BUILDING INSTALLATIONS



Underfloor Trunking Systems

TRENCH

OBO Bettermann Group

Building Connections

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At OBO Bettermann, we're proud to be a driving force. And as a facilitator, we make connections. Today, we are already developing the innovative electrical infrastructure systems and solutions of tomorrow. Reliably, flexibly, sustainably.

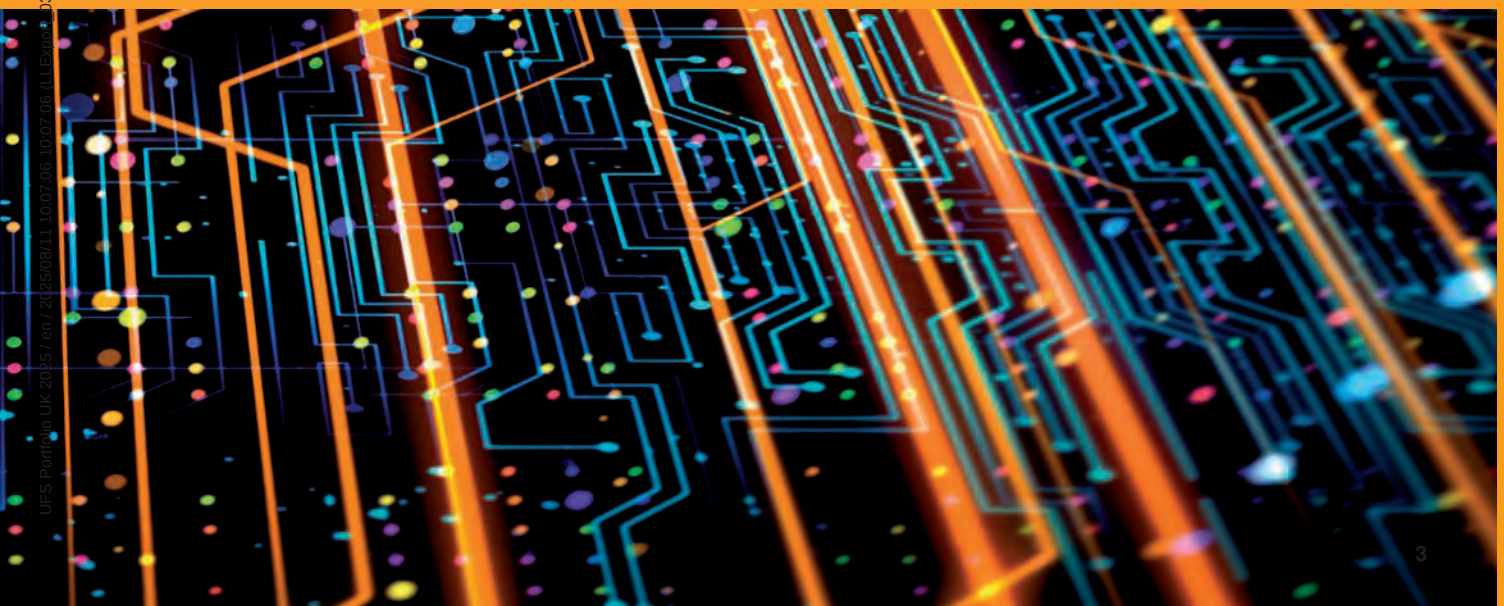
Already today, OBO is one of the leading manufacturers of installation systems for the electrical infrastructure in buildings and plants. When it comes to the friction-free flow of power, energy and data, engineers and tradespeople worldwide rely on the comprehensive range from OBO.





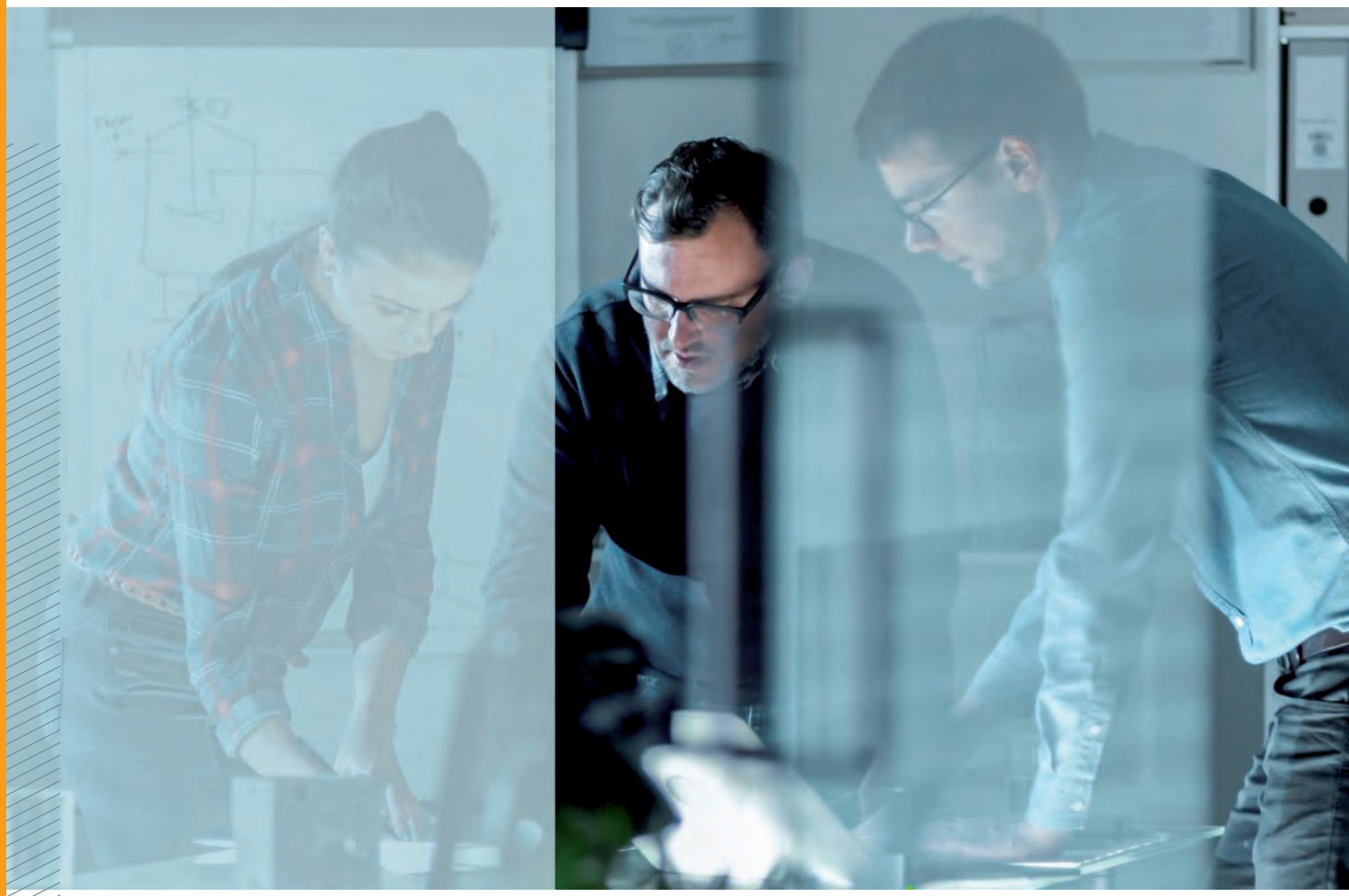
OBO applies its slogan "Building Connections" to around 30,000 high-quality branded electrical products and services, which are used in application solutions for projects in industry, business and infrastructure.

OBO operates a global network and employs more than 4,200 people in more than 60 countries. The headquarters of the family company, which was founded in 1911, is located in Menden, Germany. In addition, more than 40 subsidiaries are present in markets on all continents.



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OBO Support *& contact*



You have a problem? We have the solution!

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We are as flexible as you are – because we know how practical people work and what is important to them. Each step is a plus – that is the OBO Support concept.

You can contact our Customer Service department on:

0121 544 7011

Monday–Friday
8.30 a.m.–5 p.m.

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- Guarantee management

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Always at your service



OBO Construct: Planning has never been so easy!

OBO Construct is a collection of planning tools that were developed especially for electrical installation engineers and planners. This platform offers support in product configuration and a selection aid for the matching systems, and automatically generates a corresponding parts list. With OBO Construct, you can therefore access and edit projects at any time and at any location – via your smartphone, tablet or desktop PC. Versions of the app are available for iOS and Android.

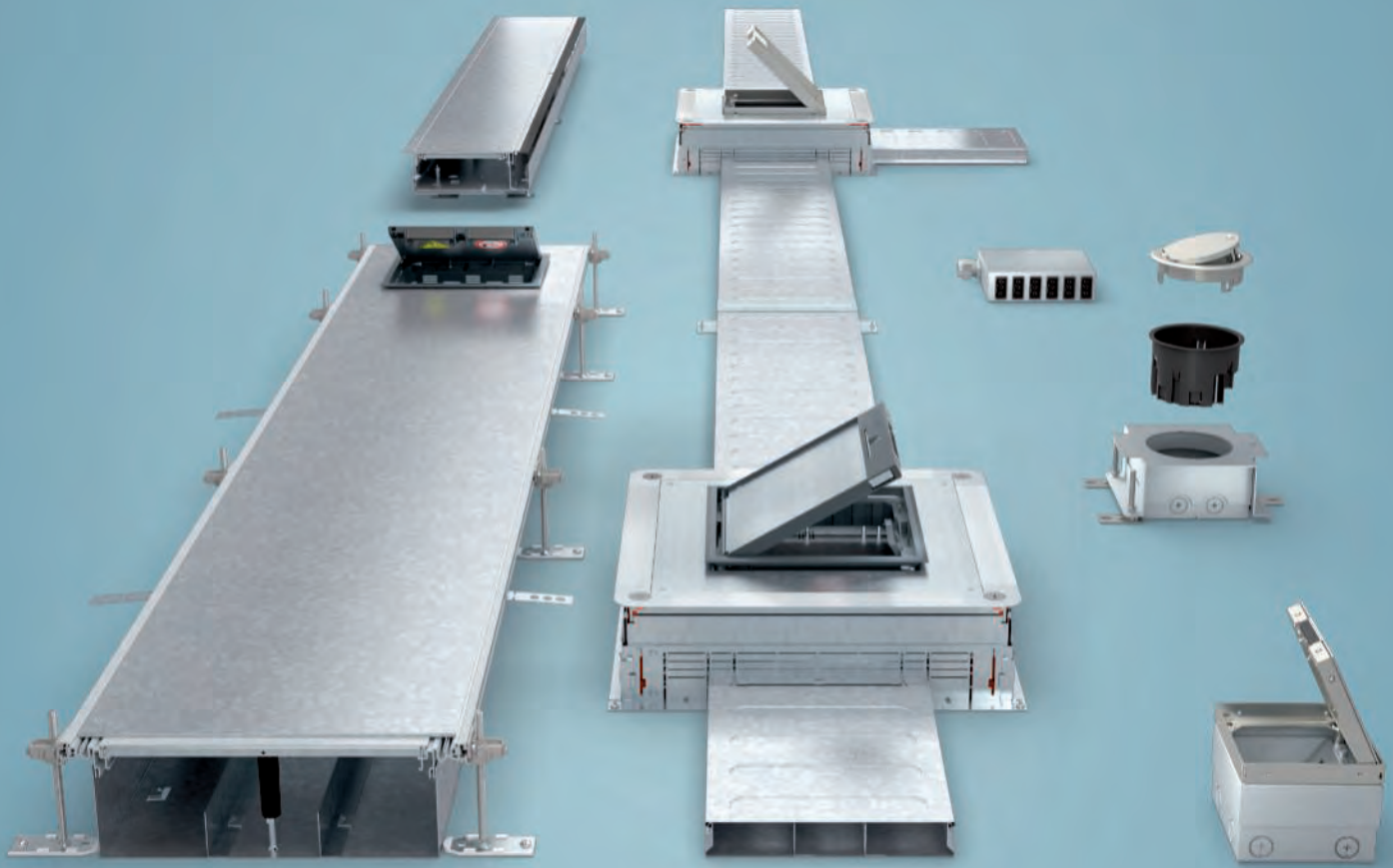
Laden im App Store

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OBO Academy: From the basics to the concrete application

The OBO Academy has been offering an extensive further education programme for many years. This programme helps with first-hand information and expertise, giving you that essential head start in terms of in-depth knowledge. In our seminars, planner days or online seminars, we provide you with current developments, trends, norms and regulations – systematically, comprehensively and practically oriented.



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Screed-covered EÜK duct system, self-levelling



OKA-W Flush Floor Trunking System



Screed-flush trunking OKB



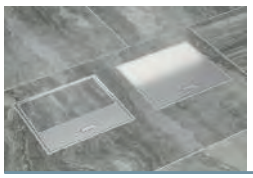
GES service outlets



Cassettes – height-adjustable and decouplable



Heavy-duty systems



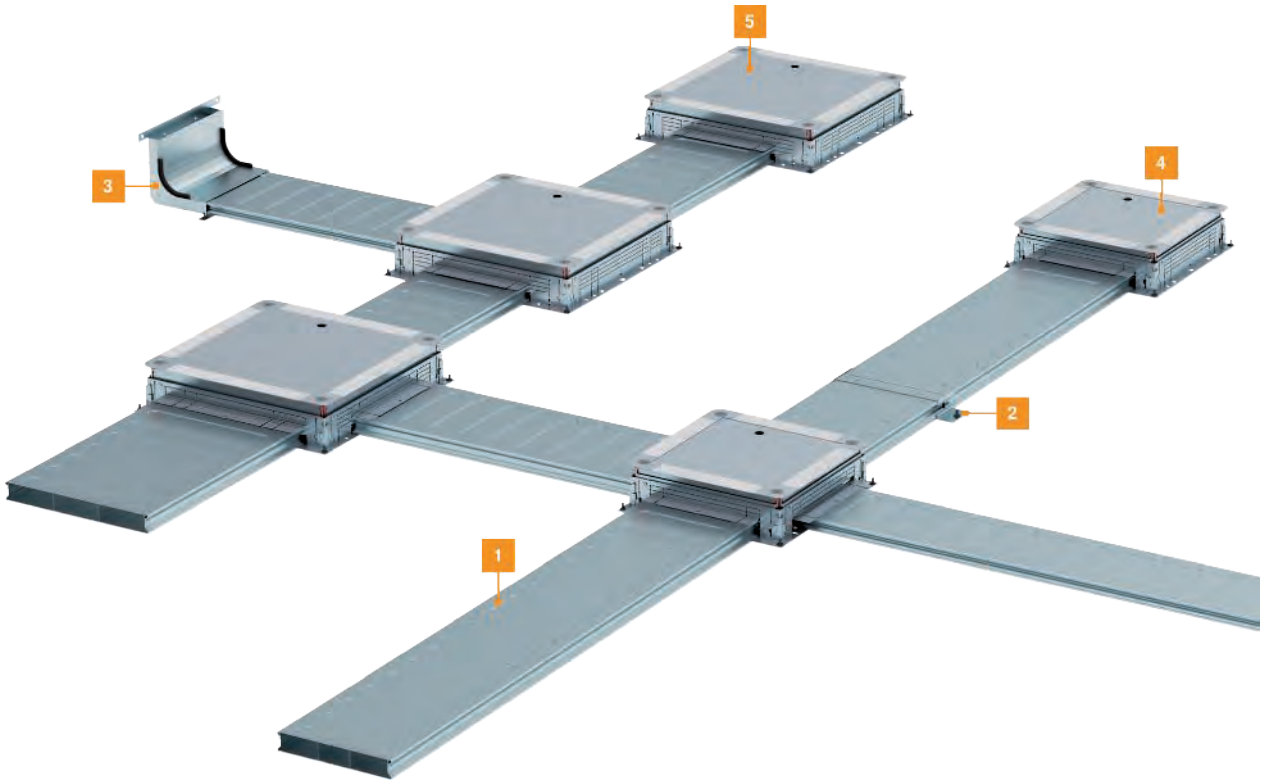
UDHOME floor sockets

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EÜK screed-covered duct system



Installation principle



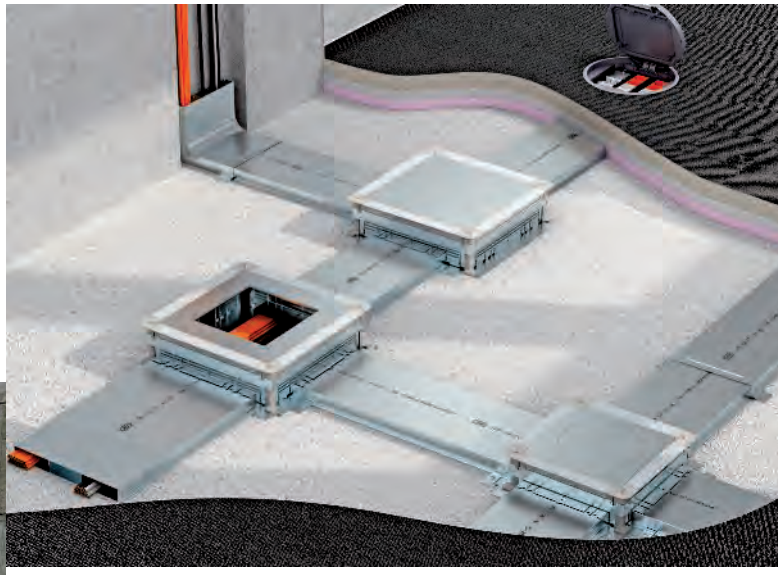
1	Underfloor duct (2 piece)
2	Connection shackle (2 piece)
3	Vertical bend (2 piece)
4	Underfloor box 250
5	Underfloor box 350

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Wide range of uses

The EÜK system is suitable for all screed types, e.g. for cement screeds, poured asphalt, floating screeds or heated screeds. The completely closed duct system protects the routed cables and repels footfalls, dust and dirt during everyday construction site work.

Depending on the construction project, the system offers solutions for floor structures with increased load requirements and for dry, moist and wet-cleaned floor coverings.





Ideally suitable for wet cleaning

Suitable for maximum loads and can be upgraded to a heavy-duty system

In use around the world for decades

Practical – all over the world

The EÜK system is one of the most popular underfloor systems. Planners around the world rely on its variety, reliability and flexibility. Thus, in cooperation with OBO, numerous challenging construction projects have been completed. This is also because we make special demands of our products.
Thus, for example, the covers and accessory parts in the heavy-duty sector offer continuously high levels of stability – well beyond those required by the standard. According to DIN EN 50085-2-2, temporary bending by 6 mm is permissible. However, in practice, such severe bending can lead to damage, depending on the floor covering. Thus, we use practice-orientated benchmarks to check that the products can stand up to all the requirements on the building site and during later use.









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Quality at every level

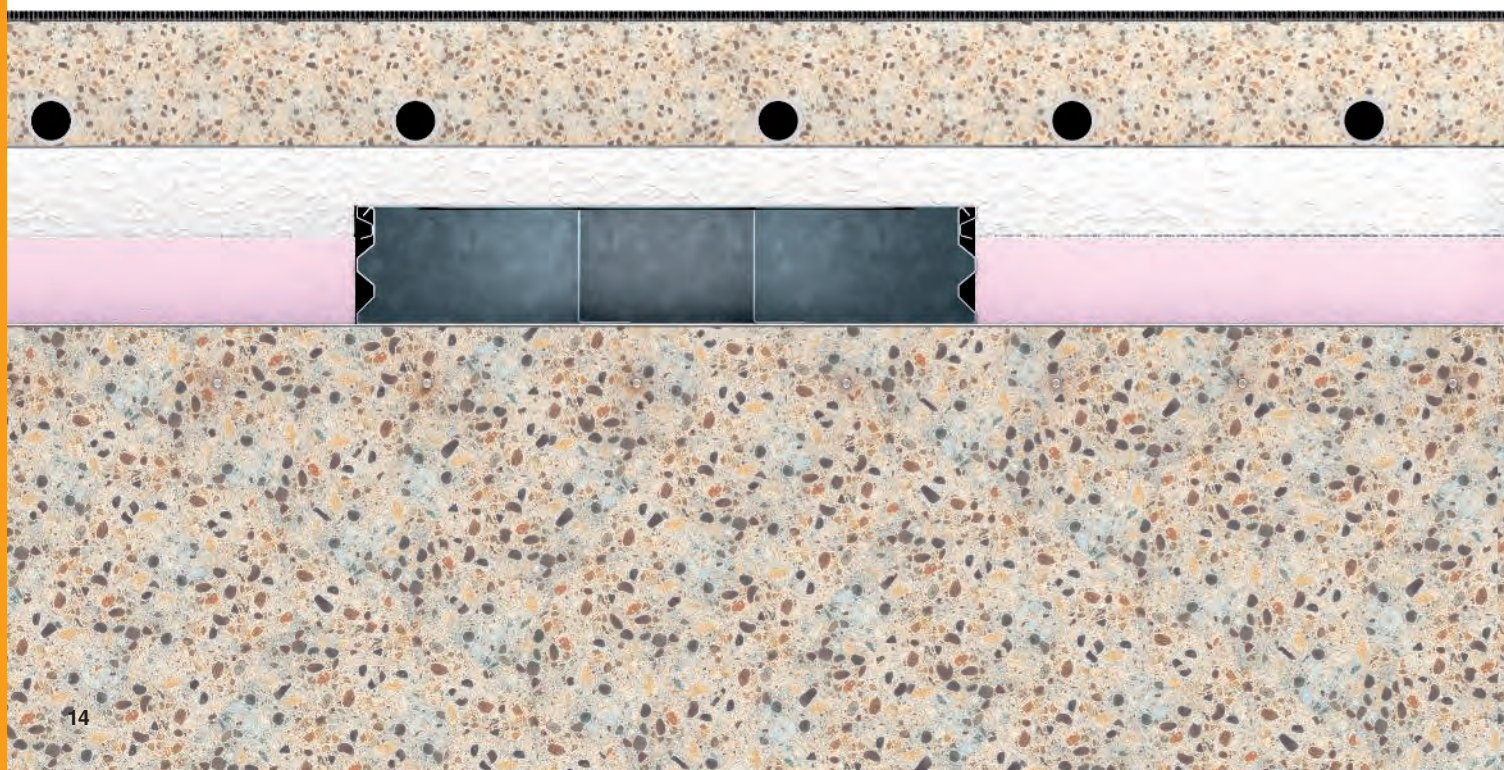
The ducts and underfloor boxes of the EÜK system are mounted directly on the raw concrete. To protect against heat losses and the reduction of footfall sound, insulation layers are inserted, which surround the duct system completely.

Optionally, underfloor heating can be installed for wide-area heat distribution and is then covered by the screed. The screed thickness above the duct is to be specified in accordance with DIN 18560.

Combination with underfloor heating

The EÜK system is ideally suited to installation in floors, in which there is underfloor heating in the screed. The duct system is below this and is thus completely separate in the insulation layer.





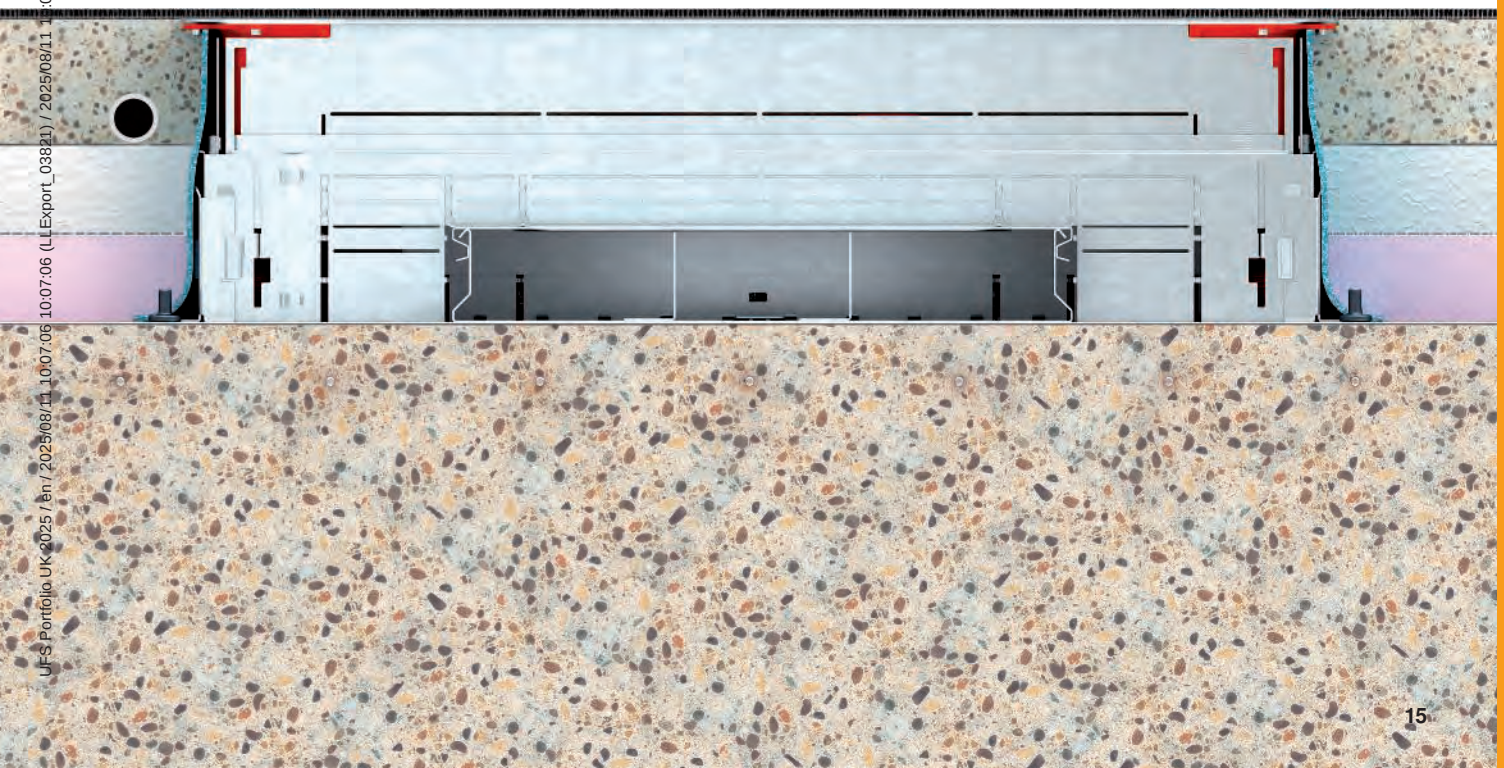


Large height-adjustment range

The underfloor sockets cover an adjustment range of between 80 and 160 mm. At low screed heights of 55 mm or more, System 55 is used, whilst, with high floor structures, the underfloor boxes can be raised to up to 320 mm.

Tested quality

The load capacity of the EÜK system has been tested to DIN 50085-2-2. In its own BET Test Centre, OBO also carries out its own load tests for the system. Thus, even special solutions can be tested within a short time.



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Installation of the system components

Vertical bend

The matching vertical bends allow the creation of vertical changes of direction, e.g. as a connection to wall connections or supplies.



System sizes, ducts

The ducts are available in the heights 28, 38 and 48 mm, and in the widths 190, 250 and 350 mm. Fixed sheet steel separating retainers divide the ducts up into two or three duct compartments.

Underfloor box for device installation units

The underfloor box is intended for device installation. It is supplied with a mounting lid and a lid blanking plate. Depending on the version, it is designed for the installation of round or rectangular installation units.

Underfloor junction and branch box

The underfloor draw and junction box serves as the access point to the electrical installation in the ducts. It can be equipped with a mounting lid for device installation.

Equipotential bonding

Connection shackles create a conductive connection between the two inserted pieces of duct.

System sizes, underfloor boxes

The type UZD underfloor boxes are available in two system sizes:

- System size 250 (380 x 400 mm)
- System size 350 (480 x 500 mm)

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Robust and easy to mount

The underfloor boxes of the EÜK system possess an extremely robust socket body. They are ideally suited to construction site operation with its dirt, dust and being stepped upon. Installation is easy thanks to the practical rapid height adjustment and the large, tidy installation space.

Height adjustment

The underfloor junction and branch boxes have a minimum structure height of 80 mm. The height-adjustment range is 80–160 mm.

Height adjustment is done in multiple increments using height-adjustment sleeves and integrated quick-height adjustment. Fine adjustment is done using a screwdriver for exact alignment to the upper screed edge.

Completely reliable

The sidewalls of the underfloor boxes are made of galvanised sheet steel. Their stable corner elements are made from die-cast zinc. On the surface, stable aluminium profiles provide an elegant, load-bearing end.

Closed

The solid system shows its strengths during the construction phase. It is always completely closed. The underfloor boxes are protected from above by the mounting protection lid. Thus, no foreign bodies can ingress and the interior remains clean.



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Range of functions – a fixed point

When installed, the underfloor box is securely anchored in the screed. The screed can be worked particularly well around the drip edge of the socket, which also serves as a broad support in the screed.

Large, protected installation space

The underfloor sockets of the EÜK system possess completely closed metallic sidewalls. Thus, the installation space remains tidy and also offers plenty of space for cable routing. The full height is available for cable routing and device installation.





Noise protection

After screed laying, the top frame of the underfloor box can be decoupled from the box base. The frame then floats on the screed plate, without any connection to the raw concrete. The complete decoupling of the top frame of the box and the resulting separation from the concrete means that no noise is transmitted via the duct system and the underfloor boxes.

This means that the noise insulation damping of the floating screed is not impaired by the EÜK system. This has been proven by a noise protection survey of the EÜK system.





Wide support in the screed

The cover of the underfloor socket has a wide aluminium profile, which is positioned in the screed. This gives the entire socket an especially high level of stability, preventing damage to the floor covering.

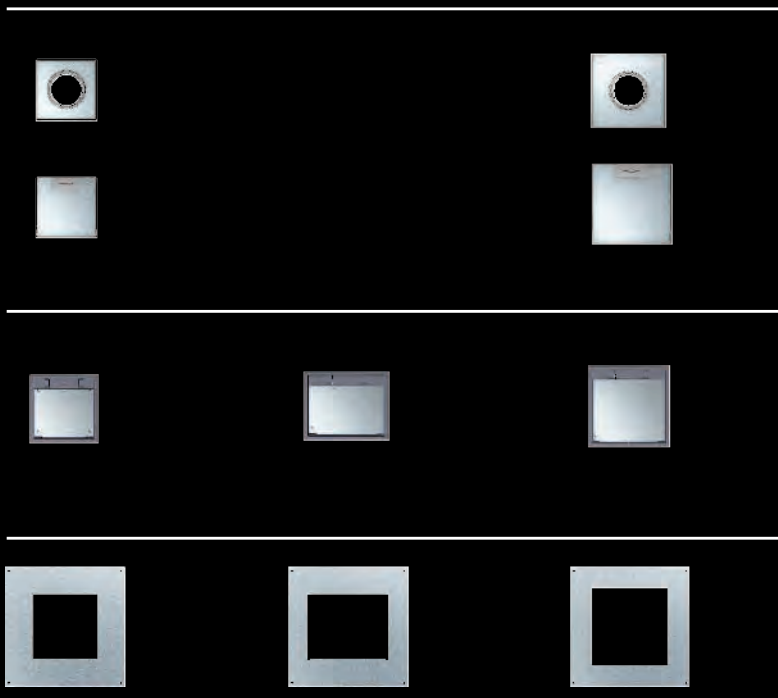
The sturdy aluminium profiles at the edge of the socket serve as a drip edge for the screed and allow precise installation.



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Flexible equipment

Device installation units, in the form of cassettes and service outlets, can be installed in underfloor boxes with a mounting lid. The device installation units accept sockets, data and multimedia connections.



New installation

With the matching mounting lid, it is possible to install service outlets in the rectangular systems sizes 2, 4, 6 and 9 and in the round system sizes R4, R7 and R9. In addition, a blind lid and a lid for the mounting of Telitanks (units protruding above the floor) are available.



