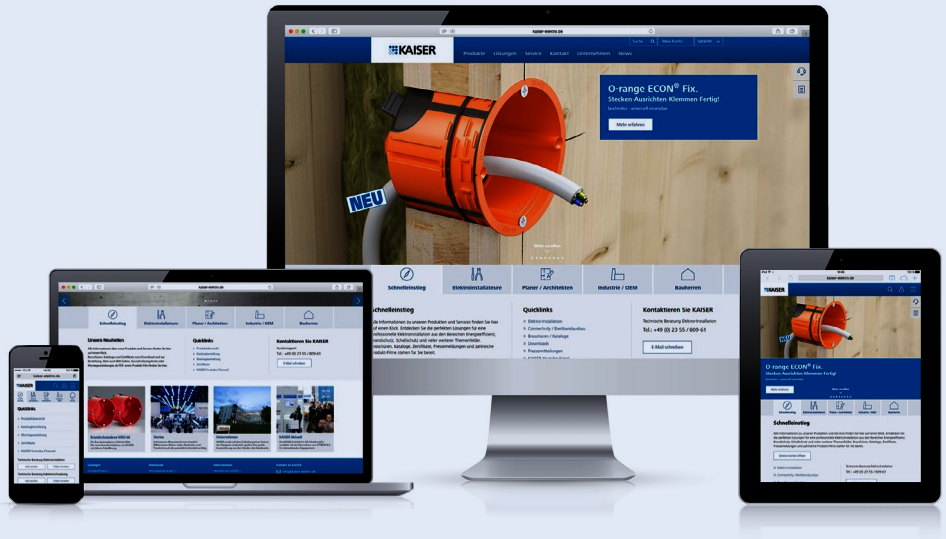
INNOVATIONS IN 2021.

Have fun installing!

KAISER



Service. The easy way.

KAISER's innovative brand products stand out thanks to the product-oriented service that comes with them. This allows both you and your customers to take advantage of all the benefits they offer.

In simple and intuitive videos, we explain all the benefits of our products and processes. A clever product filter in the online catalogue on **www.kaiser-elektro.de** assists you in making the right product choice. Tender and specifications, CAD data and BIM data make professional planning easy for you.

- **Online product catalogue with many functions for everyday tasks**
- **Download and request brochures, catalogues, installation instructions and much more**
- **Information about seminars, trade fairs and events**
- **Technical application advice**
- **Sales and service numbers**
- **Sources of supply**
- **Article master data and prices**
- **Tenders**
- **BIM data**
- **CAD data**

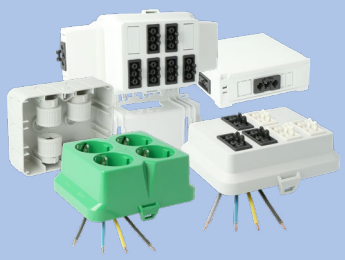
You can also find our products in our current **KAISER catalogue** and **manuals** as well as in our **information brochures**.

Exciting news on all media platforms.

We provide you with exciting news on an ongoing basis in the KAISER newsletter and on our social media platforms. Here you can find out everything about products, event information and insights into our company.

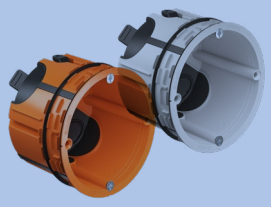
QR codes give you quick, convenient access to informative films.

Innovations in 2021 at a glance.

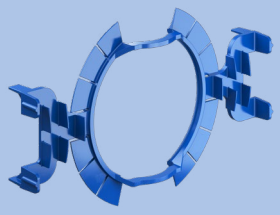


Pluggable installation

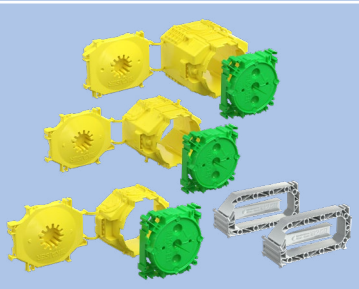
HWD 90 One-gang box | 9463-01
HWD 90 One-gang junction box | 9464-01
HWD 90 Electronics box | 9462-94



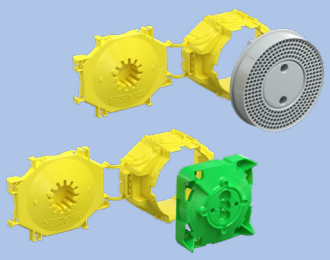
One-gang junction box
O-range ECON® Fix
9264-12/-72



