



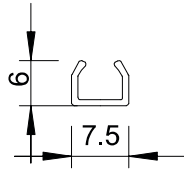
Building installations

Cable routing,
Devices,
Underfloor applications

Mini trunking

Mini trunking with adhesive film M7

PVC

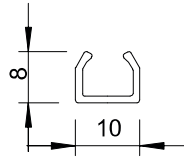


Type	Colour	Length mm	For cable Ø mm	Pack m	Weight kg/100 m	Item no.
WDKM7	Traffic white	2000	4-5.5	176	3.100	6150071

Mini trunking with adhesive.

Mini trunking with adhesive film M9

PVC



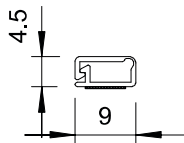
Type	Colour	Length mm	For cable Ø mm	Pack m	Weight kg/100 m	Item no.
WDKM9	Traffic white	2000	6-8	140	4.100	6150098

Mini trunking with adhesive.

Mini ducts with hinged lid

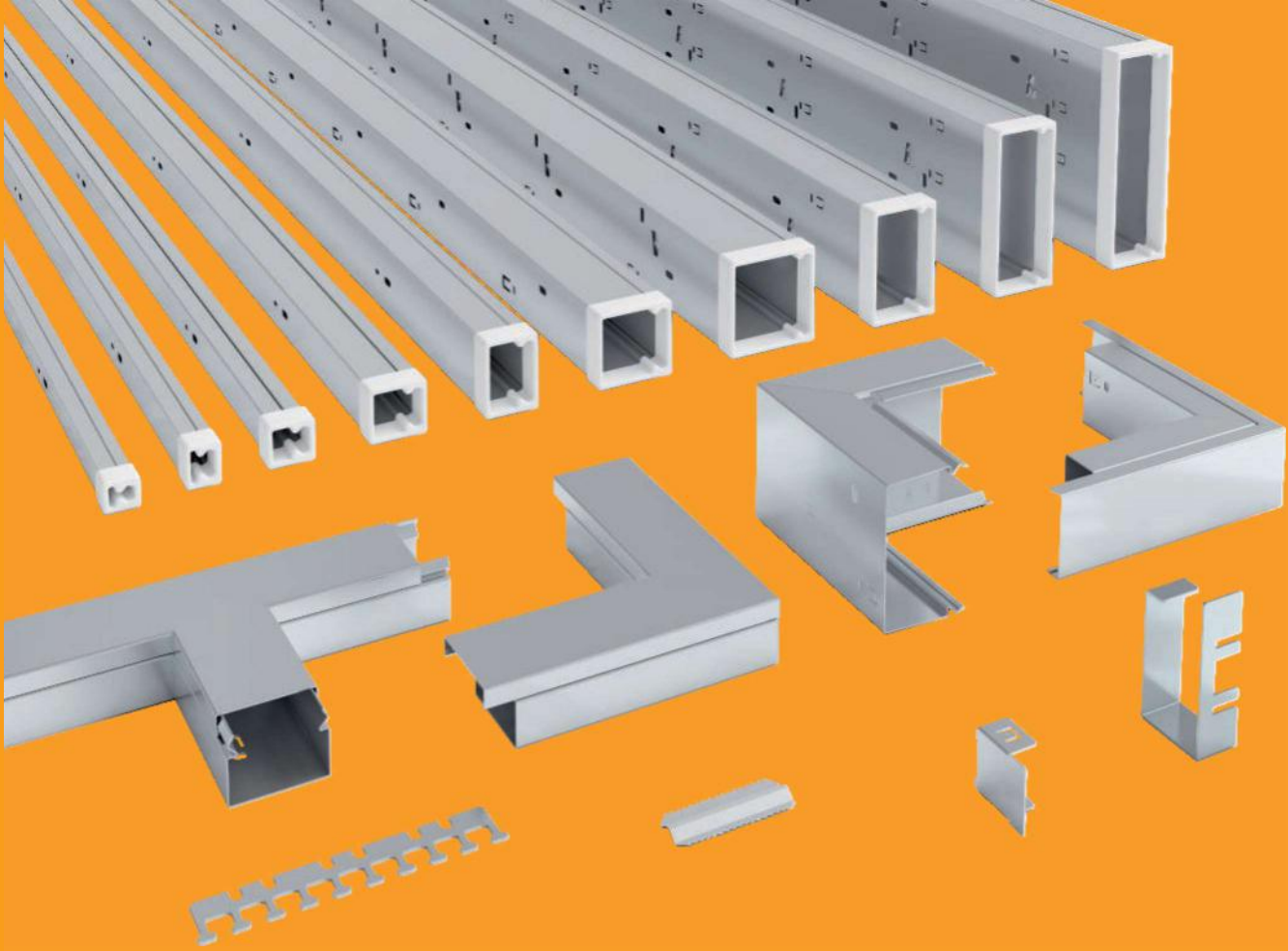
Mini trunking with adhesive film and hinged cover MD4

PVC



Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
WDKMD4RW	Pure white	2000	224	3.300	6150268

Mini trunking with adhesive film and hinged cover.



Reliable protection for cables

LKM cable ducts, metal

A wide range of practical mounting details make the LKM cable ducts a reliable partner during cable routing.