Cassettes

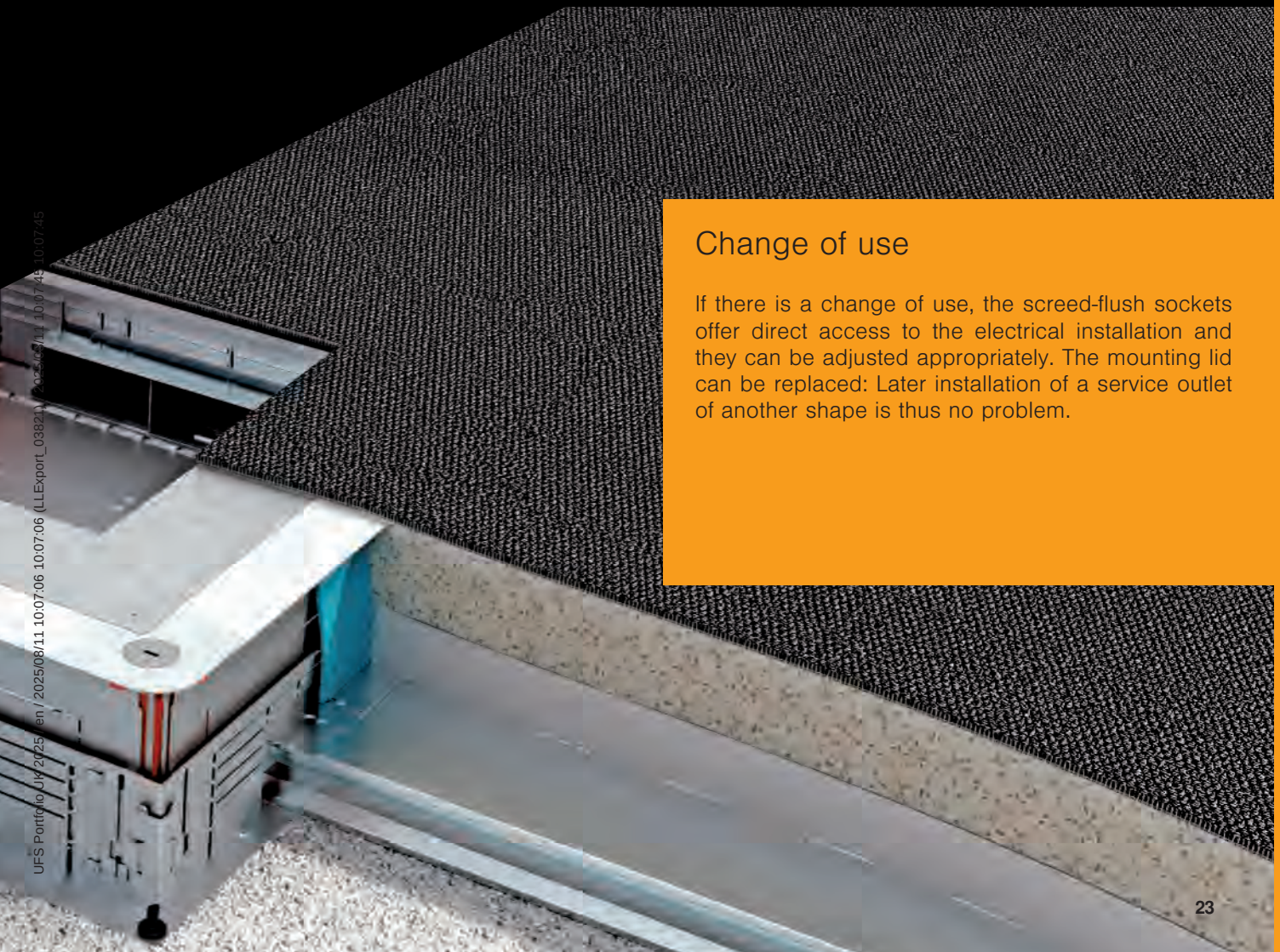


Service outlets



Mounting lid

*You can find our complete product range in the product section of our underfloor systems catalogue.



Change of use

If there is a change of use, the screed-flush sockets offer direct access to the electrical installation and they can be adjusted appropriately. The mounting lid can be replaced: Later installation of a service outlet of another shape is thus no problem.

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Screed thickness



Nominal screed thickness for EÜK screed-covered duct system

Avoiding crack formation
An important precondition for a proper underfloor installation is the screed structure. In the case of a screed-covered system, it is important that the screed thickness over the duct corresponds to the values in the standard, to avoid the formation of cracks.

Nominal screed thickness
The nominal screed thickness is dependent on the insulation layer, the individual load and the screed type. More detailed information for Germany can be found in DIN 18560.

Working of the screed

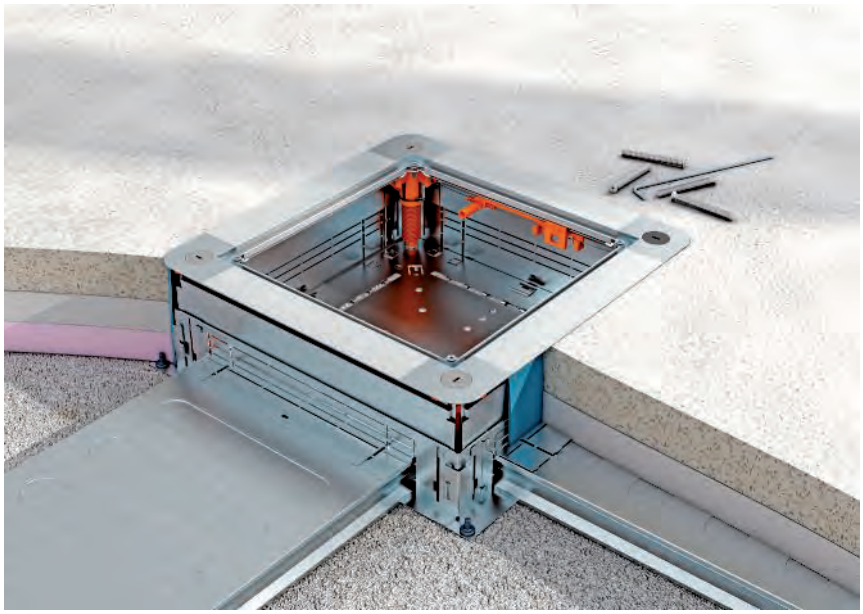




Working the screed
The excess height of the underfloor boxes must be completely surrounded with screed, in order to guarantee the stability of the boxes in the screed.

Use of a separating layer
When used in floating screed or in heated screeds on insulation layers, the box can be separated from the screed by a separating layer. The separating layer can be up to 3 mm thick and must reach to under the top frame of the box.

Floor types



Floating screed application
Underfloor installation ducts can be mounted in floating screed without complications. For noise reduction reasons, the ducts are laid inside the insulation.



Composite screed application
In cement composite screed, the underfloor installation duct can be mounted quickly and easily. Additional protective measures are not required: The cement screed can be applied directly to the galvanised sheet steel duct.

Floating screed
When used in floating screeds, ensure that the duct system is sealed before the screed is applied.



Poured asphalt application
Underfloor installation ducts can be used in a composite screed system made of floating poured asphalt. The installation temperature of the poured asphalt is around 250 °C. Bitumen corrugated card must be laid to provide protection to the ducts during pouring and the cooling phase of the poured asphalt. Cables are only installed after cooling.



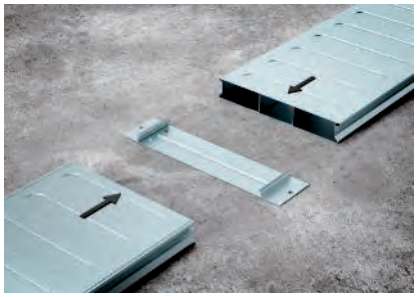
Use in the area of high loads
No insulation strips may be attached to the underfloor socket. This ensures the maximum support area of the screed support frame. You can find system accessories, such as heavy-duty supports and heavy-duty mounting lids for the installation of cassettes of load classes SL1 and SL2, in the heavy-duty chapter of our catalogue.

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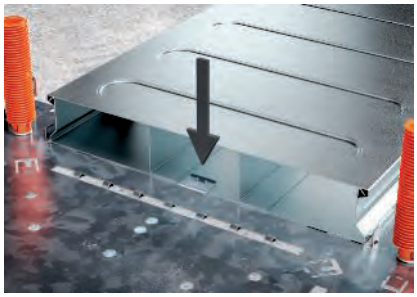
Inclusion of the EÜK duct system in the local equipotential bonding

We recommend including the EÜK screed-covered duct system in the equipotential bonding. The EÜK system offers the necessary connection options for protective conductors. All the system components are fully conductive.

The EMC regulations according to DIN EN 50174-2 (VDE 0800-174-2) require the inclusion of all the metallic system components up to the connection point as functional equipotential bonding.



Mounting of connection shackle
Connection shackles create the conductive connection of the two inserted pieces of duct.



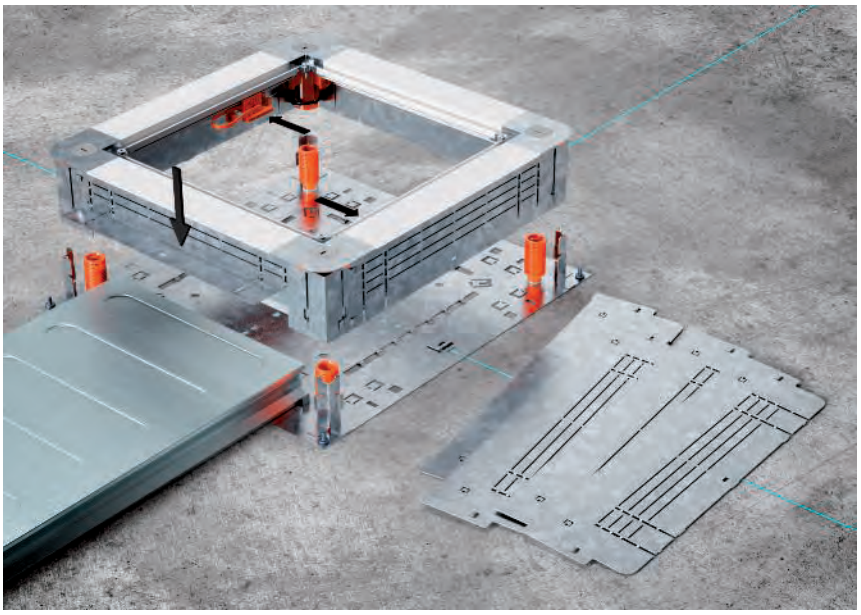
Earthing of the duct system
Inserting the ducts into the locking tabs in the floor plate of the UZD establishes a conductive connection between the duct and the underfloor socket.



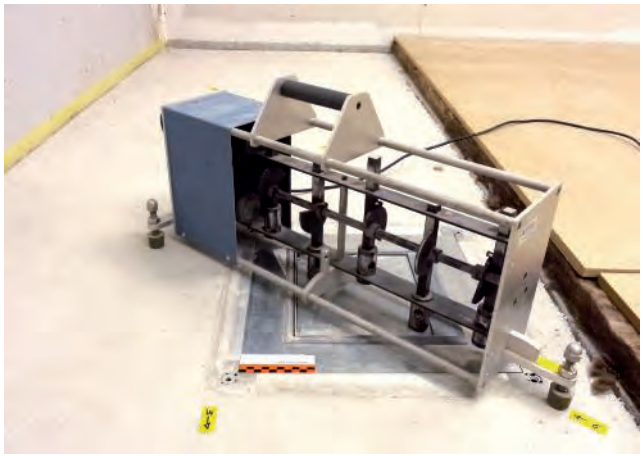
Earthing of the box top frame
If there is a fault, metallic parts will carry voltage. The protective conductor connection bracket 8AWR includes the underfloor boxes in the protective measures. Tighten the contact bolt with at least 1.2 Nm. Alternatively, conductive connections can be created between construction elements using external connections, by soldering, welding, riveting or screwing.

Height compensation of the underfloor box

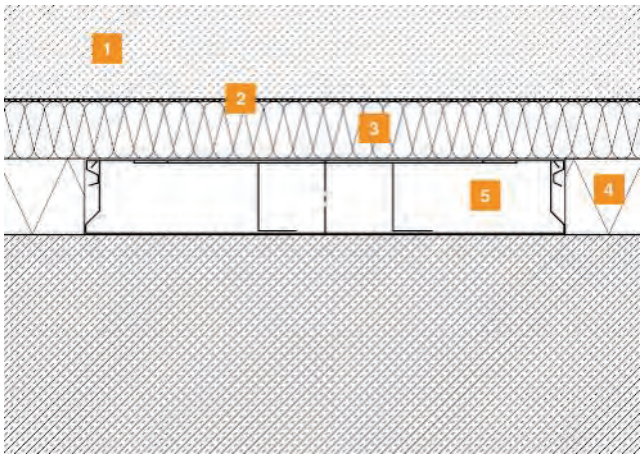
Type UZD underfloor sockets are available with an adjustment range of 80–160 mm. With height adjustments, the UZD can also be converted for screed heights up to 240 mm or up to a height of 320 mm. System 55 is used for screed heights of less than 80 mm.



Noise prevention and impact noise



Minimum requirements
The minimum requirements for structural sound insulation are defined in DIN 4109 “Sound insulation in buildings”. Qualified tests to determine the transmission of air and footfall sound for the EÜK duct system were carried out together with the MÜLLER BBM GmbH testing institute in Planegg, Munich. The transmission of air and footfall sound was investigated for both vertical, i.e. from storey to storey, and horizontal, i.e. from adjacent rooms, sound transmission. The test was carried out in a floating screed construction.



1	50 mm cement screed, CEMI 52.2 N, mass relative to area m'=15 kg/m²
2	0.2 mm PE film
3	30 mm noise insulation damping, dynamic stiffness s'= 15 MN/m³
4	40 mm heat insulation, polystyrene EPS 100/035
5	38 mm installation trunking

Noise evaluation
With regard to the evaluated reduction of footfall sound of the screed without a floor system, statements made below can be considered as approved. The following recommendations for the OBO Bettermann underfloor systems relate to screed constructions which are spatially separated.

The required noise measures for the use of the type EÜK duct system in offices can be summarised as follows:

The EÜK system can run beneath floating screeds, through partitions with noise protection requirements, in accordance with Section 3. During measurement checking, it should be ensured that the connection sockets have a spacing of 2 m to the partition. This wall spacing of the floor socket should be maintained if there are sound requirements.

If the floor socket is closer to the partition, then there may be a reduction in noise insulation. However, this has not been investigated in detail. In the case of floor sockets close to the wall, it may be advisable to insert noise protection insulation in the trunking system, in order to exclude sound bypass transmission via the floor sockets.

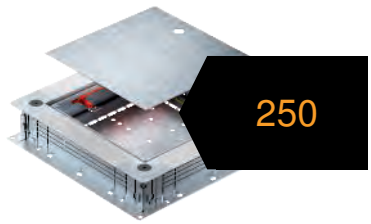
Horizontal transmission of air and footfall sound
With horizontal transmission of footfall sound, the system is suitable for fulfilling the increased recommendations in the sense of Supplementary Sheet 2 of DIN 4109 [4], provided that the screed is separate in the area of the partition.

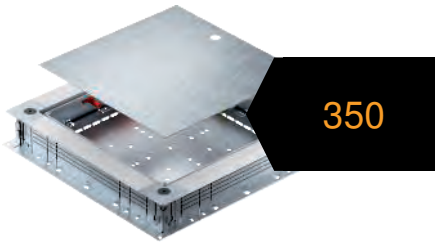
Vertical transmission of footfall sound
The EÜK floor system, including underfloor connection sockets, does not lead to a decrease of the required evaluated footfall sound reduction of a floating cement screed with regard to vertical transmission of footfall sound, should the underfloor boxes be decoupled.

Data taken from Report M88034/06 of 29th July 2014.

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Underfloor boxes





Function matrix, underfloor boxes, nominal size 250

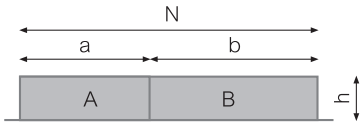
Underfloor socket	Insertable duct widths, nominal size	Height-adjustment range upper edge screed mm	Decouplable[1]	Suitable for SL application[2]	Possible device installation, nominal sizes
UZD 250-4	190, 250	80-160	Yes	Yes	2, 4, 6, 9, R2, R4
UZD 250-4 R	Installation pipes	80-160	Yes	Yes	2, 4, 6, 9, R2, R4
UZD 250-4 with ASH240	190, 250	160-240	Yes	Yes	2, 4, 6, 9, R2, R4
UZD 250-4 with ASH320	190, 250	240-320	Yes	No	2, 4, 6, 9, R2, R4

Function matrix, underfloor boxes, nominal size 350

Underfloor box	Insertable duct widths, nominal size	Height-adjustment range upper edge screed mm	Decouplable	Suitable for SL application	Possible device installation, nominal sizes
UZD 350-4	190, 250, 350	80-160	ja	ja	4,6,9, R2, R4, R7, R9
UZD 350-4 R	Installation pipes	80-160	ja	ja	4,6,9, R2, R4, R7, R9
UZD 350-4 with ASH240	190, 250, 350	160-240	ja	ja	4,6,9, R2, R4, R7, R9
UZD 350-4 with ASH320	190, 250, 350	240-320	ja	nein	4,6,9, R2, R4, R7, R9

Cable routing planning

Screed-covered ducts, 2-compartment

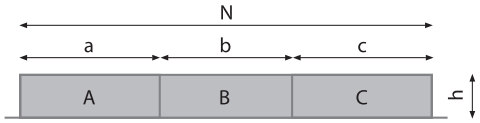


The following tables provide support when planning the cable routing in the underfloor trunking and show the recommended number of cables for each trunking type. The recommended number of cables takes into account a reserve of 50% in the trunking, in order to guarantee retroinstallation of cables.

Duct type	S2 19028-2	S2 19038-2	S2 19048-2	S2 25028-2	S2 25038-2	S2 25048-2	S2 25058-2
Duct height h (mm)	28	38	48	28	38	48	58
Nominal width N (mm)	190	190	190	250	250	250	250
Compartment width a (mm)	71	71	71	101	101	101	101
Compartment width b (mm)	102	102	102	132	132	132	132
Compartment A							
Cross-section A (mm²)	1924	2640	3413	2701	3717	4785	5800
Number of NYM[1][3] cables	7	14	18	10	20	25	30
Number of CAT[2][3] cables	12	15	19	17	22	28	33
Compartment B							
Cross-section B (mm²)	2706	3730	4805	3483	4807	6176	7500
Number of NYM[1][3] cables	10	20	25	13	26	33	39
Number of CAT[2][3] cables	17	22	28	22	29	37	44

[1] Heavy current cables NYM-J [3] x [2].5 mm, diameter = [1]0 mm, space requirement = [1]00 mm²
[2] CAT6 data cable, diameter = 9 mm, space requirement = 8[1] mm²
[3] The calculation of the number of cables relates to an assignment of 50%, meaning that an appropriate reserve remains

Screed-covered ducts, 3-compartment



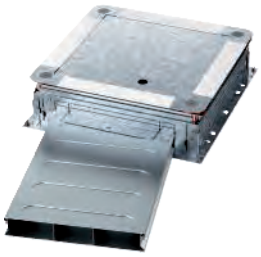
Trunking type	S3 25028-2	S3 25038-2	S3 25048-2	S3 25058-2	S3 35028-2	S3 35038-2	S3 35048-2	S3 35058-2
Duct height h (mm)	28	38	48	58	28	38	48	58
Nominal width N (mm)	250	250	250	250	350	350	350	350
Compartment width a (mm)	81	81	81	81	111	111		
Compartment width b (mm)	70	70	70	70	110	110	110	110
Compartment width c (mm)	81	81	81	81	111	111	111	111
Compartment A								
Cross-section A (mm²)	2183	2999	3799	4615	2,961	4077	5242	6358
Number of NYM[1][3] cables	12	16	20	24	16	22	28	33
Number of CAT[2][3] cables	14	18	23	27	18	24	30	36
Compartment B								
Cross-section B (mm²)	1798	2498	3184	3884	2835	3935	5013	6113
Number of NYM[1][3] cables	7	13	17	20	15	21	27	32
Number of CAT[2][3] cables	11th	14	18	21	17	23	29	35
Compartment C								
Cross-section C (mm²)	2167	2963	3782	4598	2945	4061	5226	6342
Number of NYM[1][3] cables	12	16	20	24	16	22	28	33
Number of CAT[2][3] cables	14	18	23	27	18	24	30	36

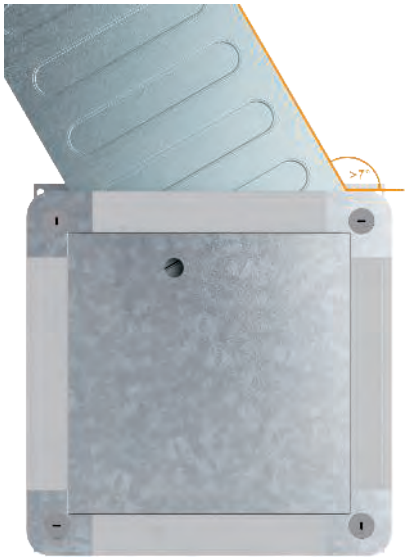
[1] Heavy current cables NYM-J 3 x 2.5 mm, diameter = 10 mm, space requirement = 100 mm².
[2] CAT6 data cable, diameter = 9 mm, space requirement = 81 mm².
[3] The calculation of the number of cables relates to an assignment of 50%, meaning that an appropriate reserve remains.

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Directional correction and sloping duct entries

The prepared duct openings of the underfloor boxes allow a slight change in direction or the sloping insertion of cables. The appropriate values can be found in the following tables.





Duct directional corrections (RK)
Small duct direction corrections (up to 7°) can be compensated in the entry openings of the underfloor boxes with an adaptation cut.

Sloping duct entries (SE)
With appropriate adaptation cuts, sloping duct entries (> 7°) can be created according to the box size and entry opening.

Box size	Nominal size of duct insertion opening	Nominal duct size 190	Nominal duct size 190	Nominal duct size 250	Nominal duct size 250	Nominal duct size 350	Nominal duct size 350
		RK bracket	SE bracket	RK bracket	SE bracket	RK bracket	SE bracket
250	190	7°	7°	-	-	-	-
	250	-	40°	7°	7°	-	-
350	190	7°	7°	-	-	-	-
	250	-	40°	7°	7°		
	350	-	53°	-	42°	7°	7°

Standard data

To DIN EN 50085-1 and DIN EN 50085-2-2

Class		Underfloor ducts type S2 / S3	Underfloor boxes type UZD / UGD
6.2	According to impact resistance for installation and application		
6.2.7	Electrical installation trunking systems for impact energy 20 J	20 J	20 J
6.3	According to temperatures, as specified in Tables 1, 2 and 3		
Table 1	Minimum storage and transport temperatures ± 2 °C	–25 °C	–25 °C
Table 2	Minimum installation and application temperatures ± 2 °C	+5 °C	+5 °C
Table 3	Application temperatures ± 2 °C	+60 °C	+60 °C
6.4	According to the resistance against fire spread		
6.4.2	Electrical installation trunking systems which do not permit the spread of fire	x	x
6.5	According to the electrical conductivity		
6.5.1	Electrical installation trunking systems with electrical conductivity	x	x
6.6	According to the electrical insulation property		
6.6.1	Electrical installation trunking systems without electrical insulation capability	x	x
6.7	According to the protection ratings offered by the housing or casing to EN 60529:1991		
6.7.1	According to protection against ingress of solid foreign bodies	x	x
6.7.2	According to protection against ingress of water		
6.102	According to resistance to vertical loads affecting a small surface area		
6.102.2	Electrical installation trunking systems for 750 N	x	
6.102.7	Electrical installation duct systems for 3,000 N		x
6.103	According to resistance to vertical loads affecting a large surface area		
6.103.3	Electrical installation duct systems for 5,000 N		x
6.103.5[1]	Electrical installation duct systems for 15,000 N		x

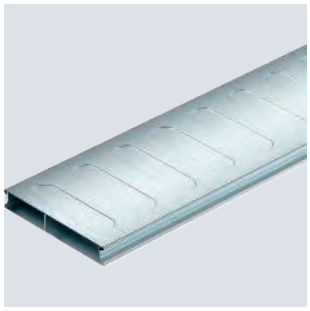
[1] Test UZD with heavy-duty mounting lid DUG 250-3 4SL.

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EÜK underfloor installation duct, 28 mm

St FS

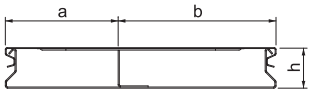
Underfloor duct, 2 pieces, 2-compartment, duct height 28 mm



Type	Width mm	Length mm	Height mm	Number of compartments pc.	Min. ordering quantity m	Item no.
S2 19028-2	190	2000	28	2	2	**7400256**
S2 25028-2	250	2000	28	2	2	**7400265**

Underfloor duct (2 piece) for routing cables in screed-covered underfloor systems, according to EN 50085-2-2. Removable and continuously lockable duct cover. With separating retainer in the duct base.

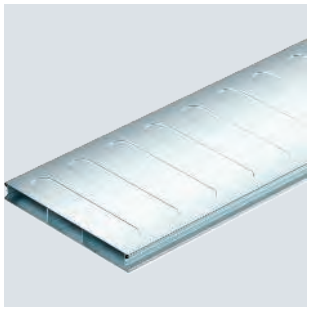
Dimensions



Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
S2 19028-2	80	110	28	1923	2706
S2 25028-2	110	140	28	2701	3483

St FS

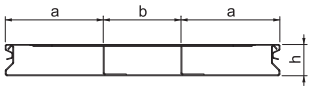
Underfloor duct, 2 pieces, 3-compartment, duct height 28 mm



Type	Width mm	Length mm	Height mm	Number of compartments pc.	Min. ordering quantity m	Item no.
S3 25028-2	250	2000	28	3	2	**7400275**
S3 35028-2	350	2000	28	3	2	**7400287**

Underfloor duct (2 piece) for routing cables in screed-covered underfloor systems, according to EN 50085-2-2. Removable and continuously lockable duct cover. With separating retainer in the duct base.

Dimensions



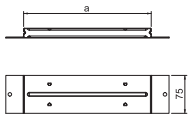
Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
S3 25028-2	90	70	28	2166	1798
S3 35028-2	120	110	28	2944	2834

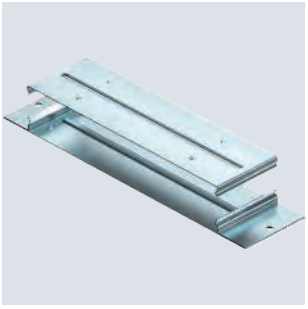
Always indicate the item number when ordering.

St FS

Connection shackle, conductive, for EÜK-2

Type	Dim. a mm	Duct height mm	Min. ordering quantity Piece		Item no.
VL 190-2	190	28-48	1		**7400988**
VL 250-2	250	28-58	1		**7400992**
VL 350-2	350	28-58	1		**7400996**



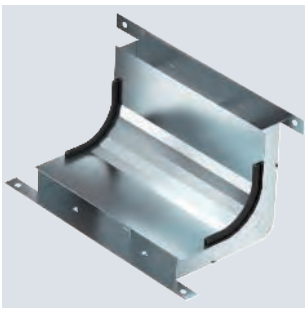


Connection shackle for mounting screed-covered underfloor installation ducts. The connection shackle snaps in to the duct sidewalls.

St FS

Vertical bend, two-compartment, height 28 mm

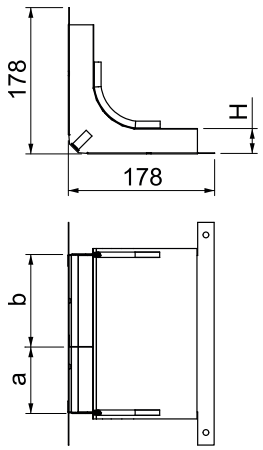
Type	Width mm	Number of compartments pc.	Min. ordering quantity Piece		Item no.
KV2 19028-2	190	2	1		**7400621**
KV2 25028-2	250	2	1		**7400633**



Vertical bend, two-compartment, for vertical direction changes of screed-covered underfloor ducts (wall connections, supplies).

Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
KV2 19028-2	80	110	28	1923	2706
KV2 25028-2	110	140	28	2701	3483

Dimensions

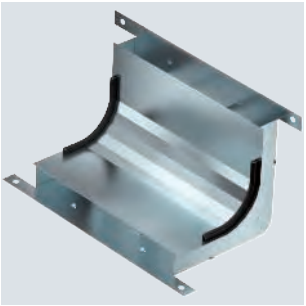


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EÜK underfloor installation duct, 28 mm

Vertical bend, three-compartment, height 28 mm

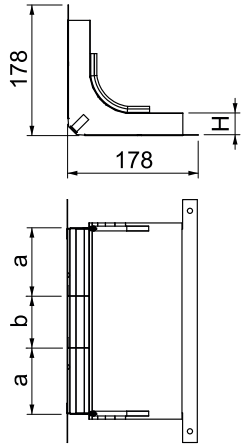
St FS



Type	Width mm	Number of compartments pc.	Min. ordering quantity Piece	Item no.
KV3 25028-2	250	3	1	**7400645**
KV3 35028-2	350	3	1	**7400657**

Vertical bend, two-compartment, for vertical direction changes of screed-covered underfloor ducts (wall connections, supplies).

Dimensions



Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
KV3 25028-2	90	70	28	2166	1798
KV3 35028-2	120	110	28	2944	2834

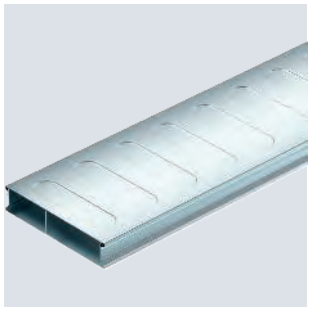
Always indicate the item number when ordering.

St FS

Underfloor duct, 2 pieces, 2-compartment, duct height 38 mm

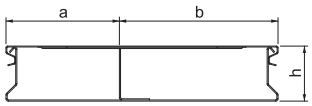
Type	Width mm	Length mm	Height mm	Number of compartments pc.	Min. ordering quantity m	Item no.
S2 19038-2	190	2000	38	2	2	**7400258**
S2 25038-2	250	2000	38	2	2	**7400267**

Underfloor duct (2 piece) for routing cables in screed-covered underfloor systems, according to EN 50085-2-2. Removable and continuously lockable duct cover. With separating retainer in the duct base.



Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
S2 19038-2	80	110	38	2639	3730
S2 25038-2	110	140	38	3717	4807

Dimensions

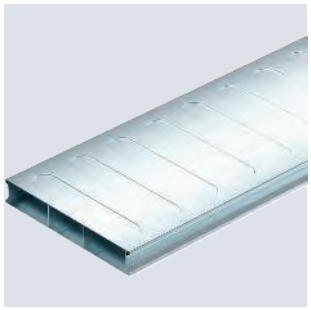


St FS

Underfloor duct, 2 pieces, 3-compartment, duct height 38 mm

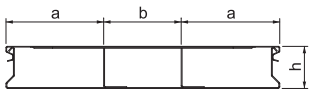
Type	Width mm	Length mm	Height mm	Number of compartments pc.	Min. ordering quantity m	Item no.
S3 25038-2	250	2000	38	3	2	**7400279**
S3 35038-2	350	2000	38	3	2	**7400289**

Underfloor duct (2 piece) for routing cables in screed-covered underfloor systems, according to EN 50085-2-2. Removable and continuously lockable duct cover. With separating retainer in the duct base.



Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
S3 25038-2	90	70	38	2962	2498
S3 35038-2	120	110	38	4060	3934

Dimensions

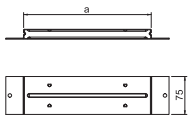


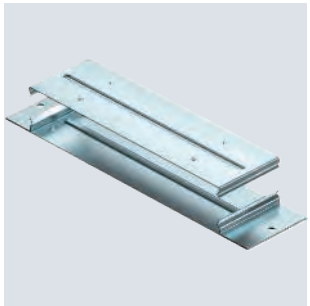
St FS

Connection shackle, conductive, for EÜK-2

Type	Dim. a mm	Duct height mm	Min. ordering quantity Piece	Item no.
VL 190-2	190	28-48	1	**7400988**
VL 250-2	250	28-58	1	**7400992**
VL 350-2	350	28-58	1	**7400996**

Connection shackle for mounting screed-covered underfloor installation ducts. The connection shackle snaps in to the duct sidewalls.

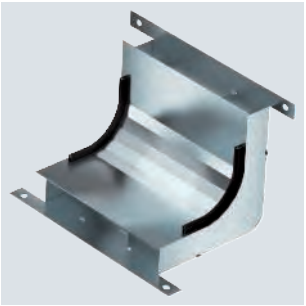




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Vertical bend, two-compartment, height 38 mm

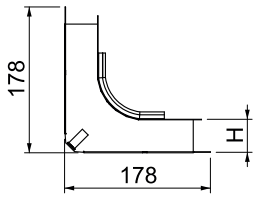
St FS

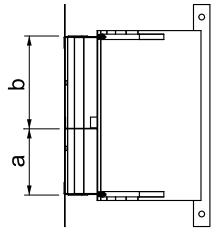


Type	Width mm	Number of compartments pc.	Height mm	Min. ordering quantity Piece	Item no.
KV2 19038-2	190	2	38	1	**7400623**
KV2 25038-2	250	2	38	1	**7400637**

Vertical bend, two-compartment, for vertical direction changes of screed-covered underfloor ducts (wall connections, supplies).

Dimensions

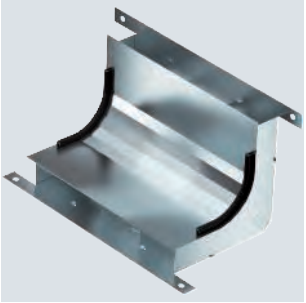




Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
KV2 19038-2	80	110	38	2639	3730
KV2 25038-2	110	140	38	3717	4807

Vertical bend, three-compartment, height 38 mm

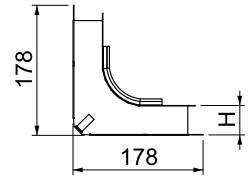
St FS

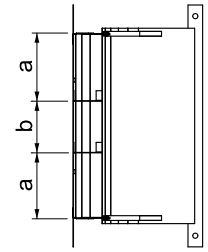


Type	Width mm	Number of compartments pc.	Min. ordering quantity Piece	Item no.
KV3 25038-2	250	3	1	**7400650**
KV3 35038-2	350	3	1	**7400662**

Vertical bend, two-compartment, for vertical direction changes of screed-covered underfloor ducts (wall connections, supplies).

