due to the conduit entries located higher up, additional cut-outs of the reinforcement bars are unnecessary, ensuring fast insertion of the empty conduits on the ceiling.



The small ceiling boxes, for example, are suitable as domed boxes for partition walls.



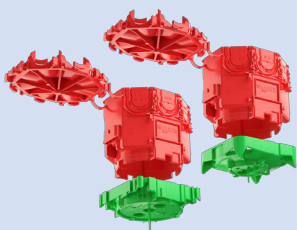
Universal screw-on surface:
The screws for the attachment of the accessory can be easily screwed into the universal screw-on surface.



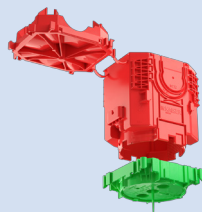
B' large conduit ceiling junction box with conduit entry options up to M40. Ideal for prefabricated electric cables.

- 1 The shallow front part allows easy fixing to the ceiling formwork before the reinforcement bars are added.
- 2 The conduit entries are above the lower reinforcement layer, so that no cutting of the reinforcement bars is necessary.
- 3 The advantage of the new conduit entry is that empty conduits can be inserted in several ceiling junction boxes without cutting the conduit beforehand.

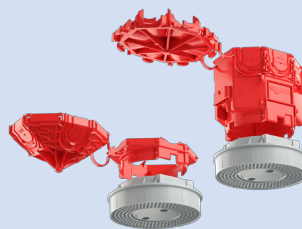
B' ceiling junction box
Art. no. 1265-11
Art. no. 1265-12



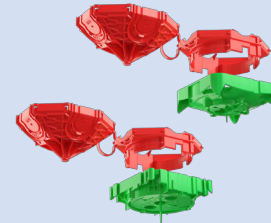
B' large conduit ceiling junction box
Art. no. 1260-11



B' universal ceiling exit
Art. no. 1249-13
Art. no. 1265-13



B' domed box 45°
Art. no. 1249-11
Art. no. 1249-12



Large slab ceiling box 115
Art. no. 1227-50



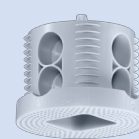
Slab ceiling box for retrofitting
Art. no. 1247-01



Universal ceiling and wall exit
Art. no. 9959



Ceiling exit
Art. no. 9955



Light hook
Art. no. 1225-.../1226-...



Prefix® concrete construction boxes.

INSTALLATION

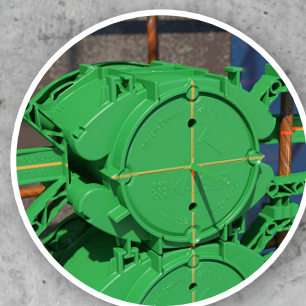
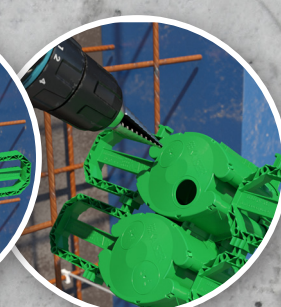
NEW



Fixing by means of tie wires or cable ties



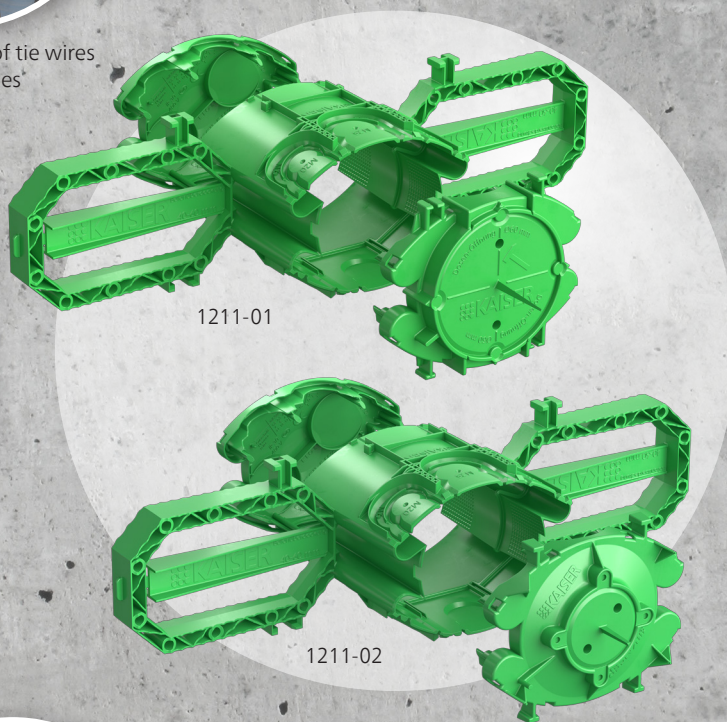
Easy opening of the required conduit and cable openings



Centre marking for easy alignment using laser spirit level.



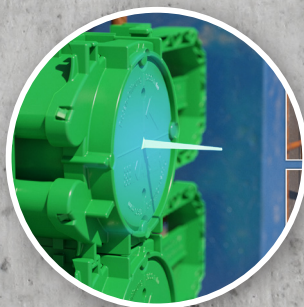
Simple pre-fixing with Prefix® installation technology



Stable and secure connections on front part and PREFIX® wing



Entry limits at the outer conduit entries
No subsequent shortening of the conduits required

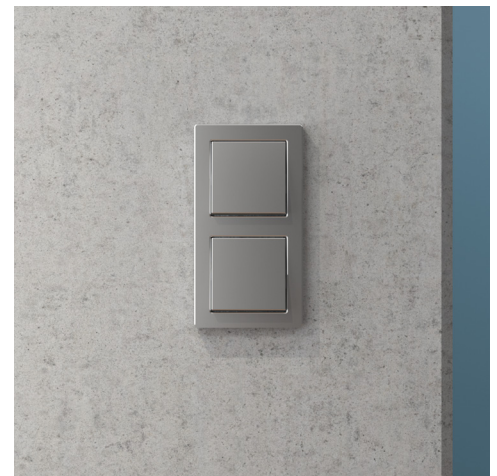
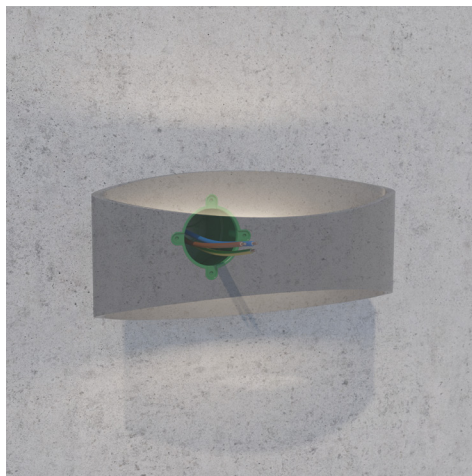
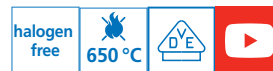


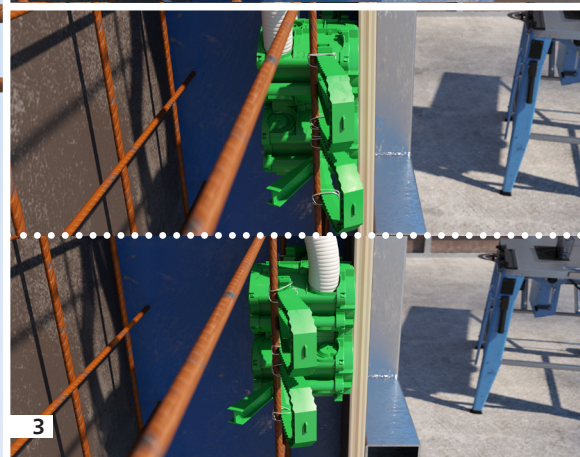
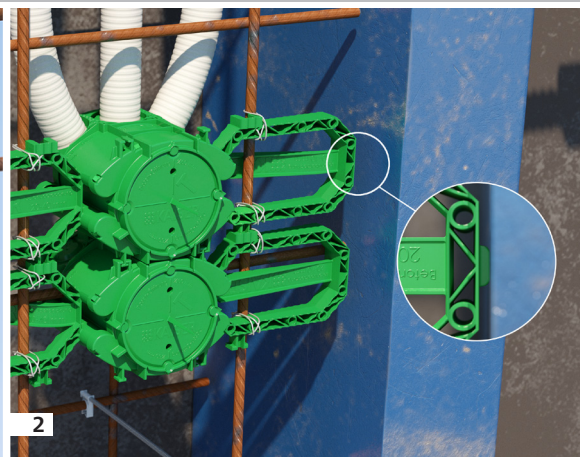
Sturdy signal bristle and strong colouring for easy retrieval



The new Prefix® concrete construction boxes.

The new Prefix® concrete construction boxes, in addition to the proven product features such as lateral installation clamps for fastening to the reinforcement, mounting clips for pre-fixing the items and marked wave profile for an exact and secure fit, now also have innovative conduit entries, insertion options in the rear part of the box as well as separators that can be broken out at a later date for connecting devices in combinations.



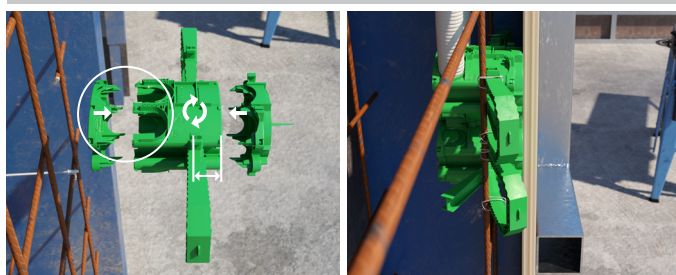


The new Prefix® – 10 times better.

- 1 The simple and fast installation for opposing formwork without support element and counter bearing ...
- 2 ... as well as lateral spacers ensure complete flow around the concrete and allow facing concrete installations even in passage and edge areas
- 3 Suitable for 20 - 60 mm concrete covers
- 4 Innovative conduit entries with diameters of 25/32 mm and 20/25 mm, for quick fitting on the construction site.
- 5 Insertion options up to 25 mm diameter on the rear base of the box.
- 6 Easy assembly by hand.
- 7 Sturdy signal bristle and bold colouring for easy retrieval in the concrete surface.
- 8 Large inlay and installation clearance
- 9 Convenient installation of pre-wired installation accessories in multiple combinations by ...
- 10 ... means of a subsequently breakable separator.

Adjustment to the respective concrete cover

Concrete cover 20 - 40 mm



The assembly of the box for a concrete cover of **20 to 40 mm** is carried out by installing the conduit entries at the bottom of the box.

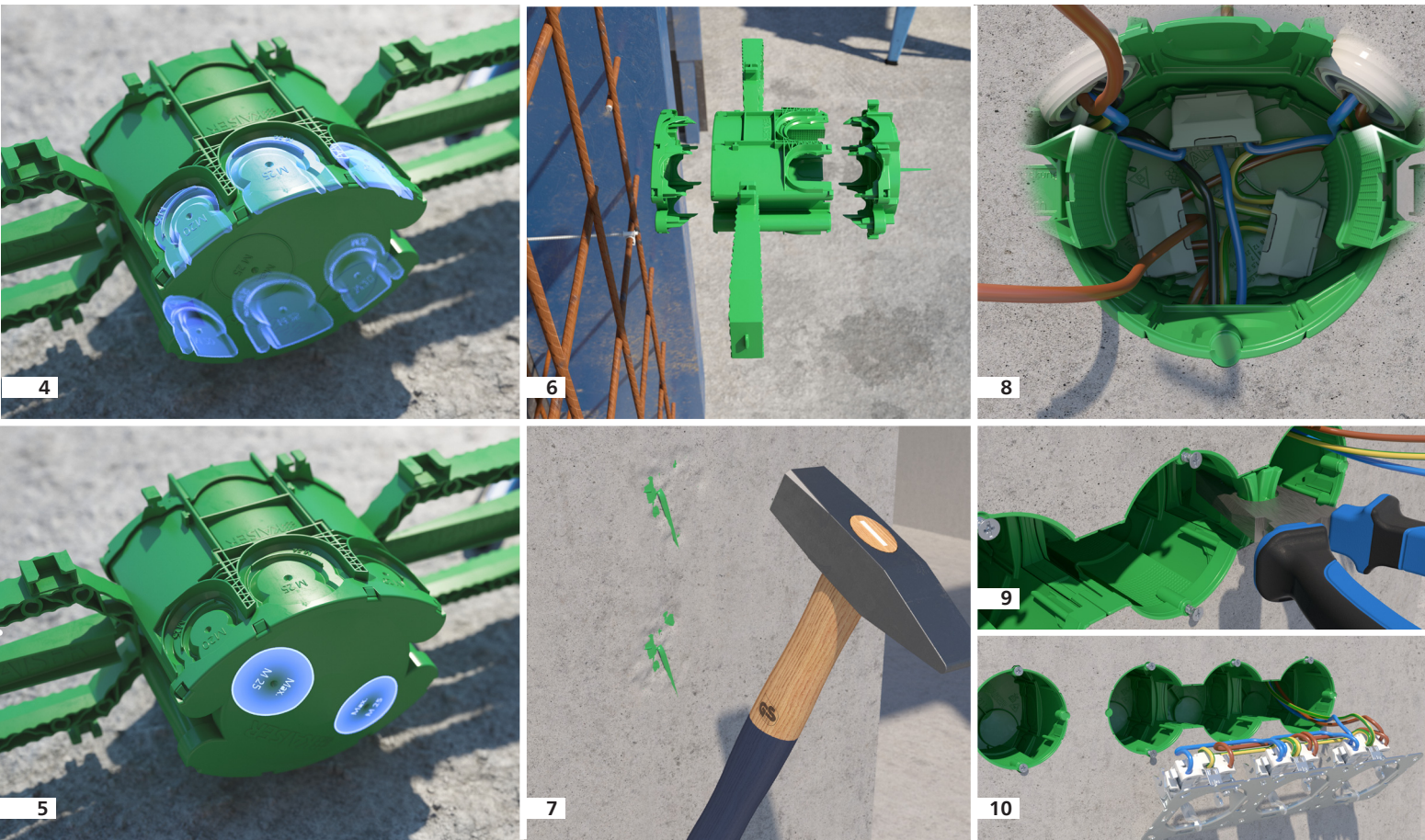
This means that the conduit entries are located behind the first reinforcement layer and that time-consuming and destabilising reinforcement cuts are no longer necessary.

