

System Flat 45

for serially concrete room modules



NEW

System Flat 45

The new Flat 45 system makes electrical installation in modularised, industrially produced room systems simpler, more flexible and more economical. With its low installation depth of 45 mm, the Flat 45 one-gang, one-gang junction and wall light connection box is specially adapted for the factory production of complete modules with low wall thicknesses. For secure fixing to the formwork using expansion dowels, rivets and threaded screws, they have fixing options at the front and rear. Exact positioning on the reinforcement with support element on the rear abutment between the two formwork sides is made possible by special fixing and support elements with lateral connectors and support elements for wall thicknesses of 8 and 12 cm.

- Complete range consisting of one-gang box, one-gang junction box and wall light connection box
- System installation depth 45 mm
- Robust and concrete-tight article design
- One-gang junction box with generous lateral terminal compartment
- Can be stably combined over the complete box body with a standardised combination distance of 71 mm
- Easy installation of pre-wired installation accessories in multiple combinations using a bridge that can be broken off afterwards

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Application examples



By using the universal VDE cover (art. no. 1184-90), the Flat 45 system boxes can be used as junction boxes.



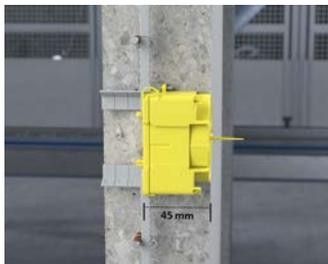
The central cable routing option of the universal waterproof cover (Art. No. 1174-99) allows surface-mounted luminaires to be connected safely.



Thanks to the conduit transition coupling \varnothing 32 mm (Art. No. 1263-32), the one-gang junction box Flat 45 can be used as a wallbox junction box in walls from 75-80 mm.



The wall light connection box Flat 45 provides space in walls from 50 mm for 3 connection terminals and corresponding cables or for the connection of a game light.



The Flat 45 fixing and support elements for wall thicknesses of 6 to 12 cm press the box front against the working formwork and ensure secure positioning.



The slots on the back of the Flat 45 system boxes are used in 50 mm walls to support the back of the box against the formwork and prevent the box from tilting when fixed on the back.



The signal bristle on the front parts of the Flat 45 system boxes clings to the formwork when it moves and keeps its position visible in the wall surface.



The robust design of the Flat 45 system boxes with a wall thickness of 2 mm keeps them safely in shape even under the highest loads.

One-gang box Flat 45

- For use in walls from 5 cm
- Attachment of the Flat 45 fixing and support elements by push-button connection
- 1-piece with moulded rear part
- Standardised combination distance 71 mm
- with 4 screw domes

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Product-Data

Length x Width x Depth	81 x 73,4 x 45 mm
Exit opening Ø	60 mm
Markings for wires and cables up to Ø 25 mm	6
Number of parts	1
	Yes
Art.-No.	1256-01
Inner packaging/shipping	- / 100

One-gang junction box Flat 45

- For use in walls from 5 cm
- With lateral terminal compartment
- Attachment of the Flat 45 fixing and support elements by push-button connection
- 1-piece with moulded rear part
- Standardised combination distance 71 mm
- with 4 screw domes

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Product-Data

Length x Width x Depth	106 x 73,4 x 45 mm
Exit opening Ø	60 mm
Markings for wires and cables up to Ø 25 mm	6
Number of parts	1
	Yes
Art.-No.	1266-01
Inner packaging/shipping	- / 100

Wall light connection box Flat 45

- For use in walls from 5 cm
- Attachment of the Flat 45 fixing and support elements by push-button connection
- 1-piece with moulded rear part

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Product-Data

Length x Width x Depth	81 x 73,4 x 45 mm
Exit opening Ø	35 mm
Markings for wires and cables up to Ø 25 mm	6
Number of parts	1
	Yes
Art.-No.	1246-01
Inner packaging/shipping	- / 100

Fixing and support element Flat

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Product-Data

- For wall thicknesses 8 cm and 12 cm
- Lateral outriggers for positioning and fixing to the reinforcement
- Rear support for bracing between the formworks
- Exact shortening to other wall thicknesses due to integrated dimension indication
- Attachment of the Flat 45 fixing and support elements by push-button connection
- Can be used for the following articles:
- One-gang box Flat 45 | Art. No. 1256-01
- One-gang junction box Flat 45 | Art. No. 1266-01
- Wall light connection box Flat 45 | Art. No. 1246-01



Length x Width x Depth	121,7 x 60 x 53 mm	121,7 x 60 x 93,3 mm
Number of parts	1	1
For wall thickness	8 cm	12 cm
Art.-No.	1256-08	1256-12
Inner packaging/shipping	- / 150	- / 100

Expanding dowel

- for quick fixing to steel formwork
- 1-piece in plastic
- for boxes, casings, bushes etc.
- drill hole size required \varnothing 5.5 mm



Diameter	5,5 mm
Art.-No.	1217-02
Inner packaging/shipping	500 / 2500

Magnet

- for clamp attachment in the box
- for anti-shock fixing of one-gang junction boxes in horizontal formwork
- Adhesive force of 900 N (90 kg)
- Magnet remains on the formwork table after formwork removal
- Centering device for correct positioning during automated production



Art.-No.	1261-81
Inner packaging/shipping	- / 5

International products

For international projects, we offer a large range of products that meet the relevant national standards and regulations.

- Dimensions and approvals based on national standards
- Suitable installation tools
- Many combination options



MD-CD80R centre ceiling box

- For in-factory installation
- Slot for system magnet (Art.-No. 1299-69) and system magnet PLUS (Art.-No. 1299-70)



Depth	85 mm
Exit opening Ø	80 mm
Combination conduit entry for conduits Ø 16 mm / Ø 19 mm	8
Height of the conduit entries	60 mm
Number of parts	2
Art.-No.	AT1032
Inner packaging/shipping	- / 54

MD-CD100R centre ceiling box

- For in-factory installation
- Slot for system magnet (Art.-No. 1299-69) and system magnet PLUS (Art.-No. 1299-70)



Depth	105 mm
Exit opening Ø	80 mm
Combination conduit entry for conduits Ø 16 mm / Ø 19 mm	8
Height of the conduit entries	80 mm
Number of parts	2
Art.-No.	AT1036
Inner packaging/shipping	- / 36