Dimensions





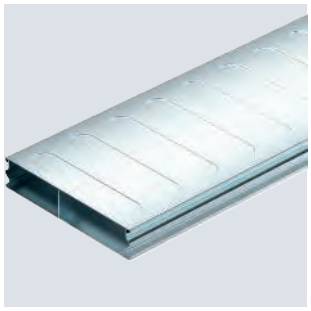
Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
KV3 25038-2	90	70	38	2982	2496
KV3 35038-2	120	110	38	4060	3934

St FS

Underfloor duct, 2 pieces, 2-compartment, duct height 48 mm

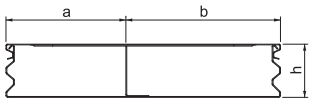
Type	Width mm	Length mm	Height mm	Number of compartments pc.	Min. ordering quantity m	Item no.
S2 25048-2	250	2000	48	2	2	**7400269**
S2 19048-2	190	2000	48	2	2	**7400261**

Underfloor duct (2 piece) for routing cables in screed-covered underfloor systems, according to EN 50085-2-2. Removable and continuously lockable duct cover. With separating retainer in the duct base.



Dimensions

Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
S2 25048-2	110	140	48	4784	6176
S2 19048-2	80	110	48	3413	4804

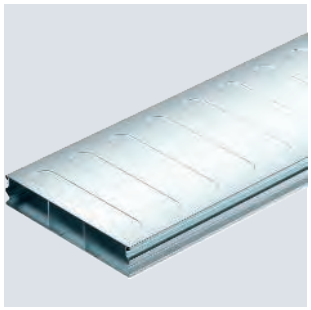


St FS

Underfloor duct, 2 pieces, 3-compartment, duct height 48 mm

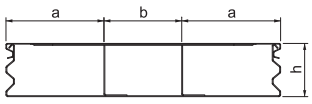
Type	Width mm	Length mm	Height mm	Number of compartments pc.	Min. ordering quantity m	Item no.
S3 25048-2	250	2000	48	3	2	**7400281**
S3 35048-2	350	2000	48	3	2	**7400291**

Underfloor duct (2 piece) for routing cables in screed-covered underfloor systems, according to EN 50085-2-2. Removable and continuously lockable duct cover. With separating retainer in the duct base.



Dimensions

Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
S3 25048-2	90	70	48	3854	3184
S3 35048-2	120	110	48	5225	5012

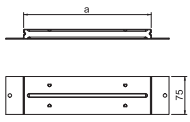


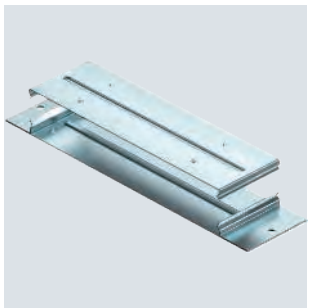
St FS

Connection shackle, conductive, for EÜK-2

Type	Dim. a mm	Duct height mm	Min. ordering quantity Piece	Item no.
VL 190-2	190	28-48	1	**7400988**
VL 250-2	250	28-58	1	**7400992**
VL 350-2	350	28-58	1	**7400996**

Connection shackle for mounting screed-covered underfloor installation ducts. The connection shackle snaps in to the duct sidewalls.

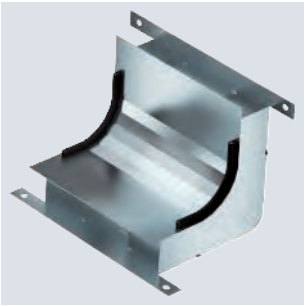




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Vertical bend, two-compartment, height 48 mm

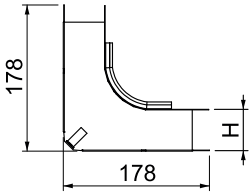
St FS

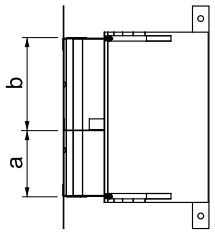


Type	Width mm	Number of compartments pc.	Min. ordering quantity Piece	Item no.
KV2 19048-2	190	2	1	**7400629**
KV2 25048-2	250	2	1	**7400641**

Vertical bend, two-compartment, for vertical direction changes of screed-covered underfloor ducts (wall connections, supplies).

Dimensions

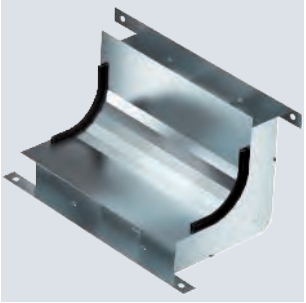




Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
KV2 19048-2	80	110	48	3413	4804
KV2 25048-2	110	140	48	4784	6176

Vertical bend, three-compartment, height 48 mm

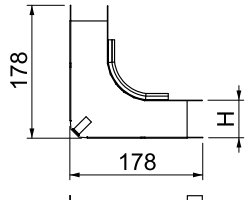
St FS

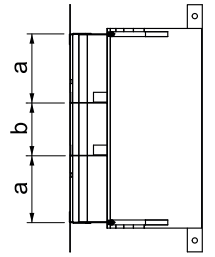


Type	Width mm	Number of compartments pc.	Min. ordering quantity Piece	Item no.
KV3 25048-2	250	3	1	**7400653**
KV3 35048-2	350	3	1	**7400665**

Vertical bend, two-compartment, for vertical direction changes of screed-covered underfloor ducts (wall connections, supplies).

Dimensions





Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
KV3 25048-2	90	70	48	3854	3184
KV3 35048-2	120	110	48	5225	5012

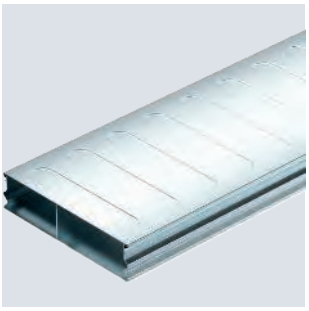
Always indicate the item number when ordering.

St FS

Underfloor duct, 2 pieces, 2-compartment, duct height 58 mm

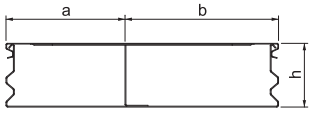
Type	Width mm	Length mm	Height mm	Number of compartments pc.	Min. ordering quantity m	Item no.
S2 25058-2	250	2000	58	2	2	**7400271**

Underfloor duct (2 piece) for routing cables in screed-covered underfloor systems, according to EN 50085-2-2. Removable and continuously lockable trunking lid. With separating retainer in the trunking base. Only compatible with the UZD250-4/350-4.



Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
S2 25058-2	110	140	58	5800	7500

Dimensions

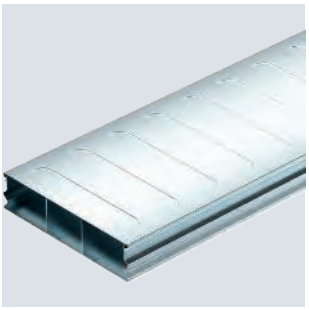


St FS

Underfloor duct, 2 pieces, 3-compartment, duct height 58 mm

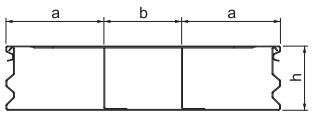
Type	Width mm	Length mm	Height mm	Number of compartments pc.	Min. ordering quantity m	Item no.
S3 25058-2	250	2000	58	3	2	**7400283**
S3 35058-2	350	2000	58	3	2	**7400293**

Underfloor duct (2 piece) for routing cables in screed-covered underfloor systems, according to EN 50085-2-2. Removable and continuously lockable trunking lid. With separating retainer in the trunking base. Only compatible with the UZD250-4/350-4.



Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
S3 25058-2	90	70	58	4670	3884
S3 35058-2	120	110	58	6341	6112

Dimensions

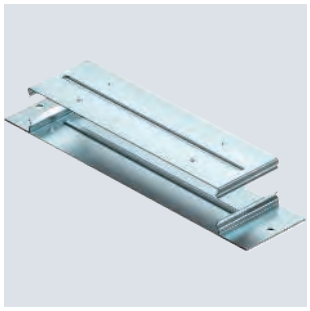


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EÜK underfloor installation duct, 58 mm

Connection shackle, conductive, for EÜK-2

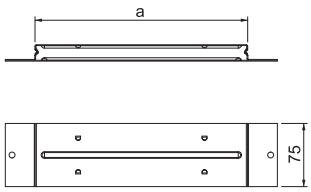
St FS



Type	Dim. a mm	Duct height mm	Min. ordering quantity Piece		Item no.
VL 190-2	190	28-48	1		**7400988**
VL 250-2	250	28-58	1		**7400992**
VL 350-2	350	28-58	1		**7400996**

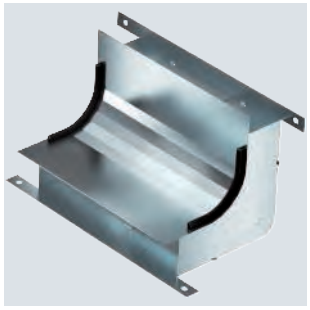
Connection shackle for mounting screed-covered underfloor installation ducts. The connection shackle snaps in to the duct sidewalls.

Dimensions



Vertical bend, two-compartment, height 58 mm

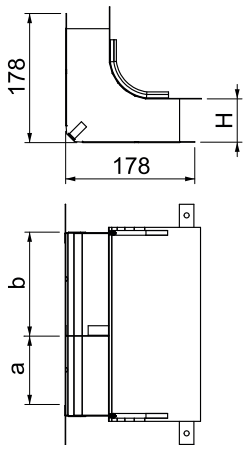
St FS



Type	Width mm	Number of compartments pc.	Min. ordering quantity Piece		Item no.
KV2 25058-2	250	2	1		**7400643**

Vertical bend, two-compartment, for vertical direction changes of screed-covered underfloor ducts (wall connections, supplies). Only compatible with the UZD250-4/350-4

Dimensions



Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
KV2 25058-2	110	140	58	5800	7500

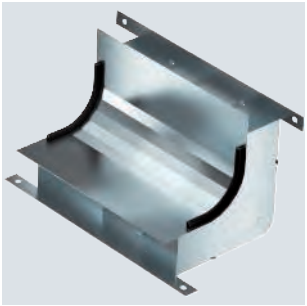
Always indicate the item number when ordering.

St FS

Vertical bend, three-compartment, height 58 mm

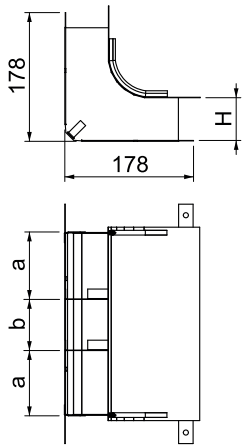
Type	Width mm	Number of compartments pc.	Min. ordering quantity Piece	Item no.
KV3 25058-2	250	3	1	**7400655**
KV3 35058-2	350	3	1	**7400667**

Vertical bend, two-compartment, for vertical direction changes of screed-covered underfloor ducts (wall connections, supplies). Only compatible with the UZD250-4/350-4



Type	Dim. a mm	Dim. b mm	Dim. h mm	Cross-section draw a mm²	Cross-section draw b mm²
KV3 25058-2	90	70	58	4670	3884
KV3 35058-2	120	110	58	6341	6112

Dimensions

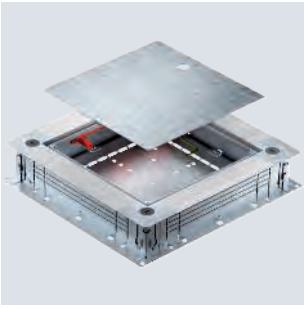


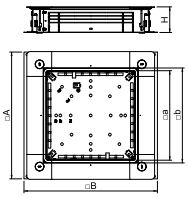
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EÜK underfloor boxes 250

UZD250-4 junction and branch box

St FS



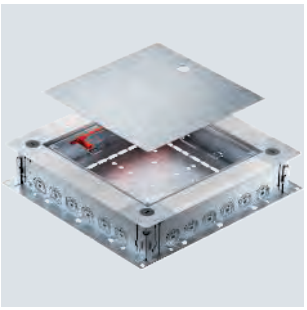


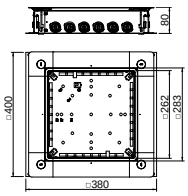
Type	Dim. A mm	Dim. B mm	Dim. a mm	Dim. b mm	Duct height mm	Screed height mm	Min. ordering quantity Piece		Item no.
UZD250-4	380	400	262	283	28-58	80-160	1		**7410022**

Junction and branch box for screed-covered underfloor installation duct with sheet steel side walls. For mounting of installation units in the mounting cover (to be ordered separately). Can be infinitely adjusted to a nominal screed height of 80–160 mm using the quick height-adjustment unit. The screed can be worked up to be flush with the screed draw-off edge. With noise decoupling option after screed laying and can also be used with system accessories for heavy-duty applications. Insertion of cables with the 2-part EÜK duct.

UZD250-4 R junction and branch box

St FS





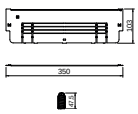
Type	Dim. A mm	Dim. B mm	Dim. a mm	Dim. b mm	Screed height mm	Min. ordering quantity Piece		Item no.
UZD250-4 R	380	400	262	283	80-160	1		**7410026**

Junction and branch box for screed-covered underfloor installation duct with sheet steel side walls. For mounting of installation units in the mounting cover (to be ordered separately). Can be infinitely adjusted to a nominal screed height of 80–160 mm using the quick height-adjustment unit. The screed can be worked up to be flush with the screed draw-off edge. With noise decoupling option after screed laying and can also be used with system accessories for heavy-duty applications. Insertion of cables through the pipe entries.

Height-compensation kit ASH 250-4 240

St FS



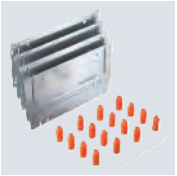


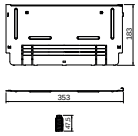
Type	Screed height mm	Dim. A mm	Dim. B mm	Dim. l mm	Min. ordering quantity PU		Item no.
ASH 250-4 240	160-240	350	103	47.5	1		**7410134**

Height-compensation kit for UZD250-4 underfloor boxes with a construction height of 160 to 240 mm for construction-side raising of the UZD.

Height-compensation kit ASH 250-4 320

St FS





Type	Screed height mm	Dim. A mm	Dim. B mm	Dim. l mm	Min. ordering quantity PU		Item no.
ASH 250-4 320	240-320	353	183	47.5	1		**7410136**

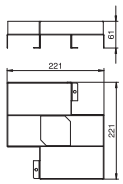
Height-compensation kit for UZD250-4 underfloor boxes with a construction height of 240 to 320 mm for construction-side raising of the UZD.

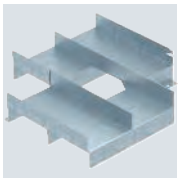
Always indicate the item number when ordering.

St FS

Separating element, intersection, for UZD250-3 and UGD250-3

Type	Min. ordering quantity Piece	Item no.
UZD CC2 250250	1	7428134





Separating element, three-compartment, for intersections in a UZD250-3 or UGD250-3 underfloor box, for branching-off ducts with a width of 250 mm.

St FS

Separating retainer for UZD250-3 and UGD250-3

Type	Min. ordering quantity Piece	Item no.
UZD BD2	1	7428120



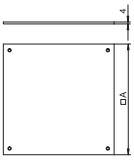


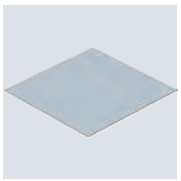
Separating retainer for multi-compartment division of the box interior.

St FS

Blanking lid for UZD250-3/4

Type	Dim. A mm	Min. ordering quantity Piece	Item no.
DU 250-2	282	1	7400573



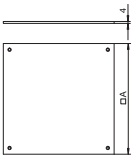


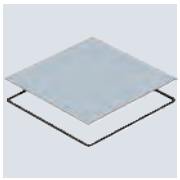
Blanking lid for frameless end cover of the underfloor junction and branch boxes of type UZD250-3/4.

St FS

Blanking lid, moisture-protected, for UZD250-3/4

Type	Dim. A mm	Min. ordering quantity Piece	Item no.
DUF 250-2	282	1	7400589



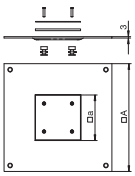


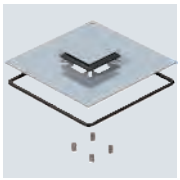
Blanking lid for moisture-protected, frameless end cover of the underfloor junction and branch boxes of type UZD250-3/4.

St FS

Mounting lid for UZD250-3/4

Type	Mounting opening	Floor care	Min. ordering quantity Piece	Item no.
DUF 250-3DAT	Square	Wet	1	7400613





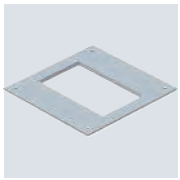
Mounting lid for underfloor junction and branch box of type UZD250-3/4. Installation opening 3 mm recessed as a later blanking lock with lid blind plate.

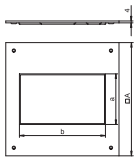
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EÜK underfloor boxes 250

Mounting lid 250, nominal size 2

St FS



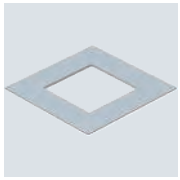


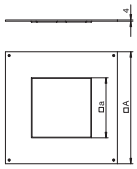
Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 250-3 2	250	2	Rectangular	1		**7400455**

Mounting lid for underfloor junction and branch box of type UZD250-3/4 for the installation of an installation unit of nominal size 2. Installation opening 3 mm recessed for later blanking lock with lid blind plate.

Mounting lid 250, nominal size 4

St FS



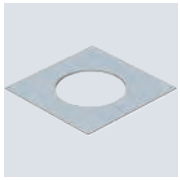


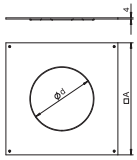
Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 250-3 4	250	4	Square	1		**7400459**

Mounting lid for underfloor junction and branch box of type UZD250-3/4 for the installation of an installation unit of nominal size 4. Installation opening 3 mm recessed for later blanking lock with lid blind plate.

Mounting lid 250 for installation units of nominal size R4

St FS



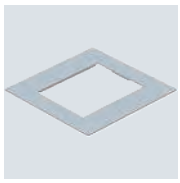


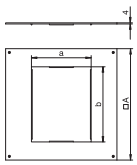
Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 250-3 R4	250	R4	Round	1		**7400471**

Mounting lid for underfloor junction and branch boxes of type UZD350-3/4 for the installation of an installation unit of nominal size R4. Installation opening 3 mm recessed as a later blanking lock with lid blind plate.

Mounting lid 250, nominal size 6

St FS



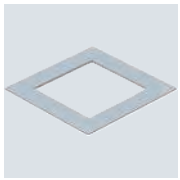


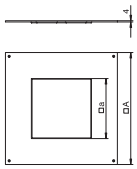
Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 250-3 6	250	6	Rectangular	1		**7400463**

Mounting lid for underfloor junction and branch box of type UZD250-3/4 for the installation of an installation unit of nominal size 6. Installation opening 3 mm recessed for later blanking lock with lid blind plate.

Mounting lid 250 for installation units of nominal size 9

St FS





Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 250-3 9	250	9	Square	1		**7400467**

Mounting lid for underfloor junction and branch box of type UZD250-3/4 for the installation of an installation unit of nominal size 9. Installation opening 3 mm recessed for later blanking lock with lid blind plate.

Always indicate the item number when ordering.

St FS

CE

Mounting lid 250, nominal size GES R2

Type	Nominal size mm	Min. ordering quantity Piece	Item no.
DUG 250-3 R2	250	1	7400456



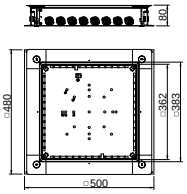
Mounting lid for underfloor junction and branch boxes of type UZD250-3/-4 for the installation of an installation unit of nominal size GES R2.

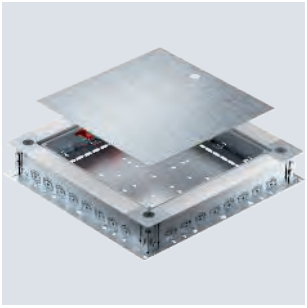
St FS

CE DVE

UZD350-4 R junction and branch box

Type	Dim. A mm	Dim. B mm	Dim. a mm	Dim. b mm	Screed height mm	Min. ordering quantity Piece	Item no.
UZD350-4 R	480	500	362	383	80-160	1	7410025





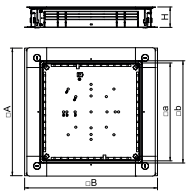
Junction and branch box UZD350-4 R with side walls made of sheet steel. For mounting of installation units in the mounting lid (to be ordered separately). Can be infinitely adjusted to a nominal screed height of 80–160 mm using the quick height-adjustment unit. The screed can be worked up to be flush with the screed edge. With an acoustic decoupling option after screed laying, and with system accessories, it can be used for heavy-duty applications. Insertion of cables through the pipe entries. Pipe entry per side suitable for 8 installation pipes each of the diameters M20, M25 and M32

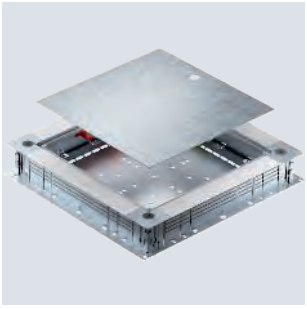
St FS

CE DVE

UZD350-4 junction and branch box

Type	Dim. A mm	Dim. B mm	Dim. a mm	Dim. b mm	Duct height mm	Screed height mm	Min. ordering quantity Piece	Item no.
UZD350-4	480	500	362	383	28-58	80-160	1	7410023





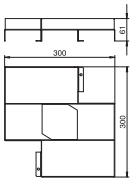
Junction and branch box for screed-covered underfloor installation duct with sheet steel side walls. For mounting of installation units in the mounting cover (to be ordered separately). Can be infinitely adjusted to a nominal screed height of 80–160 mm using the quick height-adjustment unit. The screed can be worked up to be flush with the screed draw-off edge. With noise decoupling option after screed laying and can also be used with system accessories for heavy-duty applications. Insertion of cables with the 2-part EÜK duct.

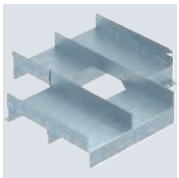
St FS

CE

Separating element, intersection, for UZD350-3 and UGD350-3

Type	Min. ordering quantity Piece	Item no.
UZD CC3 350350	1	7428136





Separating element, three-compartment, for intersections in a UZD350-3 or UGD350-3 underfloor box, for branching-off ducts with a width of 350 mm.

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Separating retainer for UZD350-3 and UGD350-3

St FS





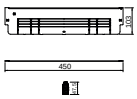
Type	Min. ordering quantity Piece	Item no.
UZD BD3	1	7428122

Separating retainer for three-compartment division of the box interior.

Height-compensation kit ASH 350-4 240

St FS





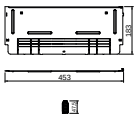
Type	Screed height mm	Dim. A mm	Dim. B mm	Dim. l mm	Min. ordering quantity PU	Item no.
ASH 350-4 240	160-240	450	103	47.5	1	7410138

Height-compensation kit for UZD350-4 underfloor boxes with a construction height of 160 to 240 mm for construction-side raising of the UZD.

Height-compensation kit ASH 350-4 320

St FS



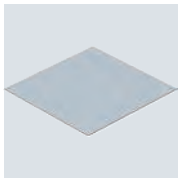


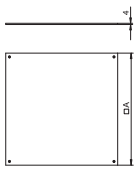
Type	Screed height mm	Dim. A mm	Dim. B mm	Dim. l mm	Min. ordering quantity PU	Item no.
ASH 350-4 320	240-320	453	183	47.5	1	7410140

Height-compensation kit for UZD350-4 underfloor boxes with a construction height of 240 to 320 mm for construction-side raising of the UZD.

Blanking lid for UZD350

St FS



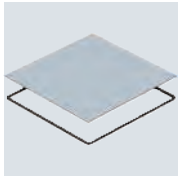


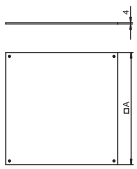
Type	Dim. A mm	Min. ordering quantity Piece	Item no.
DU 350-2	383	1	7400577

Blanking lid for frameless end cover of the underfloor junction and branch boxes of type UZD350.

Blanking lid, moisture-protected, for UZD350

St FS





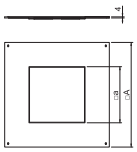
Type	Dim. A mm	Min. ordering quantity Piece	Item no.
DUF 350-2	383	1	7400597

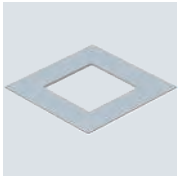
Blanking lid for moisture-protected, frameless end cover of the underfloor junction and branch boxes of type UZD350-3/4.

St FS

Mounting cover 350, nominal size 4

Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 350-3 4	350	4	Square	1		**7400505**



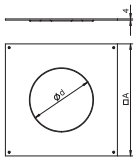


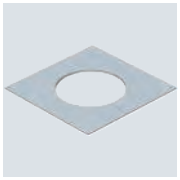
Mounting lid for underfloor junction and branch box of type UZD350-3 and UZD350-4 for the installation or creation of an installation unit. Installation opening 3 mm recessed as a later blanking lock with lid blind plate.

St FS

Mounting lid 350, nominal size R4

Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 350-3 R4	350	R4	Round	1		**7400517**



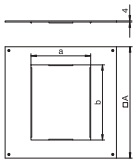


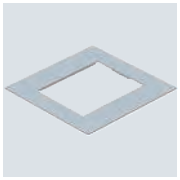
Mounting lid for underfloor junction and branch boxes of type UZD350-3/4 for the installation of an installation unit of nominal size R4. Installation opening 3 mm recessed as a later blanking lock with lid blanking plate.

St FS

Mounting lid 350, nominal size 6

Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 350-3 6	350	6	Rectangular	1		**7400509**



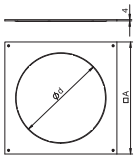


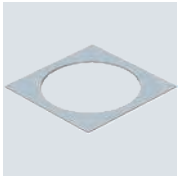
Mounting lid for underfloor junction and branch box of type UZD350-3/4 for the installation of an installation unit of nominal size 6. Installation opening 3 mm recessed for later blanking lock with lid blanking plate.

St FS

Mounting lid 350, nominal size R7

Type	Dim. d Ø mm	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 350-3 R7	275	350	R7	Round	1		**7400533**



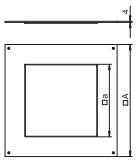


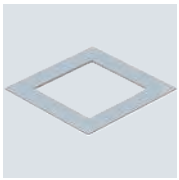
Mounting lid for underfloor junction and branch boxes of type UZD350-3/4 for the installation of an installation unit of nominal size R7. Installation opening 3 mm recessed as a later blanking lock with lid blanking plate.

St FS

Mounting lid 350, nominal size 9

Type	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 350-3 9	350	9	Square	1		**7400513**





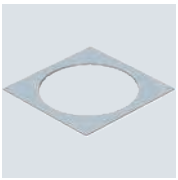
Mounting lid for underfloor junction and branch box of type UZD350-3/4 for the installation of an installation unit of nominal size 9. Installation opening 3 mm recessed for later blanking lock with lid blanking plate.

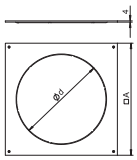
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EÜK underfloor boxes 350

Mounting lid 350, nominal size R9

St FS



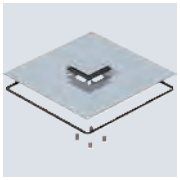


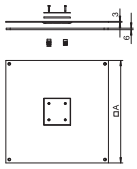
Type	Dim. d Ø mm	Nominal size mm	Nominal size	Mounting opening	Min. ordering quantity Piece		Item no.
DUG 350-3 R9	305	350	R9	Round	1		**7400549**

Mounting lid for underfloor junction and branch boxes of type UZD350-3/4 for the installation of an installation unit of nominal size R9. Installation opening 3 mm recessed as a later blanking lock with lid blanking plate.

Mounting lid 350 for Telitank

St FS



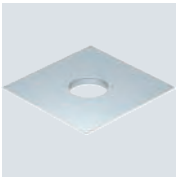


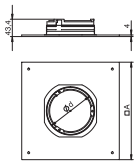
Type	Nominal size mm	Mounting opening	Min. ordering quantity Piece		Item no.
DUF 350-3 DAT	350	Square	1		**7400431**

Mounting lid for underfloor junction and branch box of type UZD350-3/4 to install a Telitank. Installation opening 3 mm recessed as a later blanking lock with lid blanking plate.

Mounting cover 350, nominal size GES R2

St FS



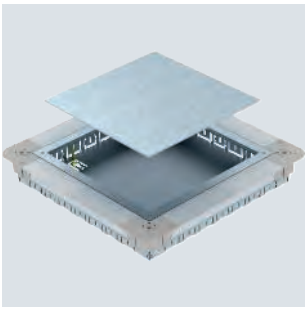


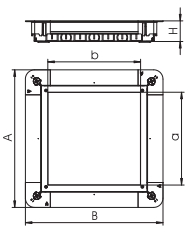
Type	Nominal size mm	Min. ordering quantity Piece		Item no.
DUG 350-3 R2	350	1		**7400503**

Blanking lid for underfloor junction and branch box of type UZD350-3/4 for the installation of a GES R2 installation unit.

UGD250-3 underfloor box for GES9/55

St FS





Type	Dim. A mm	Dim. B mm	Dim. a mm	Dim. b mm	Dim. H mm	Screed height mm	Min. ordering quantity Piece		Item no.
UGD55 250-3 9R	367	367	244	244	55	55-80	1		**7410060**

Underfloor accessory box with mounting lid and lid blanking plate with sheet steel side walls. For the installation of a square GES9 55 service outlet in screed heights of 55 mm or more. Height can be infinitely adjusted to the nominal screed height and the screed can be worked flush to the screed scraping edge. With 7 x M20, 3 x M25, 4 x M32 pipe insertion openings on each side. Usable pipe size at a system height of 55 mm: M20.

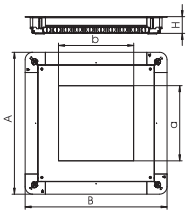
Always indicate the item number when ordering.

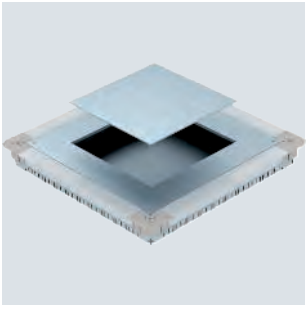
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Underfloor box UGD350-3 for GES9/55

Type	Dim. A mm	Dim. B mm	Dim. a mm	Dim. b mm	Dim. H mm	Screed height mm	Min. ordering quantity Piece	Item no.
UGD55 350-3 9R	467	467	244	244	55	55-80	1	**7410062**

Underfloor accessory box with mounting lid and lid blanking plate with sheet steel side walls. For the installation of a square GES9 55 service outlet in screed heights of 55 mm or more. Height can be infinitely adjusted to the nominal screed height and the screed can be worked flush to the screed scraping edge. With 7 x M20, 3 x M25, 4 x M32 pipe insertion openings on each side. Usable pipe size at a system height of 55 mm: M20.



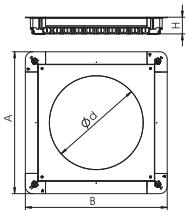


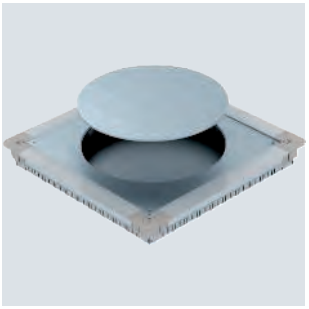
St FS

Underfloor box UGD350-3 for GESR9/55

Type	Dim. A mm	Dim. B mm	Dim. d Ø mm	Dim. H mm	Screed height mm	Min. ordering quantity Piece	Item no.
UGD55 350-3R9R	467	467	305	55	55-80	1	**7410064**

Underfloor accessory box with mounting lid and lid blanking plate with sheet steel side walls. For the installation of a square GES9 55 service outlet in screed heights of 55 mm or more. Height can be infinitely adjusted to the nominal screed height and the screed can be worked flush to the screed scraping edge. With 7 x M20, 3 x M25, 4 x M32 pipe insertion openings on each side. Usable pipe size at a system height of 55 mm: M20.





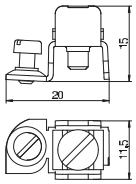
St G

Protective conductor connection bracket

Type	Min. ordering quantity Piece	Item no.
8AWR	10	**6288704**

Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor duct systems in the protective measure.
Clamping area: 2 x 1.5–4 mm²

If there is a fault, metallic parts will carry voltage. Tighten the contact screw with at least 1.2 Nm or ensure the contact with mechanical work.

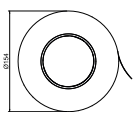


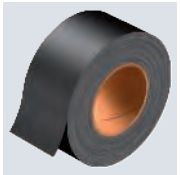


Adhesive tape

Type	Length m	Width mm	Thickness mm	Min. ordering quantity Piece	Item no.
KB 50	50	48	0.25	1	**7400558**

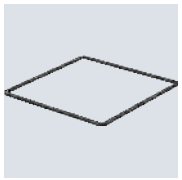
The adhesive tape is used to seal and stabilise underfloor systems.