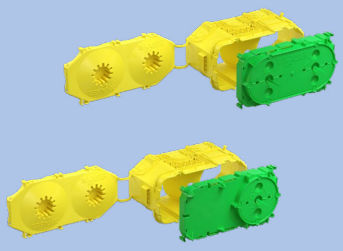
KLEMMFIX®
1159-03



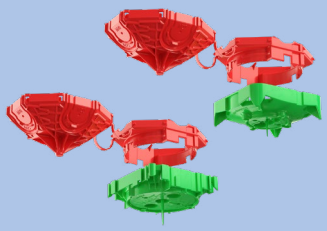
B1 One-gang boxes / One-gang junction boxes | 1255-01 | 1265-01 | 1260-01
B1 Prefix® system wing set | 1211-00



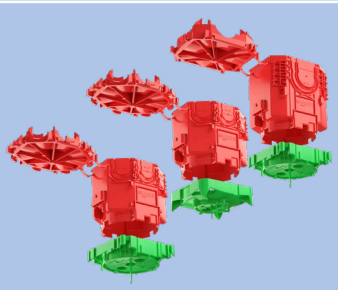
B1 Wall light connection box | 1248-01
B1 Universal wall exit | 1248-03



B1 Electronics box | 1268-01
B1 Two-gang junction boxes | 1269-01

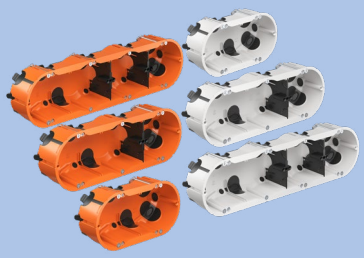


B1 45° domed box
1249-11/-12

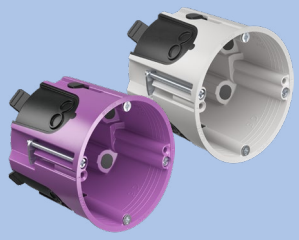


B1 Ceiling junction boxes
1265-11 | 1265-12 | 1260-11

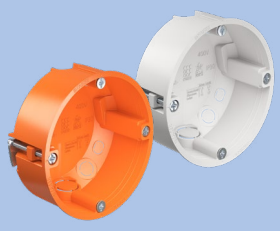
B1 Universal ceiling exits
1249-13 | 1265-13



O-range ECON® multiple boxes 2 / 3 / 4
9252-22/-78 | 9253-22/-78 | 9254-22/-78

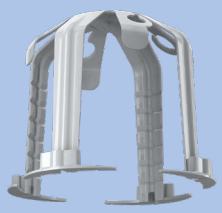


Connection junction box
O-range ECON® data
9280-22/-78

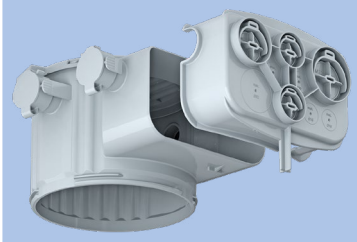


O-range® one-gang box
for thin boardings
9061-01/-78

68 Flex sound-insulation electronics box
9068-94



Spacer
9310-10



HaloX® 100 multi-conduit entry
1281-15

One-gang junction box ECON® Iso +
1159-55

Air-tight flush-mounting boxes
with ECON® multi-membrane
1056-21 | 1556-21 | 1068-21 | 1656-21

IP68BOX outdoor installation set
2521

Progress® multiLAYER
F1000.4.xx | F1100.4.xx | 15xx.4.xx

Pluggable installation.
Time saving and flexible.

New solution from KAISER

Pre-assembled components and systems are in demand as a solution for planning and installation, especially for efficient, on-time construction.

Thus, a time-consuming, cost-intensive electrical installation on the construction site can be economically optimized by pre-assembled, pluggable systems.

The specialist planner or electrical installer plans the installation using modular components and cables that are individually pre-assembled in their own workshop or at the manufacturer's premises. At the construction site, these only have to be assembled for commissioning according to the specified plan. This enables time savings of up to 70% at the construction site. And if schedules are tight, selected system partners from the electrical trade can be deployed on site as required.

A pluggable installation simultaneously increases the safety, accuracy and transparency of the installation. Time overlaps with other trades can be coordinated more easily and more reliably.

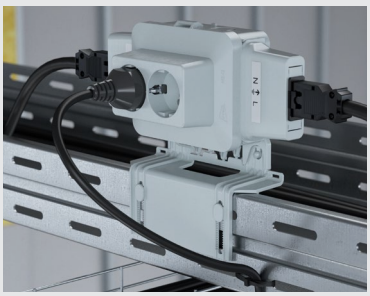
This type of planning also enables a very efficient subsequent adjustment of the installation in the event of the expansion or redesign of the usable areas, even during operation. This in turn leads to savings effects for the operator and tenant throughout the entire building life cycle.