Concrete cover 40 - 60 mm



A concrete cover of **40 to 60 mm** is also possible by simply turning the box upside down. For this purpose, the conduit entries must be arranged on the front part.

This means that the conduit entries are located in front of the first reinforcement layer and also remain usable without restrictions. The conduits are to be routed behind the reinforcement at the earliest opportunity.



Packed full of innovative functions, the new **Prefix® one-gang junction boxes** and **Prefix® wall light connection boxes** offer new market-orientated product features, noticeably easier handling as well as improved efficiency on the construction site.

The Prefix® concrete construction boxes allow a simple and quick installation to the opposing formwork without support element and counter bearing, with safe concrete tightness.



VDE certified

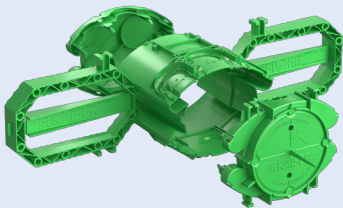


Product video
Insertion work

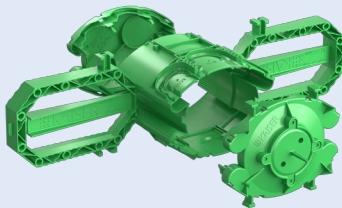


Product video
Installation

Prefix® concrete construction box 60
One-gang junction box
Art. no. 1211-01



Prefix® concrete construction box 35
Wall light connection box
Art. no. 1211-02



Universal opening cutter for creating exact openings for electric cable and conduit entries in plastics
Step drill Art. no 1284-32



Wall and ceiling transitions.

For empty conduit installation in on-site mixed concrete.

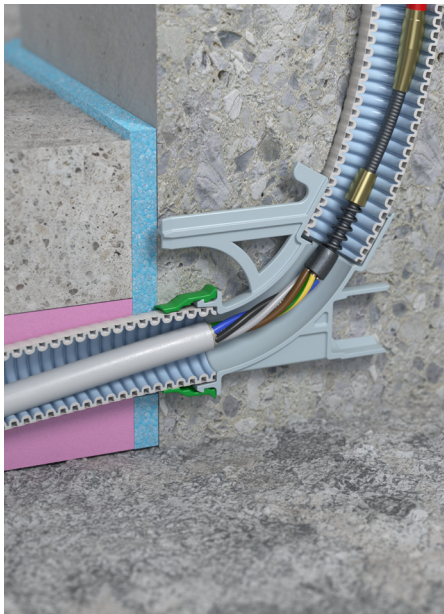
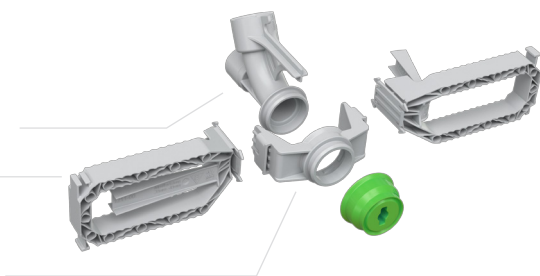
End and transition bushes as well as wall and ceiling transitions ensure a continuously functioning empty conduit system at transition points. The particularly compact design of the end and transition bushes enables empty conduit exits to be easily arranged - even between closely spaced reinforcement bars and without needing to adjust the bars. The optimum radius of the wall and ceiling transitions, and their precisely fitting conduit holders, avoid the occurrence of abutting edges at transitions, thus ensuring that electric cables can be freely inserted from both ends.

- Small design for easy installation between close-fitting reinforcement bars
- Easy cable pull-in due to optimal transition radius
- Installation on the opposing formwork with support element and counter bearing
- 2-part design with secure catch mechanism
- Easy removal of the plaster skin
- Small visible surface, clean wall or ceiling appearance

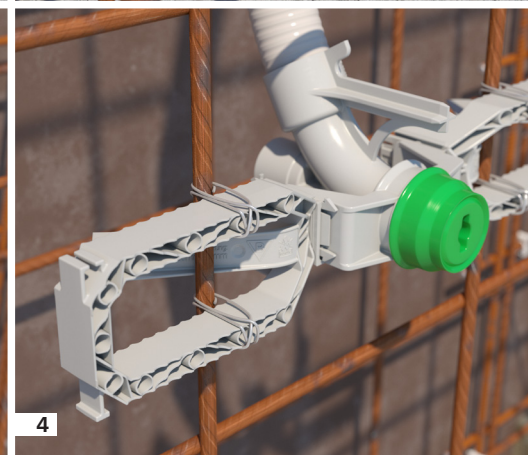
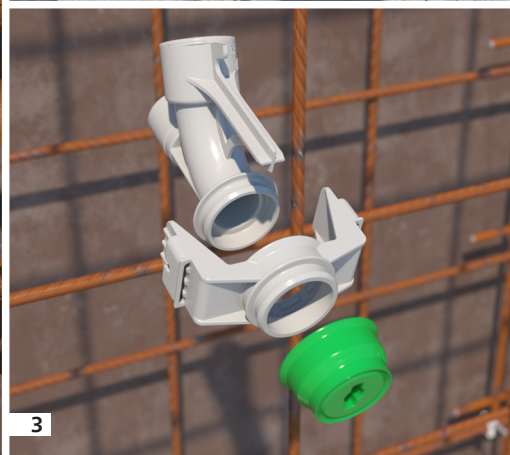
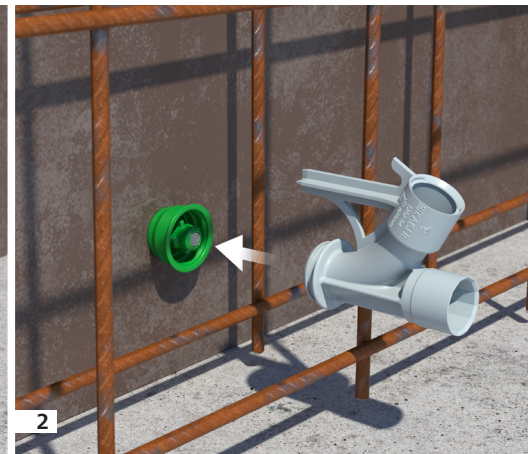
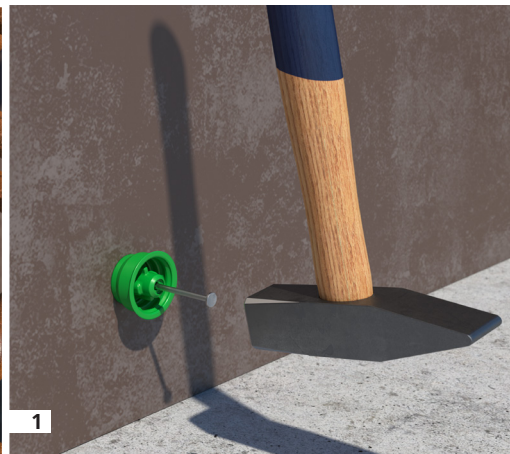
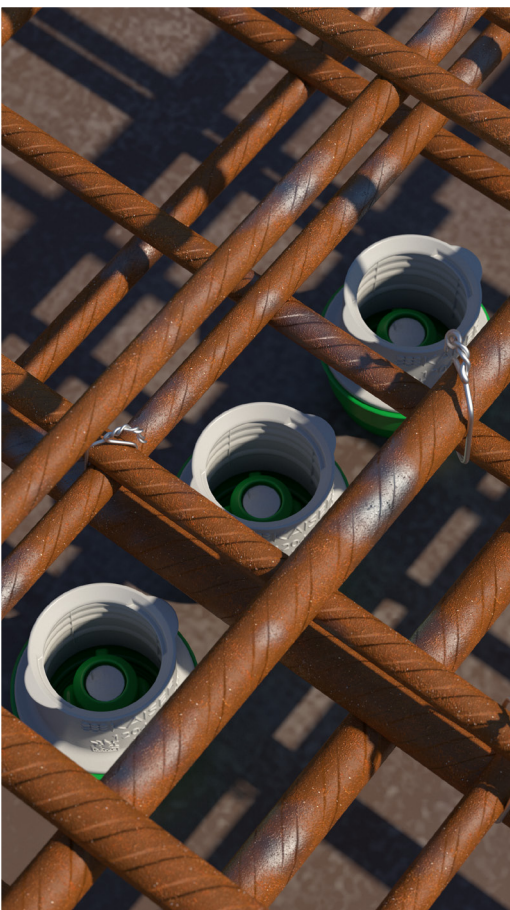
Wall and ceiling transition 30°

B¹ Prefix® system wing set

B¹ Prefix® wall exit adapter



The optimal radius of the transitions ensures flexibility when pulling cables in.



The particularly compact design of the **end and transition bushes** enables empty conduit exits to be easily arranged - even between closely spaced reinforcement bars and without needing to adjust the bars.

- 1 The flat front part facilitates easy fixing with just one nail.
- 2 The new snap-in connection provides a safe connection between the front and rear parts.
- 3 Installation on the opposing formwork with an adapter and a Prefix® system wing set.
- 4 Quick and easy wall exit attachment to the reinforcement with Prefix® installation technology.

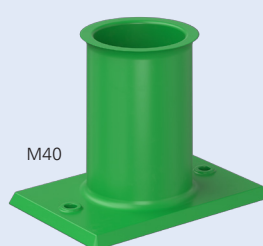


Product video

End and transition bush
Art. no. 1204-24/34/29



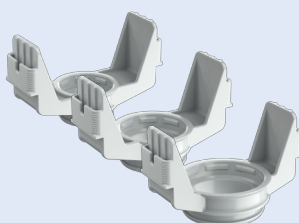
End and transition bush
Art. no. 1203-28



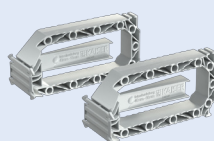
Wall and ceiling transition 30°
Art. no. 1202-04/34/29



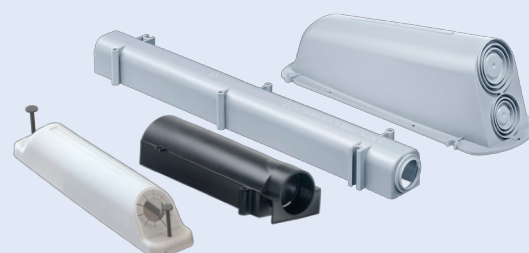
B¹ Prefix® wall exit adapter
Art. no. 1211-20/25/32

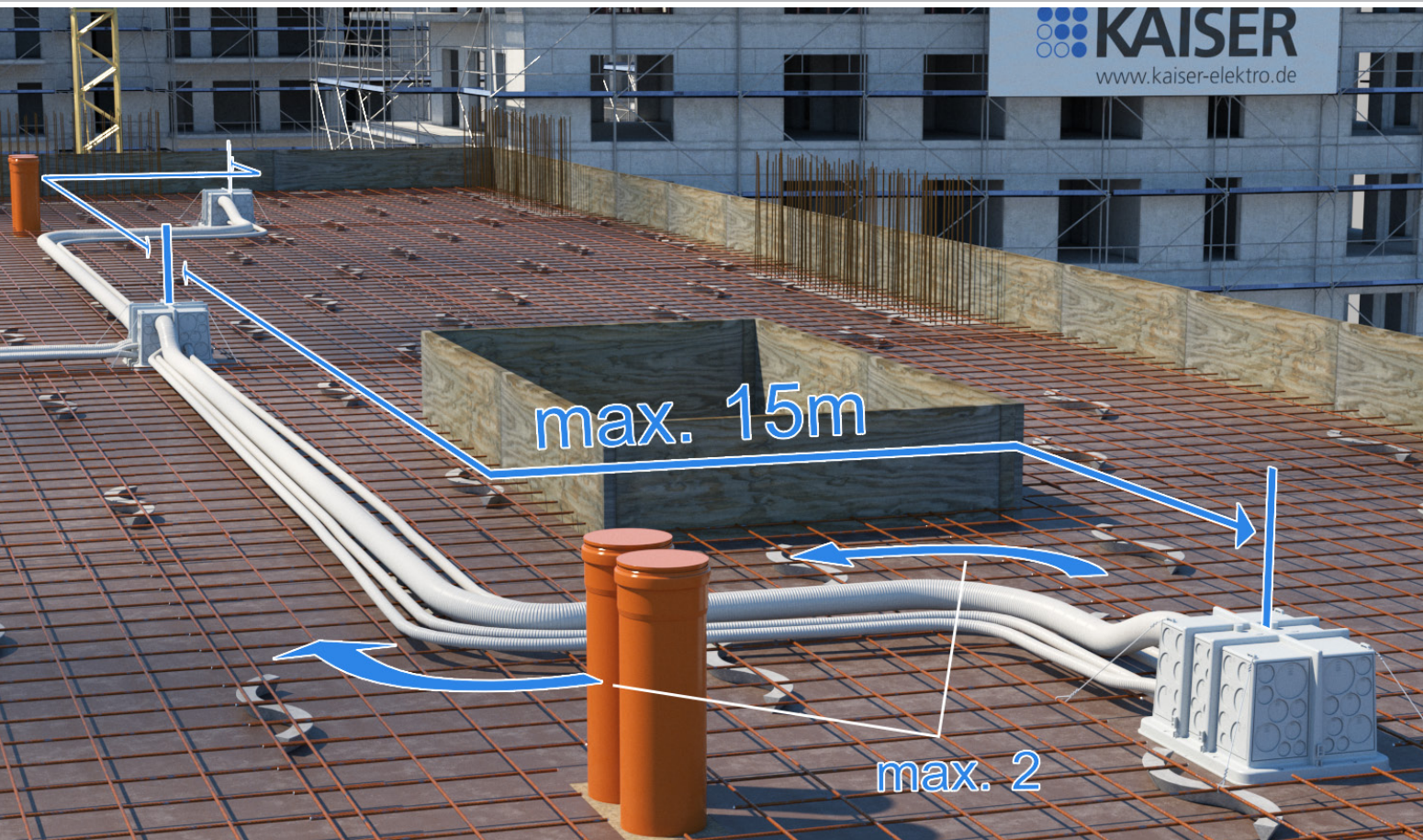


B¹ Prefix® system wing set
Art. no. 1211-00



Ceiling strip / formwork protection
Art. no. 4551-1283- / 4558 / 4552





Wire-pull and junction casings.