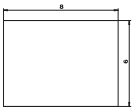




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Frame seal



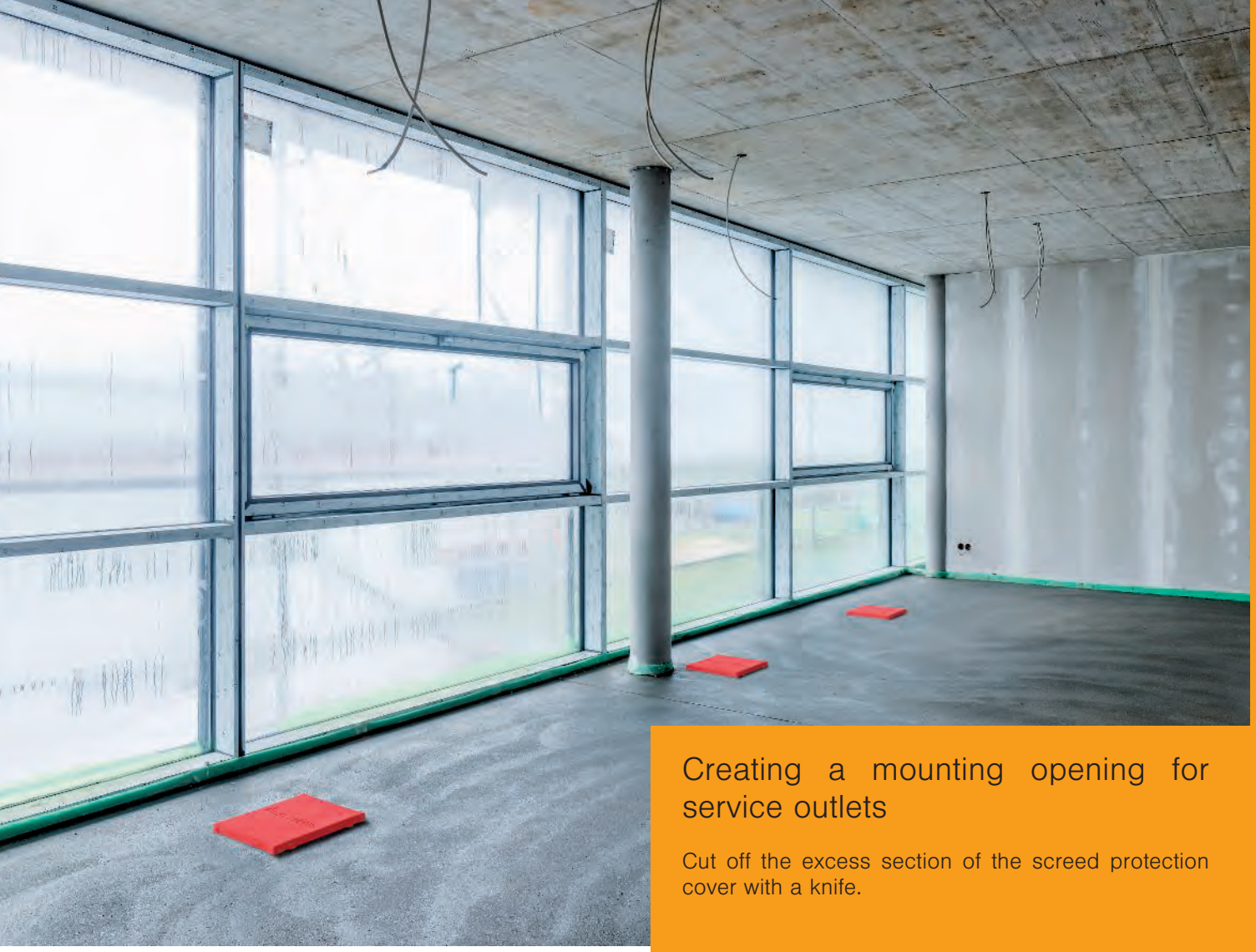


Type	Nominal size	Min. ordering quantity Piece	Item no.
FD 250-2	250	1	**7400784**
FD 350-02	350	1	**7400788**

Frame seal as flat seal of nominal size 250-2 and 250-3 for UZD/UGD underfloor sockets.

Screed-covered EÜK duct system, self-levelling





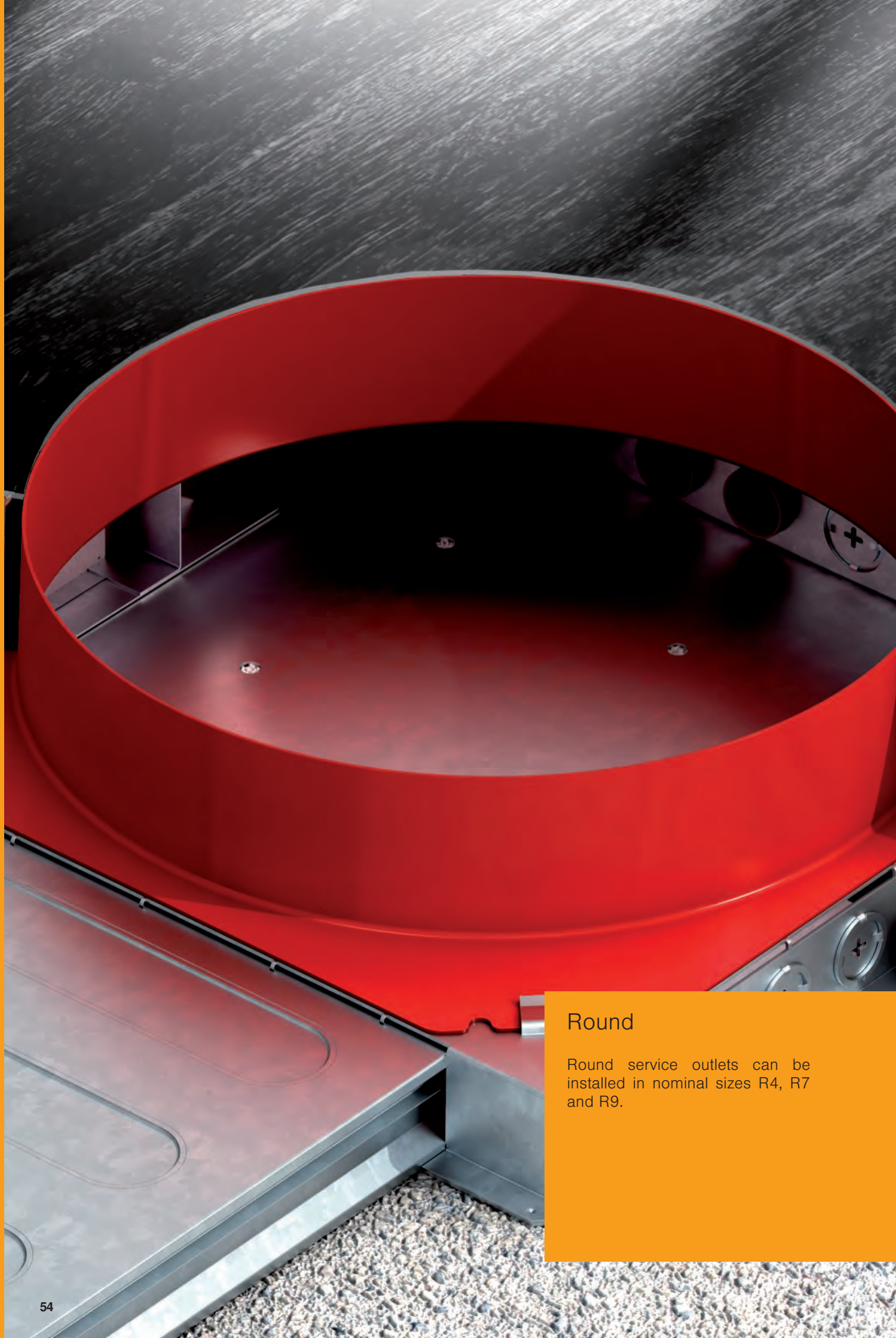
Creating a mounting opening for service outlets

Cut off the excess section of the screed protection cover with a knife.



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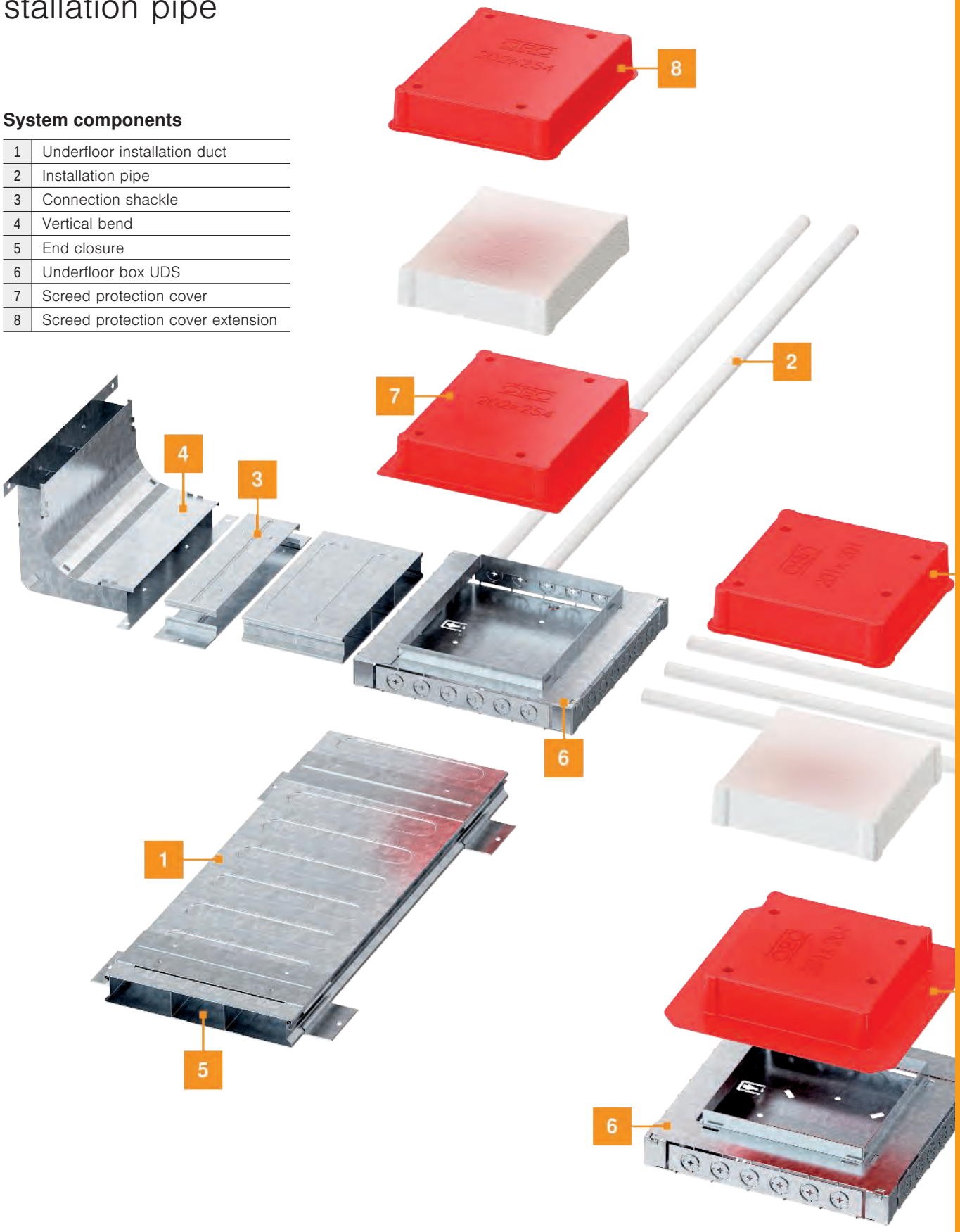
Round

Round service outlets can be installed in nominal sizes R4, R7 and R9.

Screed-covered duct system, EÜK with metal duct and installation pipe

System components

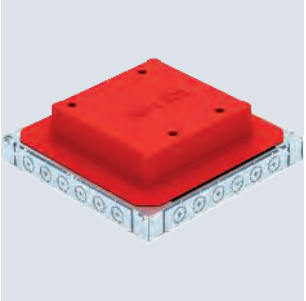
1	Underfloor installation duct
2	Installation pipe
3	Connection shackle
4	Vertical bend
5	End closure
6	Underfloor box UDS
7	Screed protection cover
8	Screed protection cover extension

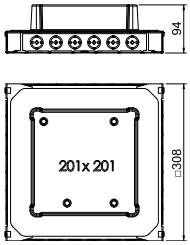


EÜK-SN underfloor connection socket, for metal ducts, self-adjusting

Underfloor box UDS4 for installation pipe and metal duct

St FS



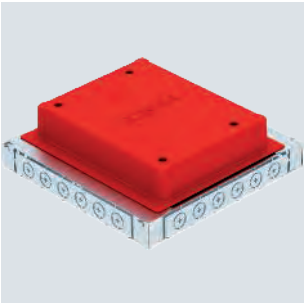


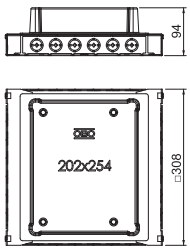
Type	Screed height mm	Nominal size	Min. ordering quantity Piece	Item no.
UDSSD 25038 4	65-90	4	1	**7400349**

Underfloor outlet box with fixed, unchangeable 201 x 201 mm installation opening for an installation unit of nominal size 4. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

Underfloor box UDS6 for installation pipe and metal duct

St FS



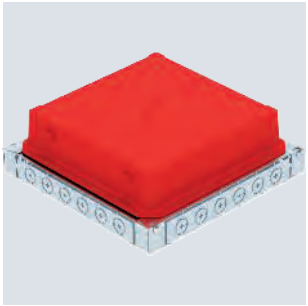


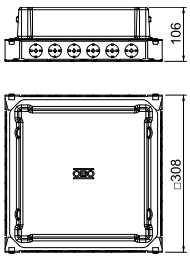
Type	Screed height mm	Nominal size	Min. ordering quantity Piece	Item no.
UDSSD 25038 6	65-90	6	1	**7400351**

Underfloor outlet box with fixed, unchangeable 202 x 254 mm installation opening for an installation unit of nominal size 6. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

Underfloor box UDS9 for installation pipe and metal duct

St FS



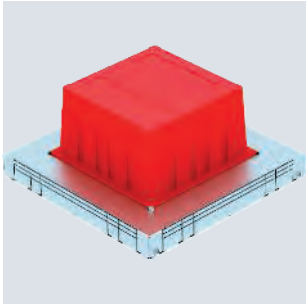


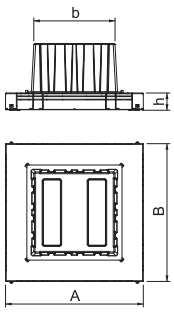
Type	Screed height mm	Nominal size	Min. ordering quantity Piece	Item no.
UDSSD 25038 9	65-100	9	1	**7400353**

Underfloor outlet box with fixed, unchangeable 244 x 244 mm installation opening for an installation unit of nominal size 9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.

UDS underfloor connection sockets

St FS





Type	Dim. A mm	Dim. B mm	Dim. h mm	Dim. b mm	Screed height mm	Nominal size	Min. ordering quantity Piece	Item no.
UDSSD 35048 9	420	420	51	244	90-200	9	1	**7400417**

Underfloor connection socket with fixed, unchangeable installation opening for an installation unit of nominal size 9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor socket possesses installation openings for 2 or 3-compartment underfloor ducts made of sheet steel on all four sides.

Always indicate the item number when ordering.

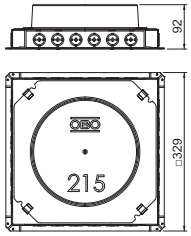
EÜK-SN underfloor connection socket, for metal ducts, self-adjusting

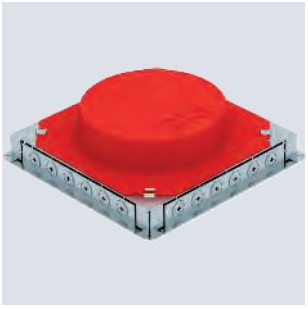
St FS

Underfloor box UDSR4 for installation pipe and metal duct

Type	Dim. d Ø mm	Screed height mm	Nominal size	Min. ordering quantity Piece	Item no.
UDSSD 25038 R4	215	65-90	R4	1	**7400355**

Underfloor outlet box with fixed, unchangeable installation opening of Ø 215 mm for an installation unit of nominal size R4. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 90 mm.



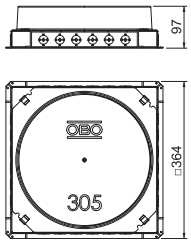


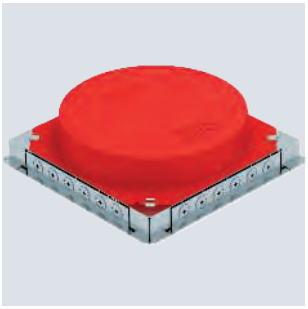
St FS

Underfloor box UDSR9 for installation pipe and metal duct

Type	Dim. d Ø mm	Screed height mm	Nominal size	Min. ordering quantity Piece	Item no.
UDSSD 25038 R9	305	65-95	R9	1	**7400359**

Underfloor outlet box with fixed, unchangeable installation opening of Ø 305 mm for an installation unit of nominal size R9. The mounting opening is created using the screed protection cover contained in the scope of supply. The underfloor box possesses installation openings for a 2 or 3-compartment sheet steel underfloor duct of nominal size 25038 as well as six M20 or M25 installation pipes on all four sides. The box is principally suited for use in floor structures in cement screed with a structure height of up to 95 mm.





Accessories for underfloor connection sockets, self-levelling

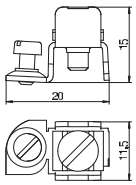
St G

Protective conductor connection bracket

Type	Min. ordering quantity Piece	Item no.
8AWR	10	**6288704**

Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor duct systems in the protective measure.
Clamping area: 2 x 1.5–4 mm²

If there is a fault, metallic parts will carry voltage. Tighten the contact screw with at least 1.2 Nm or ensure the contact with mechanical work.



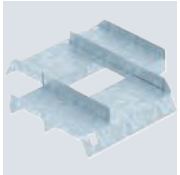


St FS

Separating retainer, intersection, for UDS

Type	Length mm	Width mm	Height mm	Min. ordering quantity Piece	Item no.
UDS 9 C3	242	228	44	1	**7428336**

Separating retainer, 3-compartment, for intersection in a UDS underfloor box.



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Accessories for underfloor connection sockets, self-levelling

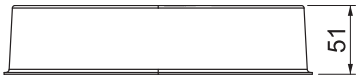
Height extension kit for underfloor box UDSR4

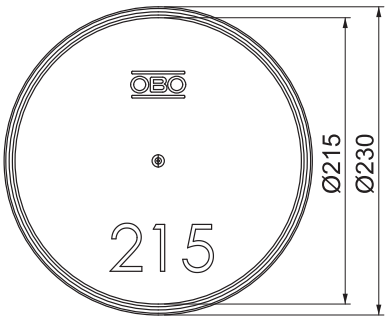
PS



Height extension kit for screed protection cover of underfloor box UDS or a screed protection cover for installation opening of nominal size R4. Height extension of + 40 mm.

Type	Height mm	Nominal size	Min. ordering quantity Piece	Item no.
SKE R215	50	R4	1	**7404388**





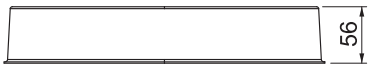
Height extension kit for underfloor box UDSR9

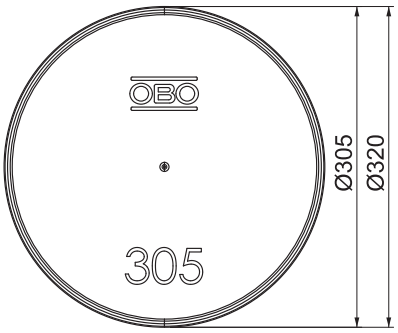
PS



Height extension kit for screed protection cover of underfloor box UDS or a screed protection cover for installation opening of nominal size R9. Height extension of + 45 mm.

Type	Height mm	Nominal size	Min. ordering quantity Piece	Item no.
SKE R305	55	R9	1	**7404392**





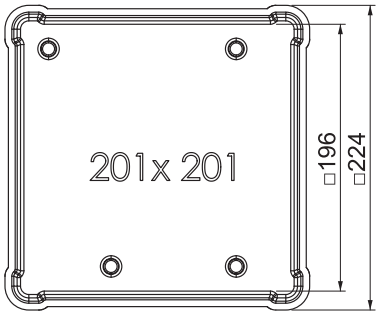
Always indicate the item number when ordering.

PS

Height extension kit for underfloor box 201 x 201

Type	Height mm	Nominal size	Min. ordering quantity Piece	Item no.
SKE 201X201	50	4	1	7404394







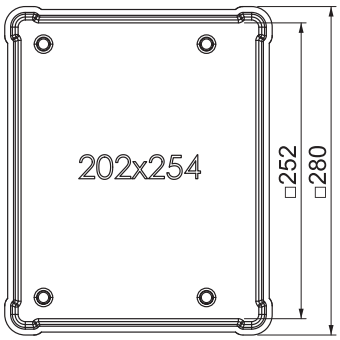
Height extension kit for screed protection cover of underfloor box UDS or a screed protection cover for installation opening of nominal size 4. Height extension of + 40 mm.

PS

Height extension kit for underfloor box 202 x 245

Type	Height mm	Nominal size	Min. ordering quantity Piece	Item no.
SKE 202X254	50	6	1	7404396







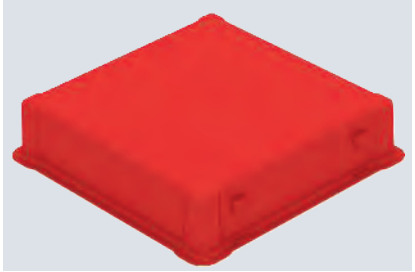
Height extension kit for screed protection cover of underfloor box UDS or a screed protection cover for installation opening of nominal size 6. Height extension of + 40 mm.

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Accessories for underfloor connection sockets, self-levelling

Height extension kit for underfloor box 245 x 245

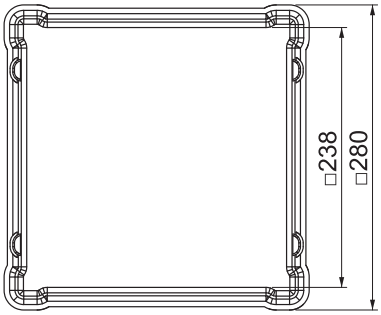
PS



Height extension kit for screed protection cover of underfloor box UDS or a screed protection cover for installation opening of nominal size 4. Height extension of + 50 mm.

Type	Height mm	Nominal size	Min. ordering quantity Piece		Item no.
SKE 245X245	63	9	1		**7404398**





Always indicate the item number when ordering.

OKA-W Flush Floor Trunking System



Matches any change

The OKA system offers a wide range of mounting options: The OKA-G trunking variant, with its flexible side walls, can be freely combined with the OKA-W trunking variant with its closed floor trough. The OKA system offers the right installation capacity for any installation requirements: The trunking is available in various widths and heights and there is also a large selection for device installation.
Additional extension units also allow device installation, without reducing the usable cross-section in the trunking.

The trunking of the OKA system remains accessible at all times. The system is thus particularly suitable for areas in which there are regular modifications to the routed cables – such as offices, in which the workstations are not always in the same place. Depending on the devices used, the system can be employed with dry or wet-cleaned floor coverings.





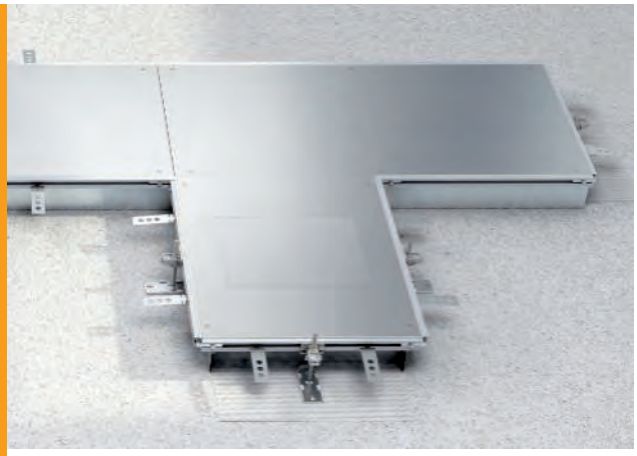
- Ideally suitable for large volumes of cables
- Simple retroinstallation and highest flexibility
- Long-life thanks to robust construction

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Usable duct cross-sections
The tables in the Technical Section provide information on the usable cross-section of the OKA system. The height adjustment increases the trunking volume. If service outlets are used, then the usable cross-section is reduced accordingly.

OKA-W – with floor trough

Snap-in separating retainers allow structured, EMC-compatible cable routing: You can create up to three separate cable compartments. Thus, data and power cables can be routed separately.





Height-adjustment range, OKA-W

The OKA-W trunking is available in the height adjustment ranges 40 mm to 70 mm, 60 mm to 110 mm and 100 mm to 150 mm.

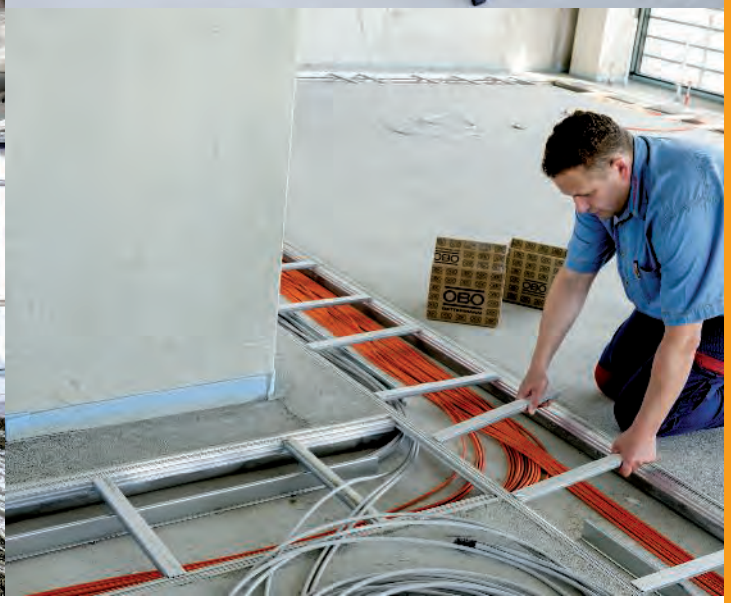
Reliability in practice

The OKA system has proved its worth in practice: It has already been installed in countless buildings. The product developers at OBO have used the practical experience gained to improve the system ever further.









Experts in the underfloor sector

The first OKA trunking system was presented in 1974 and, since then, has been continually adapted to installation practices. For more than four decades, planners, architects and customers have relied on the tried-and-trusted technology for creating a high level of flexibility in electrical installations. The system is beneficial, particularly in the field of large office spaces, as adjustments can be made at any time.

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Delivery as a ready-to-mount

The benefits of the OKA system can be seen directly when they are delivered to the construction site. The ready-for-mounting cable units are screwed together and their stable construction can withstand all the requirements of the construction site. The practical accessories simplify and accelerate the mounting of the system.

Trunking

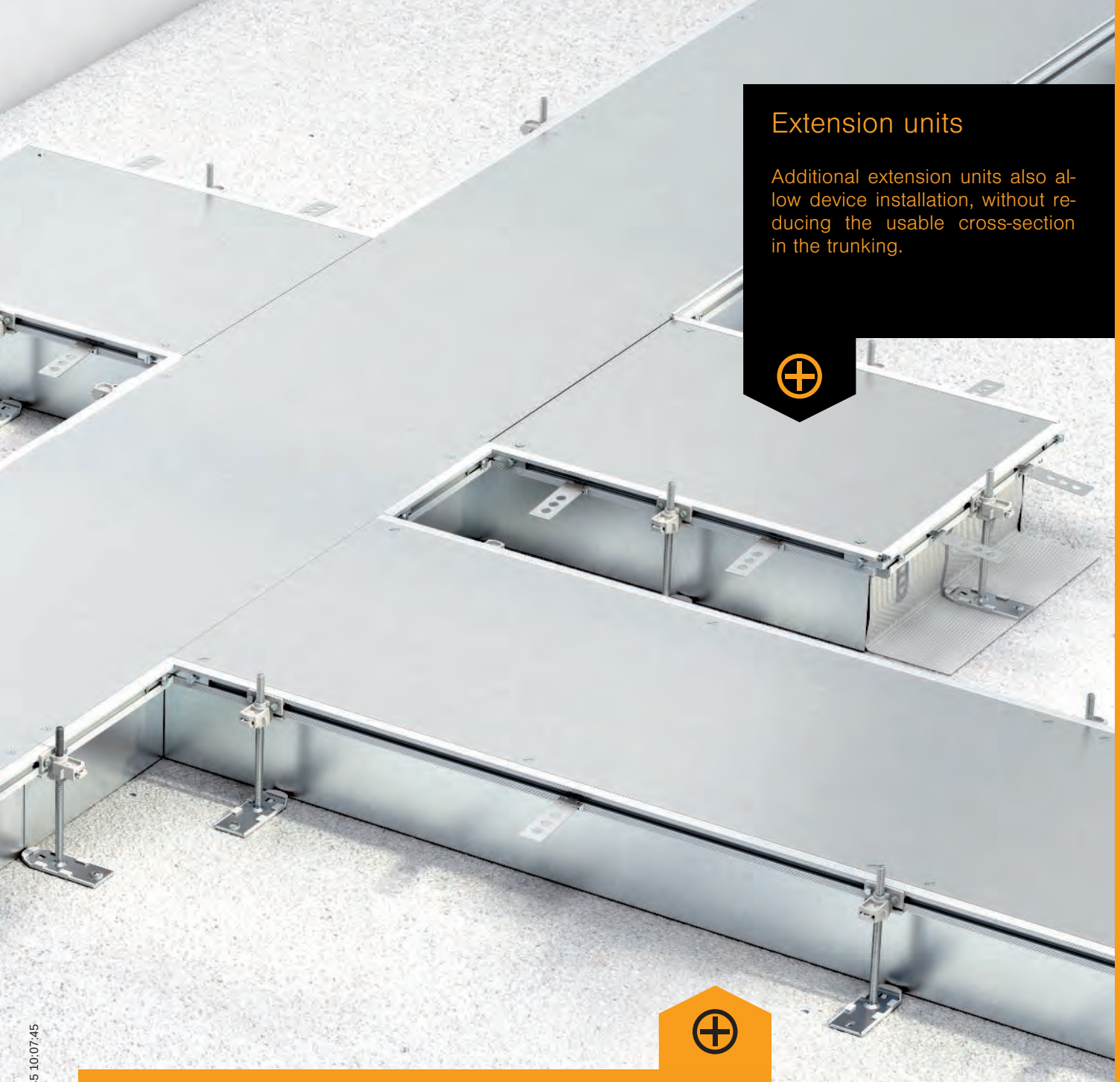
The OKA trunking has a length of 2,400 mm and is available in the widths 200 mm, 300 mm, 400 mm, 500 mm and 600 mm.

Height-adjustment units with equipotential bonding

The supplied height-adjustment units allow simple height adjustment, fastening and conductive connection of the OKA trunking. The height adjustment takes place in two stages: Firstly, the height-adjustment units are roughly pre-adjusted to the given screed height using the integrated quick height-adjustment function and applied to the trunking units. In the second step, after fastening, the fine adjustment to the top edge of the screed is carried out using a screwdriver.







Extension units

Additional extension units also allow device installation, without reducing the usable cross-section in the trunking.

Pre-mounted units

The trunking units are supplied, ready to mount, with three covers. On delivery, the trunking lids are screwed on and surrounded. The scope of delivery contains six height-adjustment units and screed anchors, and, depending on the nominal trunking width, three lid butt seals or six lid butt supports.

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Unlimited mounting options

From a screed height of 70 mm plus the floor covering, the various GES device installation units can be installed with central Modul 45 devices or standard devices. For screed heights above 55 mm, there are the screed-flush solutions of the System 55 range.

Loads

The OKA system stands out through its high load capacity. All the lids have metal thicknesses of 4 mm. Nominal trunking widths up to 300 mm are supplied with three lid butt seals, in order to ensure the maximum support for the mounting lid. From a trunking width of 400 mm, these struts are also equipped with height-adjustable supports. This avoids significant lid bending, even with large trunking widths.



Separating retainers

The separating retainers for the OKA-W trunking are locking and self-contacting. The separating retainers for the OKA-G trunking can be fastened individually in the concrete floor.



Lid variants

Two blanking lid variants are available for the trunking and the extension units: Locking and screwed-on. In addition, there are variants with openings for the installation of the service outlets GES4, GES6, GES9 and GESR9.

Connection to the screed

The screed anchor is hung in the aluminium side profile of the trunking. They create the connection between the trunking and the screed layer. To guarantee the most stable connection possible, no separating layer may be installed between the trunking and screed.