The pluggable installation from KAISER provides safe solutions with which every installation task can be perfectly mastered.

Further information can be found in the new brochure **"Pluggable Installation from KAISER"**.

Product video

Connection-ready distribution box for cable support systems.
AK2 100% pluggable.



The **"AK2 100% pluggable distribution box"** accelerates the electrical installation in interaction with a wide variety of cable support systems from different manufacturers. It does not matter whether it is a cable tray or mesh cable tray – the AK2 always fits. It is delivered to the construction site as a completely assembled unit ready for connection. Here, only the pre-assembled cables need to be plugged in according to the plan.

Universally combinable housing for cable support systems.
AK2 modular system.

The **AK2 modular system** can cover a wide range of applications, as it offers the right solution for all installation tasks.

The **AK2 modular system** consists of a basic housing, front part and attachment accessories in numerous variants. This allows individually configured housings to be assembled for pluggable electrical installations.

When things get tight.
Compact PD and Multi-PD distribution boxes.

The **compact PD distribution boxes** for connector systems really show off their advantages especially well in electrical installations in confined spaces, such as in raised floors, underfloor systems or suspended ceilings. Thanks to their compact design and low overall height, they cut a slim figure even where space is limited.
The **distribution boxes in the compact Multi-PD** series can be mechanically connected to each other.

Cleverly tested and pre-assembled.
O-range® for the electrical trade.

Well-known manufacturers with products in the areas of classic electrical installation, such as switches and sockets, but also intelligent building control, already offer ready-made assemblies. These are then only connected on site via the prefabricated plug-in connection and the entire assembly is fixed in the wall with the lug screws for the cavity wall box.

HWD 90 fire-protection boxes.

Now also available for timber panel and timber frame construction.

Since the first fire-protection box for fire-protection walls was launched in 2006, its range of applications has been continually expanded.
HWD 90 fire-protection boxes are now also approved for timber walls in timber frame or timber panel construction. They maintain the fire protection properties of the wall with a fire-resistance duration of **F30-B** and **F60-B**.

Type approvals
Z-19.21-1788
Z-19.21-2064

ETA-18/0091

Product video

Lug-free!

O-range ECON® Fix.

Plug - Align - Clamp - Done!

O-range ECON® Fix. Mounted without lugs. Fast and secure.

With the new O-range ECON® Fix one-gang junction box, installation is significantly faster and easier thanks to the lug-free clamping ribs for fastening in various wall material combinations, such as OSB boards, board plywood or solid wood, plasterboards or even in facing masonry. Circumferential sealing lamellas on two levels guarantee that the airtight level is maintained. The applied centring bars enable precise, convenient mounting of the one-gang junction box in the installation opening without canting.

OSB

Board plywood/ solid wood

Plasterboard*

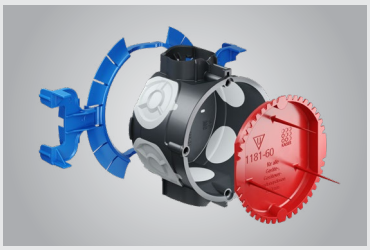
Facing masonry

Product video

* Not suitable for plasterboard!

You can forget about plastering!
Plaster-free assembly with KLEMMFIX®.

The **KLEMMFIX® system** saves up to 50% installation time compared to the conventional installation of KAISER flush-mounting boxes with plaster. KLEMMFIX® fixes the box securely in the wall before plastering and holds it in position. No plaster, quick cement or similar is required. You no longer need to clean your tools after use. Potential health hazards caused by the use of chemicals are avoided. Storage conditions, such as frost, heat, shelf life, etc. do not have to be taken into account either.

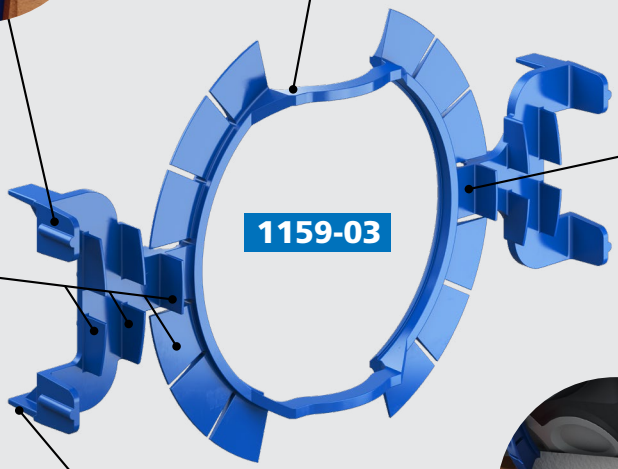


THE BLUE KLEMMFIX® **NOW ALSO FOR STONES WITH CHAMBERS.**

Tailored to the exact application with KAISER flush-mounting boxes.