For continuous empty conduit installation.

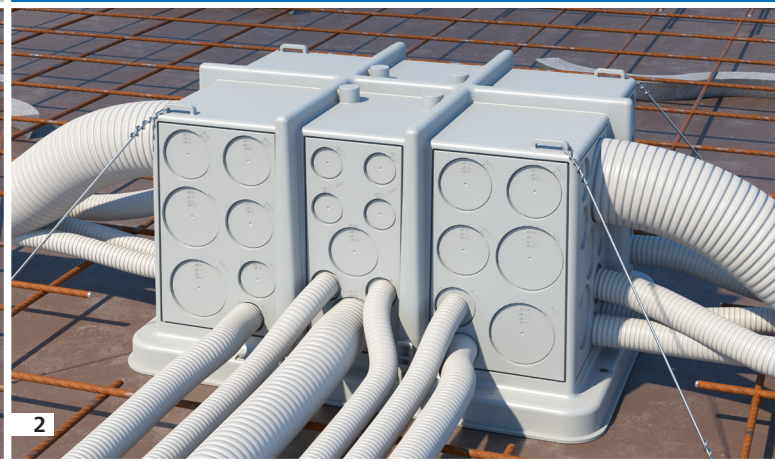
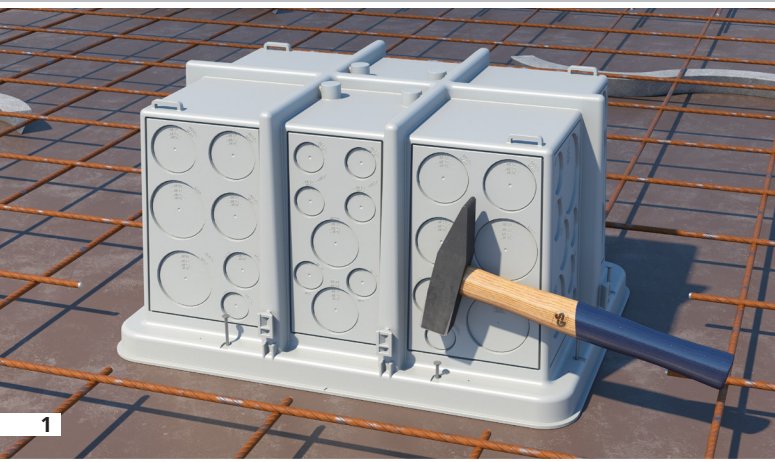
KAISER wire-pull casings ensure professional cable routing through conduit networks. According to DIN 18015-1, conduit lengths of more than 15 m as well as more than two bends require wire-pull casings which allow for the re-tightening or retrofitting of electric cables at any time.

Wire-pull casings provide multiple conduit entry options and maximum free space to ensure a continuous cable network, also with subsequent changes to the electrical installation.

- Quick and secure installation with pre-installed nails
- Simple mounting in the wall using Prefix® installation technology
- High dimensional stability, no internal support required
- Versatile conduit entry options
- In case of sub-ceiling insulation, it can be extended via intermediate frames
- Clean formwork removal where facing concrete is required
- Maximum space for pulling electric cables through and for cable retrofitting



Product video

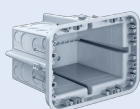


- 1 Fastening to the ceiling formwork occurs by means of 8 pre-installed nails. The nail domes have a predetermined breaking point, so that the nails are removed together with the formwork removal.
- 2 Tie lugs attached to the rear wall provide additional security during fixing if extreme loads are expected.
- 3 The conduit entries can easily be opened using a step drill or hammer and screwdriver. If multiple different conduits are entered, the side walls can be removed with one blow of the hammer.
- 4 Also suitable for wall mounting – to be fixed to the reinforcement via Prefix® installation technology.

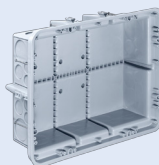
Wire-pull casing
Art. no. 9916



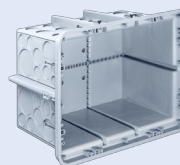
Wire-pull casing
Art. no. 9916.21



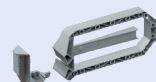
Wire-pull casing
Art. no. 9917



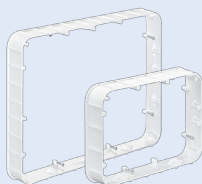
Wire-pull casing
Art. no. 9917.21



Prefix® wing set
Art. no. 9940..



Extension piece
Art. no. 9917.68 / 9916.68



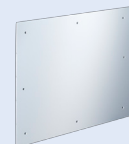
Plaster cover
Art. no. 9917.06 / 9916.06



Screw-on cover
Art. no. 9917.02 / 9916.02



Waterproof cover
Art. no. 9917.03 / 9916.03

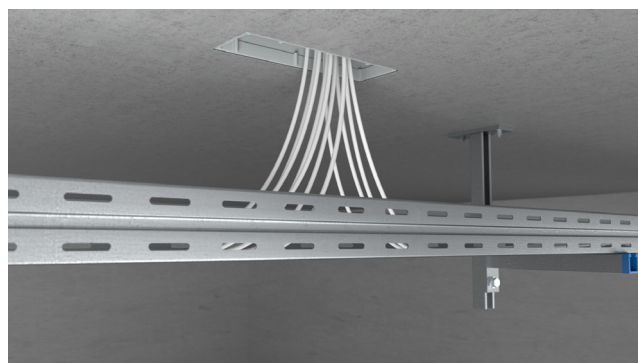


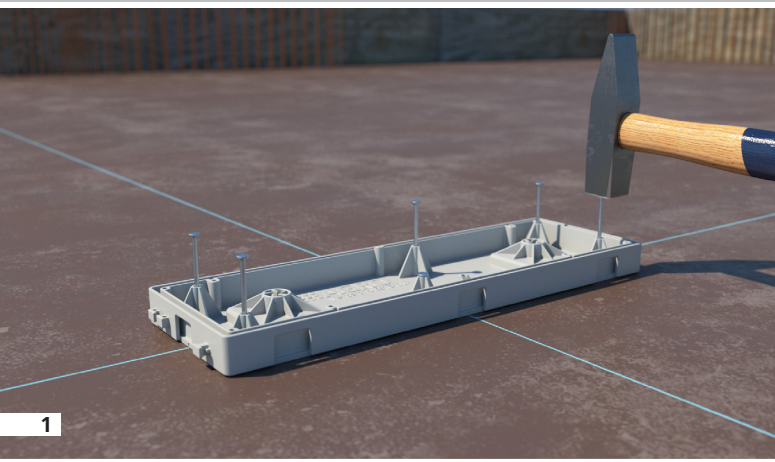


Central transition casing. For universal conduit entries.

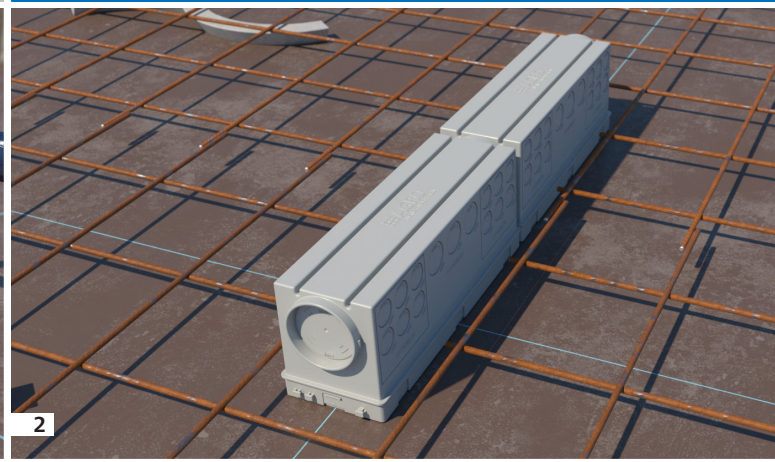
The new **central transition casing** for use in on-site mixed concrete ceilings is used for centralised joining of conduits of different diameters. As a central entry point, it enables a clean transition to electrical circuit distributors and cable routing systems, allowing, for example, all supply lines required for the electrical installation of a flat to be brought together at one transition point.

- For the exit of several electric cables, e.g. above an electrical distribution board located in the lightweight wall or surface-mounted
- For system magnet, adhesive or nail fastening
- Conduit entries for Ø 20 mm, Ø 25 mm and Ø 32 mm on the long sides, up to Ø 63 mm on the short sides
- Positioning of the conduit entries above the first reinforcement layer or the top of the filigree ceiling
- Can be connected in a row as often as required

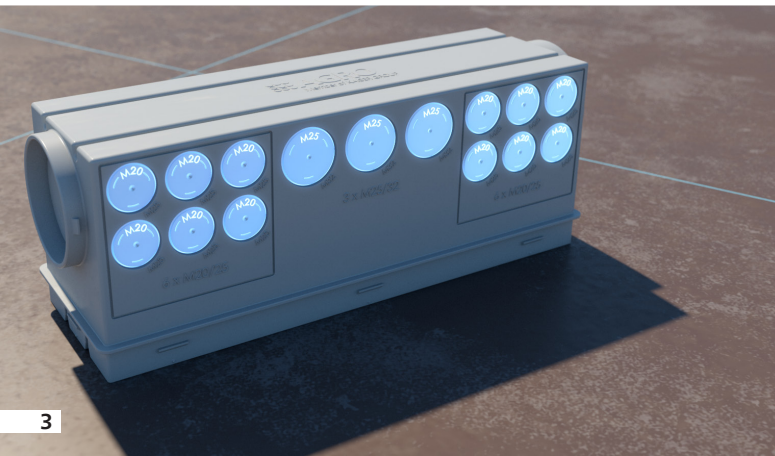




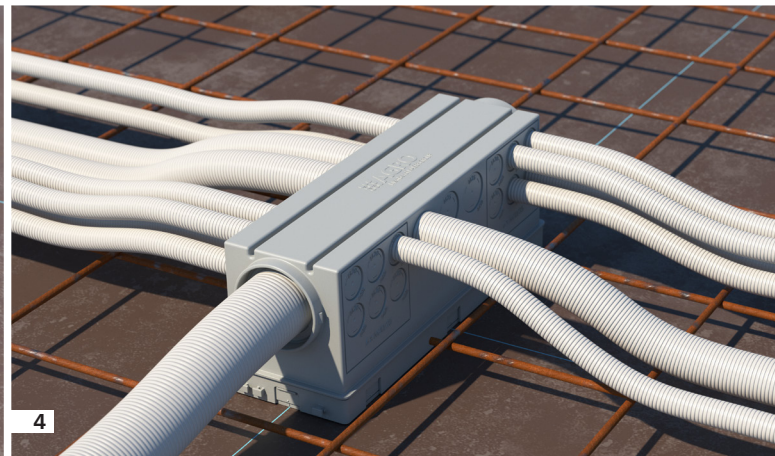
1



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4

- 1 Fastening to the ceiling formwork occurs using steel nails.
- 2 Tie lugs attached to the rear wall provide additional security during fixing if extreme loads are expected.
- 3 If required, several central transition casings can be lined up next to each other.
- 4 The central transition casing for the exit of several electric cables, e.g. above an electrical distribution board located in the lightweight wall or surface-mounted, as well as cable routing systems.

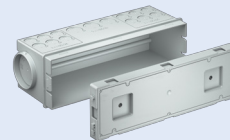
The new central transition casing is designed so that the upper conduit entries 24 x M20-25 and 6 x M25-32 are located above the filigree ceiling, which is usually 4 to 6 cm thick.

At the end faces, where several boxes can also be connected in a row, there is an M40-63 entry in each case. Moreover, it is possible to use four large windows for bundled conduit entries.

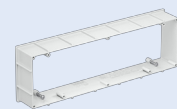
Optional 45 mm high extension frames, which can also be stacked on top of each other as required, allow the gap between the bare concrete and finished ceiling to be bridged in the case of suspended ceiling insulation.

The front part of the new transition casing is attached to the formwork with nails or adhesives and the upper part is simply snapped on. After formwork removal, the opening contour of the front part can be easily knocked out with (one) blow of the hammer. Plastic or aluminium screw-on covers are available for clean room separation.