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Easy to work

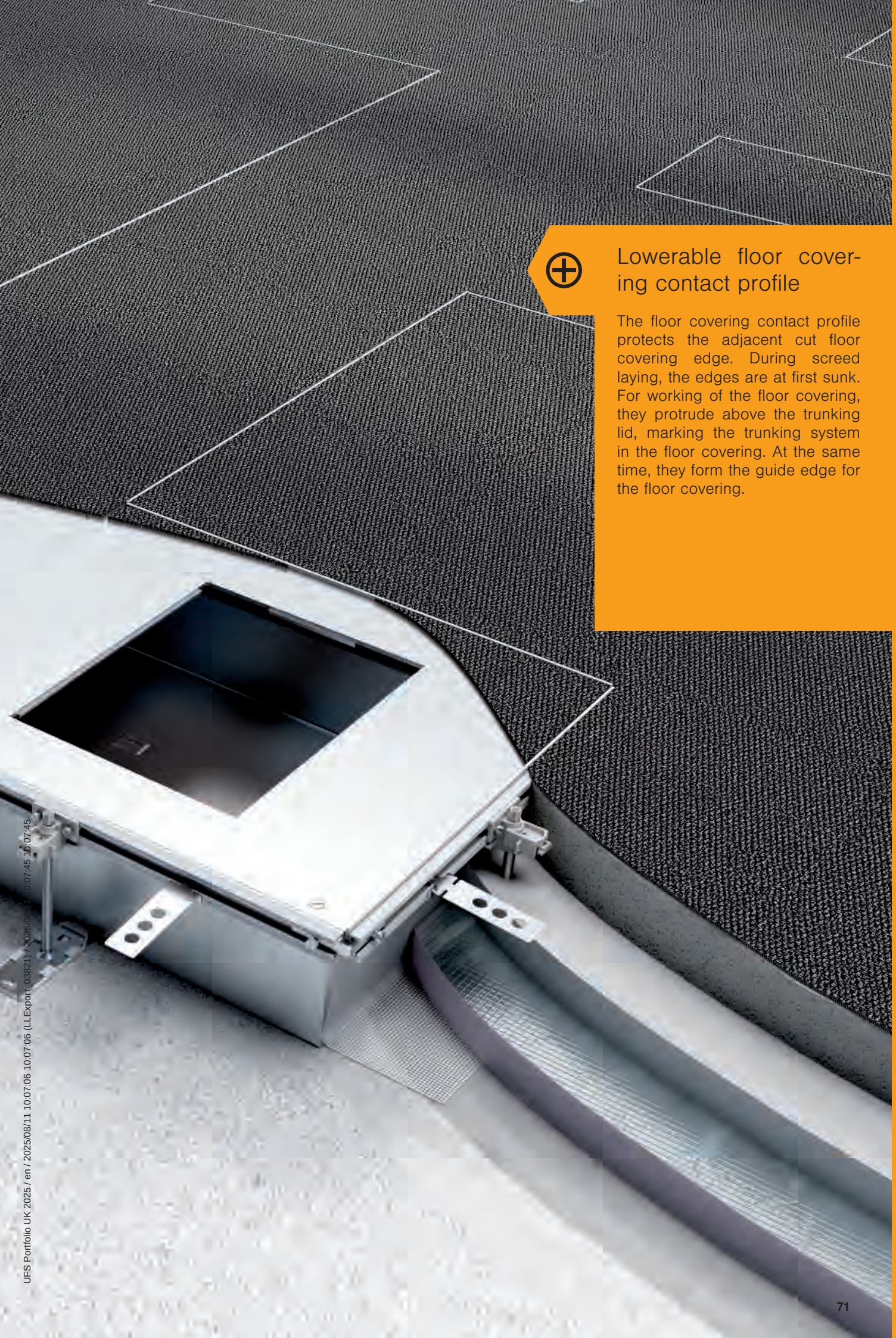
The OKA system can be worked easily before, during and after the screed work. In all the mounting steps, a series of intermeshed planning and agreement is decisive for correct installation. There is a wide selection of different device installation units, made of polyamide, stainless steel and aluminium for dry and wet-cleaned floors.

Protected against moisture

In addition to the normal lid butt seal, an optional flat foam rubber seal can be inserted. This ensures that, even in wet-cleaned floors, no moisture can enter the trunking system.

Varied floor coverings

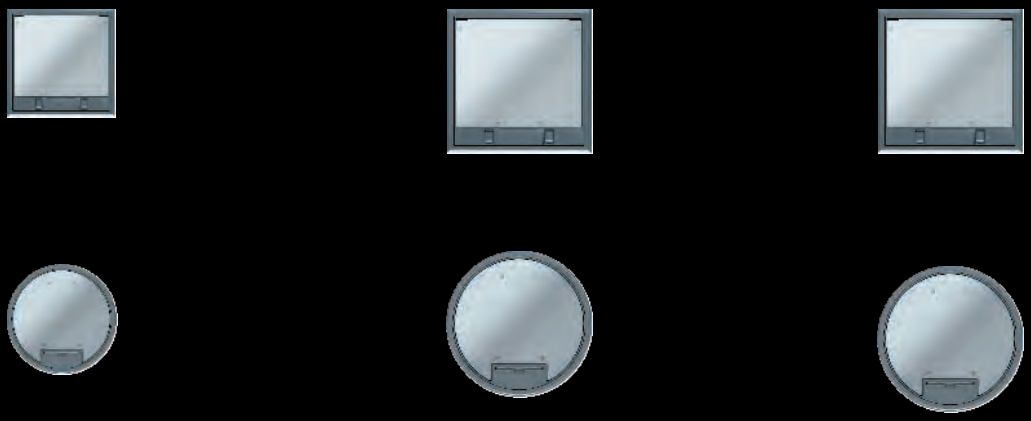
The OKA system is suitable for all kinds of floor coverings: From carpets through to PVC or linoleum for wet-cleaned areas. The use of special cassettes also means that it can be used in parquet, laminate, tiled or stone floors.



Lowerable floor covering contact profile

The floor covering contact profile protects the adjacent cut floor covering edge. During screed laying, the edges are at first sunk. For working of the floor covering, they protrude above the trunking lid, marking the trunking system in the floor covering. At the same time, they form the guide edge for the floor covering.

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*You can find our complete product range in the product section of our underfloor systems catalogue.



OKA-W

The OKA-W trunking units with closed floor trough are available in three heights and four widths.

Heights: 40 mm to 70 mm (except for GES4 and GES6), 60 mm to 110 mm, 100 mm to 150 mm.
Widths: 200 mm, 300 mm, 400 mm, 500 mm, 600 mm.

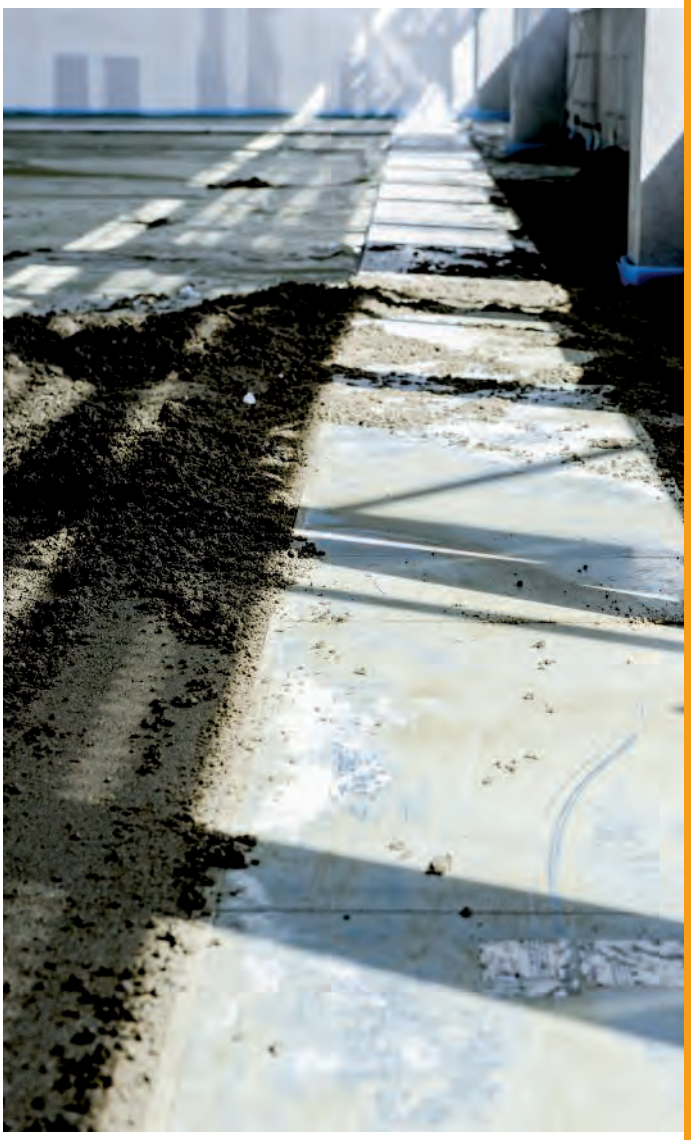
The trunking can be ordered with six different lid variants:

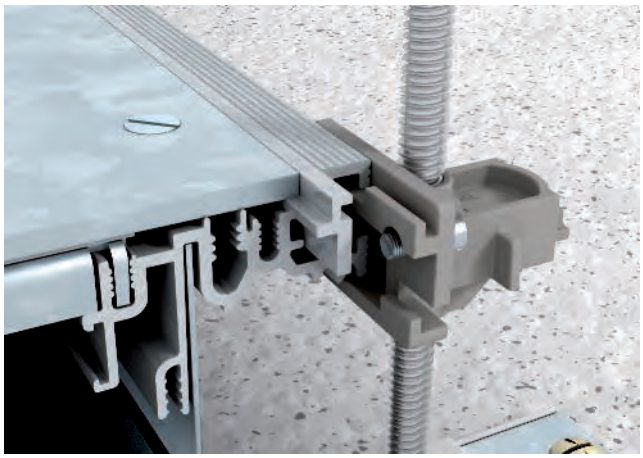
- Blanking lid, locking
- Blanking lid, screwed
- With installation opening for the square service outlet GES4
- With installation opening for the square service outlet GES6
- With installation opening for the square service outlet GES9
- With installation opening for the round service outlet GESR9

Screed and floor covering contact profiles

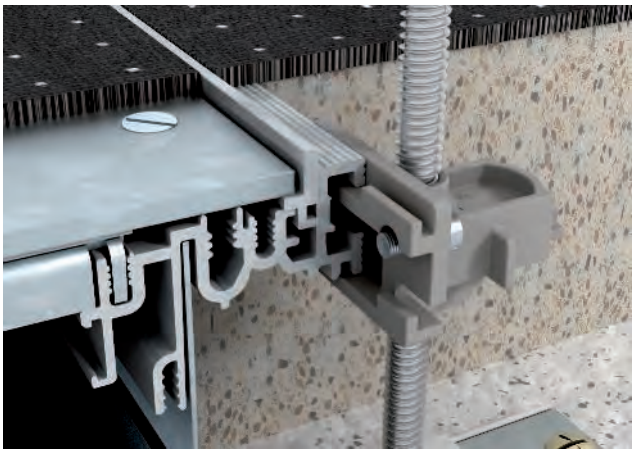


Application of the screed
When laying the screed, the side profiles of the trunking must be fully supported with screed. Loads may not be placed on the trunking until the screed has hardened. Impurities through the screed mortar should be avoided or removed later.





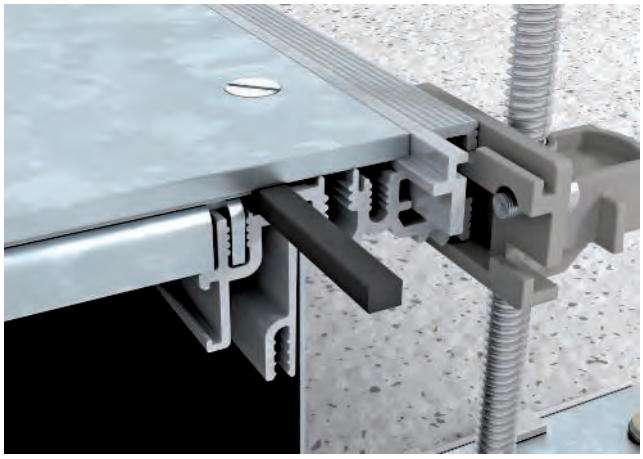
Lowering a floor covering contact profile
Floor covering contact profiles are used to protect the neighbouring cut edges of the floor covering. When delivered, these profiles are flush, to allow finishing off of the screed.



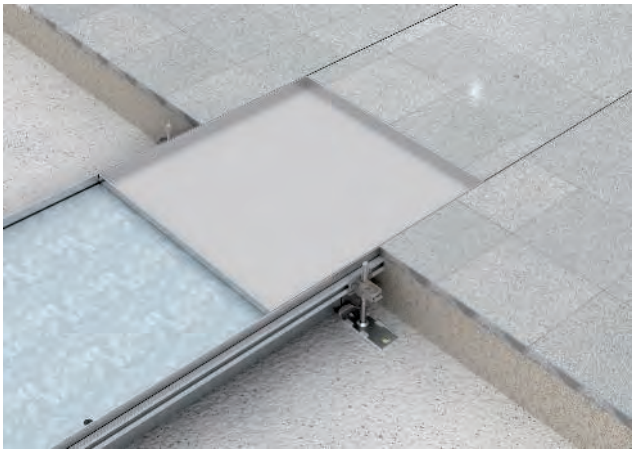
Using a floor covering contact profile
If the floor covering contact profile is required, then it can simply be mounted in the opposite direction. The profile is designed in such a way as to ensure the required lid play in the finished state.

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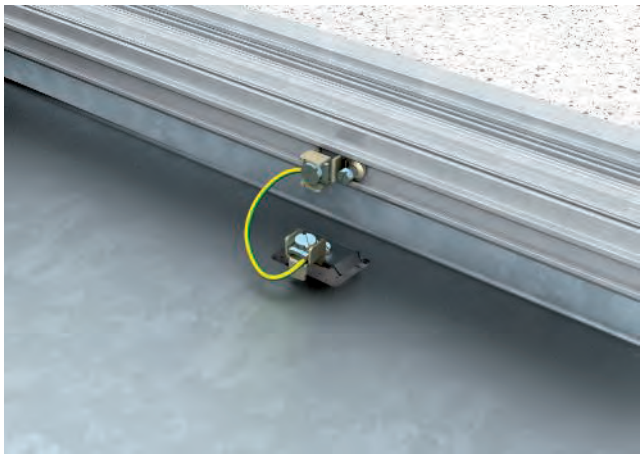
Moisture protection and equipotential bonding



Insert moisture protection
The use of OKAFD seal together with the OKARK... insertion cassettes permits the use of the OKA-G and OKA-W trunking systems for wet-cleaned hard floors. The OKAFD seal is inserted into the aluminium profile in the lengthwise direction at the position indicated.



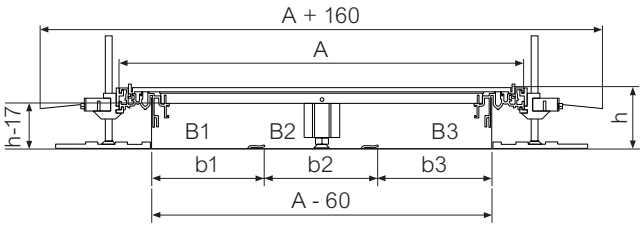
Use of cassettes
When used in wet-cleaned floors, there is the option of equipping the trunking system with cassettes.



Create equipotential bonding
We recommend including the OKA screed-flush trunking system in the equipotential bonding. The OKA system offers the required connection options for protective conductors, as well as the continuous conductivity of all the system components via the height-adjustment units. The EMC regulations according to DIN EN 50174-2 (VDE 0800–174-2) require the inclusion of all the metallic system components up to the connection point as functional equipotential bonding.

Trunking cross-section and assignment OKA-W





The following tables provide information on the usable cross-section. The height-adjustment increases the trunking volume. If service outlets are used, then the usable cross-section is reduced.

Trunking cross-section and assignment OKA-W

Trunking cross-section and assignment OKA-W						
Trunking type	**OKA-W 200**	**OKA-W 200**	**OKA-W 200**	**OKA-W 300**	**OKA-W 300**	**OKA-W 300**
System size A	200	200	200	300	300	300
System height h (mm)	40	60	100	40	60	100
Compartments	2	2	2	3	3	3
Internal trunking dimension A-68 (mm)	132	132	132	232	232	232
Usable trunking height H-17 (mm)	23	43	83	23	43	83
Total usable cross-section Bges (mm²)	2,450	5,452	10,258	3,980	8,604	17,050
Compartment width b1 (mm)	66	66	66	77	77	77
Compartment width b2 (mm)	66	66	66	77	77	77
Compartment width b3 (mm)	-	-	-	77	77	77
Compartment 1						
Cross-section B1 (mm²)	1,300	2,764	5,166	1,436	2,955	5,997
Number of NYM[1][3] cables	7	14	26	7	15	30
Number of CAT[2][3] cables	8	17	32	9	18	37
Compartment 2						
Cross-section B2 (mm²)	1,150	2,688	5,092	1,150	2,688	5,092
Number of NYM[1][3] cables	6	7	13	3	7	13
Number of CAT[2][3] cables	7	8	16	4	8	16
Compartment 3						
Cross-section B3 (mm²)	-	-	-	1,394	2,961	5,961
Number of NYM[1][3] cables	-	-	-	14	15	30
Number of CAT[2][3] cables	-	-	-	17	18	37

[1] Heavy current cables NYM-J 3 x 2.5 mm, diameter = 10 mm, space requirement = 100 mm².
[2] CAT6 data cable, diameter = 9 mm, space requirement = 81 mm².
[3] The stated number of cables refers to an assignment of 50%, meaning that an appropriate reserve remains.

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Trunking cross-section and assignment OKA-W

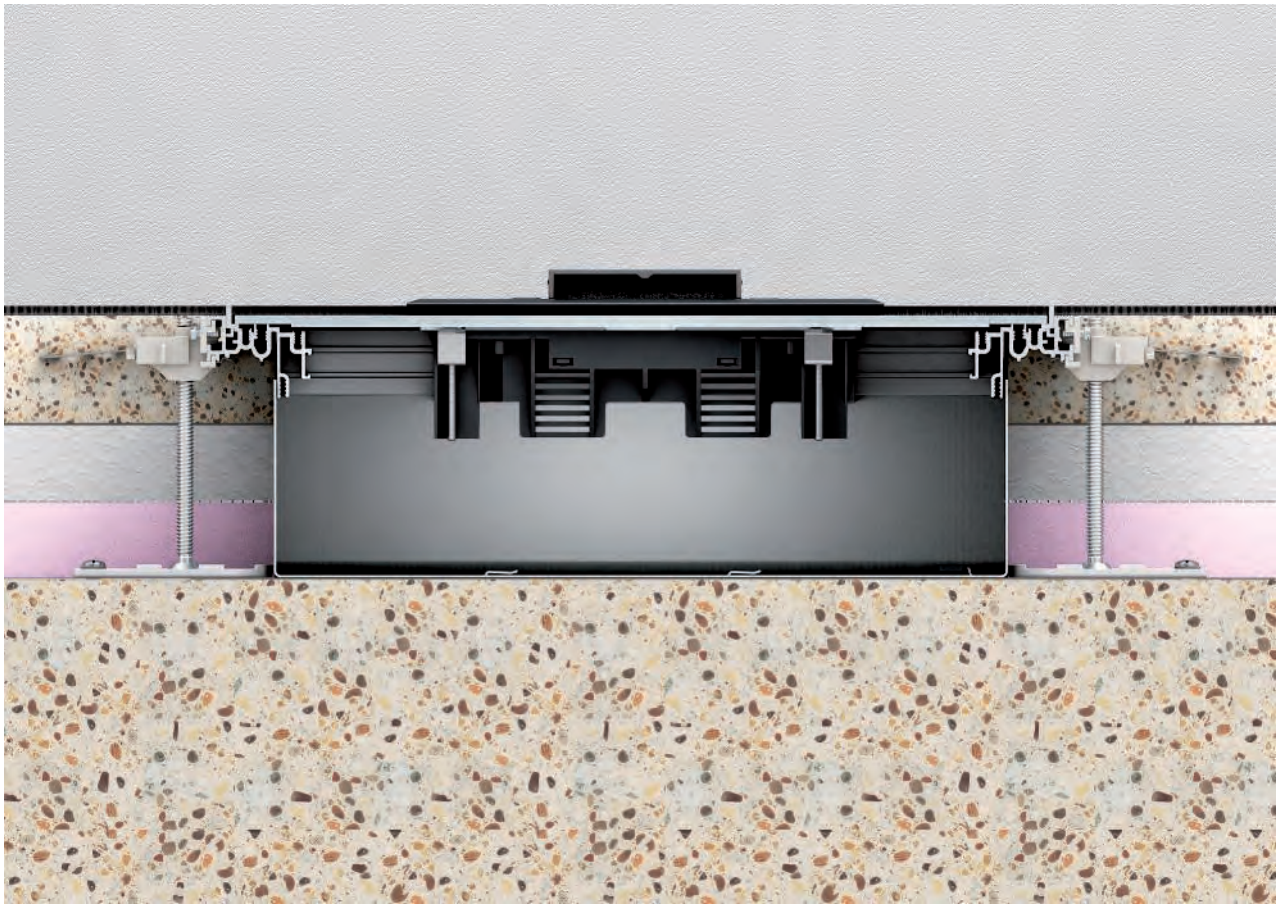
Trunking cross-section and assignment OKA-W						
Trunking type	OKA-W 400	OKA-W 400	OKA-W 400	OKA-W 500	OKA-W 500	OKA-W 500
System size A	400	400	400	500	500	500
System height h (mm)	40	60	100	40	60	100
Compartments	3	3	3	3	3	3
Internal trunking dimension A-68 (mm)	332	332	332	432	432	432
Usable trunking height H-17 (mm)	23	43	83	23	43	83
Total usable cross-section Bges (mm²)	6,086	11,897	24,250	8,331	16,097	32,413
Compartment width b1 (mm)	111	111	111	144	144	144
Compartment width b2 (mm)	111	111	111	144	144	144
Compartment width b3 (mm)	111	111	111	144	144	144
Compartment 1						
Cross-section B1 (mm²)	2,197	4,366	8,746	2,952	5,773	11,497
Number of NYM[1][3] cables	11th	22	44	15	29	58
Number of CAT[2][3] cables	14	27	54	18	36	71
Compartment 2						
Cross-section B2 (mm²)	1,824	3,267	6,903	2,567	4,674	9,608
Number of NYM[1][3] cables	9	12	35	13	24	48
Number of CAT[2][3] cables	12	20	43	16	29	60
Compartment 3						
Cross-section B3 (mm²)	2,065	4,264	8,601	2,812	5,650	11,308
Number of NYM[1][3] cables	21	43	86	28	57	113
Number of CAT[2][3] cables	25	53	106	35	70	140

[1] Heavy current cables NYM-J 3 x 2.5 mm, diameter = 10 mm, space requirement = 100 mm².
[2] CAT6 data cable, diameter = 9 mm, space requirement = 81 mm².
[3] The stated number of cables refers to an assignment of 50%, meaning that an appropriate reserve remains.

Trunking cross-section and assignment OKA-W			
Trunking type	OKA-W 600	OKA-W 600	OKA-W 600
System size A	600	600	600
System height h (mm)	40	60	100
Compartments	3	3	3
Internal trunking dimension A-68 (mm)	532	532	532
Usable trunking height H-17 (mm)	23	43	83
Total usable cross-section Bges (mm²)	10,589	20,291	40,602
Compartment width b1 (mm)	177	177	177
Compartment width b2 (mm)	177	177	177
Compartment width b3 (mm)	177	177	177
Compartment 1			
Compartment volume B1 (mm²)	3,693	7,159	14,199
Number of NYM[1][3] cables	19	36	71
Number of CAT[2][3] cables	23	44	88
Compartment 2			
Compartment volume B2 (mm²)	3,342	6,102	12,396
Number of NYM[1][3] cables	17	31	62
Number of CAT[2][3] cables	21	38	77
Compartment 3			
Compartment volume B3 (mm²)	3,554	7,030	14,007
Number of NYM[1][3] cables	36	70	140
Number of CAT[2][3] cables	44	87	173

[1] Heavy current cables NYM-J 3 x 2.5 mm, diameter = 10 mm, space requirement = 100 mm².
[2] CAT6 data cable, diameter = 9 mm, space requirement = 81 mm².
[3] The stated number of cables refers to an assignment of 50%, meaning that an appropriate reserve remains.

Reduction of the trunking cross-section



Reduction of the trunking cross-section through the installation of a service outlet in mm²

Reduction of the trunking cross-section through the installation of a service outlet in mm²		
Service outlet type	Installation direction transverse to trunking course	Installation direction parallel to trunking course
GES4-2	11,000	11,000
GES6-2	14,238	11,243
GES 9-2	13,673	13,673
GESR9-2	18,240	18,240
GESR9/10	23,935	24,960
GRAF9-2	19,608	19,608
GES9/55UV*	9,559	9,167
GESR9/55UV*	11,225	11,225
* Special systems for low screed heights		

GRAF9-2 with MT45V0*

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Fire protection



PYROPLUG® Block foam block
The OBO PYROPLUG® Block 200 cable insulation is the ideal cable insulation for use in underfloor trunking. If, during an electrical installation, underfloor trunking or ducts pass below walls classified for fire protection, then they must be closed against smoke gas penetration and fire. With the OKA system, the trunking lids are removed on both sides of the wall and the PYROPLUG® blocks inserted from both sides. Retroinstallations can be carried out very easily by removing individual blocks.

System benefits
- Mounting directly in underfloor trunking
- Cable insulation invisible on outside
- Mounting of empty pipes to prepare for retroinstallations
- Dust and fibre-free mounting
- Residual joints closed with PYROPLUG® screed filler (type FBA-SP)

Foam rubber fitting with fire protection additives

Foam rubber fitting with fire protection additives	
Fire resistance class	S90
Proof of application	General construction approval of DIBt, Berlin in conjunction with surveyor's report
Approval number	Z-19.15-1849
Testing standard	DIN 4102 Part 9
Min. insulation thickness	20 mm
Max. trunking size	60 x 16 mm

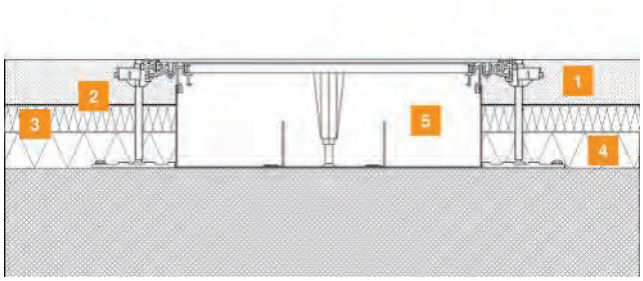
Footfall sound



Minimum requirements
The minimum requirements for structural sound insulation are defined in DIN 4109 "Sound insulation in buildings". General information on the topic of sound insulation and the installation of underfloor systems can be found in the general planner section of the catalogue.

Qualified tests to determine the transmission of air and footfall sound for the OKA trunking system were carried out together with the MÜLLER BBM GmbH testing institute in Planegg, Munich. The transmission of air and footfall sound was investigated for both vertical, i.e. from storey to storey, and horizontal sound transmission, i.e. from adjacent rooms.

The test was carried out in a floating screed construction.



1	50 mm cement screed, CEMI 52.2 N, mass relative to area m'=15 kg/m²
2	0.2 mm PE film
3	30 mm noise insulation damping, dynamic stiffness s'= 15 MN/m³
4	40 mm heat insulation, polystyrene EPS 100/035
5	38 mm installation trunking

Noise evaluation
The following section evaluates the test results. With regard to the evaluated reduction of footfall sound of the screed without a floor system, the statements made below can be considered as approved.

The noise evaluation, based on the available test certificates, can be summarised as follows:

Horizontal transmission of air and footfall sound
The system is suitable for construction situations with partition requirements up to R'w = 52 dB.
With horizontal transmission of footfall sound, the system fulfils the normal recommendations in the sense of Supplementary Sheet 2 of DIN 4109 [4]. Should there be requirements for increase footfall sound protection, then noise protection insulation should be added to the system in the area of the partition. Rockwool or polyester fibre materials can be used as noise protection insulation and should be inserted in the installation trunking to a length of at least 30 cm.

Vertical transmission of footfall sound
The OKA-W system (open trunking system, screed-flush) reduces the evaluated footfall sound reduction in comparison with an unaffected floor structure of a vertical screed in the vertical transmission direction by ΔLw = 5 dB.
Data taken from Report M88034/06 of 29 July 2014.

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Standard data

To DIN EN 50085-1 and DIN EN 50085-2-2

Class		Trunking systems OKA-W / OKA-G
6.2	According to impact resistance for installation and application	
6.2.5	Electrical installation trunking systems for impact energy 20 J	20 J
6.3	According to temperatures, as specified in Tables 1, 2 and 3	
Table 1	Minimum storage and transport temperature ± 2 °C	–25 °C
Table 2	Minimum installation and application temperatures ± 2 °C	+5 °C
Table 3	Application temperatures ± 2 °C	+60 °C
6.4	According to the resistance against fire spread	
6.4.2	Electrical installation trunking systems which do not permit the spread of fire	x
6.5	According to the electrical conductivity	
6.5.1	Electrical installation duct systems with electrical conductivity	x
6.6	According to the electrical insulation property	
6.6.1	Electrical installation trunking systems without electrical insulation capability	x
6.7	According to the protection ratings offered by the housing or casing to EN 60529:1991	
6.7.1	According to protection against ingress of solid foreign bodies	x
6.7.2	According to protection against ingress of water	
6.102	According to resistance to vertical loads affecting a small surface area	
6.102.7	Electrical installation trunking systems for 3,000 N	x
6.103	According to resistance to vertical loads affecting a large surface area	Not tested

OKA-W installation trunking with floor trough

The OKA-W possesses sheet steel side walls. Snap-in separating retainers allow structured, EMC-compatible cable routing: You can create up to three separate cable compartments. Thus, data and power cables can be routed separately.

- Completely protected installation space through floor trough
- Combination option of the OKA-G and OKA-W systems
- For dry and wet-cleaned floors



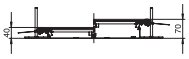
- Screw-on or lockable lid
- High flexibility for changes of use
- System width 200–600 mm

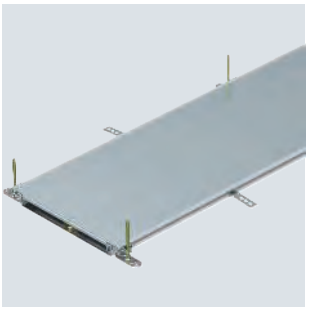
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Trunking unit, blank, height 40–70 mm

Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W2004030	200	2400	40-70	2	3	2.4	**7424400**
OKA-W3004030	300	2400	40-70	3	3	2.4	**7424402**
OKA-W4004030	400	2400	40-70	3	3	2.4	**7424404**
OKA-W5004030	500	2400	40-70	3	3	2.4	**7424406**
OKA-W6004030	600	2400	40-70	3	3	2.4	**7424408**





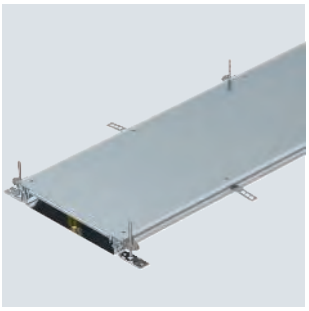
Ready-to-mount trunking unit with three blanking lids for cable laying, consisting of the trunking base (floor trough with side and floor covering contact profiles) and trunking lid. Floor trough with holding straps for self-contacting mounting of separating retainers. The scope of delivery contains 6 height-adjustable fixing brackets, 6 screed anchors and lid butt seals (3x for nominal trunking widths of 200 and 300) or height-adjustable lid butt supports: 3x for nominal trunking width 400 and 6x for nominal trunking widths 500 and 600. Trunking lid screwed on for delivery.

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Trunking unit, blank, height 60–110 mm

Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W2006050	200	2400	60-110	2	3	2.4	**7424420**
OKA-W3006050	300	2400	60-110	3	3	2.4	**7424422**
OKA-W4006050	400	2400	60-110	3	3	2.4	**7424424**
OKA-W5006050	500	2400	60-110	3	3	2.4	**7424426**
OKA-W6006050	600	2400	60-110	3	3	2.4	**7424428**



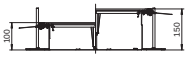


Ready-to-mount trunking unit with three blanking lids for cable laying, consisting of the trunking base (floor trough with side and floor covering contact profiles) and trunking lid. Floor trough with holding straps for self-contacting mounting of separating retainers. The scope of delivery contains 6 height-adjustable fixing brackets, 6 screed anchors and lid butt seals (3x for nominal trunking widths of 200 and 300) or height-adjustable lid butt supports: 3x for nominal trunking width 400 and 6x for nominal trunking widths 500 and 600. Trunking lid screwed on for delivery.

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Trunking unit, blank, height 100–150 mm

Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W20010050	200	2400	100-150	2	3	2.4	**7424440**
OKA-W30010050	300	2400	100-150	3	3	2.4	**7424442**
OKA-W40010050	400	2400	100-150	3	3	2.4	**7424444**
OKA-W50010050	500	2400	100-150	3	3	2.4	**7424446**
OKA-W60010050	600	2400	100-150	3	3	2.4	**7424458**





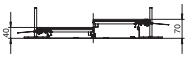
Ready-to-mount trunking unit with three blanking lids for cable laying, consisting of the trunking base (floor trough with side and floor covering contact profiles) and trunking lid. Floor trough with holding straps for self-contacting mounting of separating retainers. The scope of delivery contains 6 height-adjustable fixing brackets, 6 screed anchors and lid butt seals (3x for nominal trunking widths of 200 and 300) or height-adjustable lid butt supports: 3x for nominal trunking width 400 and 6x for nominal trunking widths 500 and 600. Trunking lid screwed on for delivery.

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Trunking unit, blank, locking, height 40–70 mm

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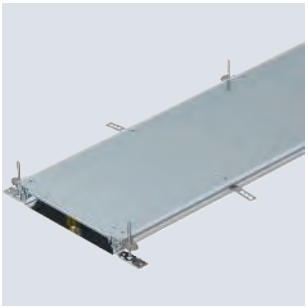


Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W2004030R	200	2400	40-70	2	3	2.4	**7424460**
OKA-W3004030R	300	2400	40-70	3	3	2.4	**7424462**
OKA-W4004030R	400	2400	40-70	3	3	2.4	**7424464**

Ready-to-mount trunking unit with three self-locking blanking covers for cable laying, consisting of the trunking base (floor trough with side and floor covering guide profiles) and trunking lid. Floor trough with holding shackles for self-contacting mounting of dividers. The scope of supply contains six height-adjustable wall fixing brackets, six screed anchors and three cover joint supports (for nominal trunking widths 200 and 300) or three height-adjustable cover joint supports (for nominal trunking widths 400, 500 and 600). Trunking lid screwed down when delivered.

