

Installation housing for 3D concrete printing.

For optimum integration in the concrete printing process.

The perfect basis for **KAISER** cavity wall box installation.





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

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 major advances in this technology, demand for printed houses is now also emerging in Europe.

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

- Rectangular design, adapted to the layer thicknesses of the 3D concrete print
- Low-lying concrete supports
- Installation opening \varnothing 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

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 a house, a portal is erected on the construction site, from which a previously created floor slab is applied and outer and inner walls are raised 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



2



3



4

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.



In order to implement the standardised centre distance of 71 mm for combinations, the contact area must be cut off at the rear markings.

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.



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

Electrical installation for the production process involved in 3D printing. **At a glance.**

Installation housing for 3D concrete printing

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- Standardised combination distance of 71 mm
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NEW

Length x width x depth	100 x 100 x 87 mm
Number of parts	1
Art. No.	1200-68
Packaging inner/dispatch	- / 10

Product recommendation / accessories

www.kaiser-elektro.org/hohlwand



Ø 68 mm

O-range ECON® 63 one-gang box
Art. no.: 9263-22
O-range ECON® 64 one-gang
junction box Art. No.: 9264-22



Ø 68 mm

O-range ECON® conduit one-gang
junction box
Art. no.: 9266-22



Ø 68 mm

O-range ECON® Data
Art. no.: 9280-22



Straight coupling
Art. no.: 9060-98



Plaster compensation ring
Art. no.: 9155-61 / 9155-62



Sealing plug
Art. no.: 1040-16 / -20 / -25 / -32 / -40



All KAISER boxes and casings for cavity wall mounting as well as several accessory parts are available as halogen-free products. The identifying feature of these products is that they are available in white.

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:

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