Partition



Duct clamp



Secure equipotential bonding



Cable clamp



Cable clamp

Maintenance of electrical function LKM cable routing ducts



S30

S60

S90

Cable routing with metal cable ducts, type LKM, is approved as a cable-specific routing type for the maintenance of electrical function classes E 30, E 60 and E 90 according to DIN 4102 Part 12. The ducts may be routed horizontally on the wall or under the ceiling and offer additional mechanical protection of the installed cables. This installation variant is also used if, for reasons of appearance, open routing of the cables with the maintenance of electrical function is not wanted. A retaining clamp is available as an installation aid for the duct type LKM60100. This prevents cables from falling out in the case of wall and ceiling mounting. When cable installation has been completed, the duct cover is locked onto the duct base.



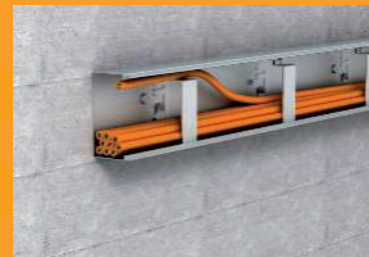
Horizontal wall and ceiling mounting.



Routing of power, data or fire alarm cables in the duct, type LKM60100.



Tidy routing of data and fire alarm cables in the duct, type 20030.



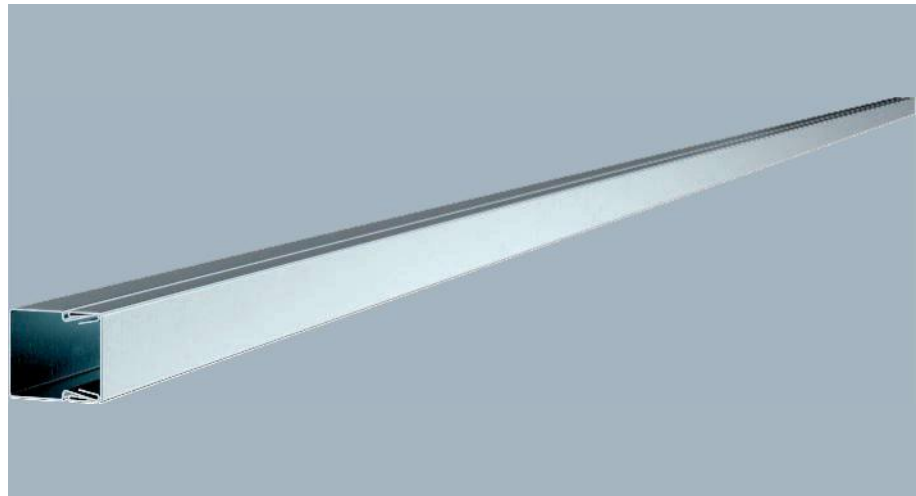
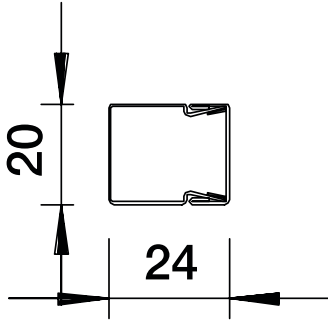
Retaining clamps locked into the base as installation aid for wall mounting.



Retaining clamps as mounting aid for the insertion of cables for ceiling mounting.

St FS

Cable trunking, type LKM 20020

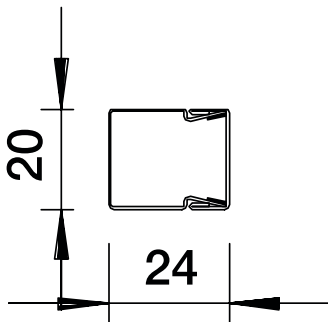


Trunking cover and base with base perforation.
Equipotential bonding is guaranteed between the cover and the base without any additional aids.

Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM20020FS	—	2000	32	46.000	6246966

St FSK

Cable trunking, type LKM 20020



Trunking cover and base with base perforation.
Equipotential bonding is guaranteed between the cover and the base without any additional aids.

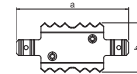
Type	Colour	Length mm	Pack m	Weight kg/100 m	Item no.
LKM20020RW	Pure white	2000	30	52.000	6248462

VA 2B

Joint connector LKM SV20

Type	Dim.		Pack Piece	Weight kg/100 pc.	Item no.
	a mm	b mm			
LKM SV20	45	19.7	10	0.190	6247431

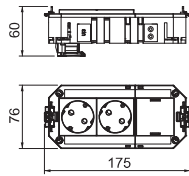
Joint connector to connect the bases. This creates the equipotential bonding between the trunking bases.



Ready-for-connection universal support



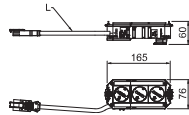
UTC3 with 2 protective contact sockets



Type	Circuit	Plug-in system		Pack Piece	Weight kg/100 pc.	Item no.
		system	Version for			
UTC3 G W2	1	GST18	Double pure white	1	16.370	7404662

The ready-for-connection UTC3 universal support possesses two pre-installed 33° protective contact sockets and one blanking cover for reinstallation of one installation device of the Modul 45 or Modul 45connect series. Suitable for VL connection cables and device installation units of nominal size 2, 4, R4, 6 and R7.

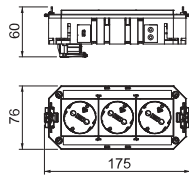
UTC3 with 2+1 protective contact sockets



Type	Circuit	Plug-in system		Pack Piece	Weight kg/100 pc.	Item no.
		system	Version for			
UTC3 G W2OR1	2	GST18	Double pure white/ single pure orange	1	26.630	7404660

Ready-for-connection UTC3 universal support with halogen-free connection cable. It possesses two pre-installed 33° protective contact sockets in white and one pre-installed 33° protective contact socket in orange of 16 A. Suitable for VL connection cables and device installation units of nominal size 2, 4, R4, 6 and R7.