Trunking unit, blank, locking, height 60–110 mm

St FS





Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W2006050R	200	2400	60-110	2	3	2.4	**7424480**
OKA-W3006050R	300	2400	60-110	3	3	2.4	**7424482**
OKA-W4006050R	400	2400	60-110	3	3	2.4	**7424484**
OKA-W5006050R	500	2400	60-110	3	3	2.4	**7424486**
OKA-W6006050R	600	2400	60-110	3	3	2.4	**7424488**

Ready-to-mount trunking unit with three self-locking blanking covers for cable laying, consisting of the trunking base (floor trough with side and floor covering guide profiles) and trunking lid. Floor trough with holding shackles for self-contacting mounting of dividers. The scope of supply contains six height-adjustable wall fixing brackets, six screed anchors and three cover joint supports (for nominal trunking widths 200 and 300) or three height-adjustable cover joint supports (for nominal trunking widths 400, 500 and 600). Trunking lid screwed down when delivered.

Trunking unit, blank, locking, height 100–150 mm

St FS





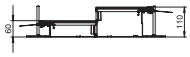
Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W20010050R	200	2400	100-150	2	3	2.4	**7424500**
OKA-W30010050R	300	2400	100-150	3	3	2.4	**7424502**
OKA-W40010050R	400	2400	100-150	3	3	2.4	**7424504**
OKA-W50010050R	500	2400	100-150	3	3	2.4	**7424506**
OKA-W60010050R	600	2400	100-150	3	3	2.4	**7424508**

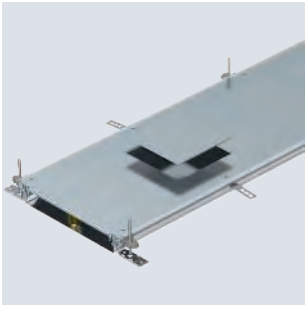
Ready-to-mount trunking unit with three self-locking blanking covers for cable laying, consisting of the trunking base (floor trough with side and floor covering guide profiles) and trunking lid. Floor trough with holding shackles for self-contacting mounting of dividers. The scope of supply contains six height-adjustable wall fixing brackets, six screed anchors and three cover joint supports (for nominal trunking widths 200 and 300) or three height-adjustable cover joint supports (for nominal trunking widths 400, 500 and 600). Trunking lid screwed down when delivered.

St FS

Trunking unit for GES4, height 60–110 mm

Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W3006050D4	300	2400	60-110	3	3	2.4	**7424600**
OKA-W4006050D4	400	2400	60-110	3	3	2.4	**7424602**





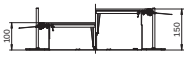
With screw-on device installation lids, each with an installation opening for an installation unit nominal size 4.

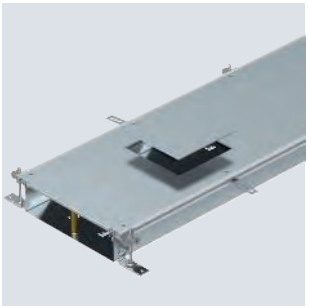
Ready-to-mount trunking unit with three or six device installation lids for cable laying and the installation of flush-mount units of nominal size 4, consisting of the trunking base (floor trough with side and floor covering contact profiles) and trunking lid with blank covered mounting opening. Floor trough with holding straps for self-contacting mounting of separating retainers. The scope of delivery contains 6 height-adjustable fixing brackets, 6 screed anchors and lid butt seals (3x for nominal trunking widths of 200 and 300) or height-adjustable lid butt supports: 3x for nominal trunking width 400 and 6x for nominal trunking widths 500 and 600. Trunking lid screwed down when delivered.

St FS

Trunking unit for GES4, height 100–150 mm

Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W30010050D4	300	2400	100-150	3	3	2.4	**7424620**
OKA-W40010050D4	400	2400	100-150	3	3	2.4	**7424622**





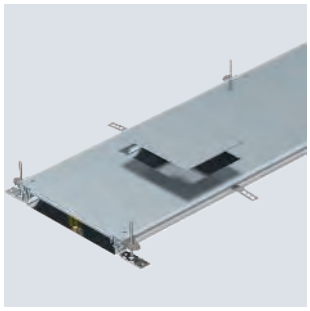
With screw-on device installation lids, each with an installation opening for an installation unit nominal size 4.

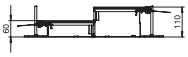
Ready-to-mount trunking unit with three or six device installation lids for cable laying and the installation of flush-mount units of nominal size 4, consisting of the trunking base (floor trough with side and floor covering contact profiles) and trunking lid with blank covered mounting opening. Floor trough with holding straps for self-contacting mounting of separating retainers. The scope of delivery contains 6 height-adjustable fixing brackets, 6 screed anchors and lid butt seals (3x for nominal trunking widths of 200 and 300) or height-adjustable lid butt supports: 3x for nominal trunking width 400 and 6x for nominal trunking widths 500 and 600. Trunking lid screwed down when delivered.

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Trunking unit for GES6, height 60–110 mm

St FS





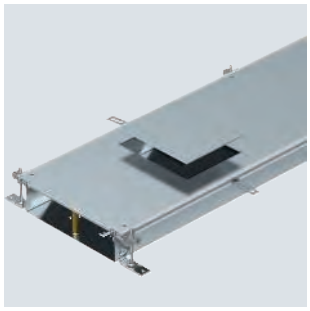
Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W4006050D6	400	2400	60-110	3	3	2.4	**7424662**

With screw-on device installation lids, each with an installation opening for an installation unit nominal size 6.

Ready-to-mount trunking unit with three or six device installation lids for cable laying and the installation of installation units of nominal size 6, consisting of the trunking base (floor trough with side and floor covering guide profiles) and trunking lid with blank mounting opening. Floor trough with holding shackles for self-contacting mounting of dividers. The scope of supply contains six height-adjustable wall fixing brackets, six screed anchors and three height-adjustable cover joint supports for nominal trunking width 400 or six height-adjustable cover joint supports for nominal trunking widths 500 and 600. Trunking lid screwed down when delivered.

Trunking unit for GES6, height 100–150 mm

St FS





Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W40010050D6	400	2400	100-150	3	3	2.4	**7424682**

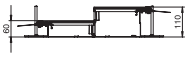
With screw-on device installation lids, each with an installation opening for an installation unit nominal size 6.

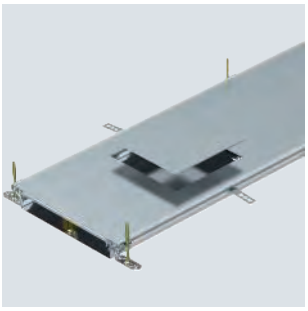
Ready-to-mount trunking unit with three or six device installation lids for cable laying and the installation of installation units of nominal size 6, consisting of the trunking base (floor trough with side and floor covering guide profiles) and trunking lid with blank mounting opening. Floor trough with holding shackles for self-contacting mounting of dividers. The scope of supply contains six height-adjustable wall fixing brackets, six screed anchors and three height-adjustable cover joint supports for nominal trunking width 400 or six height-adjustable cover joint supports for nominal trunking widths 500 and 600. Trunking lid screwed down when delivered.

St FS

Trunking unit for GES9, height 60–110 mm

Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W4006050D9	400	2400	60-110	3	3	2.4	**7424720**
OKA-W5006050D9	500	2400	60-110	3	6	2.4	**7424722**
OKA-W6006050D9	600	2400	60-110	3	6	2.4	**7424724**





With three (for nominal trunking width 400, L = 800 mm) or six device installation lids (for nominal trunking widths 500 and 600, L = 400 mm) each with one installation opening for a square installation unit of nominal size 9 or 9/55.

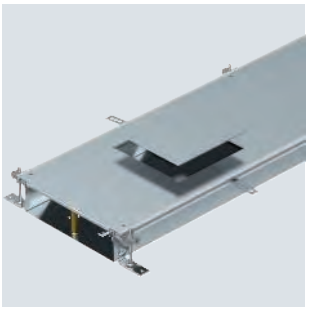
Ready-to-mount trunking unit with three or six device installation lids for cable laying and the installation of installation units of nominal size 9, consisting of the trunking base (floor trough with side and floor covering guide profiles) and trunking lid with blank mounting opening. Floor trough with holding shackles for self-contacting mounting of dividers. The scope of supply contains six height-adjustable wall fixing brackets, six screed anchors and three height-adjustable cover joint supports for nominal trunking width 400 or six height-adjustable cover joint supports for nominal trunking widths 500 and 600. Trunking lid screwed down when delivered.

St FS

Trunking unit for GES9, height 100–150 mm

Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W40010050D9	400	2400	100-150	3	3	2.4	**7424740**
OKA-W50010050D9	500	2400	100-150	3	6	2.4	**7424742**
OKA-W60010050D9	600	2400	100-150	3	6	2.4	**7424744**





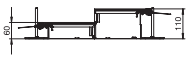
With three (for nominal trunking width 400, L = 800 mm) or six device installation lids (for nominal trunking widths 500 and 600, L = 400 mm) each with one installation opening for a square installation unit of nominal size 9 or 9/55.

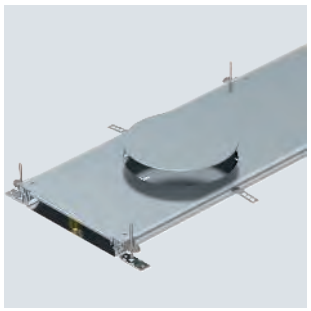
Ready-to-mount trunking unit with three or six device installation lids for cable laying and the installation of installation units of nominal size 9, consisting of the trunking base (floor trough with side and floor covering guide profiles) and trunking lid with blank mounting opening. Floor trough with holding shackles for self-contacting mounting of dividers. The scope of supply contains six height-adjustable wall fixing brackets, six screed anchors and three height-adjustable cover joint supports for nominal trunking width 400 or six height-adjustable cover joint supports for nominal trunking widths 500 and 600. Trunking lid screwed down when delivered.

St FS

Trunking unit for GESR9, height 60–110 mm

Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W4006050DR9	400	2400	60-110	3	3	2.4	**7424780**
OKA-W5006050DR9	500	2400	60-110	3	6	2.4	**7424782**
OKA-W6006050DR9	600	2400	60-110	3	6	2.4	**7424784**





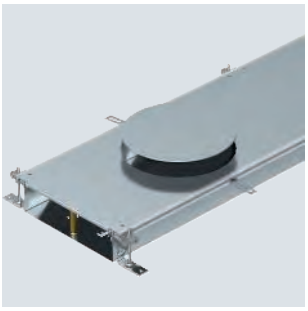
With three (for nominal trunking width 400, L = 800 mm) or six device installation lids (for nominal trunking widths 500 and 600, L = 400 mm) each with one installation opening for a round installation unit of nominal size R9 or R9/55.

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OKA-W installation trunking

Trunking unit for GESR9, height 100–150 mm

St FS





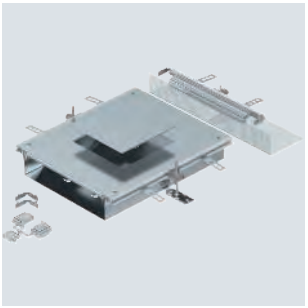
Type	Width mm	Length mm	Duct height mm	Number of compartments pc.	Covers pc.	Min. ordering quantity m	Item no.
OKA-W40010050DR9	400	2400	100-150	3	3	2.4	**7424800**
OKA-W50010050DR9	500	2400	100-150	3	6	2.4	**7424802**
OKA-W60010050DR9	600	2400	100-150	3	6	2.4	**7424804**

With three (for nominal trunking width 400, L = 800 mm) or six device installation lids (for nominal trunking widths 500 and 600, L = 400 mm) each with one installation opening for a round installation unit of nominal size R9 or R9/55.

Extension unit with floor trough OKA-W

Extension unit for GES4, height 100–150 mm

St FS

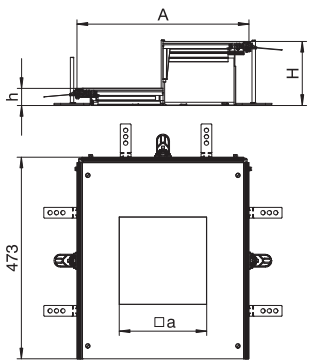


Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 10050 4	100-150	Square	1	4	1	**7424920**

Ready-to-mount trunking extension unit with a device installation lid for the installation of an installation unit of nominal size 4, consisting of the trunking base (floor trough with side and floor covering guide profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains three height-adjustable wall fixing brackets, three screed anchors and trunking connection brackets.

Size of the mounting unit suitable for the installation of a square installation unit of nominal size 4.

Dimensions



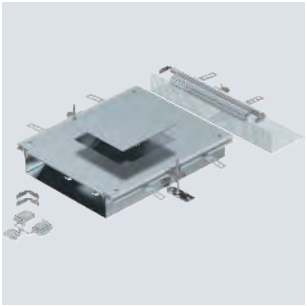
Type	Dim. a mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 10050 4	201	400	100	150

Always indicate the item number when ordering.

St FS

Extension unit for GES4, height 60–110 mm

Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 6050 4	60 - 110	Square	1	4	1	**7424900**

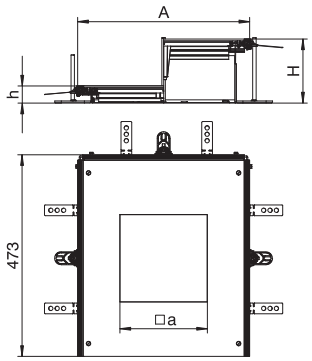


Ready-to-mount trunking extension unit with a device installation lid for the installation of an installation unit of nominal size 4, consisting of the trunking base (floor trough with side and floor covering guide profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains three height-adjustable wall fixing brackets, three screed anchors and trunking connection brackets.

Size of the mounting unit suitable for the installation of a square installation unit of nominal size 4.

Type	Dim. a mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 6050 4	201	400	60	110

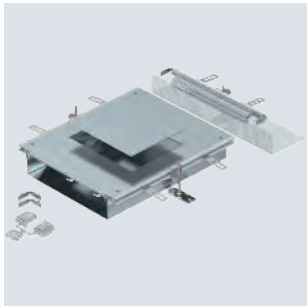
Dimensions



St FS

Extension unit for GES6, height 100–150 mm

Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 10050 6	100 - 150	Rectangular	1	6	1	**7424922**

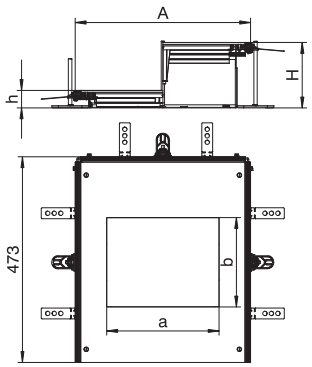


Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size 6, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a rectangular installation unit of nominal size 6.

Type	Dim. a mm	Dim. b mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 10050 6	201	253	400	100	150

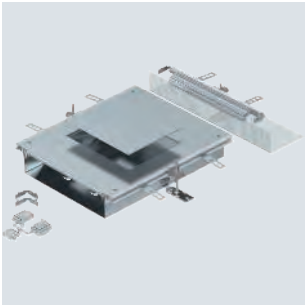
Dimensions



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Extension unit for GES6, height 60–110 mm

St FS

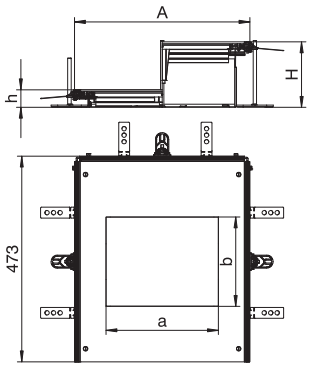


Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 6050 6	60 - 110	Rectangular	1	6	1	**7424902**

Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size 6, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a rectangular installation unit of nominal size 6.

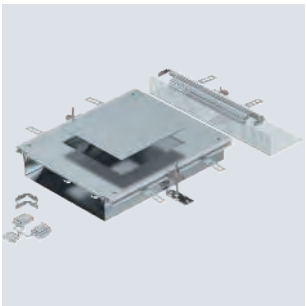
Dimensions



Type	Dim. a mm	Dim. b mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 6050 6	201	253	400	60	110

Extension unit for GES9, height 100–150 mm

St FS

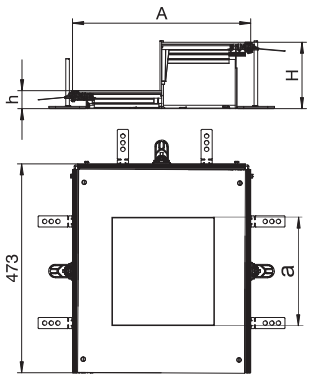


Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 10050 9	100 - 150	Square	1	9	1	**7424924**

Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size 9, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a square installation unit of nominal size 9 or 9/55.

Dimensions

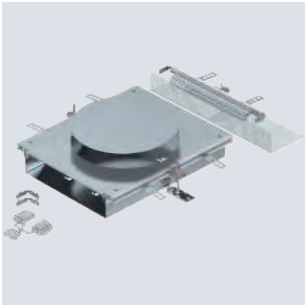


Type	Dim. a mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 10050 9	244	400	100	150

St FS

Extension unit for GESR9, height 40–70 mm

Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 4030R9	40-70	Round	1	R9	1	**7424886**

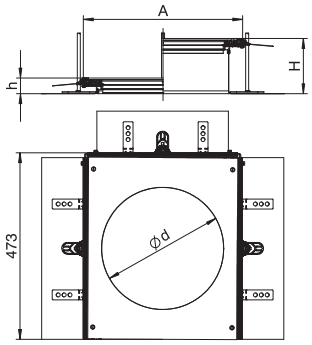


Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size R9, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a round installation unit of nominal size R9/55.

Type	Dim. d Ø mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 4030R9	305	400	40	70

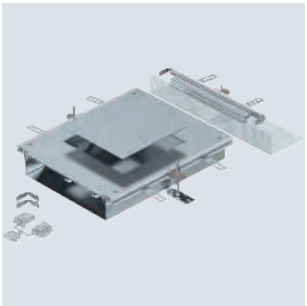
Dimensions



St FS

Extension unit for GES9, height 40–70 mm

Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 4030 9	40-70	Square	1	9	1	**7424884**

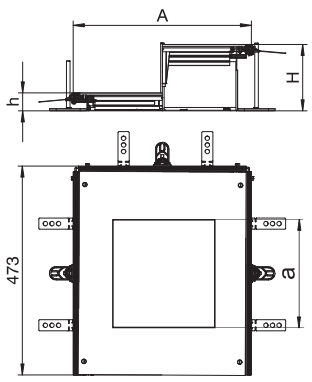


Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size 9, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a square installation unit of nominal size 9/55.

Type	Dim. a mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 4030 9	244	400	40	70

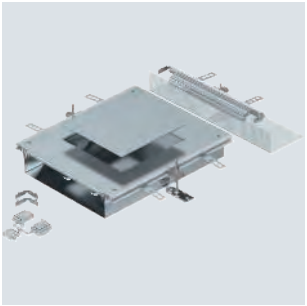
Dimensions



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Extension unit for GES9, height 60–110 mm

St FS

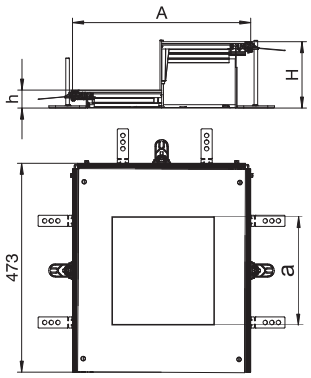


Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 6050 9	60-110	Square	1	9	1	**7424904**

Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size 9, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a square installation unit of nominal size 9 or 9/55.

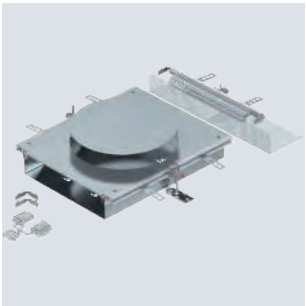
Dimensions



Type	Dim. a mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 6050 9	244	400	60	110

Extension unit for GESR9, height 40–70 mm

St FS

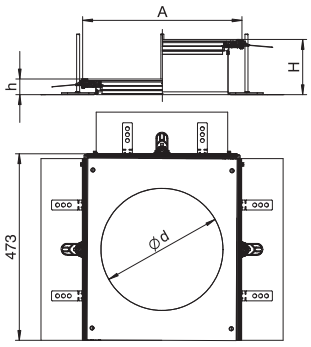


Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 4030R9	40-70	Round	1	R9	1	**7424886**

Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size R9, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a round installation unit of nominal size R9/55.

Dimensions

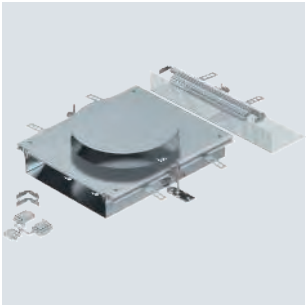


Type	Dim. d Ø mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 4030R9	305	400	40	70

St FS

Extension unit for GESR9, height 60–110 mm

Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 6050R9	60-110	Round	1	R9	1	**7424906**

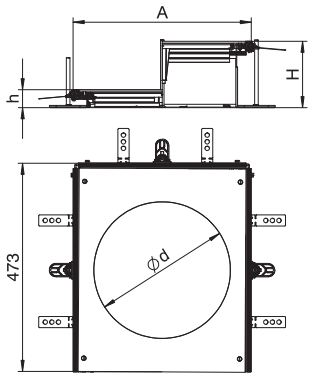


Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size R9, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a round installation unit of nominal size R9 or R9/55.

Type	Dim. d Ø mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 6050R9	305	400	60	110

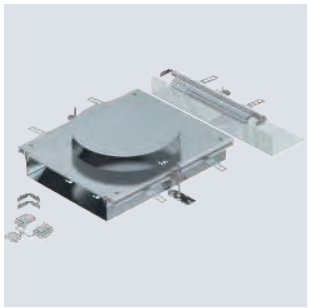
Dimensions



St FS

Extension unit for GESR9, height 100–150 mm

Type	Duct height mm	Installation opening for installation unit	Number of mounting openings	Nominal size	Min. ordering quantity Piece	Item no.
OKA-W A 10050R9	100-150	Round	1	R9	1	**7424926**

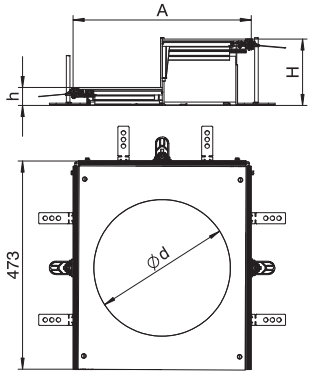


Ready-to-mount trunking extension unit with a device installation lid for the installation of a flush-mount unit of nominal size R9, consisting of the trunking base (floor trough with side and floor covering contact profiles), trunking lid with blank mounting opening and a flushfloor end cover. The scope of delivery contains 3 height-adjustable fixing brackets, 3 screed anchors, 1 lid butt support and 1 construction set for 90° angle.

Size of the mounting unit suitable for the installation of a round installation unit of nominal size R9 or R9/55.

Type	Dim. d Ø mm	Dim. A mm	Dim. h mm	Dim. H mm
OKA-W A 10050R9	305	400	100	150

Dimensions



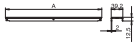
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Lid butt support OKA-W

Lid butt support for trunking width 400, 500 and 600 mm

St FS





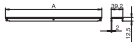
Type	Dim. A mm	Minimum screed height	Duct height mm	Min. ordering quantity Piece		Item no.
DSU2 400 4030	400	40	40-70	1		**7424940**
DSU2 500 4030	500	40	40-70	1		**7424942**
DSU2 600 4030	600	40	40-70	1		**7424944**

For underlaying and sealing joints of nominal trunking widths of 400, 500 or 600. With central, height-adjustable support.

Lid butt support for trunking width 400, 500 and 600 mm

St FS





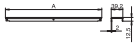
Type	Dim. A mm	Minimum screed height	Duct height mm	Min. ordering quantity Piece		Item no.
DSU2 400 6050	400	60	60-110	1		**7424960**
DSU2 500 6050	500	60	60-110	1		**7424962**
DSU2 600 6050	600	60	60-110	1		**7424964**

For underlaying and sealing joints of nominal trunking widths of 400, 500 or 600. With central, height-adjustable support.

Lid butt support for trunking width 400, 500 and 600 mm

St FS





Type	Dim. A mm	Minimum screed height	Duct height mm	Min. ordering quantity Piece		Item no.
DSU2 400 10050	400	100	100-150	1		**7424980**
DSU2 500 10050	500	100	100-150	1		**7424982**
DSU2 600 10050	600	100	100-150	1		**7424984**

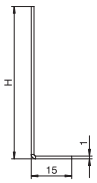
For underlaying and sealing joints of nominal trunking widths of 400, 500 or 600. With central, height-adjustable support.

OKA-W separating retainers

Separating retainer, trunking height 40 mm

St FS





Type	Length mm	Height mm	Duct height mm	Min. ordering quantity m		Item no.
OKA2 TW 40	2400	26.5	40	2.4		**7401988**
OKA2 TW 50	2400	36.5	50	2.4		**7401992**
OKA2 TW 60	2400	46.5	60	2.4		**7401996**
OKA2 TW 70	2400	56.5	70	2.4		**7402000**
OKA2 TW 80	2400	66.5	80	2.4		**7402004**
OKA2 TW 90	2400	76.5	90	2.4		**7402008**
OKA2 TW 100	2400	86.5	100	2.4		**7401960**
OKA2 TW 150	2400	136.5	150	2.4		**7401980**

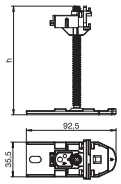
Divider for use in the floor trough of the previously prepared OKA-W trunking unit.

Always indicate the item number when ordering.

St

Height adjustment unit

Type	Dim. h mm	Duct height mm	Height adjustment range mm	Min. ordering quantity Piece	Item no.
OKA NEVE 110	110	40-110	40-110	6	**7425970**
OKA NEVE 150	150	40-150	40-150	6	**7425972**
OKA NEVE 250	250	40-250	40-250	6	**7425974**



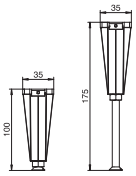


Complete levelling unit with express height adjustment for connecting, fastening and adjusting the height of trunking units of the OKA-G and OKA-W systems. For additional requirements.

St FS

Height adjustment unit for lid butt support, trunking height 100-175 mm

Type	Duct height mm	Height adjustment range mm	Min. ordering quantity Piece	Item no.
NE DSU2 10075	100-175	100-175	3	**7424844**



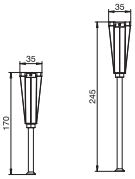


For central support of a lid butt support of nominal width 400, 500 or 600.

St FS

Height adjustment unit for lid butt support, trunking height 170-245 mm

Type	Duct height mm	Height adjustment range mm	Min. ordering quantity Piece	Item no.
NE DSU2 17075	170-245	170-245	3	**7424846**



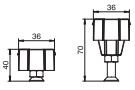


For central support of a lid butt support of nominal width 400, 500 or 600.

St FS

Height adjustment unit for lid butt support, trunking height 40-70 mm

Type	Duct height mm	Height adjustment range mm	Min. ordering quantity Piece	Item no.
NE DSU2 4030	40-70	40-70	3	**7424840**





For central support of a lid butt support of nominal width 400, 500 or 600.

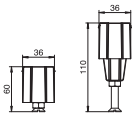
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Height adjustment units OKA-W

Height adjustment unit for lid butt support, trunking height 60-110 mm

St FS





Type	Duct height mm	Height adjustment range mm	Min. ordering quantity Piece	Item no.
NE DSU2 6050	60-110	60-110	3	**7424842**

For central support of a lid butt support of nominal width 400, 500 or 600.

Construction set, OKA-G and OKA-W angular branch

Construction set for trunking T branch and intersection

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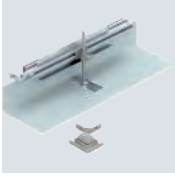


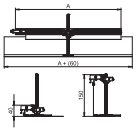
Type	Length mm	Width mm	Height mm	Min. ordering quantity Piece	Item no.
OKA FB2 TX	87	87	36	1	**7424821**

For construction-side creation of a trunking junction as a T piece or intersection. With all the parts necessary for mounting. Suitable for the OKA-G and OKA-W trunking systems.
2 construction sets are required to create an intersection.

Construction set for 90° angle to left, height 40–150 mm

St FS



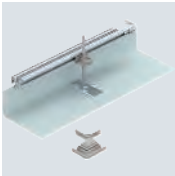


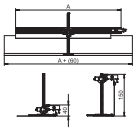
Type	Length mm	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA-G20040150FBL	260	200	40-150	1	**7423950**
OKA-G30040150FBL	360	300	40-150	1	**7423952**
OKA-G40040150FBL	460	400	40-150	1	**7423954**
OKA-G50040150FBL	560	500	40-150	1	**7423956**
OKA-G60040150FBL	660	600	40-150	1	**7423958**

For construction-side creation of a trunking junction as a 90° angle to the left. With all the parts necessary for mounting. Suitable for the OKA-G and OKA-W trunking systems.

Construction set for 90° angle to right, height 40–150 mm

St FS





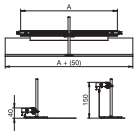
Type	Length mm	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA-G20040150FBR	260	200	40-150	1	**7423970**
OKA-G30040150FBR	360	300	40-150	1	**7423972**
OKA-G40040150FBR	460	400	40-150	1	**7423974**
OKA-G50040150FBR	560	500	40-150	1	**7423976**
OKA-G60040150FBR	660	600	40-150	1	**7423978**

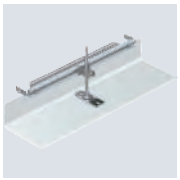
For construction-side creation of a trunking junction as a 90° angle to the right. With all the parts necessary for mounting. Suitable for the OKA-G and OKA-W trunking systems.

St FS

Trunking end piece, height 40–150 mm

Type	Length mm	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA-G20040150ES	260	200	40-150	1	**7424280**
OKA-G30040150ES	360	300	40-150	1	**7424282**
OKA-G40040150ES	460	400	40-150	1	**7424284**
OKA-G50040150ES	560	500	40-150	1	**7424286**
OKA-G60040150ES	660	600	40-150	1	**7424288**





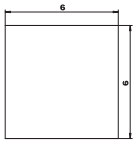
Ready-to-mount trunking end piece, consisting of a flexible apron with side and floor covering guide profiles. The scope of delivery contains trunking connection brackets and a height-adjustable fixing bracket.

MGUM

CE VDE

Flat seal

Type	Length mm	Width mm	Height mm	Min. ordering quantity m	Item no.
OKA FD	15000	6	6	15	**7424822**





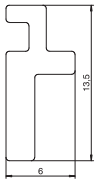
For later adhesion in the side profiles of the OKA-G/-W trunking system, allows the use of the trunking system in wet-cleaned floors, sold by the roll.

Alu

CE VDE

Floor covering contact profile

Type	Length mm	Width mm	Min. ordering quantity m	Item no.
OKA BA4 3	2400	4	2.4	**7404220**



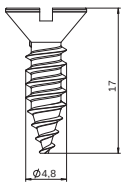


Floor guide profile for the OKA-G and OKA-W trunking systems. Insertable in the side profile flush with floor or at a height of 3 mm above the floor. Spare part.

CE VDE

Lid fastening screw

Type	Min. ordering quantity Piece	Item no.
DBS BE	18	**7407080**





Lid fastening screw for fastening mounting lids and blanking lids in the open, screed-flush trunking systems OKA-G, OKA-W and OKB.

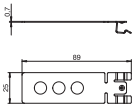
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Screed anchors OKA-G and OKA-W

Screed anchor

A2





Type	Min. ordering quantity Piece	Item no.
EA3 6	6	**7425140**

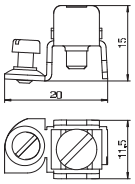
For anchoring trunking units, end pieces and extension units in the screed.

Protective conductor connection bracket

Protective conductor connection bracket

St G





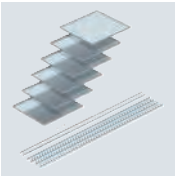
Type	Surface	Min. ordering quantity Piece	Item no.
8AWR	Electrogalvanised	10	**6288704**

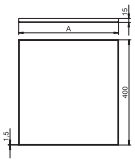
Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor duct systems in the protective measure.
Clamping area: 2 x 1.5–4 mm²

Cassettes OKA-G and OKA-W

Cassettes

A2



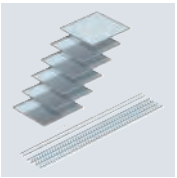


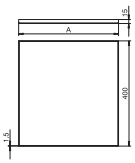
Type	Width mm	Cassette height mm	Min. ordering quantity Piece	Item no.
OKA RK 200 15	200	15	1	**7425300**
OKA RK 300 15	300	15	1	**7425310**
OKA RK 400 15	400	15	1	**7425320**

To accept wet or dry-cleaned floor coverings. Supplied with floor covering guide profiles and spacer bars (length = 1,200 mm) of cassette height. Six cassettes in the nominal trunking system width.

Cassettes

A2





Type	Width mm	Cassette height mm	Min. ordering quantity Piece	Item no.
OKA RK 500 15	500	15	1	**7425330**

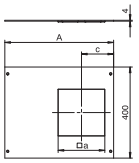
To accept wet or dry-cleaned floor coverings. Supplied with floor covering guide profiles and spacer bars (length = 1,200 mm) of cassette height. Six cassettes in the nominal trunking system width.