Depth stop to ensure the minimum plaster thickness.

Fixing with lamellar ring and ribs on several levels for secure fixation in all stones.



Occurring forces are diverted to the KLEMMFIX®. The box stays in shape.

Vertically perforated brick*

Cellular concrete

Lightweight concrete

Lime sand brick

The plaster penetrates up to the lamella ring, thus ensuring a secure, permanent fixing of the box.

Occurring forces are derived from the circumference of the flush-mounting box.

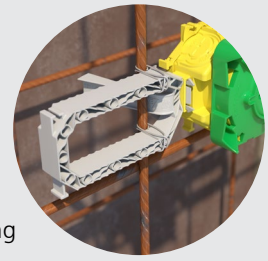
Product video

* Vertically perforated bricks with and without filling, solid bricks

B1 The new standard in on-site mixed concrete.

Stably combined on front part and box body

All B[1] wall applications have 2 stable slots for Prefix® system wings

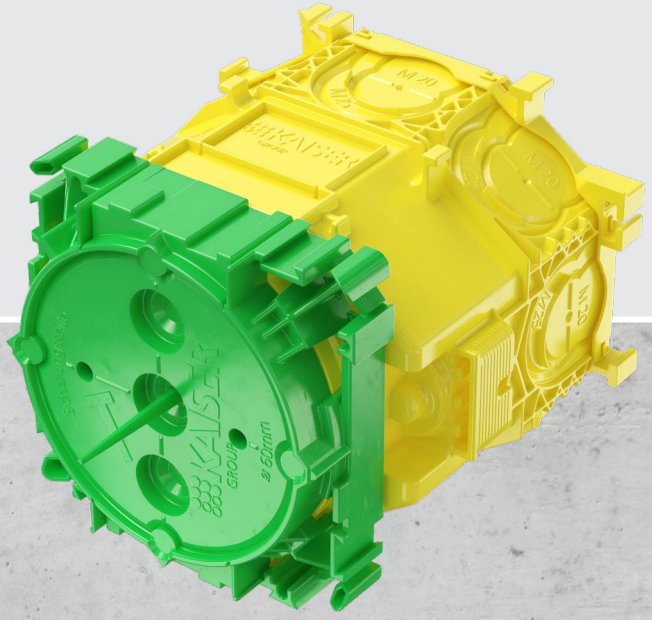


Simple insertion and inter-laying of commercially available conduits

Innovative conduit opening

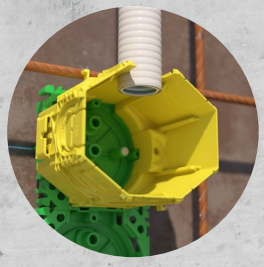
Product video

The first choice for **mounting** ...

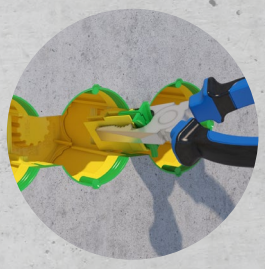


... and **installation**.

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



Large mounting and installation space



Bridges are easy to break out

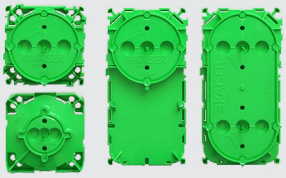
Installation of pre-wired sockets

Product video

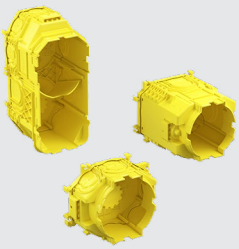
The KAISER colour system.

The different colours of the individual components facilitate correct assembly.

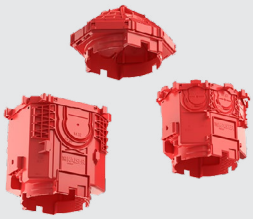
Green
Front parts for fixing to the formwork.



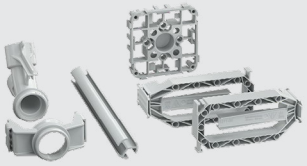
Yellow
Box and casing rear parts for wall installation.



Red
Box rear parts for ceiling installation.



Grey
Intermediate parts and attachment accessories.