Central transition casing
Art. no. 9914.10



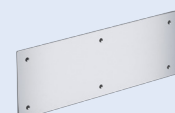
Extension frame for Central transition casing
Art. no. 9914.10.68



Screw-on cover Plastic
Art. no. 9914.10-02



Moisture-proof cover aluminium
Art. no. 9914.10-03



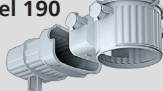
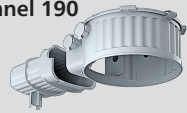
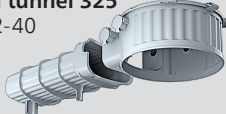
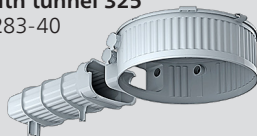
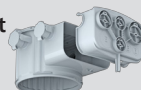
Product video

System overview HaloX® 100, HaloX® 180 and HaloX® 250 for on-site mixed concrete



System overview

The HaloX® system for on-site mixed concrete consists of different components, which are put together individually depending on the use. Follow the steps below to choose the required components:

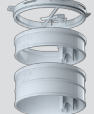
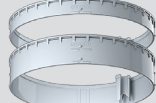
1 Installation compartment for luminaires/loudspeakers and operating devices	 max. 100 mm	 max. 180 mm	 max. 250 mm
without additional space for operating devices 	HaloX® 100 1281-00 	HaloX® 180 1282-00 	HaloX® 250 1283-00 
Additional space for operating devices  up to max. 150 x 90 x 50 mm*	HaloX® 100 with tunnel 190 1281-30 	HaloX® 180 with tunnel 190 1282-30 	
Additional space for larger operating devices  up to max. 280 x 90 x 50 mm*		HaloX® 180 with tunnel 325 1282-40 	HaloX® 250 with tunnel 325 1283-40 
Exit for prefabricated cables Conduits up to max. M40	HaloX® 100 multi-conduit entry 1281-15 		

* The max. dimensions for operating devices must be checked in relation to the installation opening

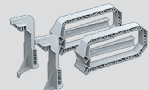
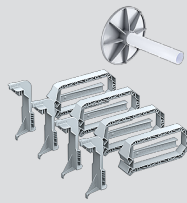
2 Luminaire/loudspeaker installation diameters

round • Round front parts • Round front parts (facing concrete)	Ø 68 - 100 mm	Ø 100 - 180 mm	Ø 180 - 250 mm
square • Square front parts • Square front parts (facing concrete)	68x68 - 75x75 mm	—	—
universal • Universal front part plastic (a) • or mineral fibreboard (b)	Ø max. 100 mm	Ø max. 180 mm	Ø max. 250 mm
Specific individual Styrofoam moulded parts (optional for facing concrete)	•	•	•

3 Installation depth

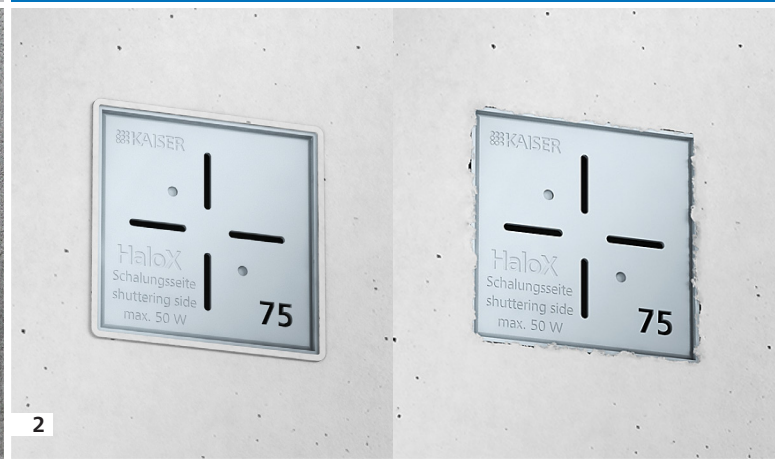
 Installation height > 110 mm	 Extension rings 10/25/50 mm 1281-21/25/50	 Extension rings 25 / 50 mm 1282-25 / 50	 Extension rings 25 / 50 mm 1283-25 / 50
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4 Accessories

Wall installation in vertical formwork 	Prefix® installation set for fixing to the reinforcement 1299-65 	Wall installation set for installation in vertical formwork 1299-60...64 Prefix® installation set for fixing to the reinforcement 1299-66 
Easy to find after formwork removal		Signal cover 1281-31...33 



1



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3



4

HaloX®

Forms and functions.

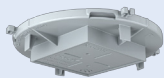
Front parts with defined installation diameters are available for all enclosure sizes - also for the facing concrete versions. An additional elastomer sheathing prevents the dry concrete from cracking in this case. Styrofoam moulded parts are available for individual installation diameters in almost any shape and thickness, and universal front parts are suitable for variable or as-yet-undefined ceiling exits.

- 1 Round front parts with and without an elastomer seal.
- 2 Square front parts with and without an elastomer seal.
- 3 Styrofoam mouldings for individual cut-outs in any shape and size (with and without an elastomer seal).
- 4 Universal front parts for variable or not yet defined ceiling cut-outs.

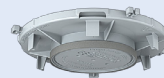
HaloX® 100/180/250 front parts
1281-01..07
1282-01..06
1283-01..06



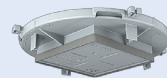
HaloX® 100 front parts, square
1281-08/09



HaloX® 100/180/250 front parts for facing concrete
1281-61..67
1282-61..66
1283-61..66



HaloX® 100 front parts, square for facing concrete
1281-68/69



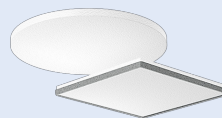
HaloX® 100/180/250 universal front parts with plastic panels
1281-10
1282-10
1283-10

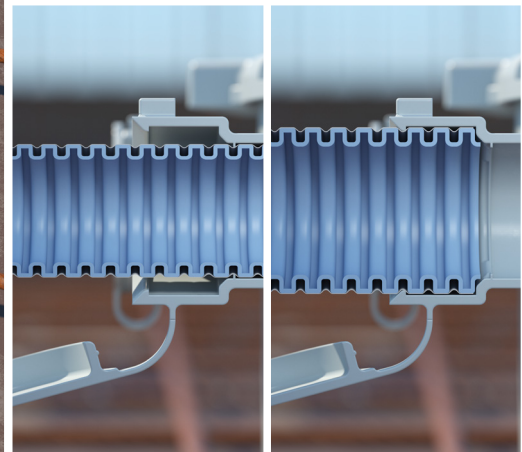
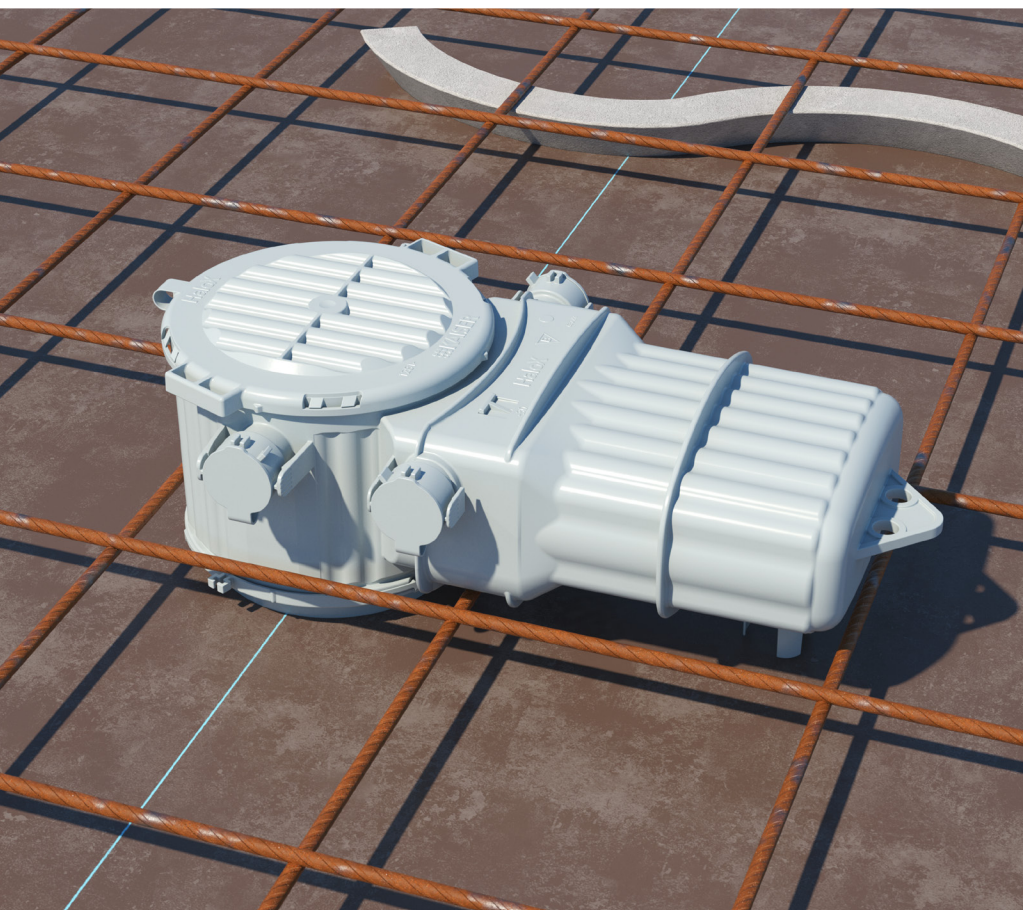


HaloX® 100/180/250 universal front parts with mineral fibreboard
1281-11
1282-11
1283-11



HaloX® Styrofoam moulded parts
1292-90

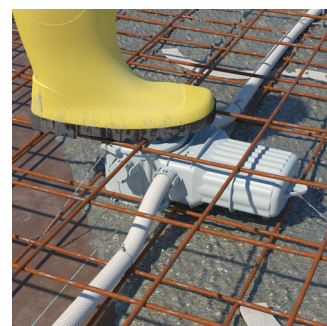
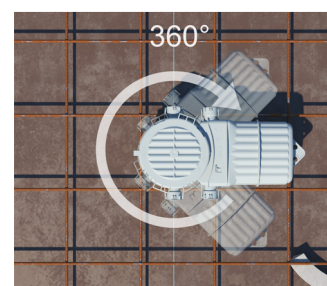




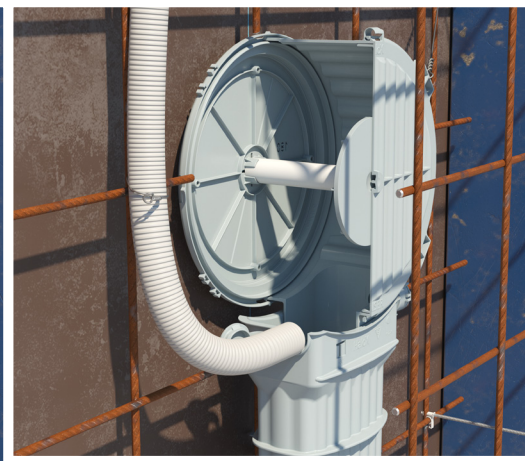
HaloX®

Processing on the ceiling formwork.

The flat front part (20 mm) lies below the lower reinforcement layer, thus not hindering any subsequent works, and can be precisely aligned using the centre marking. After inserting the reinforcement, the required reinforcement cuts can be made and the housings can be latched to the front parts. After locking the housing, it can be rotated 360° for better conduit connection or to avoid collisions with the reinforcement. The combination conduit entry can be opened simply by hand. If necessary, conduit entries that have already been opened can simply be closed again. The combination conduit entry provides a secure connection for both sheathed and non-sheathed conduits and can be used individually for conduit sizes Ø 20 mm or Ø 25 mm. It offers a high degree of pull-out safety and, thanks to the integrated depth stop, makes subsequent internal shortening of the conduits superfluous. All HaloX® installation housings are robustly designed and meet the requirements of the harsh conditions at the construction site and in the concrete plant. After formwork removal, the HaloX® system ensures a clean ceiling appearance and the optimum condition for installing luminaires and loudspeakers.



Product video



HaloX®

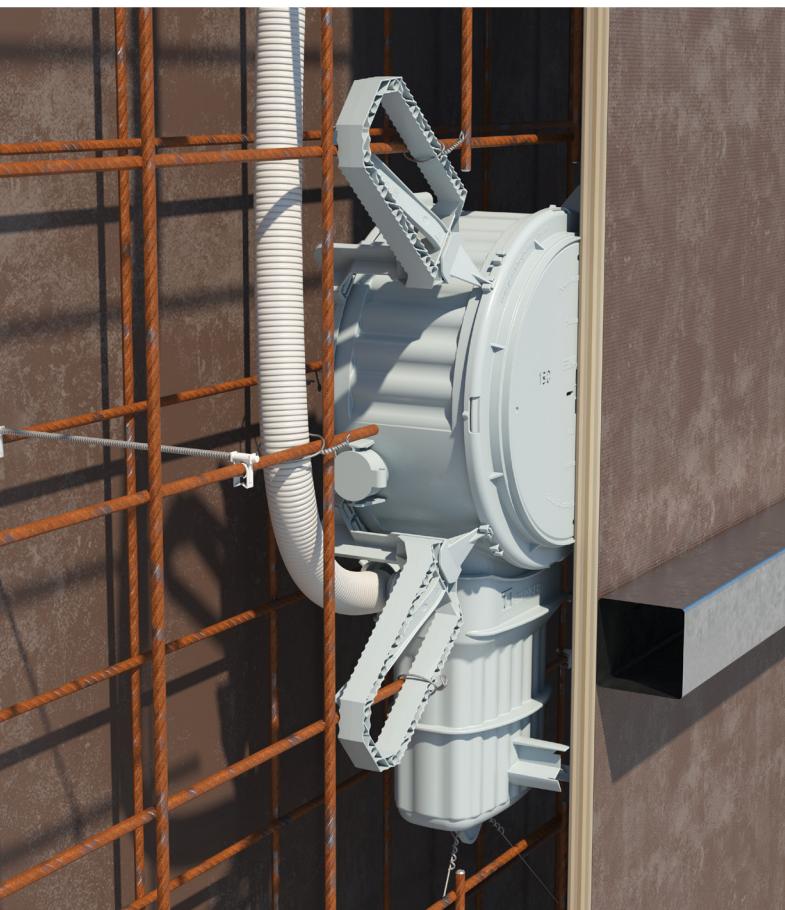
Installation on the working formwork.

Thanks to the stable nail domes arranged in the plaster skin and the centre marking on the side, the front parts can be precisely aligned and securely fixed. After inserting the reinforcement, the required reinforcement cuts can be made and the housings can be latched to the front parts. In the case of housings with a tunnel, this must be aligned vertically downwards. When using HaloX® 180 or HaloX® 250 the wall installation kit (Art. no. 1299-xx) must be used for additional stabilisation of the housings. To further secure the HaloX® housing, this can be additionally fixed to the reinforcement by means of tie wires through the tie lugs. After formwork removal, the HaloX® system ensures a clean wall appearance and the optimum condition for installing luminaires and loudspeakers. The wall installation set (Art. no. 1299-xx) must be used for wall installation of the HaloX® 180 or HaloX® 250 housings. This ensures a maximum installation compartment even with high concrete pressure.



Poster





HaloX[®] - accessories.