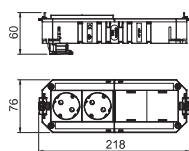
UTC3 with 3 protective contact sockets



Type	Circuit	Plug-in system		Pack Piece	Weight kg/100 pc.	Item no.
		system	Version for			
UTC3 G W3	1	GST18	Triple pure white	1	19.780	7404664

The ready-for-connection UTC3 universal support possesses three pre-installed 33° protective contact sockets of 16 A. Suitable for VL connection cables and device installation units of nominal size 2, 4, R4, 6 and R7.

UTC4 with 2 protective contact sockets



Type	Circuit	Plug-in system		Pack Piece	Weight kg/100 pc.	Item no.
		system	Version for			
UTC4 G W2	1	GST18	Double pure white	1	18.500	7404674
UTC4 G OR2	1	GST18	Double pure orange	1	18.460	7404670

The ready-for-connection UTC4 universal support possesses two pre-installed 33° protective contact sockets of 16 A and two blanking covers for reinstallation of two installation devices of the Modul 45 or Modul 45connect series. Suitable for VL connection cables and device installation units of nominal size R7, R9 and 9.

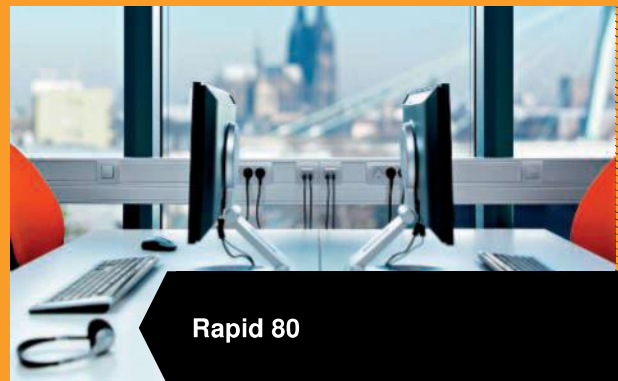


Modul 45connect®

Plug-in installation solutions for device installation trunking and service poles

As continuously connectable installation technology, the Modul 45connect® range for device installation trunking and service poles offers the highest level of flexibility, security and cost-efficiency.

From energy distribution through to device connection in the trunking, the system offers all the required installation components.



Fast installation without the need for tools, using Modul 45connect®




Safe installation through encoded connection technology



Direct mounting in the trunking – without additional components

Socket 0°, Connect 45, protective contact, single



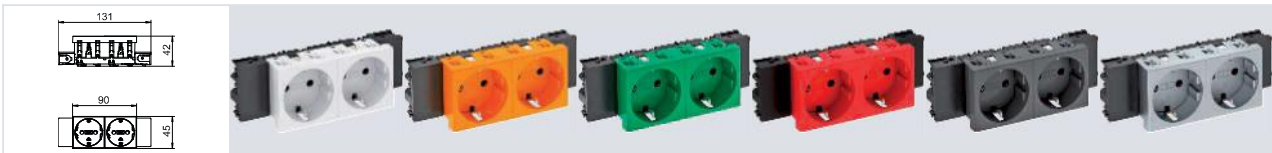
Technical drawing showing dimensions: 86mm width, 42mm height, 45mm depth, and 45mm terminal spacing.

Type	STD-D0C RW1	STD-D0C ROR1	STD-D0C MZGN1	STD-D0C SRO1	STD-D0C SWGR1	STD-D0C AL1
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium-painted
Pack Piece	1	1	1	1	1	1
Weight kg/100 pc.	6.700	6.700	6.700	6.700	6.700	6.700
Item no.	6120340	6120344	6120346	6120348	6120350	6120352

PC Polycarbonate

Protective contact socket with connection to side, Single 0°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1, suitable for the installation in Rapid 45 device installation trunking system.

Socket 0°, Connect 45, protective contact, double



Technical drawing showing dimensions: 131mm width, 42mm height, 90mm depth, and 45mm terminal spacing.

Type	STD-D0C RW2	STD-D0C ROR2	STD-D0C MZGN2	STD-D0C SRO2	STD-D0C SWGR2	STD-D0C AL2
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium-painted
Pack Piece	1	1	1	1	1	1
Weight kg/100 pc.	10.100	10.100	10.100	10.100	10.100	10.100
Item no.	6120362	6120364	6120366	6120368	6120370	6120372

PC Polycarbonate

Protective contact socket with connection to side, Double 0°, with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1, suitable for the installation in Rapid 45 device installation trunking systems.

Lined body solution for polished screeds

Using the special lined body system for terrazzo floors and polished screeds, height-adjustable cassettes can be installed perfectly in surface-finished screeds. The lined body system can be polished with the screed layer.

- Joint-free installation in terrazzo and polished screeds
- Application for height-adjustable cassettes



- Mounting protection lid protects the cassettes during the screed work
- Cassettes with 20 and 25 mm floor covering recess
- Cassettes with tube body or cord outlet

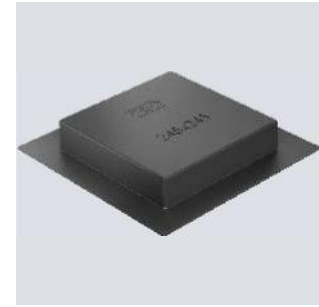
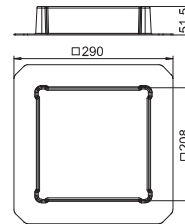
Lined body for rectangular installation units

PS

Lined body for rectangular installation unit of nominal size 4

Type	Screed height mm	Pack Piece	Weight kg/100 pc.	Item no.
SK HB 201X201	50	1	15.000	7425600

Screed protection cover for cavity floor with screed topping for height-adjustable square cassettes of nominal size 4.