Installation in on-site mixed concrete

The KAISER concrete construction system for all concreting methods and types of construction. It offers an extensive programme with numerous wall and ceiling boxes as well as practical solutions for wall to ceiling transitions.

1 B¹ universal ceiling exit
2 B¹ ceiling junction box
3 B¹ one-gang box, B¹ Prefix® system wing set
4 B¹ large conduit ceiling junction box
5 B¹ large conduit one-gang junction box, B¹Prefix® system wing set
6 B¹ one-gang junction box, abutment, support element Ø 20 mm
7 Wall and ceiling transitions 30°, B¹ Prefix® system wing set, B¹ Prefix® wall outlet adapter Ø 25 mm

O·range®
The new cavity wall box!

Variable: combination entry for cable and M20/M25 conduit for easy breakout

Flexible: 90° conduit entry angle

Secure: device screws with plus-minus drive

Compatible: uniform support connector for standard and ECON® boxes

O·range ECON®
Innovative opening technology!

Product video

Innovative opening tab: guaranteed permanently air-tight

Practical: conduit entries up to M25 in all ECON® boxes

Safe: air-tight, cable retention and self-locking conduits

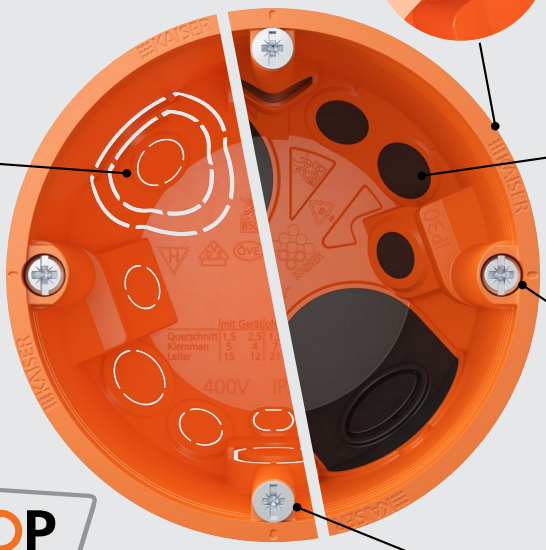
Helpful: labelling on the membrane

Fast: FX4 screws

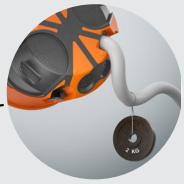
Only with us! Combination entry for cables and conduits:
practical selection of diameters with optimum arrangement. Permanently tight fit - thanks to cable retention according to DIN EN 60670!

The simplest opening technology

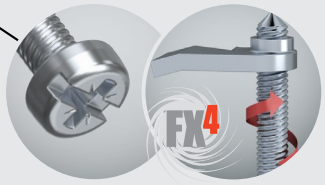
Visible brand quality - original KAISER!



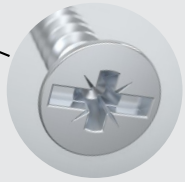
Cable entries:
Six cable entries - secure fit thanks to cable retention.



FX4 lug screws:
The fastest screw fastening for cavity wall boxes there is!



The opening tab:
Toolless: new opening technology for defined opening of the conduit membrane - guaranteed permanently air-tight!



Device screws:
with plus-minus drive!

No matter which screwdriver you have at hand, it will fit!

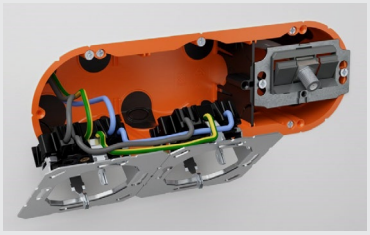
Enlarged conduit entries up to M25

Labelling for conduits and cables: clear and unmistakable assignment of cable and conduit to all entry openings!

Round support connector:
easy to connect**!** Now uniform for all KAISER O-range® cavity wall boxes!

Grandiose
More scope for installation

O-range ECON® 2 / 3 / 4 multi-boxes

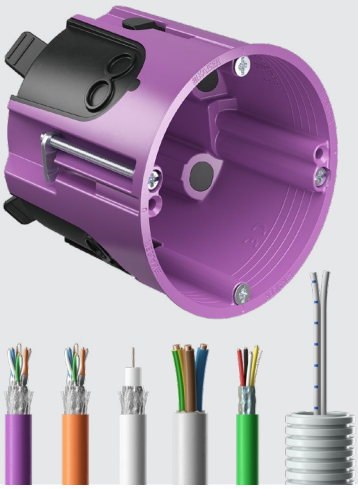


KAISER offers the perfect foundation and ease-of-use for the installation of all common installation accessories in multi-combinations with the new air-tight **O-range ECON® 2 / 3 / 4 one-gang junction boxes**.