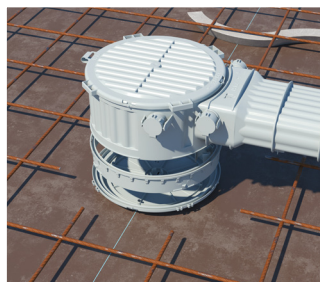
Wall installation, mounting to the opposing formwork using Prefix[®] installation set. Prefix[®] installation sets (item no. 1299-65) for HaloX[®] 100 and for HaloX[®] 180/250 (Art. no. 1299-66) are available as an option for installation to the opposing formwork. When fitting HaloX[®] 180/250, also use wall installation kit (Art. no. 1299-60). The Prefix[®] installation clamps can be latched-on on both sides and are suitable for concrete covers measuring 20–40 mm and 40–60 mm. Following pre-fixing by using Prefix[®] installation clamps, both your hands are free to carry out fast, secure fixing to the reinforcement using tie wires. Now the housing can be populated with 20/25 mm diameter conduits – with tools required. Concrete cover after installation with catch mechanism Prefix[®] installation clamps for 20– 40 mm concrete covering. Concrete cover after installation with catch mechanism Prefix[®] installation clamps for 40– 60 mm concrete covering.



Extension rings to enlarge the installation compartment.



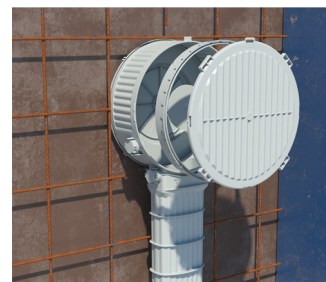
HaloX[®] 100: front extension
10, 25 or 50 mm
(Art. no. 1281-21, -25, -50).



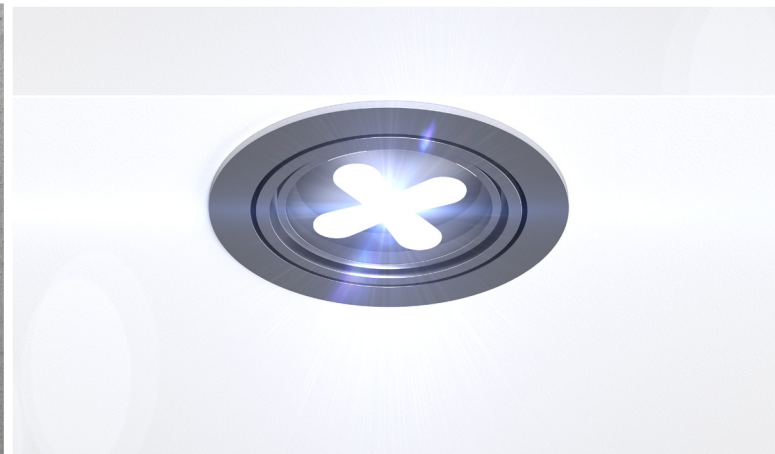
HaloX[®] Ø 180: front-side
extension 25 or 50 mm
(Art. no. 1282-25, -50)



HaloX[®] Ø 180: rear-side
extension 25 or 50 mm
(Art. no. 1282-25, -50)

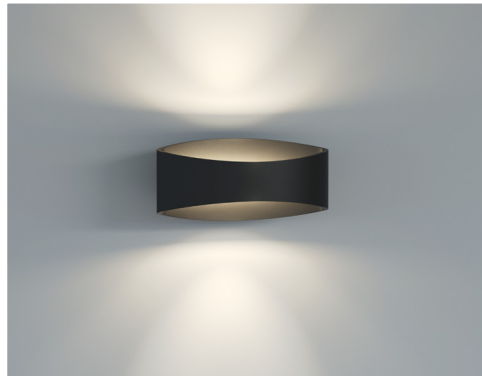
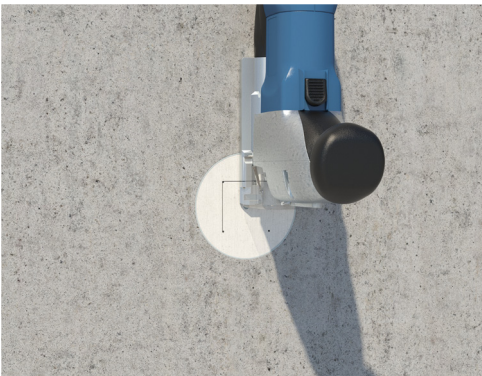


HaloX[®] 250: extension
25 or 50 mm front or rear
(Art. no. 1283-25, -50)



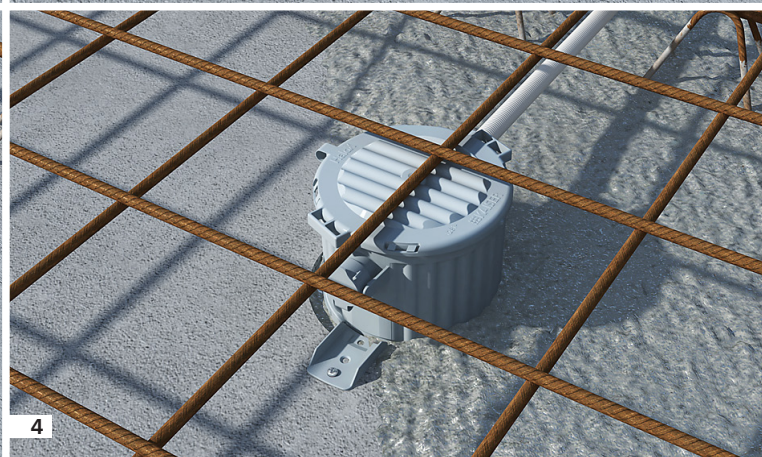
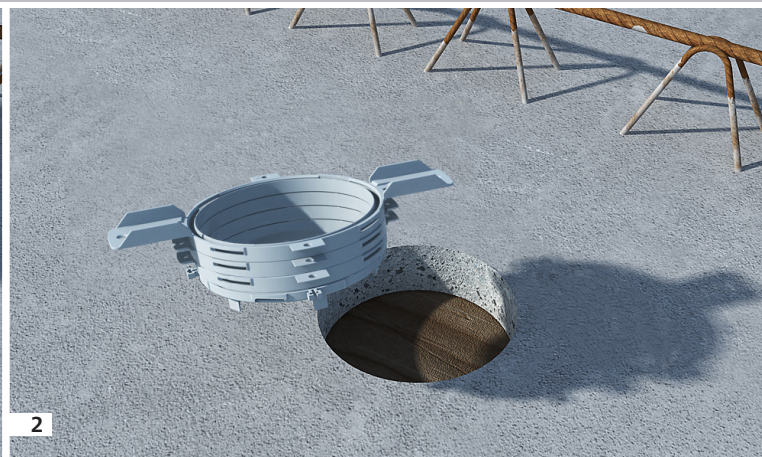
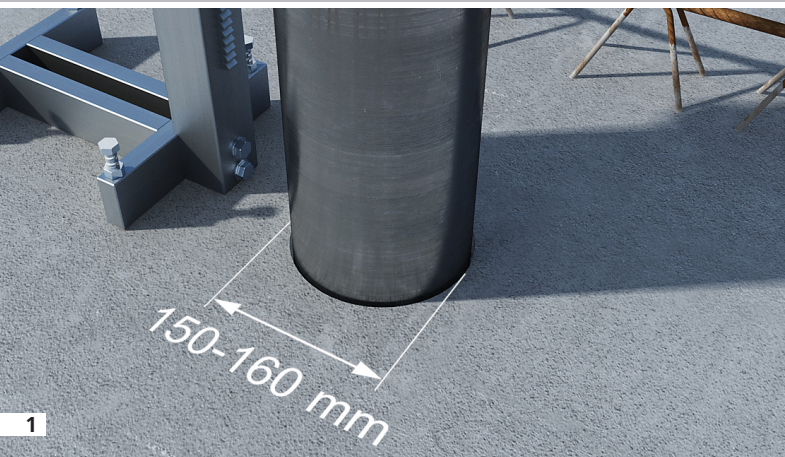
HaloX® - electrical installation

After formwork removal, the front part (e.g. Art. no. 1281-01) can be opened with one blow of the hammer. The optimal foundation for modern ceiling lighting. With KAISER MULTI 4000 turbo cutters (e.g. Art. no. 1083-10), the required installation openings can be created easily and precisely in universal plastic front parts (e.g. Art. no. 1281-10). Design freedom for creative, modern lighting systems. With the KAISER VARIOCUT (e.g. Art. no. 1089-00), the required installation openings can be made with millimetre precision in the universal mineral fibre front parts (e.g. Art. no. 1281-11). Optimal sound volume for modern multi-room systems. Individual opening sizes (e.g. rectangular cut-outs) can be made in the universal front parts as required using a commercially available jigsaw. The perfect installation compartment for individual orientation lighting.



Product video





- 1 A core drilling (Ø 150 - 160 mm) is cut into the slab ceiling.
- 2 Front parts and extension rings are combined according to the ceiling thickness and installation depth.
- 3 Place the housing in the core drilling and fasten.
- 4 The housing attached to the reinforcement now sits firmly and precisely in place.

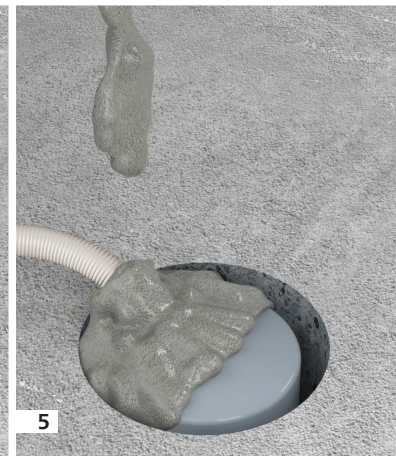
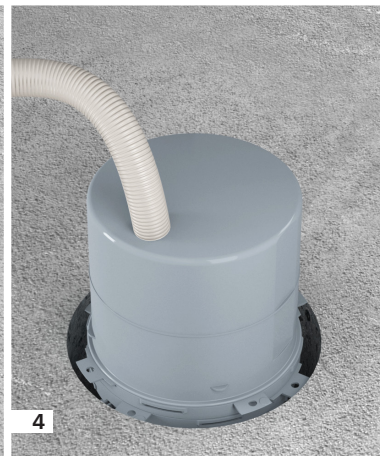
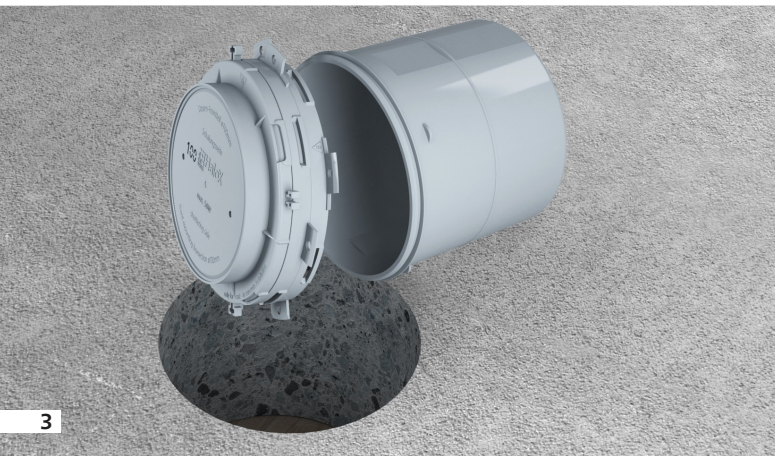
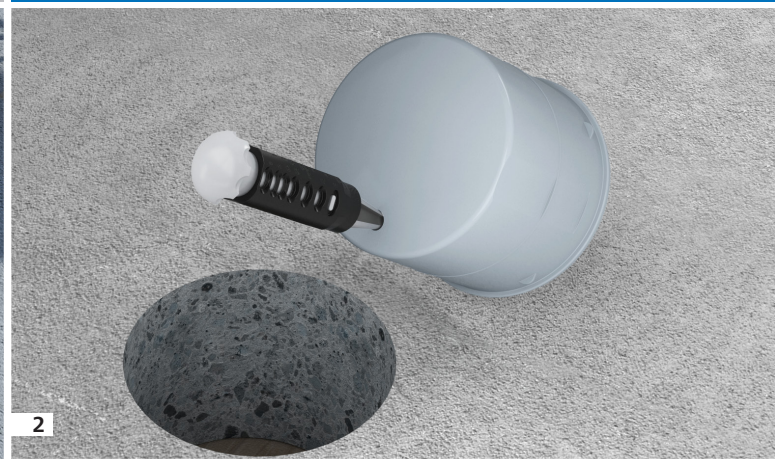
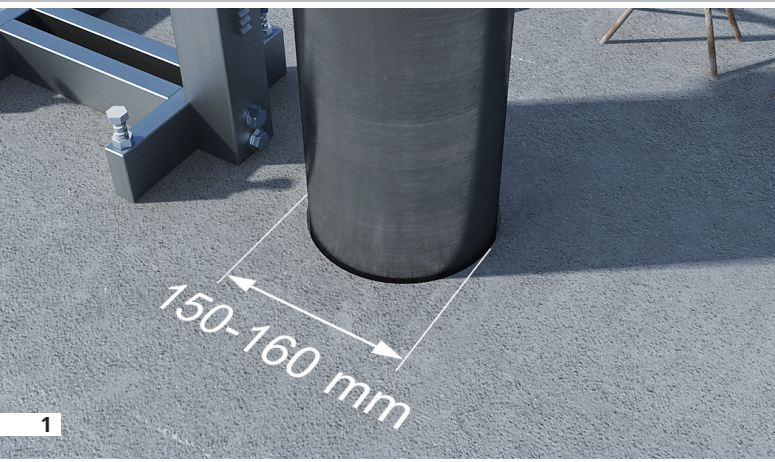
HaloX® installation kit.

For subsequent installation in slab ceilings.

The HaloX® installation kit can be retrofitted in existing slab ceilings (from thickness 50 mm) with or without a transformer tunnel. Be sure to take into account the ceiling thickness and the structural alteration of the ceiling (e.g. fire protection and statics).

- For subsequent installation in filigree ceilings
- Minimal effect on statics
- Enables convenient short-term planning changes
- Large selection of opening sizes up to Ø 100 mm
- Extension rings for bridging the slab ceiling element and for increasing the luminaire installation depth





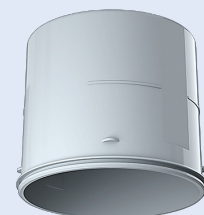
- 1 Cut core drilling in the solid ceiling with a diameter $\varnothing$ 150 - 160 mm.
- 2 The universal opening cutter is used to create precisely fitting conduit entries for the corresponding conduit sizes.
- 3 Front parts and extension rings are combined according to the ceiling thickness and installation depth.
- 4 The complete housing with the mounted installation conduit is inserted into the core drilling.
- 5 Then the free space is filled with concrete and compacted.