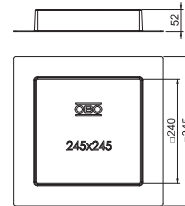


PS

Lined body for rectangular installation unit of nominal size 9

Type	Screed height mm	Pack Piece	Weight kg/100 pc.	Item no.
SK HB 245X245	50	1	19.500	7404412

Screed protection cover for cavity floor with screed topping for height-adjustable square cassettes of nominal size 9.



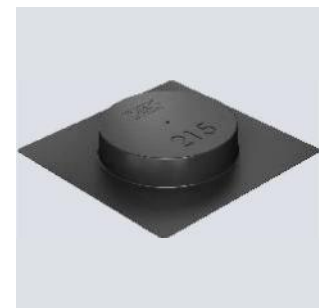
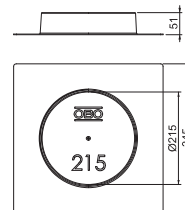
Lined body for round installation units

PS

Lined body for round installation unit of nominal size R4

Type	Dimension d mm	Screed height mm	Pack Piece	Weight kg/100 pc.	Item no.
SK HB R215	215	50	1	15.000	7404400

Screed protection cover for cavity floor with screed topping for round service outlets and height-adjustable cassettes of nominal size R4.

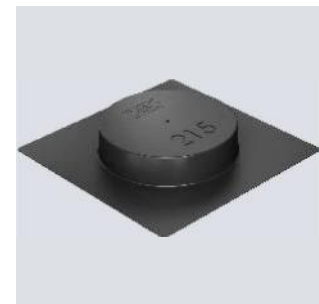
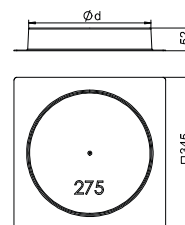


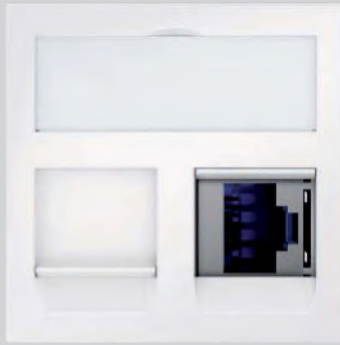
PS

Lined body for round installation unit of nominal size R7

Type	Dimension d mm	Screed height mm	Pack Piece	Weight kg/100 pc.	Item no.
SK HB R275	275	50	1	22.000	7404404

Screed protection cover for cavity floor with screed topping for round service outlets and height-adjustable cassettes of nominal size R7.





Modul 45[®] Devices

With their dimensions of 45 x 45 mm, the Modul 45[®] devices from OBO Bettermann are compact and space-saving. For this reason, the sockets, data and multimedia technology connections are ideal for use in underfloor systems, device installation trunking and service poles. The Modul 45[®] system makes optimum use of limited installation space.

The advantages of Modul 45[®] at a glance:

- Space savings thanks to compact design
- Modular structure
- Quick and easy planning
- Simple mounting
- High efficiency due to time and cost savings
- Wide range of application options
- Easy exchangeability



Installation in floor boxes



Installation in device installation trunking



Installation in service poles

With protective contact

0° socket, protective contact, single



Type	STD-D0 RW1	STD-D0 ROR1	STD-D0 MZGN1	STD-D0 SRO1	STD-D0 SWGR1	STD-D0 AL1
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium-painted
Pack Piece	1	1	1	1	1	1
Weight kg/100 pc.	4.200	4.200	4.200	4.200	4.200	4.200
Item no.	6120008	6120010	6120012	6120014	6120016	6120018

PC Polycarbonate

Power socket Single 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

0° socket, protective contact, double



Type	STD-D0 RW2	STD-D0 ROR2	STD-D0 MZGN2	STD-D0 SRO2	STD-D0 SWGR2	STD-D0 AL2
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium-painted
Pack Piece	1	1	1	1	1	1
Weight kg/100 pc.	8,000	8,000	8,000	8,000	8,000	8,000
Item no.	6120022	6120024	6120026	6120028	6120030	6120032

PC Polycarbonate

Power socket Double 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

0° socket, protective contact, triple



Type	STD-D0 RW3	STD-D0 ROR3	STD-D0 MZGN3	STD-D0 SRO3	STD-D0 SWGR3	STD-D0 AL3
Colour	Pure white	Pure orange	Mint green	Signal red	Black-grey	Aluminium-painted
Pack Piece	1	1	1	1	1	1
Weight kg/100 pc.	12.200	12.200	12.200	12.200	12.200	12.200
Item no.	6120042	6120044	6120046	6120048	6120050	6120052

PC Polycarbonate

Power socket Triple 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



Workplace solutions

Deskboxes and Flexkanal

Deskboxes by OBO offer direct access to power, data and multimedia connections for any workplace, such as in offices and meeting and conference rooms. Three different Deskbox solutions in high-quality material and elegant designs are available for individual requirements:

- Freely positionable Deskbox DB
- Lowerable Deskbox DBV
- Foldable Deskbox DBK



Freely locatable Deskbox DB



Lowerable Deskbox DBV



Foldable Deskbox DBK

Floor boxes UDHOME4 and UDHOME9

The UDHOME4 and UDHOME9 floor boxes are the ideal solution for a wide equipment range and dry-cleaned floor coverings. The floor boxes offer a lot of space for the installation of power, data and multimedia connections and are available in discreet stainless steel and in stylish brass.