Product video

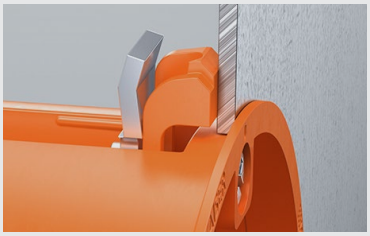
O-range ECON® Data
The new standard for data and network installations!

With the new air-tight **O-range ECON® Data one-gang connection box**, KAISER offers unprecedented ease of installation for connecting and installing communication and network connection boxes.



Product video

35 mm installation depth and zero tension technology.
O-range® one-gang box for thin boardings.



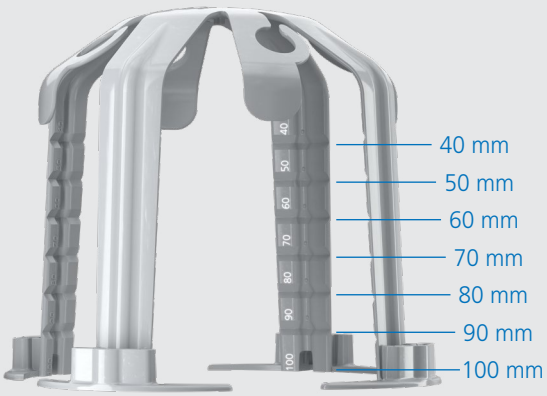
Due to the low installation depth of 35 mm, the one-gang box is ideally suited for installation in cavity walls with a small cavity wall. Furthermore, the one-gang box can be firmly fixed in wall systems with thin boarding due to its zero tension technology.

Sound insulation with additional installation space.
68 Flex sound-insulation electronics box.

Sound insulation value R'w to 68 dB

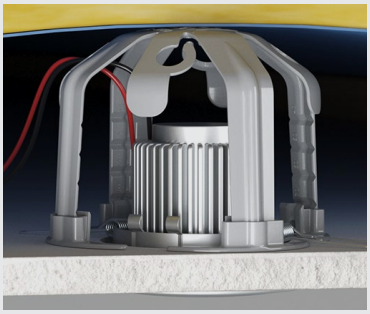
The **sound-absorbing 68 Flex sound-installation electronics box** is ideal for modernising or extending existing systems due to its fast assembly. The flexible tunnel makes it easy to install, and creates space for electronic components, cable reserves and terminals.

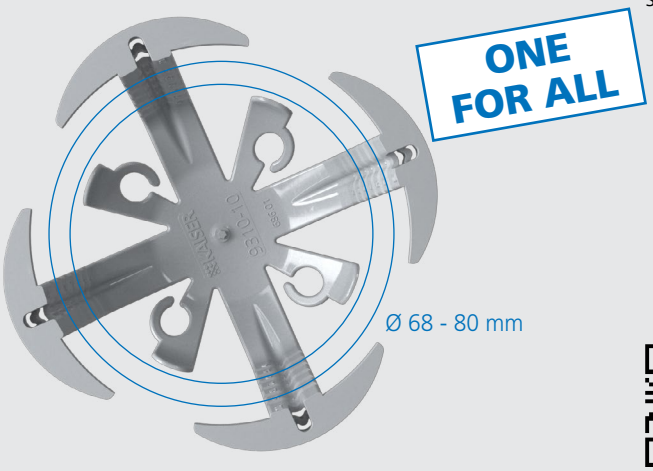
Product video



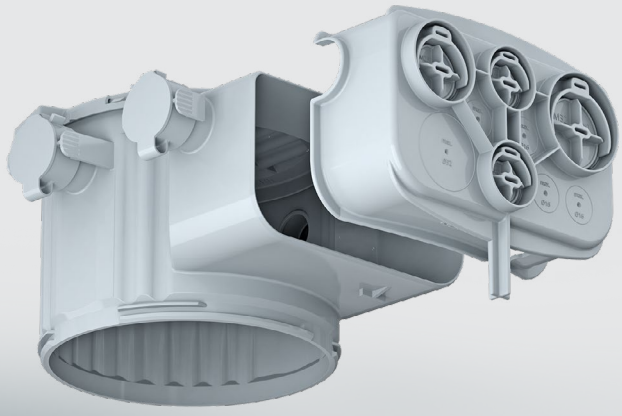
Variable in height and diameter. **Spacer.**

The **spacer** ensures the necessary spacing between the luminaire and the surrounding material. With an installation diameter between 68 and 80 mm and an adjustable height of 100 - 40 mm, it offers the greatest possible flexibility for every installation situation.