HaloX[®] for solid concrete ceilings. For subsequent installation.

HaloX[®] concrete installation housing for solid concrete ceilings can be inserted into existing and retrofitted core drillings.

- For subsequent installation in solid ceilings
- Minimal effect on statics
- Quick installation with snap-in connections
- Robust construction, ideal for use on building sites
- Large selection of opening sizes up to $\varnothing$ 100 mm

**HaloX[®] housing for core drillings
in solid ceilings**
Art. no. 1290-30





Signal cover. The solution for a clean ceiling appearance after plastering.

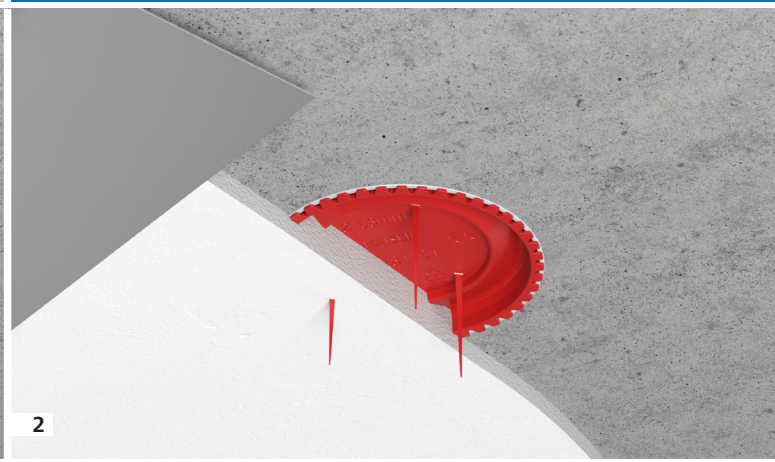
The new signal cover ensures a clean ceiling appearance and avoids time-consuming reworking of the installation opening after plastering. As an accessory item for the KAISER HaloX® concrete installation housings, the signal cover is simply inserted into the already opened front part after formwork removal from the rough ceiling or wall. Thus, the installation opening is securely closed and protected against penetration of plaster. Three signal bristles, in combination with the bright red colour, ensure that the installation opening in the plastered rough ceiling or wall can be found quickly and easily. The installation opening can be opened with one targeted blow of the hammer without destroying the surrounding plaster pattern. With one turn of the knife edge, cleaning residues are removed effortlessly. The flexible signal cover can then be removed easily and cleanly. Its specially serrated edge structure preserves the plaster edge.

- Stable and robust clamping in installation diameters of 68 mm, 75 mm and 80 mm,
- For use in fixed HaloX® front parts, universal HaloX® front parts and other installation openings
- Stable signal bristles and strong colouring for easy retrieval from the plaster surface
- Reusable, easy to clean

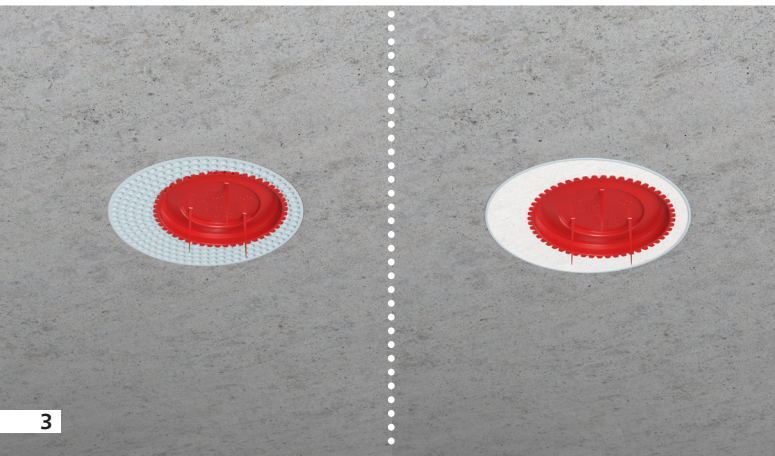




1



2



3



4

- 1 After formwork removal and pull-in of the supply conduits, the signal cover is inserted into the installation opening.
- 2 The red signal bristles are flexible during the smoothing process and do not hinder this work step but, at the same time, are stable enough to keep the position in the plaster surface recognisable.
- 3 In addition to being able to use the HaloX® front parts with fixed exit opening, these can also be inserted into the universal HaloX® front parts.
- 4 In the case of factory-fitted HaloX® housings for one of the system magnets (e.g. 1299-69 / 1299-70), the signal covers allow the magnetic recess to be smoothed or filled over the entire surface.

Signal cover

Art. no. 1281-31/ .. 32/ ..33



Product video



Universal installation housings for concrete ceilings and walls.

Variable for various installation accessories.

Universal installation housings allow easy and secure installation of many applications for which no concrete installation solutions are commercially available. Devices such as touch panels for smart home applications, for example, can be optimally installed via the installation opening that can be made in the mineral fibreboard.

Universal installation housings also provide the perfect solution for other applications used for control, lighting or sound systems of rooms and buildings.

The fitting of the universal installation housings is similar to that of the junction casings, so that both the planning and the installation can be carried out just as easily. The housing system is equally suited for installations in on-site mixed concrete and in precast concrete elements, as well as for use in walls and ceilings, so that the system has no restrictions here either.

The universal mineral fibreboard can be easily and precisely opened for the relevant applications using a jigsaw. A peripheral groove in the mineral fibreboard determines the maximum possible cut-out.



- 1 The housing in the concrete is flush-mounted with the mineral fibreboard.
- 2 The support element prevents it from being pressed inward while the concrete is being cast.
- 3 The front plates are easy to process, ensuring the ability to create flexible cut-outs.
- 4 The groove in the mineral fibreboard marks the maximum fitting area.

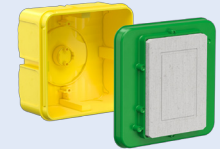
Universal installation housing with mineral fibreboard
Art. no. 1223-22



Universal installation housing with mineral fibreboard
Art. no. 1224-22



Universal installation housing with mineral fibreboard
Art. no. 1295-22



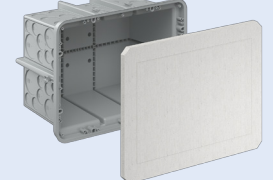
Universal installation housing with mineral fibreboard
Art. no. 1296-22



Universal installation housing with mineral fibreboard
Art. no. 1297-22



Universal installation housing with mineral fibreboard
Art. no. 1297-../1298-..



For creating exact entries
Step drill Art. no 1284-32



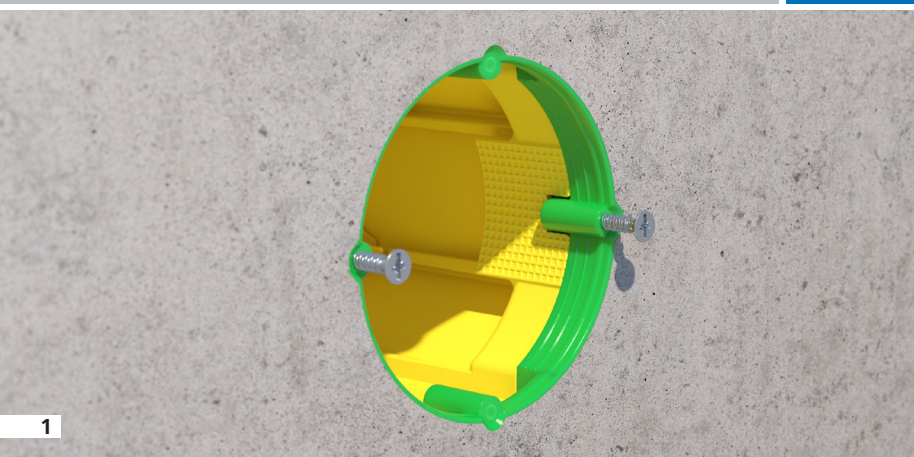
Products for facing concrete.

Highest requirements for appearance.

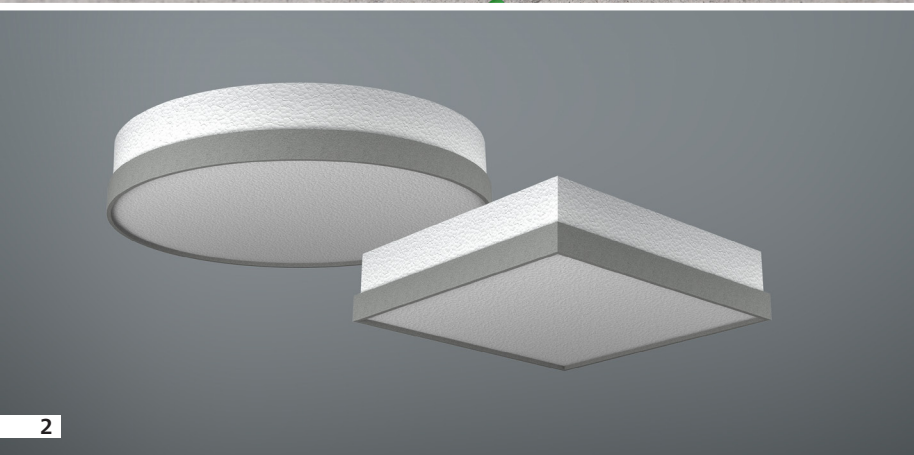
Facing concrete is a very popular architectural feature that is used for walls, stairs and specially-shaped elements. This is basically normal concrete. However, as the components are not processed any further after removing the formwork, the visual appearance differs significantly from normal concrete. Facing concrete is a part of architectural and interior design, which requires very precise advance planning to achieve the desired appearance.

The electrical installation also has some extra requirements when installed in facing concrete. KAISER offers various solutions for installation in facing concrete. Innovative product properties ensure that the installed products are safely moulded in the concrete and that the equipment can be installed without any problems.

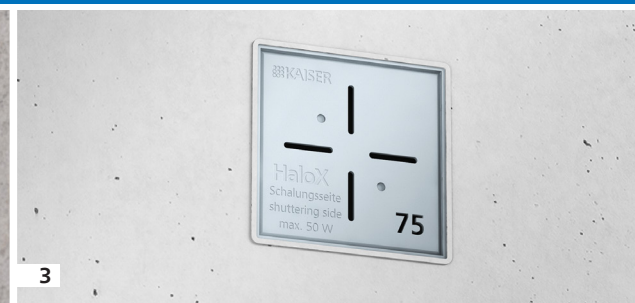




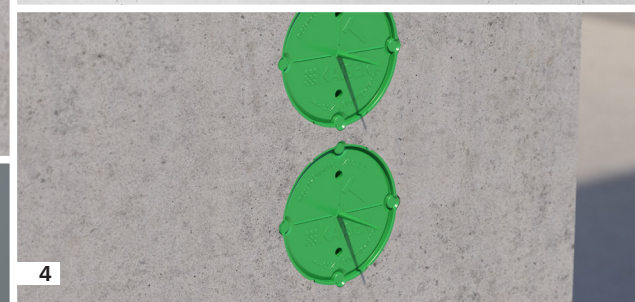
1



2



3



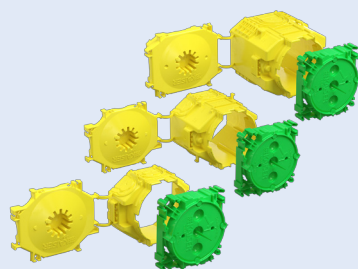
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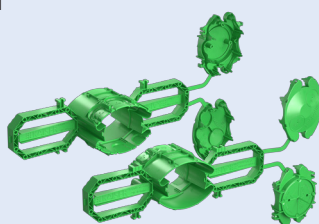
5

- 1 The products of the B' programme are suitable for use in facing concrete.
- 2 Styrofoam moulded parts with an elastomer seal for individual cuts-outs are available in any shape and size.
- 3 The HaloX® system includes a variety of front parts with elastomer seals for use in facing concrete.
- 4 Prefix® concrete construction boxes also for use in facing concrete.
- 5 Wall and ceiling transitions can be used as cable exits with a minimal visible surface.