Dimensions

Body: 199 mm x 199 mm
 Screed height: 95–110 mm
 Floor height: 95–125 mm
 Optional height extension

UDHOME4

The UDHOME4 can be equipped flexibly with power, data and multimedia technology using 4 support ring devices or 6 Modul 45 devices.

The UDHOME has a height-adjustment range of up to 30 mm and can thus be adjusted to the level of the finished floor.



UDHOME9

The UDHOME9 can be equipped flexibly with power, data and multimedia technology using 9 support ring devices or 12 Modul 45 devices, and is available in stainless steel and brass.

Dimensions

Body: 243 mm x 243 mm
 Screed height: 95–110 mm
 Floor height: 95–125 mm
 Optional height extension

VA

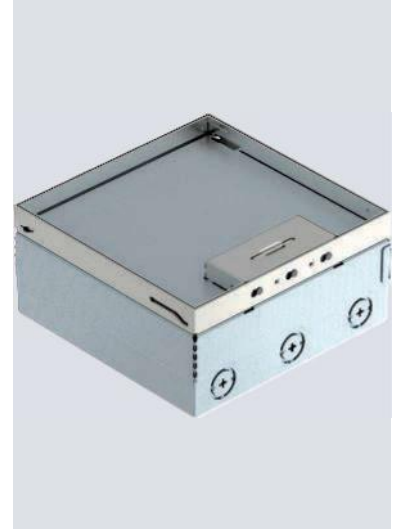
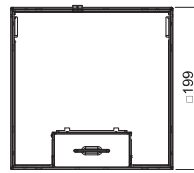
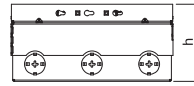
UDHOME4 floor box, with universal support UT3, triple VDE, stainless steel

Type	Dim. h mm	Floor height mm	Floor covering thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
UDHOME4 2V V	95	95-125	15	1	380.000	7427200

Square floor box for use in dry-cleaned cavity and screed floors for indoor use. Installation housing with pre-marked insertion openings for pipelines (M25). Cover adjustable to the top edge of the floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of stainless steel.

The scope of delivery contains two UT3 universal supports, a triple power socket with cover plate and two individual cover plates for accessories with support ring.

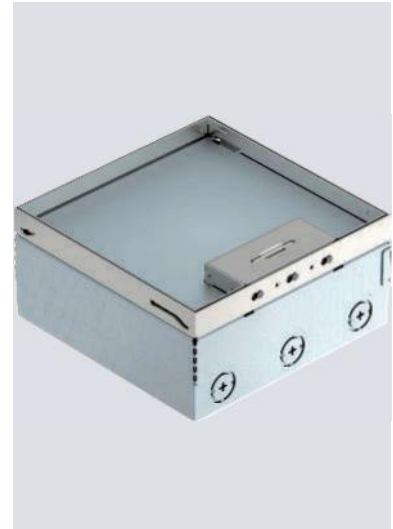
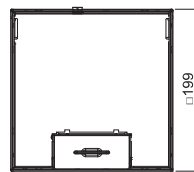
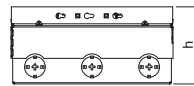


VA

UDHOME4 floor box, freely equippable, stain- less steel

Type	Dim. h mm	Floor height mm	Floor covering thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
UDHOME4 2V	95	95-125	15	1	384.000	7427232

Square floor box for use in dry-cleaned cavity and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M25). Cover adjustable to top edge of floor covering using four height adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm. Surfaces visible in the floor covering made of stainless steel.

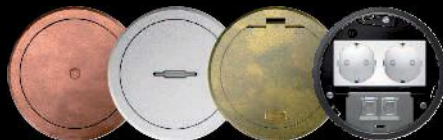


MODULAR

GES R2 floor sockets



- Available with hinged cover, tube body or blanking lid with high-quality coating in old copper, antique brass, nickel-oxidized or graphite black.
- Modular design for different application conditions.
- Installation room for 2 sockets and 2 data modules.
- IP66-certified when closed.

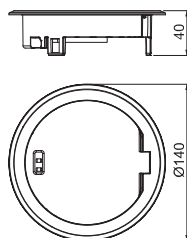


Zn N

Service outlet with hinged cover and locking slider, GES R2, nickel

Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 Ni	1	58.500	7408850

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

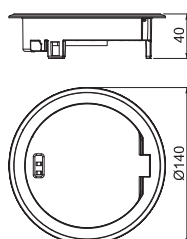


Zn CuZn 37

Service outlet with hinged cover and locking slider, GES R2, old brass

Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 CuZn	1	58.500	7408852

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

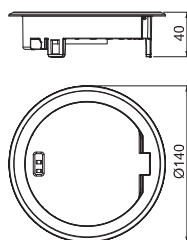


Zn Cu

Service outlet with hinged cover and locking slider, GES R2, old copper

Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 Cu	1	58.500	7408854

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

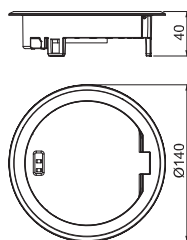


Zn

Service outlet with hinged cover and locking slider, GES R2, chrome

Type	Pack Piece	Weight kg/100 pc.	Item no.
GES R2 Cr	1	58.500	7408856

Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.