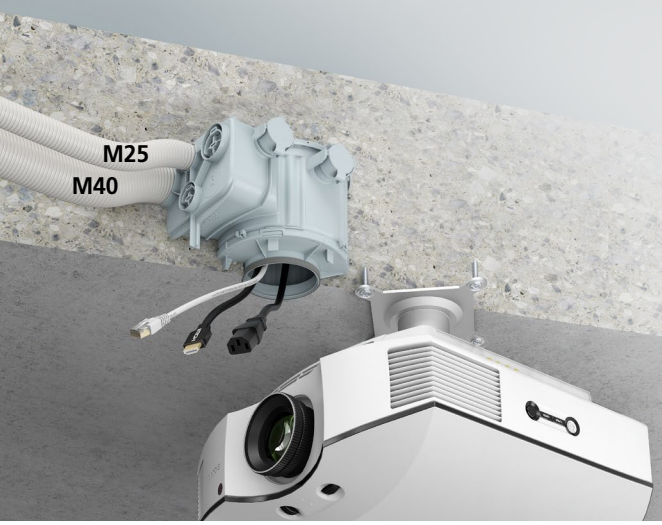


Product video



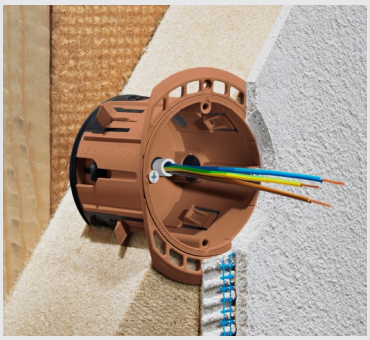
Installation housing for installation versatility in concrete. **HaloX® 100 multi-conduit entry.**

The HaloX® 100 multi-conduit entry offers optimal conditions for multimedia applications. Thanks to a variety of cable and conduit entry options up to M40, a wide range of supply cables up to pre-assembled connectors can be inserted.



Product video

For easy installation in wood fibre insulation boards. **ECON® Iso +**



The **ECON® Iso + one-gang junction box** is the solution for electrical installation work in wood fibre insulation boards. Four swivels, specially designed for use in solid thermal insulation and plaster base boards, ensure secure anchoring – also for retrofitting!

Product video

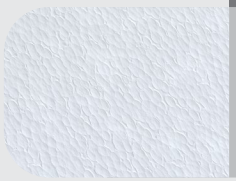
3 time award winner in 2019:

B+B Bauen im Bestand
Produkt des Jahres 2019
Sieger in der Kategorie Energetische Sanierung

PRODUKT 2019 DES JAHRES smarthouse

BAKA Award

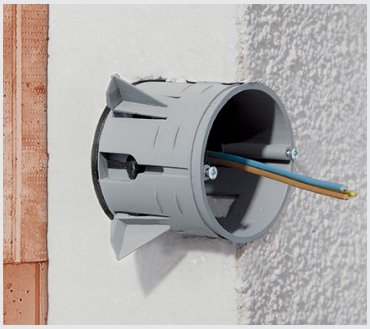
For mounting in **wood fibre insulation material** before and after plastering.



For retrofitting in a composite thermal insulation system (WDVS) with **synthetic insulation materials** (e.g. EPS).

The right solution for every external thermal insulation composite system

Secure anchoring without heat bridges. **ECON® Styro55.**



The **ECON® Styro55 one-gang junction box** enables retrofitting of installation accessories, such as sockets and switches in synthetic composite thermal insulation systems (WDVS). Fast, secure and without heat bridges. The box is inserted and fixed into position in just a few steps.

Product video

Multi-membrane for air-tight flush-mounting installation with **ECON® technology.**

Flush-mounting boxes with **ECON® technology** are ideal for use in masonry walls in which the interior plaster forms the air-tight closure on the room side. They ensure that no air flows take place between the cavities in the masonry and the interior of the residence for sockets and switches, which guarantees an air-tight installation. **ECON® flush-mounting boxes** offer a variety of options for air-tight conduit and cable entries and can be either plastered or processed using **KLEMMFIX®** (see page 7).