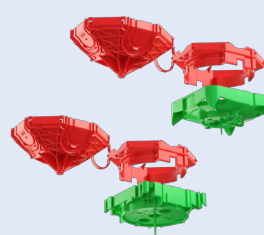
**B' One-gang boxes/
one-gang junction boxes /
large conduit one-gang junction boxes**
Art. no. 1255-01 / 1265-01 / 1260-01



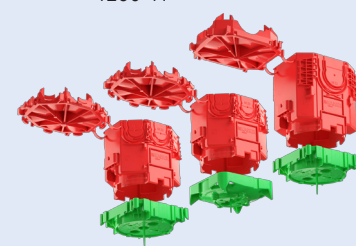
Prefix® concrete construction box 60 / 35
Art. no. 1211-01 / 1211-02



B' domed box 45°
Art. no. 1249-11
Art. no. 1249-12



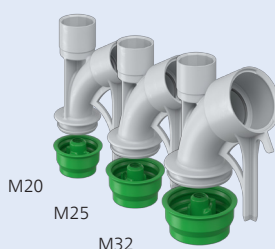
**B' ceiling
junction box**
Art. no. 1265-11 / 1265-12 /
1260-11



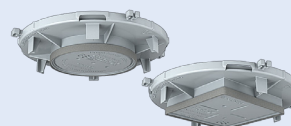
End and transition bush
Art. no. 1204-24/34/29



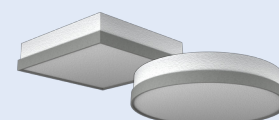
Wall and ceiling transition 30°
Art. no. 1202-04/34/29



**HaloX® 100/180/250
front parts for facing concrete**
1281-61...67 / 1282-61...66 /
1283-61...66 / 1281-68/69



**HaloX® Styrofoam moulded
parts for facing concrete**
1292-90



On-site mixed concrete – 3D concrete printing

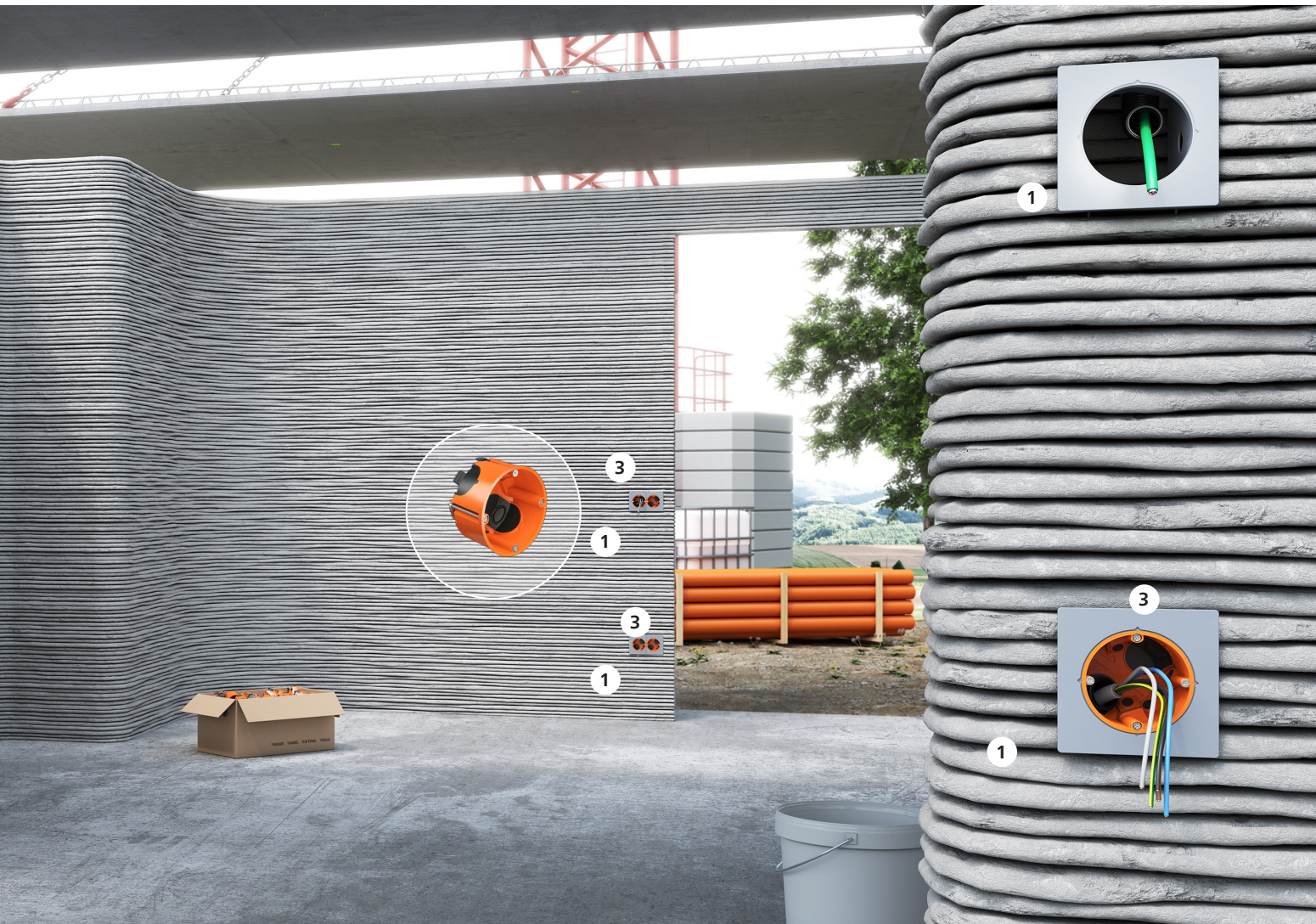
As buildings are now almost exclusively planned digitally, it is only logical that computers are also increasingly being used in construction itself. Following the development of 3D printing technology and the first constructions in the USA around ten years ago, as well as major advances in this technology, demand for printed houses is now also emerging in Europe.

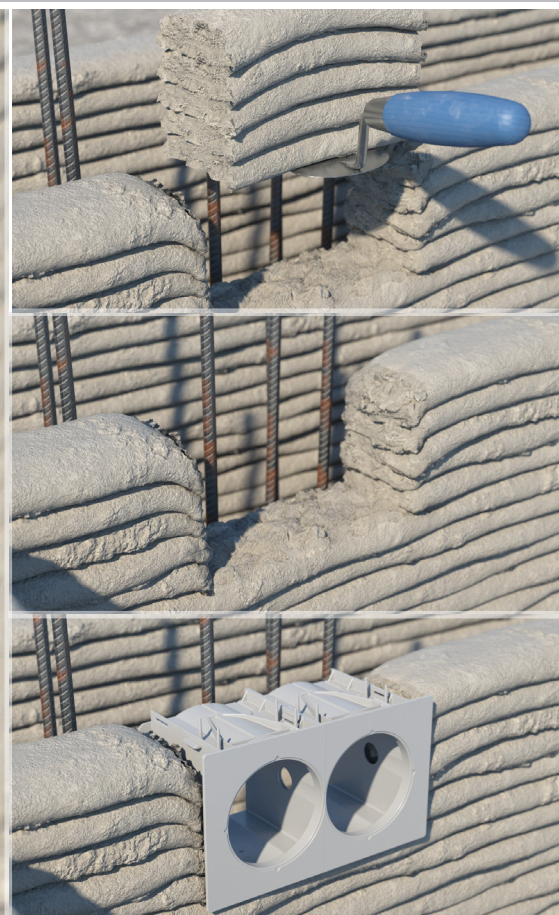
In 3D printing, layers are additively applied on top of each other to produce the element, which is digitally planned in every detail. To build the house, a portal is erected on the construction site, from which – almost like an inkjet printer – a computer-controlled print head with two axes applies strips of concrete to a previously constructed floor slab, raising the outer and inner walls in layers. In doing so, openings for doors, windows and electrical boxes are made exactly according to the design plans.

The new **installation housings for 3D concrete printing** are then inserted into these openings during the 3D concrete printing process.

- 1 Installation housing for 3D concrete printing
- 2 O-range ECON® Data one-gang connection box
- 3 O-range ECON® 63 one-gang box
- 4 O-range® 64 one-gang junction box
- 5 O-range ECON® conduit one-gang junction box







Installation housing for 3D concrete printing. Installation solution for innovative construction methods.

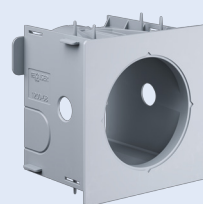
The new **3D concrete printing installation housing** acts as an innovative placeholder during production using 3D printing technology, providing a secure basis for subsequent clean and fast electrical installation.

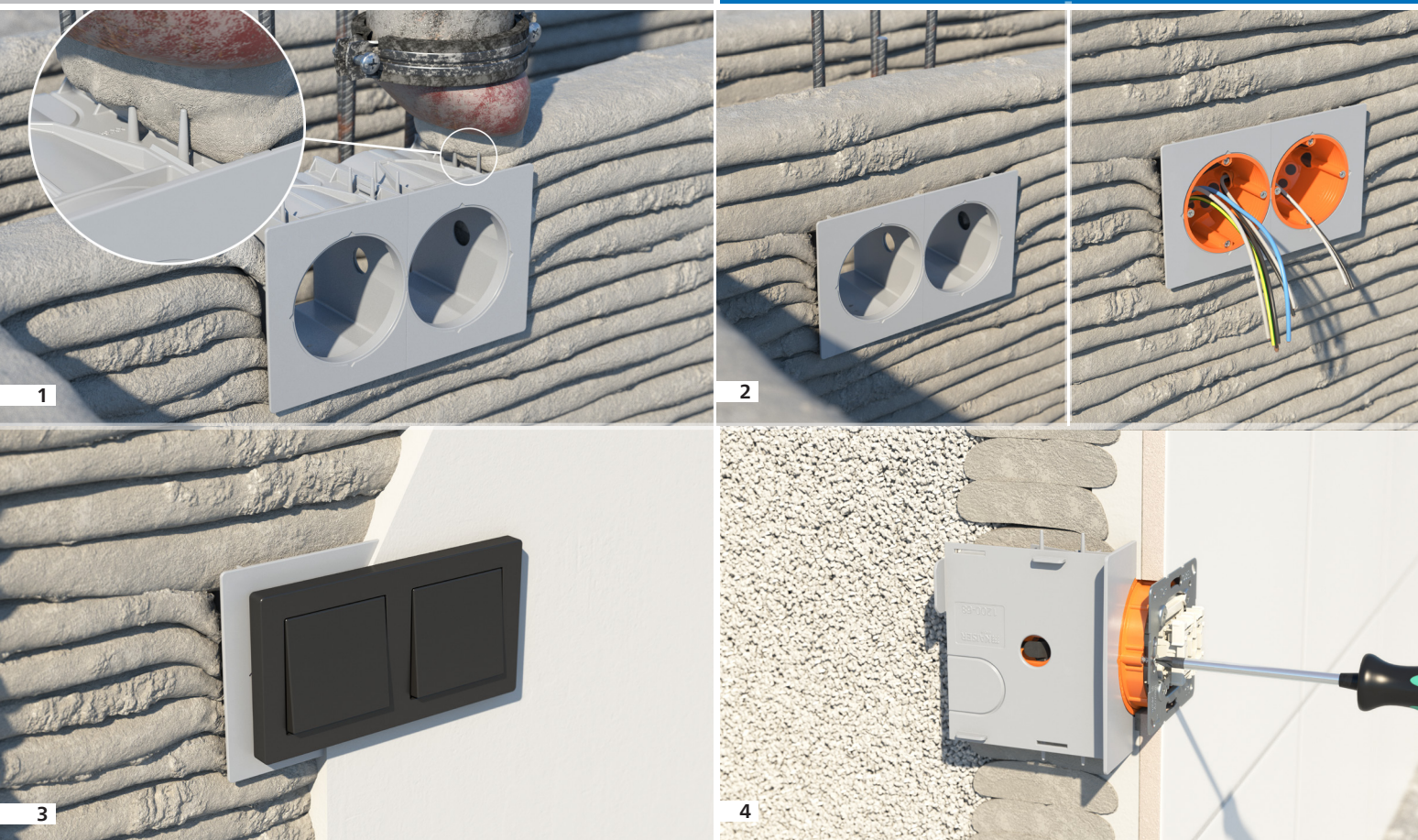
The dimensions of the rectangular installation housing (100 x 100 x 87 mm) are cut to the usual layer width of 8 cm and are fixed in the layer with five low-lying concrete supports at the top and bottom, thus providing a permanently secure fit in the wall. A slot for a small optional spirit level with two vials is used for precise and fast alignment during the production process. The 68 mm diameter installation opening of the housing facilitates the subsequent installation of the KAISER cavity wall boxes thanks to countersinking and alignment markings. Lateral junction contours are provided for multiple combinations, which also ensure the standardised centre distance of 71 mm. Coupling is achieved using support connectors.

Lateral conduit entries are used for feeding electric cables into single printed walls and can be opened without tools. A flat contact area, which can be customised for combinations using predetermined breaking points on the sides, ensures that the installation accessory rests neatly on the surface and that the required IP protection class is maintained.

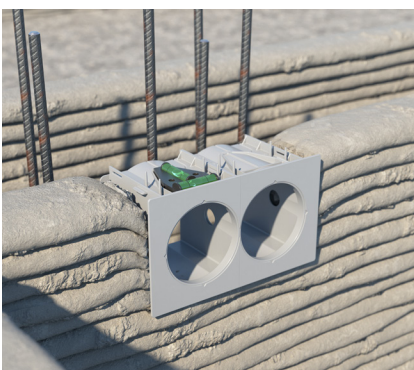
- Rectangular design, adapted to the layer thicknesses of the 3D concrete print
- Low-lying concrete supports
- Installation opening Ø 68 mm with countersinking as a base for KAISER cavity wall boxes
- Lateral junction contours and predetermined breaking points for combining several 'installation housings' with a standardised centre distance of 71 mm
- Slot for spirit level
- Lateral conduit entries
- Flat contact area for installation accessories

Installation housing for 3D concrete printing
Art. no. 1200-68





- 1 After cutting out the concrete layers and inserting the installation housing, the printing process can be continued. The low-lying concrete supports at the top and bottom provide a permanent, secure fit in the wall.
- 2 The 68 mm diameter installation opening of the frame facilitates the subsequent installation of the KAISER cavity wall boxes thanks to countersinking and alignment markings. Lateral junction contours are provided for multiple combinations, which also ensure the standardised centre distance of 71 mm.
- 3 A flat contact area, which can be customised for combinations using predetermined breaking points on the sides, ensures that the installation accessory rests neatly on the surface.
- 4 To comply with the IP protection class, the plaster compensation ring (Art. No. 9155-61 or -62) can be fitted for structural wall coverings > 10 mm.



A slot for a small optional **spirit level** with two vials is used for precise and fast alignment during the production process.



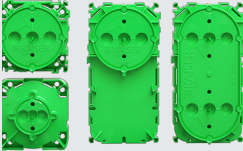
Note:

Due to the curing process of the concrete layers, only **horizontal combinations** are possible, as lower-laying layers have already cured and can no longer be processed. In order to implement the **standardised centre distance of 71 mm** for combinations, the contact area must be **cut off at the rear markings**.

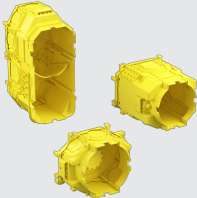
Electrical installation in concrete. At a glance.

The KAISER colour system.

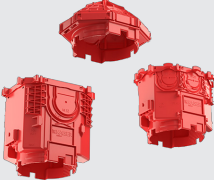
The different colours of the individual components make correct installations easier.



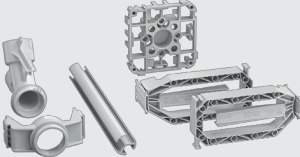
Green
Front parts for fixing to the formwork.



Yellow
Box and casing rear parts for wall installation.



Red
Box rear parts for ceiling installation.



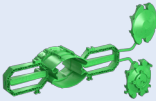
Grey
Intermediate parts and attachment accessories.