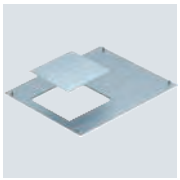
Always indicate the item number when ordering.

St FS

Mounting lid for GES4, 400 mm

Type	Width mm	Dim. A mm	Dim. a mm	Dim. c mm	Mounting opening	Number of mounting openings	Min. ordering quantity Piece	Item no.
OKA D 500 4	500	477	201	141	Square	1	1	**7425064**
OKA D 600 4	600	577	201	141	Square	1	1	**7425066**



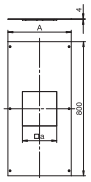


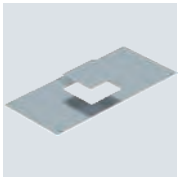
With mounting opening for the installation of an installation unit of nominal size 4. Mounting opening closed with blanking lid plate. Lid fixing screws contained in scope of delivery.

St FS

Mounting lid for GES4, 800 mm

Type	Width mm	Dim. A mm	Dim. a mm	Mounting opening	Number of mounting openings	Min. ordering quantity Piece	Item no.
OKA DG4 300	300	277	201	Square	1	1	**7402040**
OKA DG4 400	400	377	201	Square	1	1	**7402048**



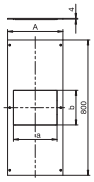


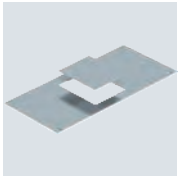
With mounting opening for the installation of an installation unit of nominal size 4. Mounting opening closed with blanking lid plate. Lid fixing screws contained in scope of delivery.

St FS

Mounting lid for GES6, 800 mm

Type	Width mm	Dim. A mm	Dim. a mm	Mounting opening	Number of mounting openings	Min. ordering quantity Piece	Item no.
OKA DG6 400	400	377	201	Rectangular	1	1	**7402056**



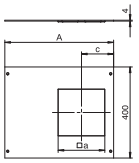


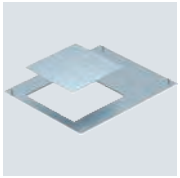
With mounting opening for the installation of an installation unit of nominal size 6. Mounting opening closed with blanking lid plate. Lid fixing screws contained in scope of delivery.

St FS

Mounting lid for GES9, 400 mm

Type	Width mm	Dim. A mm	Dim. a mm	Dim. c mm	Mounting opening	Number of mounting openings	Min. ordering quantity Piece	Item no.
OKA D 500 9	500	477	244	161	Square	1	1	**7425102**
OKA D 600 9	600	577	244	161	Square	1	1	**7425104**





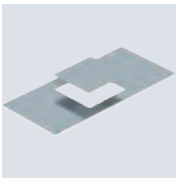
With mounting opening for the installation of an installation unit of nominal size 9. Mounting opening closed with blanking lid plate. Lid fixing screws contained in scope of delivery.

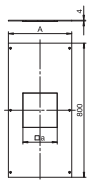
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Mounting lid OKA-G and OKA-W

Mounting lid for GES9, 800 mm

St FS



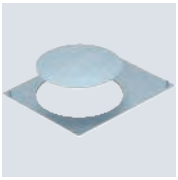


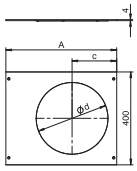
Type	Width mm	Dim. A mm	Dim. a mm	Mounting opening	Number of mounting openings	Min. ordering quantity Piece	Item no.
OKA DG9 400	400	377	244	Square	1	1	**7402064**

With mounting opening for the installation of an installation unit of nominal size 9. Mounting opening closed with blanking lid plate. Lid fixing screws contained in scope of delivery.

Mounting lid for GESR9, 400 mm

St FS



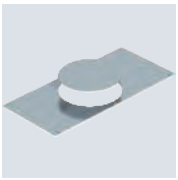


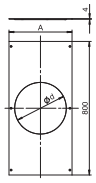
Type	Width mm	Dim. A mm	Dim. c mm	Dim. d Ø mm	Mounting opening	Number of mounting openings	Min. ordering quantity Piece	Item no.
OKA D 500 R9	500	477	192	305	Round	1	1	**7425122**
OKA D 600 R9	600	577	192	305	Round	1	1	**7425124**

With mounting opening for the installation of an installation unit of nominal size R9. Mounting opening closed with blanking lid plate. Lid fixing screws contained in scope of delivery.

Mounting lid for GESR9, 800 mm

St FS



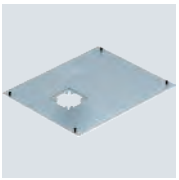


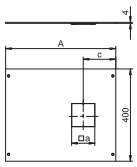
Type	Width mm	Dim. A mm	Dim. a mm	Mounting opening	Number of mounting openings	Min. ordering quantity Piece	Item no.
OKA DGR9 400	400	377	–	Round	1	1	**7402068**

With mounting opening for the installation of an installation unit of nominal size R9. Mounting opening closed with blanking lid plate. Lid fixing screws contained in scope of delivery.

Mounting lid for Telitank top, 400 mm

St FS





Type	Width mm	Length mm	Dim. A mm	Dim. a mm	Dim. c mm	Min. ordering quantity Piece	Item no.
OKA D 500 DAT	500	400	477	100	141	1	**7425046**
OKA D 600 DAT	600	400	577	100	141	1	**7425048**

With mounting opening for the setup of a Telitank. Mounting opening closed with blanking plate lid. Lid fixing screws contained in scope of delivery.

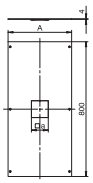
Always indicate the item number when ordering.

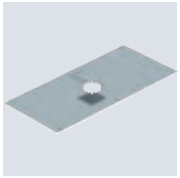
St FS

CE

Mounting lid for Telitank top, 800 mm

Type	Width mm	Length mm	Dim. A mm	Dim. a mm	Min. ordering quantity Piece		Item no.
OKA DAT 200	200	800	177	100	1		**7401904**
OKA DAT 300	300	800	277	100	1		**7401912**
OKA DAT 400	400	800	377	100	1		**7401920**





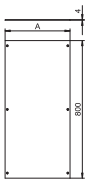
With mounting opening for the setup of a Telitank. Mounting opening closed with blanking plate lid. Lid fixing screws contained in scope of delivery.

St FS

CE VDE

Mounting lid, blank, 800 mm

Type	Width mm	Mounting opening	Dim. A mm	Min. ordering quantity Piece		Item no.
OKA D 200	200	Without	177	1		**7401870**
OKA D 300	300	Without	277	1		**7401997**
OKA D 400	400	Without	377	1		**7401898**
OKA D 500	500	Without	477	1		**7425006**
OKA D 600	600	Without	577	1		**7425008**





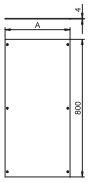
For blank closing of a trunking unit. Lid fixing screws contained in scope of delivery.

St FS

CE VDE

Mounting lid, blank, locking, 800 mm

Type	Width mm	Mounting opening	Dim. A mm	Min. ordering quantity Piece		Item no.
OKA D 200 R	200	Without	177	1		**7425020**
OKA D 300 R	300	Without	277	1		**7425022**
OKA D 400 R	400	Without	377	1		**7425024**
OKA D 500 R	500	Without	477	1		**7425026**
OKA D 600 R	600	Without	577	1		**7425028**

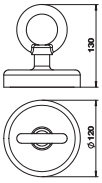




For blank closing of a trunking unit. Lid fixing screws and locking elements contained in scope of delivery. Trunking lids with locking elements can be stacked, without any damage to the locking elements.

Magnetic lifter, 1,300 N

Type	Min. ordering quantity Piece		Item no.
WZ 1028	1		**7408630**





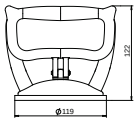
Magnetic lifter WZ 1028 for lifting boxes and trunking covers that have textile floor coverings of a 3–10 mm thickness glued on. Adhesive force: 1,300 N

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Lifting tool OKA-G and OKA-W

Suction lifter, 300 N



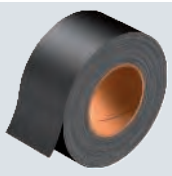


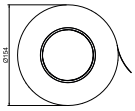
Type	Min. ordering quantity Piece		Item no.
WZ 1029	1		**7408634**

For lifting out cassettes, boxes and trunking lids. Support force 300 N.

Adhesive tape

Adhesive tape





Type	Length m	Width mm	Thickness mm	Min. ordering quantity Piece		Item no.
KB 50	50	48	0.25	1		**7400558**

The adhesive tape is used to seal and stabilise underfloor systems.

Always indicate the item number when ordering.

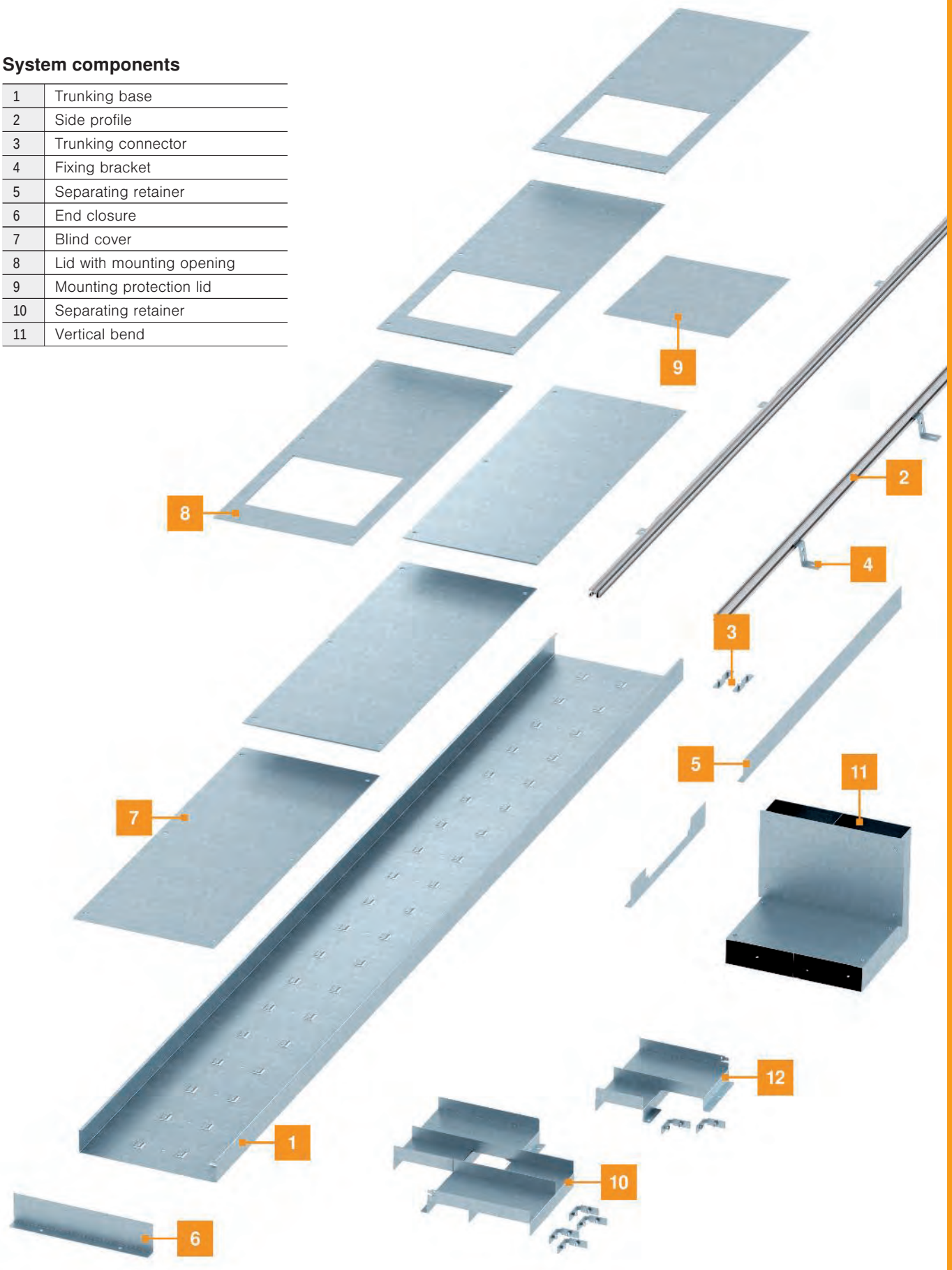
Open trunking system, screed-flush OKA-T



Installation principle, OKA-T screed-flush trunking system

System components

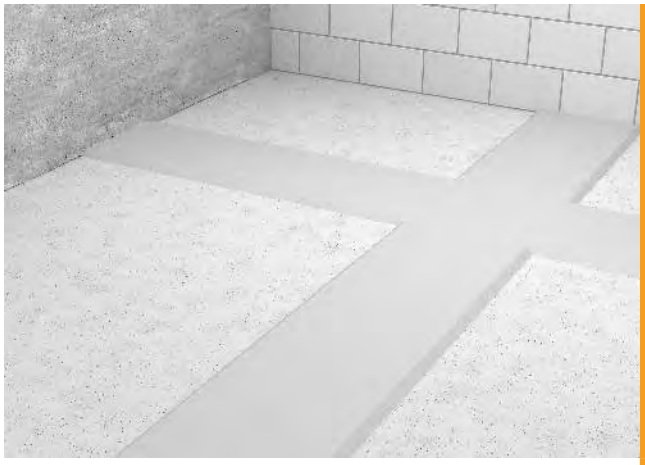
1	Trunking base
2	Side profile
3	Trunking connector
4	Fixing bracket
5	Separating retainer
6	End closure
7	Blind cover
8	Lid with mounting opening
9	Mounting protection lid
10	Separating retainer
11	Vertical bend



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System description and floor structure

The open, screed-flush OKA-T trunking system is used for cable routing and the installation of electrical resources in the underfloor area. The floor trough and trunking cover are made from galvanised sheet steel with a zinc coating of 275 g/m² according to EN 10327 DX51D+Z275-N-A-C.
The trunking system is closed on all sides. It can be opened along the entire length. The side profiles contain an endless screw track for the fastening screws of the trunking covers, meaning that all the trunking covers can be mounted at any point in the trunking run. Even covers shortened for construction reasons can be fastened to any point in the trunking run.
The side profiles support the screed connection of the trunking system, providing a high load capacity.
Separating retainers are conductively connected to the trunking bases on insertion. Screwing the trunking covers to the side profiles means that all the metallic parts of the system have a conductive connection. The trunnking system can be included in the equipotential bonding safely and easily.



Preparation of mounting substrate

The mounting substrate is prepared along the routing section with an additional screed bed as a levelled fine layer. Its surface should be level and smooth.



System height

The OKA-T trunking system has a set height of 65 mm.



Closed

The trunking system with enclosed floor trough offers a high level of security. Neither dust nor dirt from the construction site or from the adjacent screed can penetrate inside.



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Secure mounting

The OKA-T trunking system is installed and mounted on the levelled fine layer. No further levelling is required. The mounting accessories required are included.



Mounting of the trunking covers

The mounting covers are inserted in the side profiles and fastened with the cover fastening screws.

Connection of trunking bases

The trunking bases are aligned by connecting the side profiles. In addition, the screw connection means that the side profiles have a conductive connection and can be included in the protective measure.

Creating equipotential bonding

All the metallic parts of the trunking system must be included in the protective measure against indirect contact with parts carrying voltage and are therefore equipped with the appropriate connection options for the earth conductor clamp.



Fastening the trunking system

Trunking fastening brackets are inserted from the outside into both sides of the side profile. A fixed position of the fixing brackets is not intended.

Pre-mounted units

The trunking units are supplied, ready to mount, with three covers. On delivery, the trunking covers are screwed on and strapped on. This means that they cannot get lost on the construction site.

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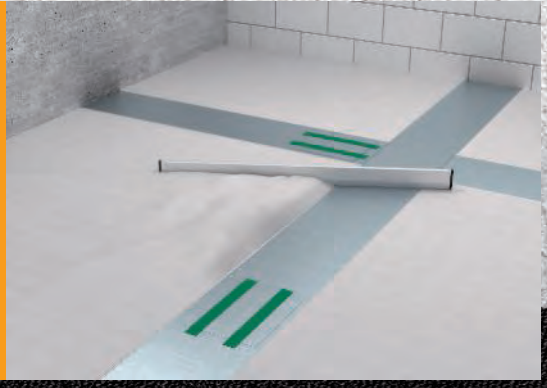
System structure

Cabling

Separating elements ensure safe separation of the cables.

Screed work

The screed can be laid after the routing, fastening and covering of the trunking system. Ensure that the side profiles are well supported with screed.



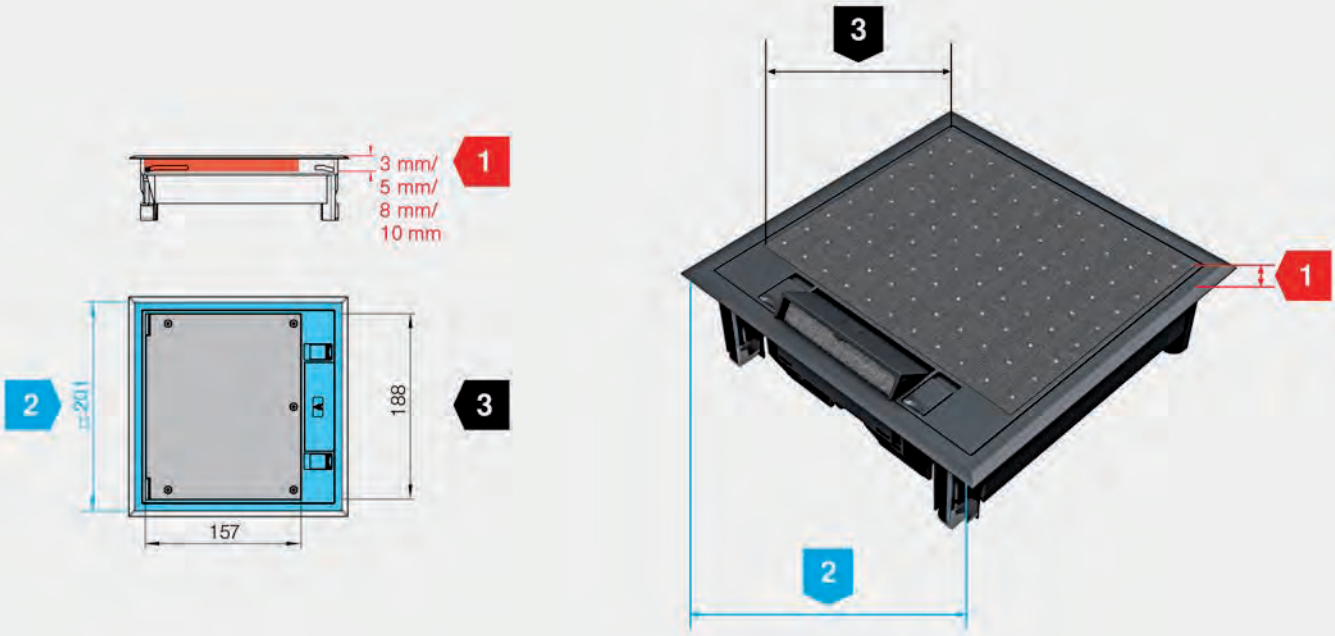


Device installation

A service outlet with three partitions is installed in 3-compartment trunking systems. The accessories are mounted in the service outlet in or below type AMPT5 cover plates.

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Installation and floor cut-out dimensions



Various installation and floor cut-out dimensions must be taken into account for the mounting of service outlets and the application of floor coverings in the device 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. If, in the figure, several heights are specified, then the frame height can be changed during construction: By adding or removing spaces, it is possible to adjust the desired frame height to the floor covering. In the as-delivered state, the frame height is usually 5 mm.

2

Floor cut-out for the installation of service outlets (blue dimensions)
The dimensions for the floor cut-out should be considered as target dimensions for correct installation of the service outlet in the floor. They are only generally required for the floor cut-out in system floors. When mounting service outlets in the EÜK screed-covered duct system or in the OKA open trunking system, they need not be taken into account, as these systems 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 cover 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.

Cables in an installation trunking
Here you can find an overview which tells you how many cables of which diameter fit into which compartment width. Always observe an initial filling factor of 50%.

Used filling factor in table is 50%.

Usable cross-section without crossing or branch, OKA-T



Usable cross-sections for OKA-T

Nominal size Duct width in mm	Nominal size Duct height in mm	Usable cross-section Draw 1 in mm²	Usable cross-section Draw 2 in mm²	Usable cross-section Draw 3 in mm²	Total in mm²
300	65	5,914	5,402	5,873	17189
400	65	8935	5,402	8899	23236

300 mm wide trunking, number of cables

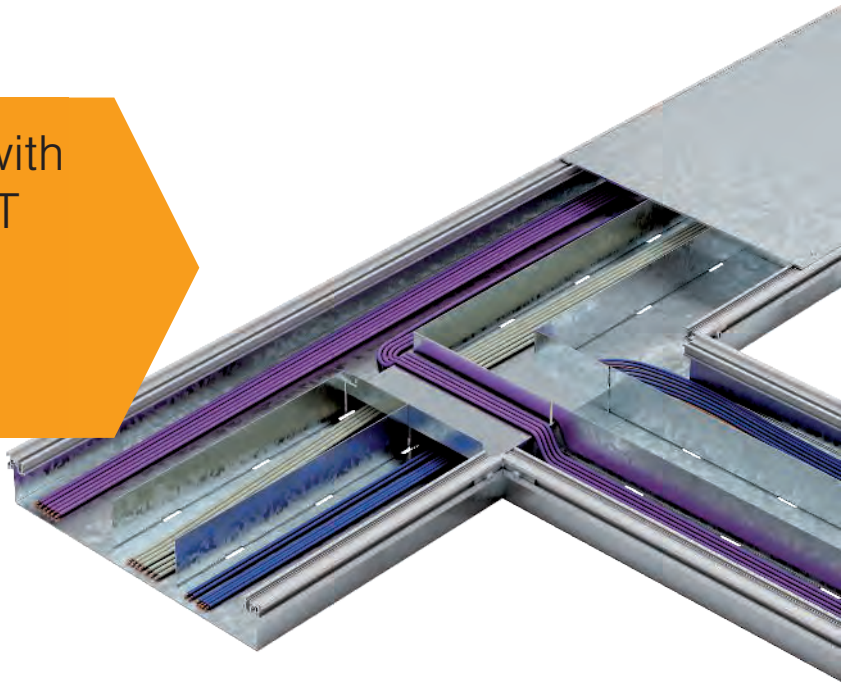
Cable Ø in mm	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Compartment 1	118	82	60	46	37	30	24	21	17	15	13	12	10	9
Compartment 2	108	75	55	42	33	27	22	19	16	14	12	11	9	8
Compartment 3	117	82	60	46	36	29	24	20	17	15	13	11	10	9

400 mm wide trunking, number of cables

Cable Ø in mm	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Compartment 1	179	124	91	70	55	45	37	31	26	23	20	17	15	14
Compartment 2	108	75	55	42	33	27	22	19	16	14	12	11	9	8
Compartment 3	178	124	91	70	55	44	37	31	26	23	20	17	15	14

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Usable cross-section with crossing or branch, OKA-T



Usable cross-sections for OKA-T

Trunking width in mm	Trunking height in mm	Usable cross-section compartment 1 in mm²	Usable cross-section compartment 2 in mm²	Usable cross-section compartment 3 in mm²	Total in mm²
300	65	2957	2701	2936	8594
400	65	4467	2701	4449	11617

300 mm wide trunking, number of cables

Cable Ø in mm	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Compartment 1	59	41	30	23	18	15	12	10	9	8	7	6	5	5
Compartment 2	54	38	28	21	17	14	11	9	8	7	6	5	5	4
Compartment 3	59	41	30	23	18	15	12	10	9	7	7	6	5	5

400 mm wide trunking, number of cables

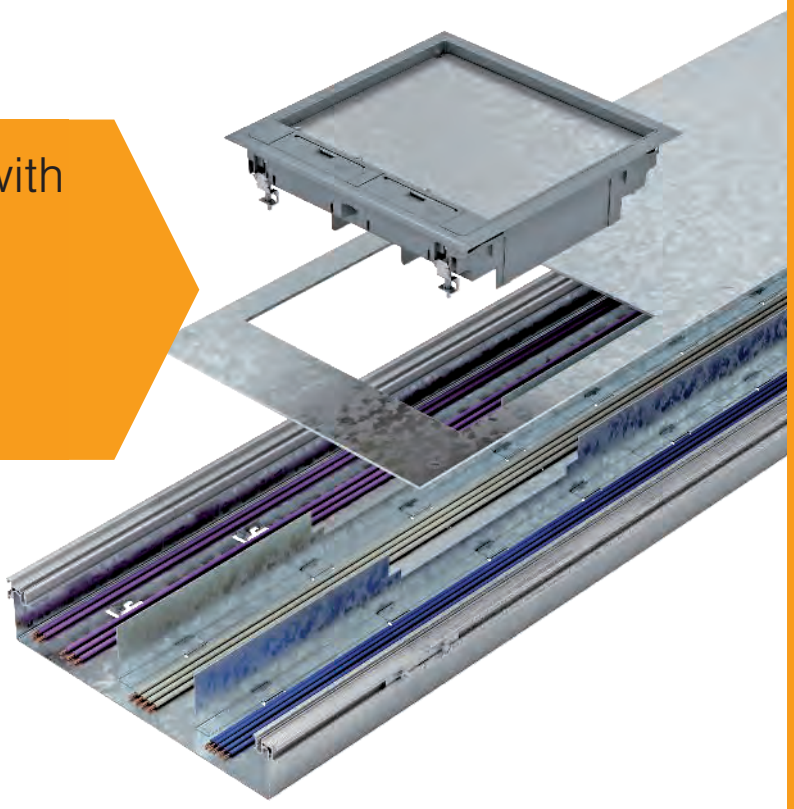
Cable Ø in mm	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Compartment 1	89	62	46	35	28	22	18	16	13	11	10	9	8	7
Compartment 2	54	38	28	21	17	14	11	9	8	7	6	5	5	4
Compartment 3	89	62	46	35	27	22	18	15	13	11	10	9	8	7

Cables in an installation trunking with device installation in GES9-3

Here you can find an overview which tells you how many cables of which diameter fit into which compartment width. Always observe an initial filling factor of 50%.

Used filling factor in table is 50%.

Usable cross-section with device installation in GES9-3, OKA-T



Usable cross-sections for OKA-T

Trunking width in mm	Trunking height in mm	Usable cross-section compartment 1 in mm²	Usable cross-section compartment 2 in mm²	Usable cross-section compartment 3 in mm²	Total in mm²
300	65	1632	572	1580	3784
400	65	4657	572	4575	9804

300 mm wide trunking, number of cables

Cable Ø in mm	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Compartment 1	33	23	17	13	10	8	7	6	5	4	4	3	3	3
Compartment 2	11	8	6	4	4	3	2	2	2	1	1	1	1	1
Compartment 3	32	22	16	12	10	8	7	5	5	4	4	3	3	2

400 mm wide trunking, number of cables

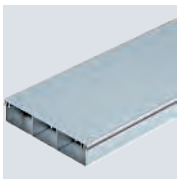
Cable Ø in mm	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Compartment 1	93	65	48	36	29	23	19		14	12			8	7
Compartment 2	11	8	6	4	4	3	2	2	2	1	1	1	1	1
Compartment 3	92	64	47	36	28	23	19	16	14	12	10	9	8	7

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OKA-T underfloor installation trunking, open, three-compartment, width 300 mm

Trunking unit, blank, height 65 mm

St FS CE



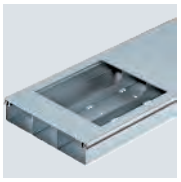


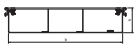
Type	Length mm	Width mm	Height mm	Min. ordering quantity Piece	Item no.
OKA-T 30065	2400	300	65	1	**7402223**

3 compartment flush floor trunking with 3 blind lids. Trunking unit consists of trunking connectors, fixing brackets and separating retainers.

Trunking unit for GES9, height 65 mm

St FS CE



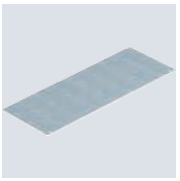


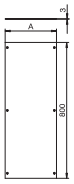
Type	Length mm	Width mm	Height mm	Min. ordering quantity Piece	Item no.
OKA-T 30065 D9	2400	300	65	1	**7402224**

3 compartment flush floor trunking with 3 mounting lids for GES9. Trunking unit consists of trunking connectors, fixing brackets and separating retainers.

OKA-T trunking cover, blank

St FS CE



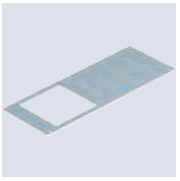


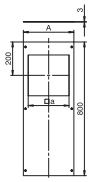
Type	Width mm	Length mm	Min. ordering quantity Piece	Item no.
OKAT D 300	300	800	1	**7402535**

Trunking cover for flushfloor OKA-T trunking system, blind version.

OKA-T trunking cover with GES9 mounting opening

St FS CE





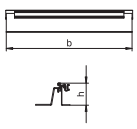
Type	Dim. A mm	Dim. a mm	Width mm	Length mm	Min. ordering quantity Piece	Item no.
OKAT DG 9 300	303	244	300	800	1	**7402549**

Trunking cover for flushfloor OKA-T trunking system with installation opening for installation units of nominal size 9.

OKA-T 90° branch for trunking width 300 mm

St FS CE





Type	Dim. b mm	Dim. h mm	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA B30065	303	65	300	65	1	**7402304**

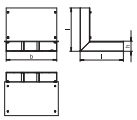
90° branch for a flushfloor OKA-T trunking system, consisting of an end cap and connection brackets.

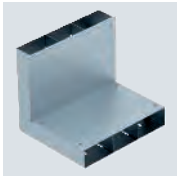
St FS

CE

OKA-T vertical bend

Type	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA RB3 30065	300	65	1	**7402420**





For vertical direction change of 3-compartment flushfloor OKA-T trunking system (wall connections, supplies).

St FS

CE

OKA-T trunking end piece

Type	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA E30065	300	65	1	**7402364**





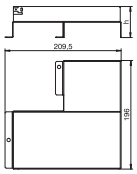
End cap for flushfloor OKA-T trunking system, consisting of an L-shaped bracket.

St FS

CE

OKA-T separating element, T branch for trunking widths 300 mm on 300 mm

Type	Dim. h mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA C3 30030065	61	65	1	**7404258**





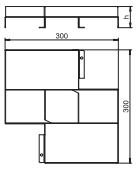
Separating element for a three-compartment T branch in an OKA-T flushfloor trunking system for branching trunking of width 300 mm.

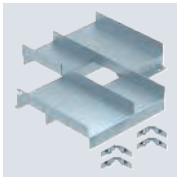
St FS

CE

OKA-T separating element, intersection for trunking width 300 mm on 300 mm

Type	Dim. h mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA CC3 30030065	61	65	1	**7404340**





Separating element for a three-compartment cross branch of OKA-T flushfloor trunking systems of width 300 mm.

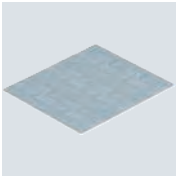
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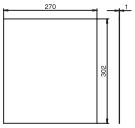
OKA-T underfloor installation trunking, open, three-compartment, width 300 mm

Mounting protection lid OKAT DG 9

St FS

CE





Type	Min. ordering quantity Piece	Item no.
OKAT DG 9	1	**7402587**

Protective mounting lid für flushfloor OKA-T trunking system with installation opening for installation unit.

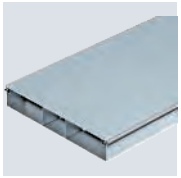
St FS

CE

Trunking unit, blank, height 65 mm

Type	Length mm	Width mm	Height mm	Min. ordering quantity Piece	Item no.
OKA-T 40065	2400	400	65	1	**7402225**





3 compartment flush floor trunking with 3 blind lids. Trunking unit consists of trunking connectors, fixing brackets and separating retainers.

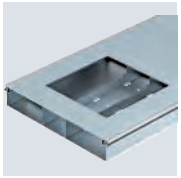
St FS

CE

Trunking unit for GES9, height 65 mm

Type	Length mm	Width mm	Height mm	Min. ordering quantity Piece	Item no.
OKA-T 40065 D9	2400	400	65	1	**7402226**





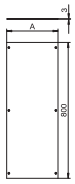
3 compartment flush floor trunking with 3 mounting lids for GES9. Trunking unit consists of trunking connectors, fixing brackets and separating retainers.

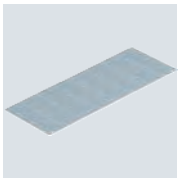
St FS

CE

OKA-T trunking cover, blank

Type	Dim. A mm	Width mm	Length mm	Min. ordering quantity Piece	Item no.
OKAT D 400	403	400	800	1	**7402539**





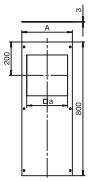
Trunking cover for flushfloor OKA-T trunking system, blind version.

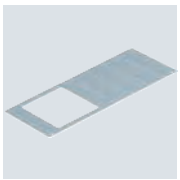
St FS

CE

OKA-T trunking cover with GES9 mounting opening

Type	Dim. A mm	Dim. a mm	Width mm	Length mm	Min. ordering quantity Piece	Item no.
OKAT DG 9 400	403	244	400	800	1	**7402553**





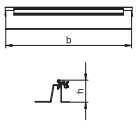
Trunking cover for flushfloor OKA-T trunking system with installation opening for installation units of nominal size 9.