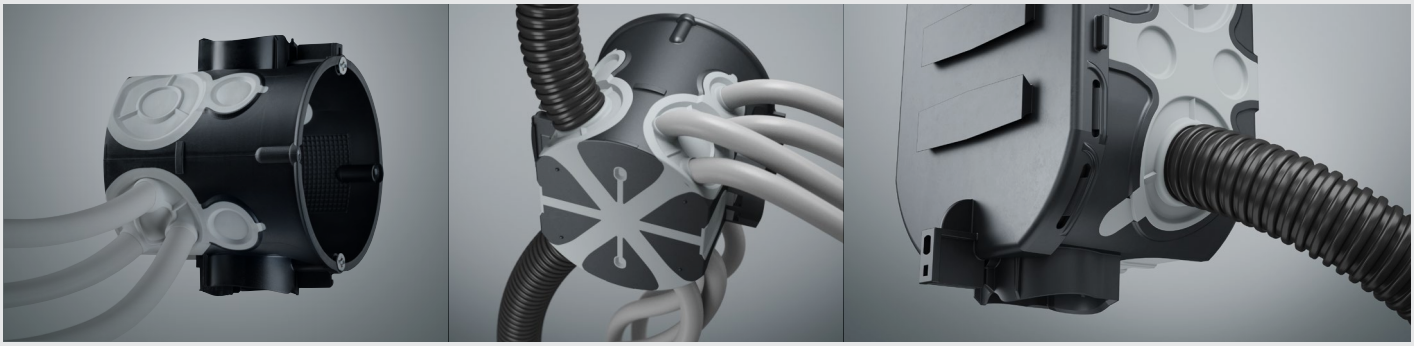
The elasticity of the sealing membrane guarantees that the membrane wraps itself around the conduit or cable during penetration so that air flows are eliminated.

Toolless cable and conduit entries using **ECON® technology** make installation work much easier and faster. When boxes are already plastered in, retrofitting cables and conduits is very easy.

Product video

The partitioning of the **ECON® multi membrane** prevents gaps and leaks when inserting several cables.

Installation conduits up to M25 can be inserted toolless and air-tight through the membrane.



Cable junction casing for particularly humid environments.
IP68BOX outdoor installation set.

The **IP68**BOX outdoor cable junction casing is filled with a 2-component PUR casting resin. This protects electrical connections in particularly humid environments. For example, in the ground or even under water. Ground vibrations caused by traffic have no influence on the long-term connection.

- Delivery as a complete set
- Quick and easy to work with
- Fast commissioning
- IP68

Unpack - Install - Done!

Product video

Universal cable gland with maximum clamping range.
Progress® multiLAYER.

The new multiLAYER sealing insert offers an extremely large clamping range and features integrated dust protection for the cable gland. The slotted version allows quick assembly of pre-assembled cables. The sealing insert uses Progress® compression technology and clamps cables gently and without causing necking.

Product video

In the new **"AGRO Cable Glands 5.0" catalogue**, you will find metal and plastic cable glands. Whether proven products or innovative new developments - here you will find the optimal, safe solution for all areas, such as Ex and EMC applications.

Systems and solutions for professional electrical installation work.

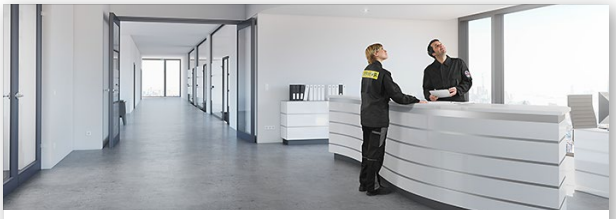
KAISER has been developing and producing systems and products as the basis for professional installation work since 1904. Planners and fitters all over the world use our practice-oriented solutions for their daily work in all installation areas.

Energy efficiency.

Innovative KAISER products support you in meeting the requirements of DIN 18015-5 and the new Building Energy Act (GEG 2020).

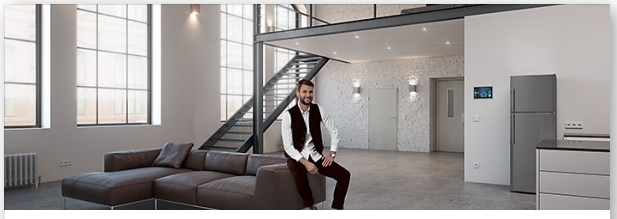
Radiation protection.

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



Fire protection.

KAISER fire-protection systems provide reliable solutions for electrical installations in fire-protection walls and ceilings.



Construction.

KAISER has matching product system solutions for safe, durable and practical use in redevelopment, renovation and modernisation projects.

Sound insulation.

KAISER's innovative sound insulation boxes ensure compliance with the construction requirements for sound insulation walls, also for built-in installations.

Concrete construction.

Complete systems for on-site mixed concrete and precast concrete. Fully optimised to professional electrical installation work.

Technical information and advice

All further information on products, system solutions and communication media can be found on our website:
www.kaiser-elektro.de

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)2355 80961** · **technik@kaiser-elektro.de**

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