Installation in on-site mixed concrete.

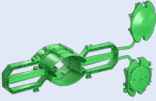
www.kaiser-elektro.org/ortbeton



Concrete construction boxes for fixing to the reinforcement

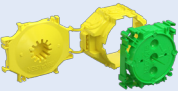


Prefix® 60
1211-01 | p.17

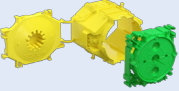


Prefix® 35
1211-02 | p.17

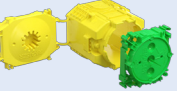
Installation in walls



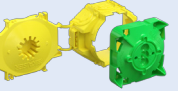
B¹ one-gang box
1255-01 | p.9



B¹ one-gang junction box
1265-01 | p.9



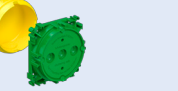
B¹ large conduit one-gang junction box
1260-01 | p.9



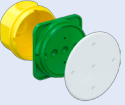
B¹ wall light connection box
1248-01 | p.9



B¹ Universal wall exit
1248-03 | p.9



One-gang box
1255-43



Junction box
1276-70



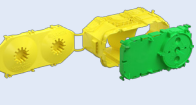
Junction box
1276-71



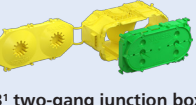
One-gang box PERILEX®
1276-40



One-gang box CEE
1275-40

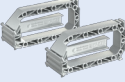


B¹ electronics box
1268-01 | p.9



B¹ two-gang junction box
1269-01 | p.9

Accessories



B¹ Prefix®-system wing set
1211-00 | p.9



Counter bearing for adhesive foil
1205-02



Counter bearing
1210-02



Support element Ø 20 mm
1212-...



Adhesive foil
1219-00



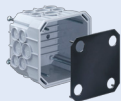
Distance piece 91
1259-04 | p.9

Installation in on-site mixed concrete.

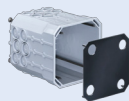
Junction casings



Junction casing
115 x 115 x 76 mm
9909.01



Junction casing
115 x 115 x 101 mm
9908.01



Junction casing
115 x 115 x 150 mm
9908.21



Junction casing
115 x 115 x 105 mm
9907



Junction casing
128 x 128 x 80 mm
1295-02 | p.11



Junction casing
180 x 180 x 82 mm
1296-02 | p.11



Junction casing
250 x 220 x 82 mm
1297-02 | p.11

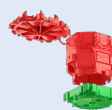


Equipotential bonding casing
250 x 220 x 82 mm
1297-75

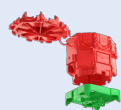


Equipotential bonding casing
128 x 128 x 80 mm
1295-73

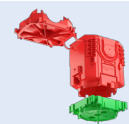
Installation in ceilings



B¹ ceiling junction box
1265-11 | p.13



B¹ ceiling junction box
1265-12 | p.13



B¹ large conduit ceiling junction box
1260-11 | p.13



B¹ universal ceiling exit 45°
1249-13 | p.13



B¹ universal ceiling exit
1265-13 | p.13



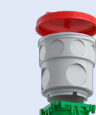
Ceiling exit
9955 | p.17



B¹ domed box 45°
1249-11 | p.13



B¹ domed box 45°
1249-12 | p.13



Large slab ceiling box 115
1227-50 | p.13



Slab ceiling box for retrofitting
1247-01 | p.13



Universal ceiling and wall exit
9959 | p.13



Ceiling junction box
1245-63



Ceiling junction box
1245-62



Light hook
1225-.../1226-... | p.13

Wall and ceiling transitions



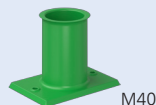
End and transition bush
1204-24 | p.13



End and transition bush
1204-34 | p.13



End and transition bush
1204-29 | p.13



End and transition bush
1203-28 | p.13



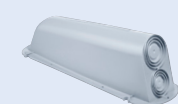
Wall and ceiling elbow
1202-04 | p.13



Wall and ceiling elbow
1202-34 | p.13



Wall and ceiling elbow
1202-29 | p.13



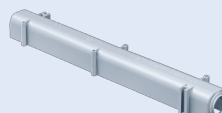
Ceiling strip
4552 | p.13



Ceiling strip (Ceiling exit)
1283-33 | p.13



Ceiling strip (Ceiling exit)
1283-34 | p.13



Formwork protection
4558 | p.13



Speedy formwork protection
4551 | p.13



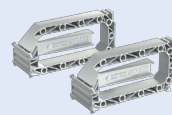
B¹ Prefix® wall exit adapter
1211-20 | p.13



B¹ Prefix® wall exit adapter
1211-25 | p.13



B¹ Prefix® wall exit adapter
1211-32 | p.13

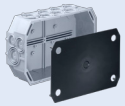


B¹ Prefix® system wing set
1211-00 | p.13

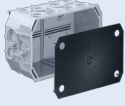


Wire-pull casings.

Wire-pull casings



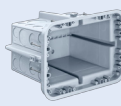
Wire-pull and junction casings
175 x 120 x 64 mm
9912.01



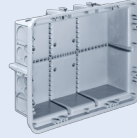
Wire-pull and junction casings
170 x 115 x 95 mm
9911.01



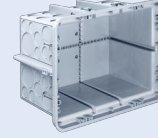
Wire-pull casing⁴
250 x 180 x 120 mm
9916 | p.21



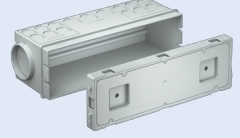
Wire-pull casing⁴
250 x 180 x 185 mm
9916.21 | p.21



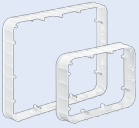
Wire-pull casing⁴
400 x 300 x 120 mm
9917 | p.21



Wire-pull casing⁴
400 x 300 x 220 mm
9917.21 | p.21



Central transition casing
326 x 104 x 118 mm
9914.10 | p.23



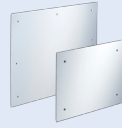
Extension piece
9917.68 /
9916.68 | p.21



Plaster cover
9917.06 /
9916.06 | p.21



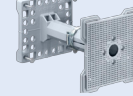
Screw-on cover
9917.02 /
9916.02 | p.21



Waterproof cover
9917.03 /
9916.03 | p.21



Prefix* wing set
9940.. | p.21



Telescope support
9957



Wire-pull casing
250 x 105 x 94mm
9914.01

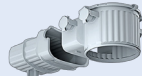


Installation housing for on-site mixed concrete.

Installation dimension up to Ø 100 mm



HaloX* 100 for on-site mixed concrete
1281-00 | p.24



HaloX* 100 wit tunnel 190 for on-site mixed concrete
1281-30 | p.24



HaloX* 100 multi-conduit entry
1281-15 | p.24



HaloX* 100 front parts
1281-01..07 | S25



HaloX* 100 front parts for square CE
1281-08/09 | p.25



HaloX* 100 front parts for facing concrete
1281-61..67 | p.25



HaloX* 100 front parts for square CE, for facing concrete
1281-68/69 | p.25



HaloX* 100 universal front part, plastic
1281-10 | p.25



HaloX* 100 universal front part, mineral fibreboard
1281-11 | p.25



HaloX* Styrofoam moulded parts
1292-90 | p.25



HaloX* 100 extension rings
1281-21/25/50 | p.24

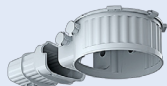


Prefix* installation set
1299-65 | p.24

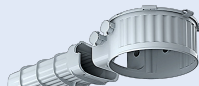
Installation dimension up to Ø 180 mm



HaloX* 180 for on-site mixed concrete
1282-00 | p.24



HaloX* 180 wit tunnel 190 for on-site mixed concrete
1282-30 | p.24



HaloX* 180 wit tunnel 325 for on-site mixed concrete
1282-40 | p.24



HaloX* 180 front parts
1282-01..06 | p.25



HaloX* 180 front parts for facing concrete
1282-61..66 | p.25



HaloX* 180 universal front part, plastic
1282-10 | p.25



HaloX* 180 universal front part, mineral fibreboard
1282-11 | p.24



HaloX* Styrofoam moulded parts
1292-90 | p.24



HaloX* 180 extension rings
1282-25/50 | p.24



Installation set for wall installation
1299-60..64 | p.24



Prefix* assembly kit
1299-66 | p.24



Signal cover Ø 68 mm
1281-31 | p.24



Signal cover Ø 75 mm
1281-32 | p.24



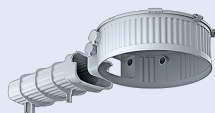
Signal cover Ø 80 mm
1281-33 | p.24

Installation housing for on-site mixed concrete.

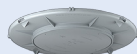
Installation dimension up to Ø 250 mm



HaloX® 250
for on-site mixed
concrete
1283-00 | p.45



HaloX® 250
wit tunnel 325 for
on-site mixed concrete
1283-40 | p.45



HaloX® 250 front parts
1283-01..06 | p.41



HaloX® 250 front parts
for facing concrete
1283-61..66 | p.41



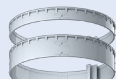
HaloX® 250 universal
front part, plastic
1283-10 | p.41



HaloX® 250 universal
front part, mineral
fibreboard
1283-11 | p.41



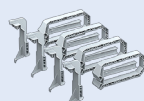
HaloX®
Styrofoam moulded
parts
1292-90 | p.41



HaloX® 250 extension
rings
1283-25/50 | p.45



Installation set for wall
installation
1299-60..64 | p.45



Prefix® assembly kit
1299-66 | p.45

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Universal installation housing.



Universal
installation housing
90 x 90 x 70mm
1223-22 | p.35



Universal
installation housing
150 x 90 x 70mm
1224-22 | p.35



Universal
installation housing
128 x 128 x 86mm
1295-22 | p.35



Universal
installation housing
180 x 180 x 90mm
1296-22 | p.35



Universal
installation housing
250 x 220 x 90 mm
1297-22 | p.35



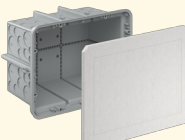
Universal
installation housing
258 x 188 x 135mm
1298-37 | p.35



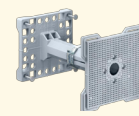
Universal
installation housing
258 x 188 x 200mm
1298-38 | p.35



Universal
installation housing
408 x 308 x 135mm
1297-34 | p.35



Universal
installation housing
408 x 308 x 235mm
1297-35 | p.35



Telescope support
9957

Installation housings for retrofitting.

Installation dimension up to Ø 100 mm



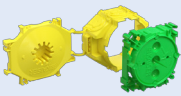
HaloX® 100
installation kit
1281-20 | p.30



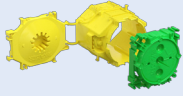
HaloX® housing for core drillings
in solid ceilings
1290-30 | p.31

Facing concrete.

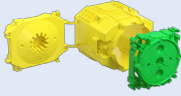
Installation in walls



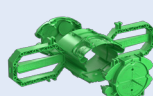
B¹ one-gang box
1255-01 | p.37



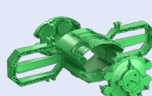
B¹ one-gang junction box
1265-01 | p.37



B¹ large conduit one-gang junction box
1260-01 | p.37

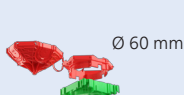


Prefix® 60
1211-01 | p.37



Prefix® 35
1211-02 | p.37

Installation in ceilings



B¹ domed box 45°
1249-11 | p.37



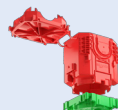
B¹ domed box 45°
1249-12 | p.37



B¹ ceiling junction box
1265-11 | p.37



B¹ ceiling junction box
1265-12 | p.37



B¹ large conduit ceiling junction box
1260-11 | p.37

Wall and ceiling transitions



End and transition bush
1204-24 | p.37



End and transition bush
1204-34 | p.37



End and transition bush
1204-29 | p.37



Wall and ceiling elbow
1202-04 | p.37



Wall and ceiling elbow
1202-34 | p.37

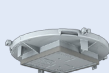


Wall and ceiling elbow
1202-29 | p.37

Installation housings



HaloX® 100/180/250 front parts for facing concrete
1281-61..67 / 1282-61..66 / 1283-61..66 | p.37



HaloX® 100 front parts, square for facing concrete
1281-68/69 | p.37



HaloX® Styrofoam moulded parts for facing concrete
1292-90 | p.37

Installation in concrete.

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Tools



Universal-opening cutter
Art. no. 1085-80 | p.31



Punch pliers
Art. no. 1286-33



Punch pliers
Art. no. 1286-34



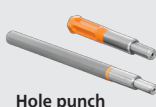
AMZ 2 stripping pliers
Art. no. 1190-02



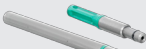
Reamer
Art. no. 1284-34/35/36



Step drill
Art. no. 1284-32 | p.35



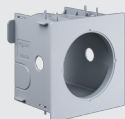
Hole punch and expanding dowel fitting tool
Art. no. 1284-62/63



Nail inserter
Art. no. 1284-69/68

3D concrete printing.

Installation housing



Installation housing for 3D concrete printing
Art. no. 1200-68



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The most important websites at a glance:

www.kaiser-elektro.de

www.youtube.com/kaiserelektro

kaiser.partcommunity.com

www.ausschreiben.de

www.eplandataportal.de/agro

www.kaiser-elektro.org/elbridge

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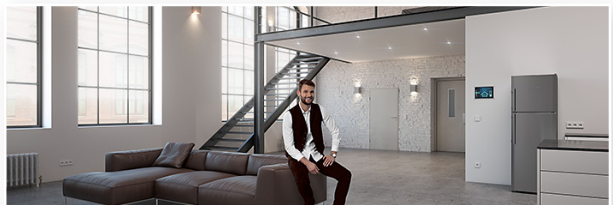
Radiation protection.

The use of the new radiation-protection one-gang boxes allows the radiation protection of the wall to be maintained without additional shielding measures.



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For additional questions or information, our team of technical consultants will be happy to assist you and look forward to talking to you: **+49 (0) 23 55 / 809-61 • technik@kaiser-elektro.de**

KAISER GmbH & Co. KG

Ramsloh 4 · 58579 Schalksmühle GERMANY
Tel.+49(0)2355.809.0 · Fax+49(0)2355.809.21
www.kaiser-elektro.de · info@kaiser-elektro.de