GES service outlet, rectangular

Service outlets supply workstations and other areas in the centre of the room with power and data connections via the floor. Service outlets are suitable for installation in screed-flush and screed-covered underfloor systems.

- Universal service outlet for all systems
- Suitable for dry-cleaned floors
- Available in plastic and stainless steel

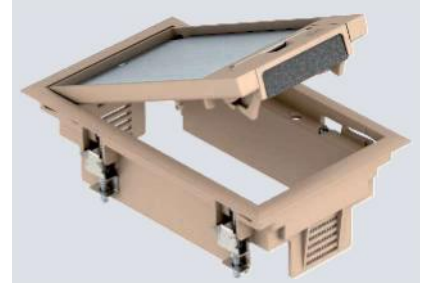
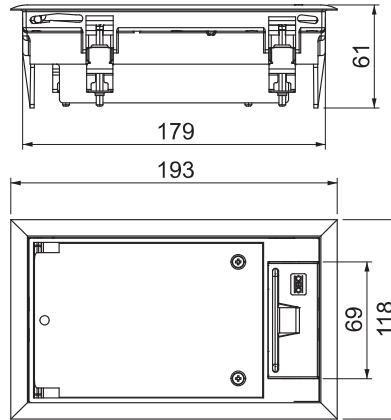


- Lid available with locking slider or handle clamp
- Adjustable for different covering thicknesses

PA

GES2 service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GES2 U 1019	Grey-beige	5	1	61.300	7405124



Service outlet with handle clamp for up to 3 individual Modul 45 devices in one UT3 universal support, use in duct systems and system floors for indoor use.

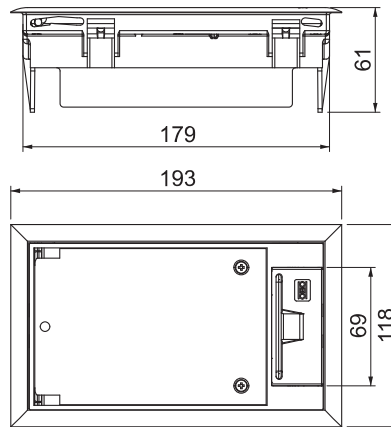
Service outlet with handle clamp, 1-compartment, for the installation of MT2 mounting support.

Up to two installation devices with 50 mm central plate can be inserted.

PA

GES2DB service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Pack Piece	Weight kg/100 pc.	Item no.
GES2 DB 7011	Iron grey	5	1	66.400	7405100



Service outlet with handle clamp for up to 3 individual Modul 45 devices in one UT3 universal support, use in duct systems and system floors for indoor use.

Service outlet with handle clamp, 1-compartment, for the installation of MT2 mounting support.

Up to two installation devices with 50 mm central plate can be inserted.



Height-adjustable cassettes

The compact, flush-floor cassettes provide power, data and multimedia connections in the smallest areas. The height-adjustable cassettes can be adjusted exactly to the top edge of the floor covering. The cassettes can be installed inside under-floor duct systems in a screed box or in system floors. They are fastened to the raw concrete using height-adjustment units.

- Can be used in UZD underfloor sockets and system floors
- Tube body variant suitable for wet cleaning
- High stability through height-adjustment units

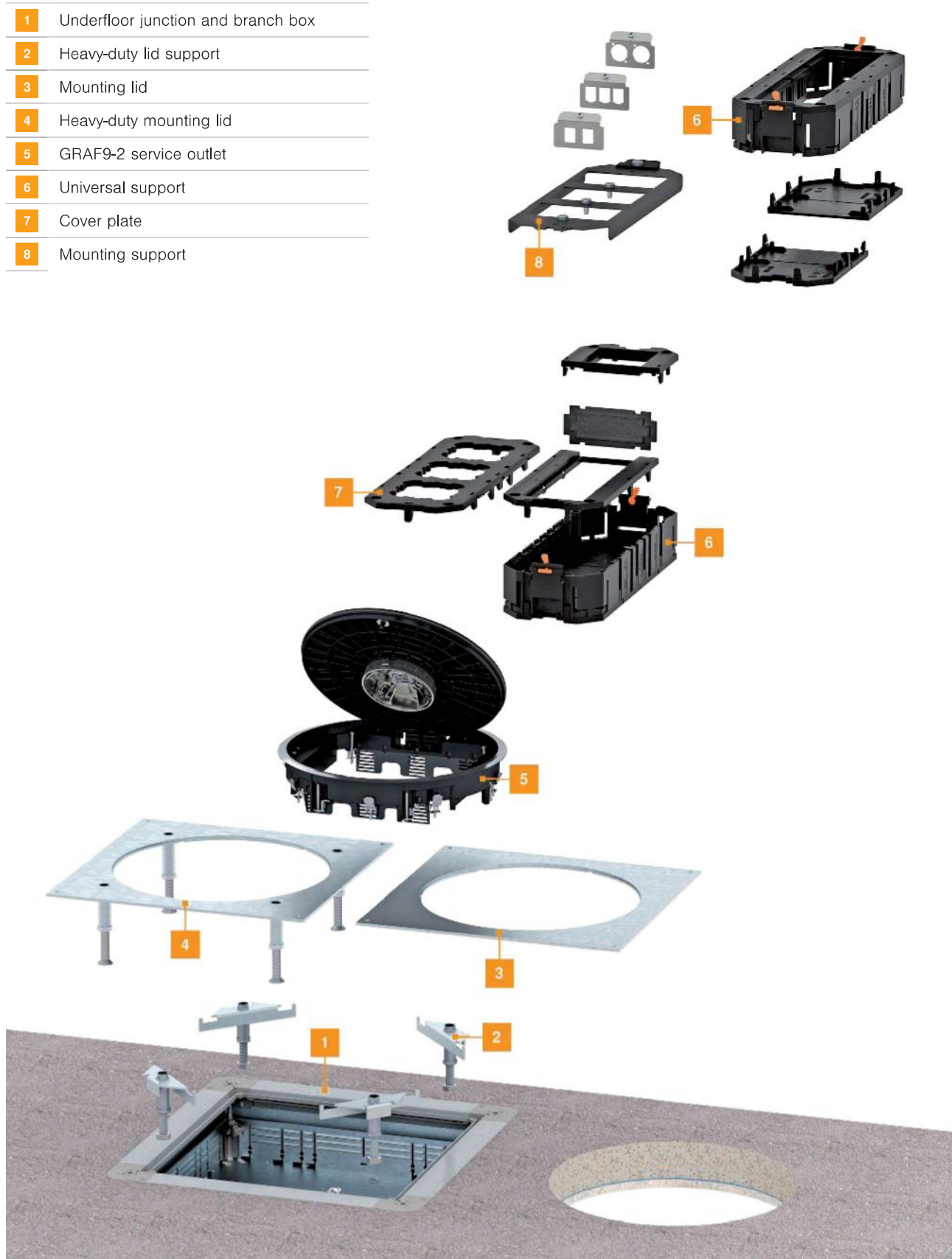


- Suitable for high-quality floor coverings
- Cassettes with 20 and 25 mm floor covering recess
- Available in stainless steel and brass

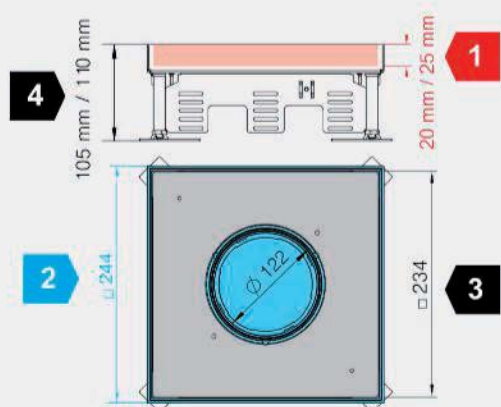
Wet-cleaned service outlets

Installation principle

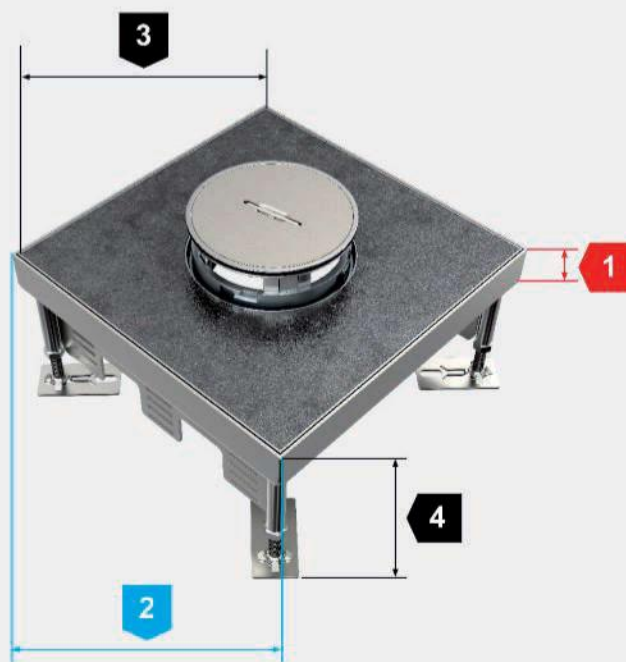
- 1 Underfloor junction and branch box
- 2 Heavy-duty lid support
- 3 Mounting lid
- 4 Heavy-duty mounting lid
- 5 GRAF9-2 service outlet
- 6 Universal support
- 7 Cover plate
- 8 Mounting support



Installation and floor cut-out dimensions



Various installation and floor cut-out dimensions must be taken into account for the mounting of height-adjustable cassettes and the application of floor coverings in the cassette lids.



1 Frame height for the floor covering in the lid (red dimensions)

The frame height data relates to the maximum floor covering thickness, including adhesive. The cassettes are available in various frame heights.

2 Floor cut-out for the installation of cassettes (blue dimensions)

The dimensions for the floor cut-out should be considered as target dimensions for correct installation of the cassette in the floor. They are only generally required for the floor cut-out in system floors. The EÜK screed-covered duct system and the OKA open trunking system offer prefabricated mounting lids with matching installation openings.

3 Internal dimension of the lid to determine the floor covering cut-out (black dimensions)

The dimension data relates to the internal dimension of the cassette lid and is used to calculate the floor covering cut out. Depending on the type of floor covering, appropriate reductions should be taken into account, e.g. for expansion gaps.

4 Minimum floor structure height (raw concrete ceiling to finished floor)

The dimension describes the minimum floor structure height from the raw concrete ceiling to the top edge of the finished floor. It guarantees correct installation and use of installation devices, such as sockets, data and multimedia connections.



Telitank

Device installation units above the floor (Telitanks) are used for the installation of electrical devices. According to DIN EN 50085-2-2, Telitanks can be used in rooms with dry or wet-cleaned floors.

Underfloor applications, on-floor



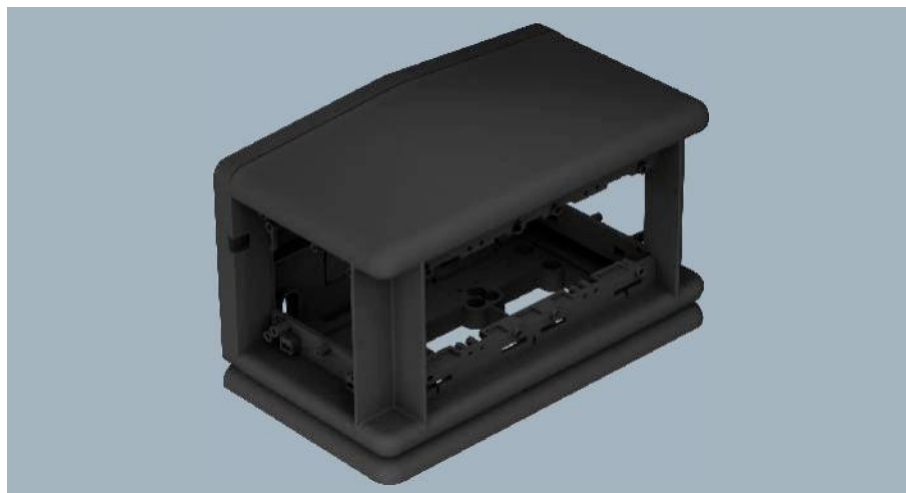
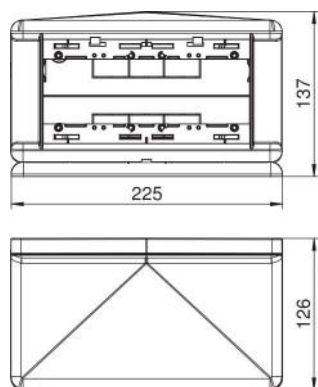
- Suitable for dry and wet-cleaned floors
- Can be used at low screed heights



- Installation option for four to twelve Modul 45® devices
- With screed-flush trunking system: Screed heights < 70 mm possible

PA

Telitank T4L



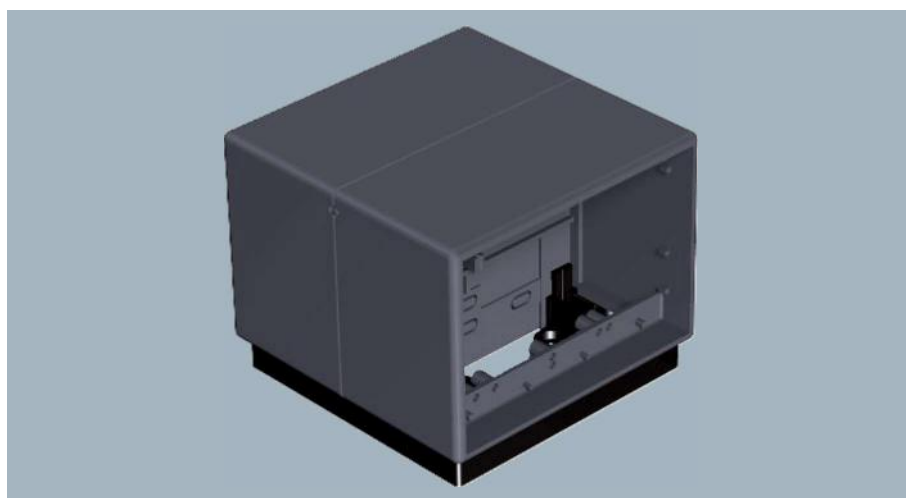
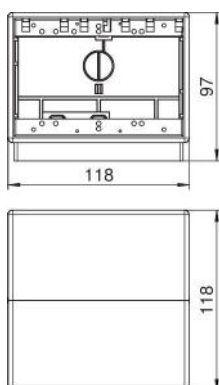
Raised height installation unit for the installation of four individual accessories.

Designed for use only on AIK systems.

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
T4L00C 9011	Graphite black	1	57.200	7408300
T4L00C7035	Light grey	1	57.200	7408304

PA

Telitank T4B



For combined installation of four individual accessories with support bracket (four accessories of one current type or two accessories each for two current types). The different current types are insulated against each other by a partition. Screw fixing groove for accessories: 60 mm vertical.

Type	Colour	Pack Piece	Weight kg/100 pc.	Item no.
T4B 00C 7011	Iron grey	1	32.200	7408288
T4B 00C 9011	Graphite black	1	32.200	7408292



Open trunking system, screed-flush OKA

The OKA open trunking system is a flexible system for in-screed cable routing. The trunking lids can also be opened along the whole length – even when installed with a floor covering. This means that the electrical installation in the trunking can be adapted at any time. Additional mounting benefits, such as lowerable floor covering profiles or rapid height-adjustment units, offer a great deal of flexibility and security for professional underfloor installations.

Underfloor applications, in screed

- Trunking side walls made of flexible metal mesh
- Good adjustment to uneven floors
- Combination option of the OKA-G and OKA-W systems
- For dry and wet-cleaned floors



- Screw-on or lockable lid
- High flexibility for changes of use
- System width 200–600 mm



Ideally suitable for large volumes of cables



Simple retroinstallation and highest flexibility



Long-life thanks to robust construction