St FS

CE

OKA-T 90° branch for trunking width 400 mm

Type	Dim. b mm	Dim. h mm	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA B40065	403	65	400	65	1	**7402320**





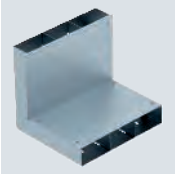
90° branch for a flushfloor OKA-T trunking system, consisting of an end cap and connection brackets.

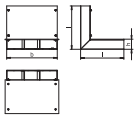
UFS Portfolio UK 2025 / en / 2025/08/11 10:07:06 (LLExport_03821) / 2025/08/11 10:07:45 10:07:45

OKA-T underfloor installation trunking, open, three-compartment, width 400 mm

OKA-T vertical bend

St FS



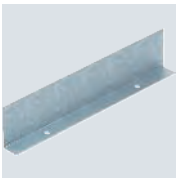


Type	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA RB3 40065	400	65	1	**7402436**

For vertical direction change of 3-compartment flushfloor OKA-T trunking system (wall connections, supplies).

OKA-T trunking end piece

St FS



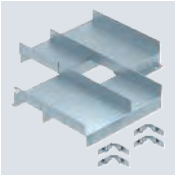


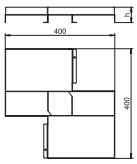
Type	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA E40065	400	65	1	**7402380**

End cap for flushfloor OKA-T trunking system, consisting of an L-shaped bracket.

OKA-T separating element, intersection for trunking width 400 mm with 400 mm

St FS



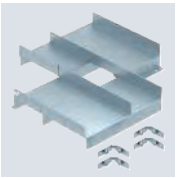


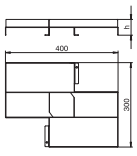
Type	Dim. h mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA CC3 40040065	61	65	1	**7402350**

Separating element for a three-compartment cross branch of flushfloor OKA-T trunking systems of width 400 mm.

OKA-T separating element, intersection for trunking width 400 mm with 300 mm

St FS





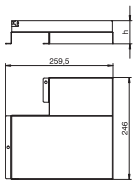
Type	Dim. h mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA CC3 40030065	61	65	1	**7402334**

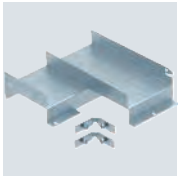
Separating element for a three-compartment cross branch of flushfloor OKA-T trunking systems of width 300 mm.

St FS

OKA-T separating element, T branch for trunking width 400 mm with 400 mm

Type	Dim. h mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA C3 40040065	61	65	1	**7404296**



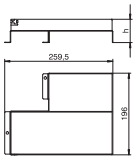


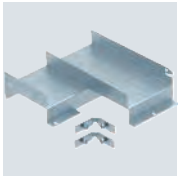
Separating element for a three-compartment T branch in an OKA-T flushfloor trunking system for branching trunking of width 400 mm.

St FS

OKA-T separating element, T branch for trunking width 400 mm with 300 mm

Type	Dim. h mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKA C3 40030065	61	65	1	**7404282**



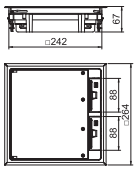


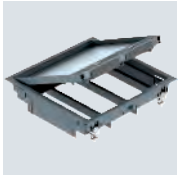
Separating element for a three-compartment T branch in an OKA-T flushfloor trunking system for branching trunking of width 300 mm.

PA

GES9/10 service outlet for OKA-T, 3-compartment

Type	Colour	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
GES9 10OK U 7011	Iron grey	10	1	**7402290**





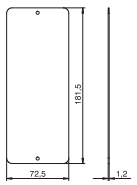
Square flushfloor installation unit for mounting in an OKA-T trunking system. With mounting support to accept up to three APMT5 cover plates.

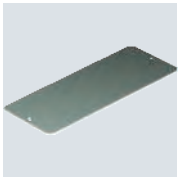
Service outlet with handle clamp for mounting in a OKA-T trunking system. With mounting support for receiving up to three APMT5 cover plates.

St FSO

Cover plate APMT5/0

Type	Colour	Min. ordering quantity Piece	Item no.
AP MT5 0	Grey-white	20	**7406904**





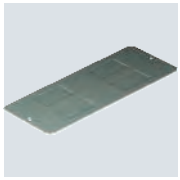
For blanking locking on an unused compartment in an MT mounting support.
L = 181.5 mm.

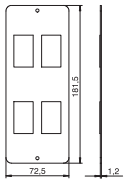
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OKA-T underfloor installation trunking, open, three-compartment, width 400 mm

Cover plate APMT5/1

St FSO



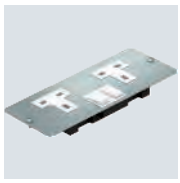


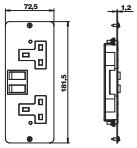
Type	Colour	Length mm	Min. ordering quantity Piece		Item no.
AP MT5 1	Grey-white	181.5	20		**7406908**

Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 181.5 mm.

Cover plate APMT5 with double socket

St FSO





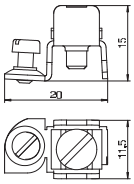
Type	Colour	Length mm	Min. ordering quantity Piece		Item no.
AP MT5 BS 2SS0	Grey-white	181.5	4		**7407870**

Cover plate with a switched double socket for installation in mounting supports beneath GES service outlets and cassettes. Socket with increased contact protection with screw connection, 3-pole, 13 A, 250 V~, corresponds to BS 1363.

Protective conductor connection bracket

St G





Type	Min. ordering quantity Piece		Item no.
8AWR	10		**6288704**

Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor duct systems in the protective measure.
Clamping area: 2 x 1.5–4 mm²

If there is a fault, metallic parts will carry voltage. Tighten the contact screw with at least 1.2 Nm or ensure the contact with mechanical work.

Screed-flush trunking OKB



Perfectly adjusted



There are almost no signs of how this room is supplied with power. Only a slender, discreet brush bar along the wall offers an indication. It is there that the open, screed-flush OKB brush bar trunking system runs. The special feature: The trunking has an opening towards the wall along its entire length. A brush bar covers this opening and serves as visually attractive sight and dust protection. The cables can be run out of the trunking at any location.

The OKB brush bar trunking system remains flexible, from the first planning step through to later use. It can be adapted to the appropriate room situation at any time: The mounted trunking can be opened easily and re-equipped.

The system offers discreet access to power and data cables – no matter whether in high-quality private housing, in offices or in exhibition areas. The combination with additional OBO products is very simple: Installation pipes can be used to connect floor sockets (GES R2 or UDHOME) with the trunking system. Use with other trunking systems to supply the area is also possible.



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Mounting before screed work

The OKB system is mounted on the raw concrete before the screed work. It runs along the walls for the entire length of the room. The trunking can be adjusted to the appropriate room shape using the matching internal and external corners. The system can be adjusted exactly to the planned screed height using the height-adjustment feet.



Before mounting

Firstly, the height-adjustments units are screwed into the trunking. Then, the trunking bases are mounted using the supplied connectors. The connectors ensure a secure, conductive connection.

In every angle

The practical fittings of the OKB system allow routing into any corner of the room. Appropriate internal and external corners ensure uncomplicated mounting.



The right level

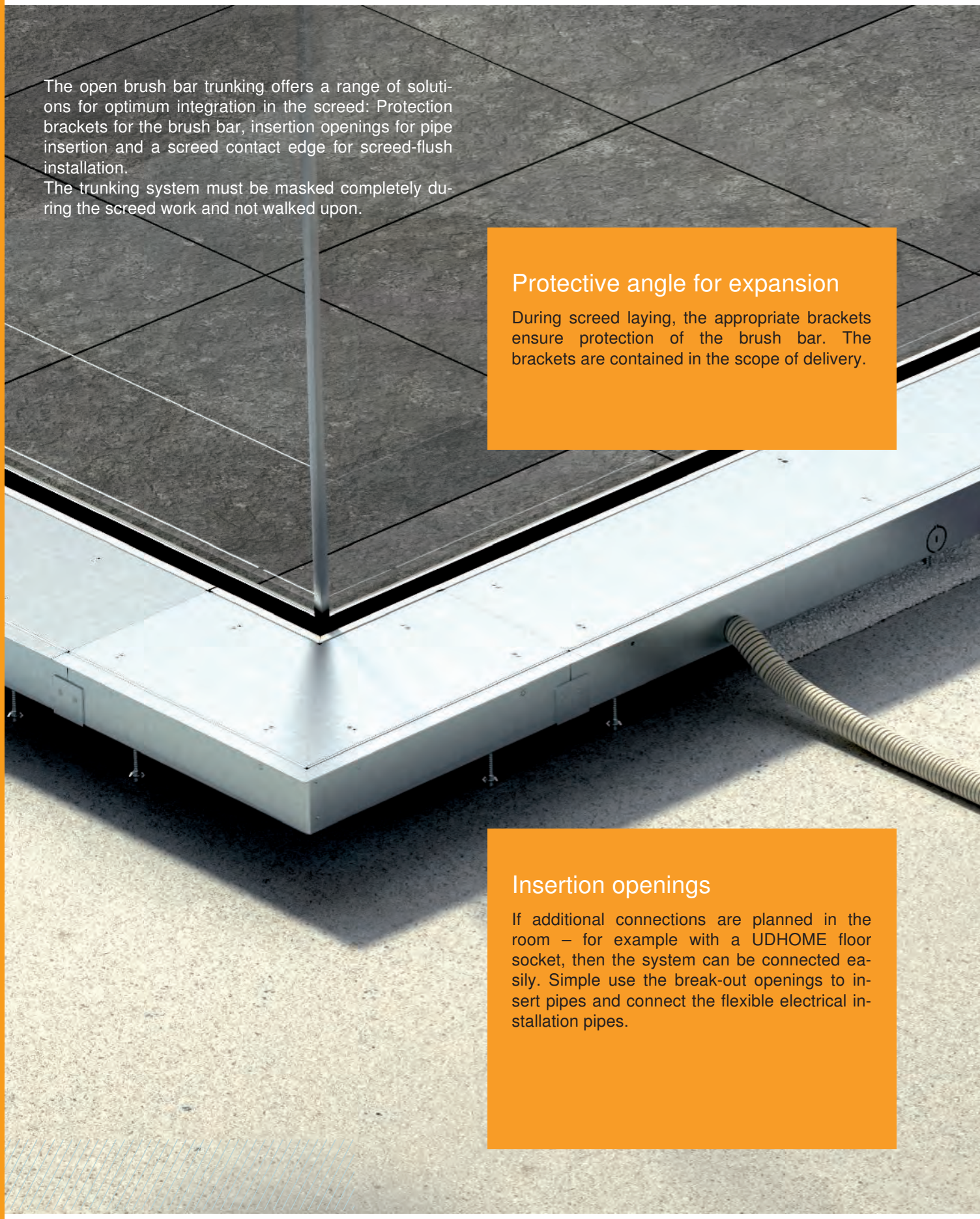
The height of the trunking can be adjusted using height-adjustment screws on the top edge of the screed and then secured at this height using lock nuts. In the next step, the floor plates of the height-adjustment units are fastened to the raw ceiling.



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Ideal integration in the screed

The open brush bar trunking offers a range of solutions for optimum integration in the screed: Protection brackets for the brush bar, insertion openings for pipe insertion and a screed contact edge for screed-flush installation.
The trunking system must be masked completely during the screed work and not walked upon.



Protective angle for expansion

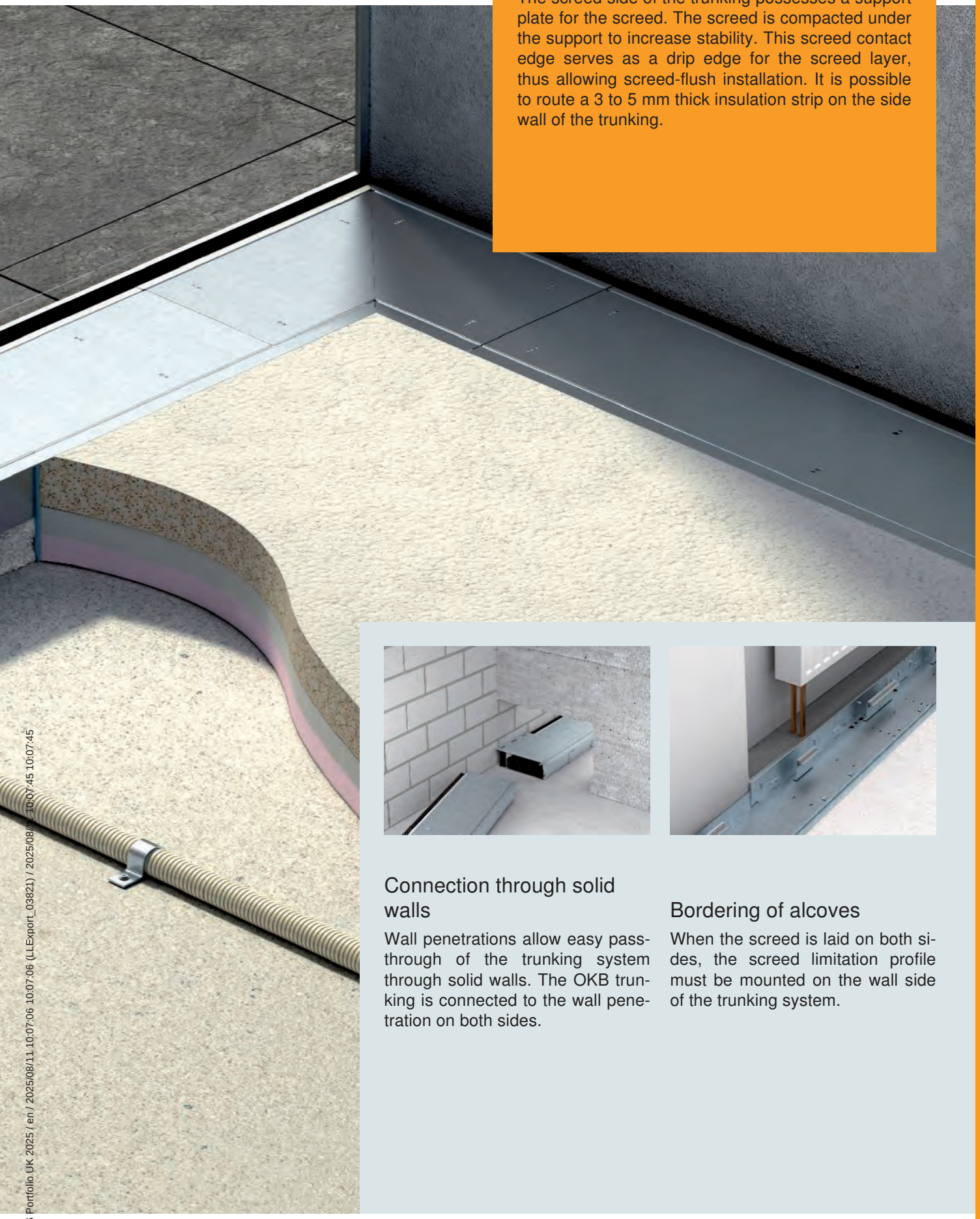
During screed laying, the appropriate brackets ensure protection of the brush bar. The brackets are contained in the scope of delivery.

Insertion openings

If additional connections are planned in the room – for example with a UDHOME floor socket, then the system can be connected easily. Simple use the break-out openings to insert pipes and connect the flexible electrical installation pipes.

Screed contact edge

The screed side of the trunking possesses a support plate for the screed. The screed is compacted under the support to increase stability. This screed contact edge serves as a drip edge for the screed layer, thus allowing screed-flush installation. It is possible to route a 3 to 5 mm thick insulation strip on the side wall of the trunking.



Connection through solid walls

Wall penetrations allow easy pass-through of the trunking system through solid walls. The OKB trunking is connected to the wall penetration on both sides.

Bordering of alcoves

When the screed is laid on both sides, the screed limitation profile must be mounted on the wall side of the trunking system.

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Last installation steps

After screed laying, the trunking can be equipped with sockets or data modules, according to the user's requirements.

Fine adjustment also takes place now: The floor covering contact edge and the brush bars are adjusted to match the top edge of the floor covering. This creates a perfectly matched trunking system, which is barely visible.



Blanking lid

If no cable outlet is required, blanking lids can be installed without a brush bar.



Adjusting the floor height

Using screws in the side profile, it is possible to adjust the floor covering contact edge of the trunking to the height of the top edge of the finished floor in an adjustment range of 25 mm.



Covering the lid

All the lids of the OKB system are covered with the selected finished floor after mounting. Matched to the height of the covering, the brush bar can be adjusted exactly to the top edge of the floor covering in a range of 25 mm.

Device installation

Devices can be installed in the trunking in two ways: Either using conventional wiring or using the toolless, screwless installation using devices of the Modul 45connect series.

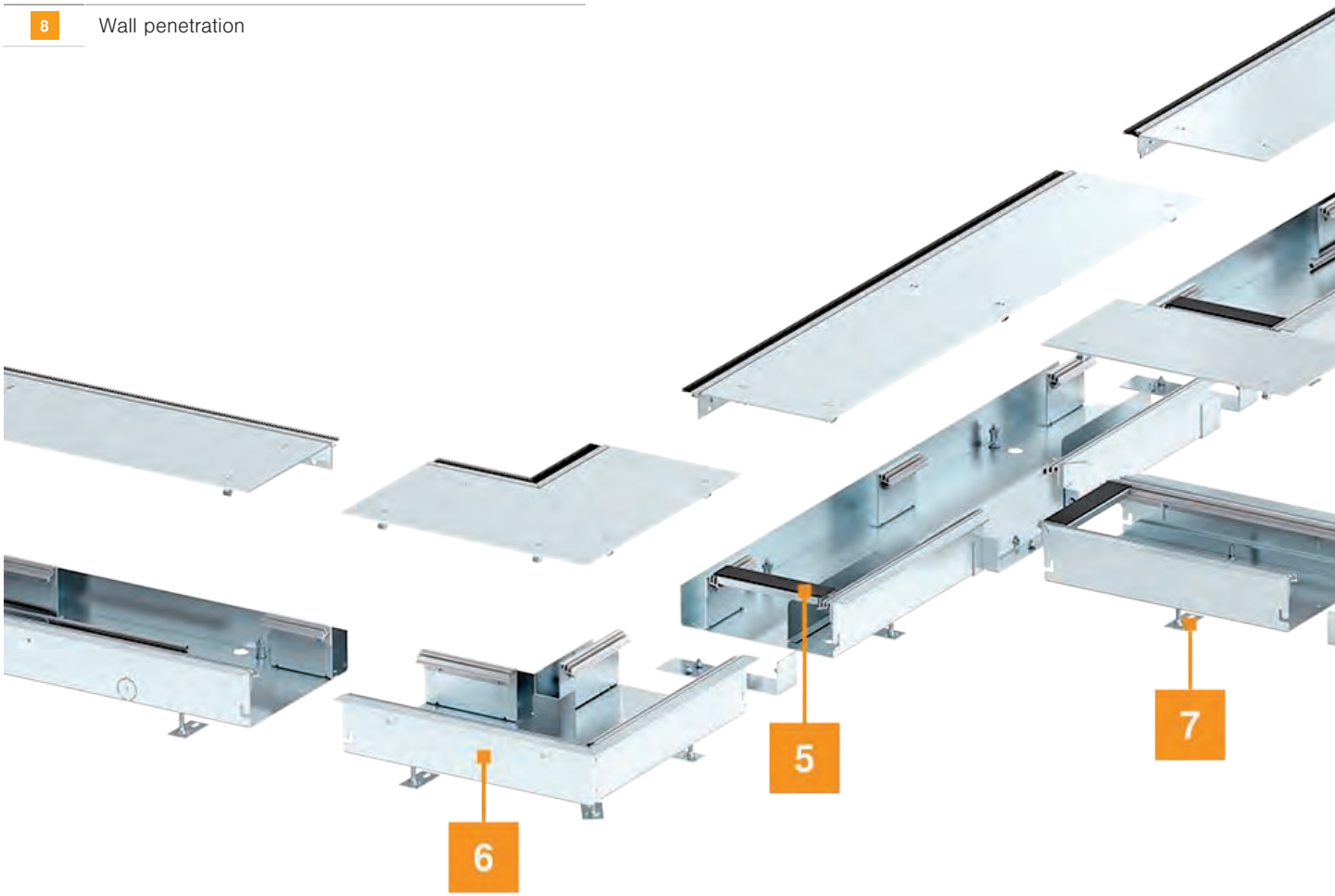
The plug connections and the prefabricated connection cables of the Modul 45connect sockets simplify and accelerate mounting. This means that later refitting in the system is not a problem: Only the plug connections must be released and the mounting box reequipped.

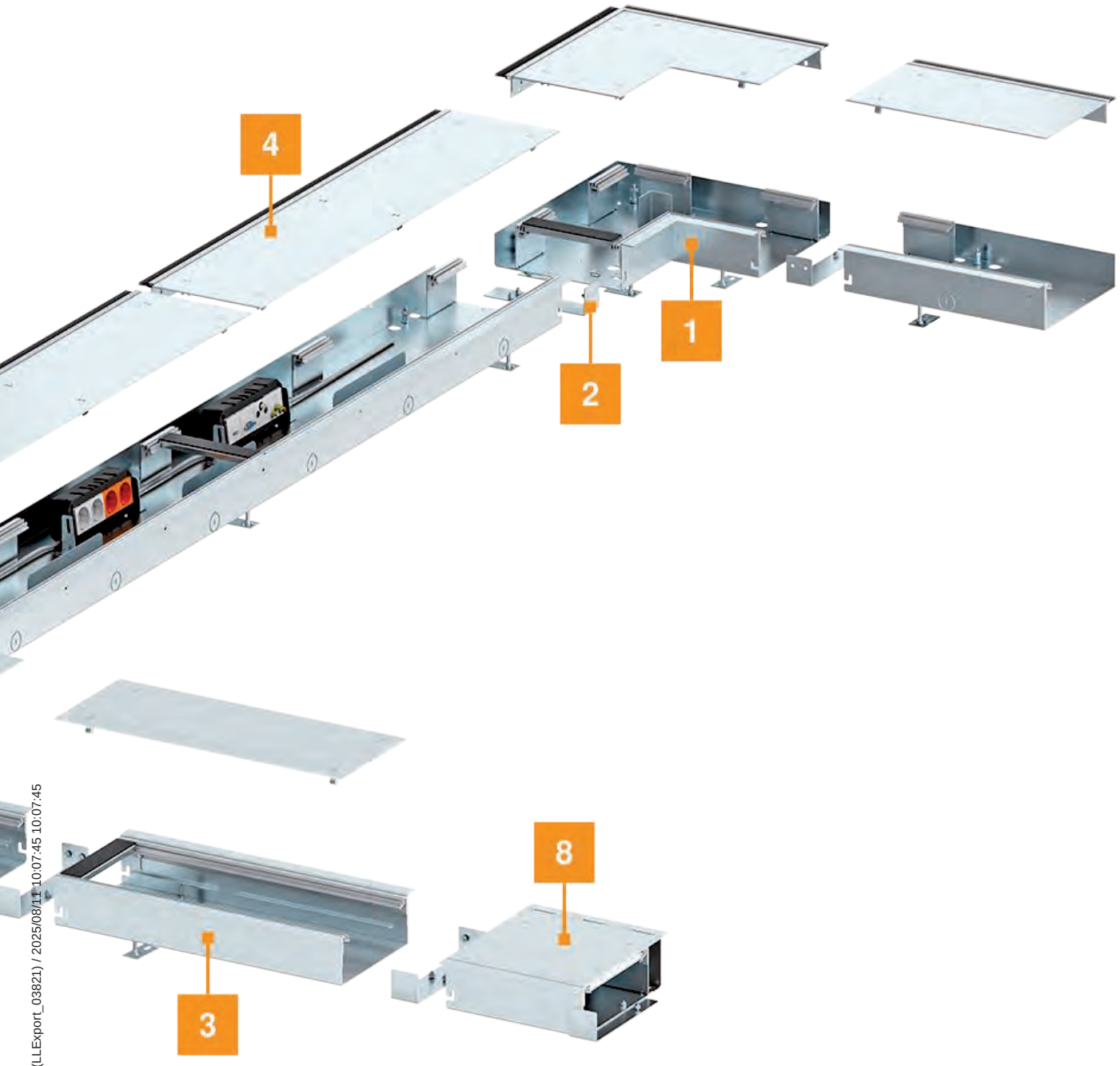
Sockets, data and multimedia connections can be installed with the connection direction to the wall or the room.

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Installation principle

1	Internal corner
2	Connector for trunking unit
3	Supply trunking
4	Trunking unit with brush bar
5	Lid butt seal
6	External corner
7	Height-adjustment unit
8	Wall penetration

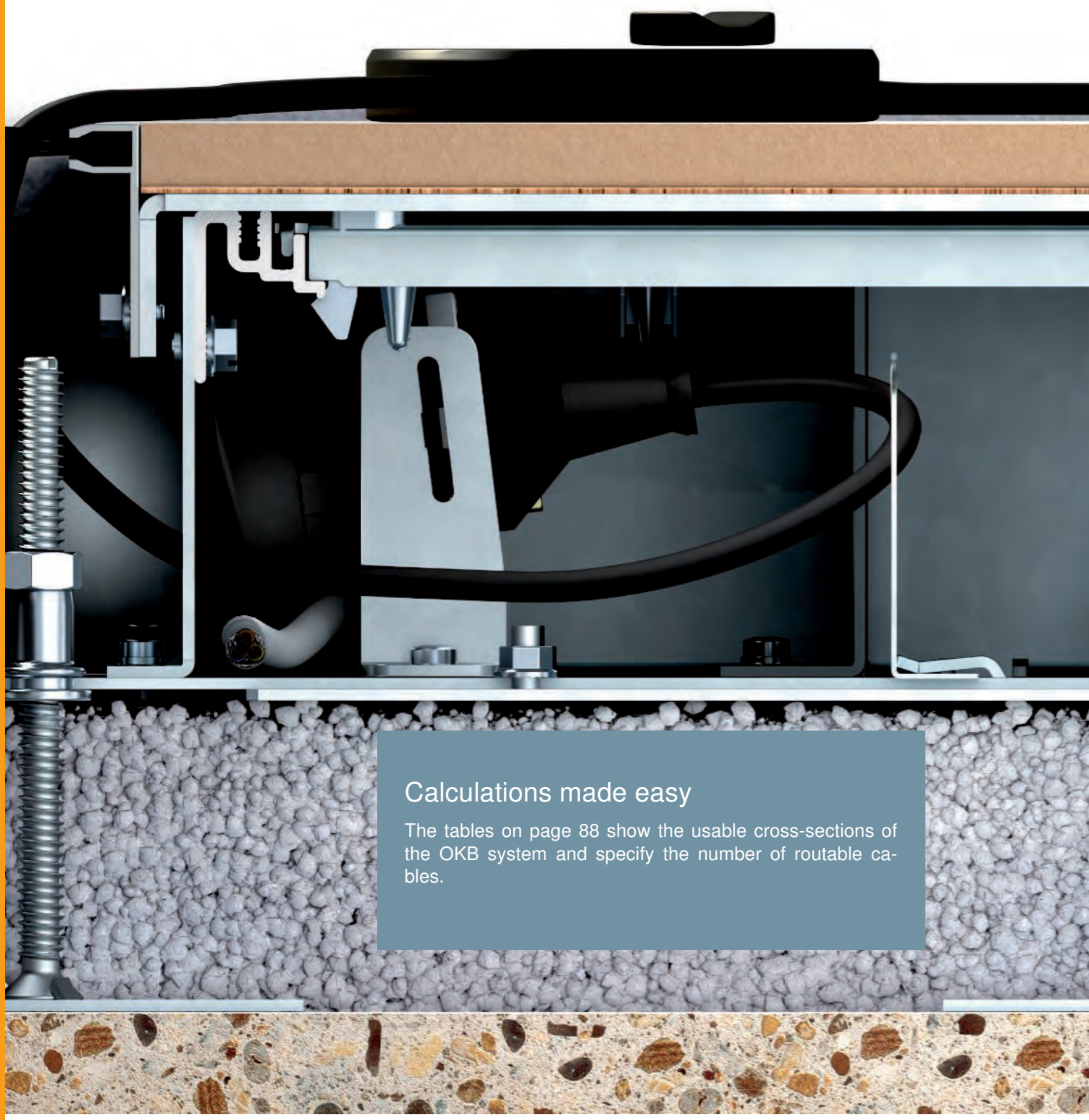




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Flexible system in the screed

The OKB system runs directly on the wall or along floor-to-ceiling windows. The system is mounted directly on the raw concrete before the screed work. Alternatively, it can be installed in a prepared opening in the screed.



Calculations made easy

The tables on page 88 show the usable cross-sections of the OKB system and specify the number of routable cables.

The right cross-section

The 250 mm-wide trunking is separated into two compartments by means of a partition. Thus, data and power cables can be routed separately. The first trunking compartment offers a usable cross-section of 4,231 mm² for cable routing. The second trunking compartment has a usable cross-section of 7,306 mm². The installation of universal supports reduces the free cross-section in the trunking.



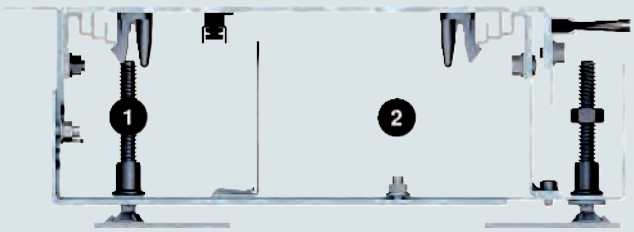
Floor structure height

The minimum floor structure height of the OKB system is 93 mm. The trunking system can be adjusted, exact to the millimetre, to the top edge of the screed using the separately available height-adjustment units.

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Usable cross-sections





Supply trunking
The supply trunking has a cross-section of 11,008 mm². The table on this page indicates how many cables fit into the trunking.

Installation trunking
The first trunking compartment offers a cross-section of 4,231 mm². The second trunking compartment has a usable cross-section of 7,306 mm². Depending on the installation position of the devices, this area can only be used in a limited manner for cable routing.

Number of cables in supply trunking

Cable diameter in mm	Cable cross-section in mm²	Number of cables
5	25	440
6	36	306
7	49	225
8	64	172
9	81	136
10	100	110
11	121	91
12	144	76
13	169	65
14	196	56
15	225	49
16	256	43
17	289	38
18	324	34

Number of cables in installation trunking

Cable diameter in mm	Cable cross-section in mm²	Number of cables in trunking compartment 1	Number of cables in trunking compartment 2
5	25	173	292
6	36	120	203
7	49	88	149
8	64	68	114
9	81	53	90
10	100	43	73
11	121	36	60
12	144	30	51
13	169	26	43
14	196	22	37
15	225	19	32
16	256	17	29
17	289	15	25
18	324	13	23

Noise prevention and impact noise

Minimum requirements
The minimum requirements for structural sound insulation are defined in DIN 4109 “Sound insulation in buildings”. General information on the topic of sound insulation and the installation of underfloor systems can be found in the general planner section of the catalogue.

Qualified tests to determine the transmission of air and footfall sound for the OKB brush bar trunking system were carried out together with the MÜLLER BBM GmbH testing institute in Planegg, Munich.

The transmission of air and footfall sound was investigated for both vertical sound transmission, i.e. from storey to storey, and horizontal sound transmission, i.e. from adjacent rooms.

The test was carried out in a floating screed construction.

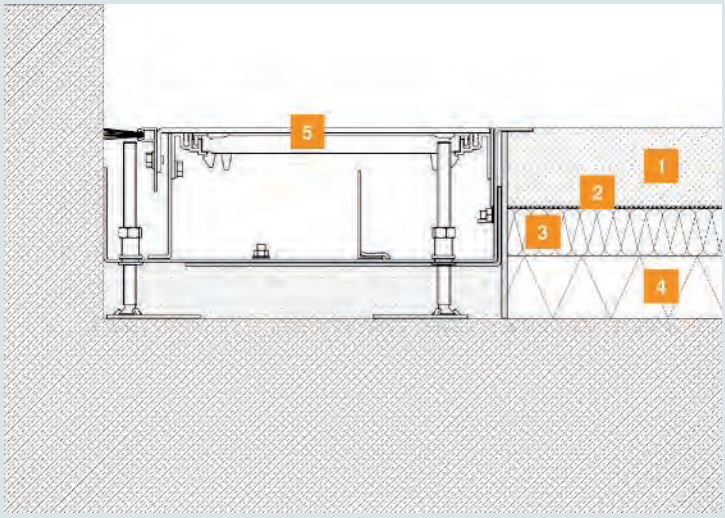
Noise evaluation
The following section evaluates the test results. With regard to the evaluated reduction of footfall sound of the screed without a floor system, the statements made below can be considered as approved.

The required noise measures, based on the available test certificates, for the use of the type OKB trunking system in offices can be summarised as follows:

Horizontal transmission of air and footfall sound
In comparison with other systems, the brush formation at the edge produces higher sound transmission. If the trunking system runs under partitions with noise protection requirements, then noise protection insulation (cf. Point 4.2) must be installed in the partition area. It is then suitable for achieving the evaluated noise insulation dimensions of partitions up to R‘w = 48 dB and evaluated standard footfall sound levels of L‘n, w ≤ 53 dB.

Vertical transmission of footfall sound
The OKB floor system (open trunking system, screed-flush) does not lead to a decrease of the required evaluated footfall sound reduction of a floating cement screed with regard to vertical transmission of footfall sound.

Data taken from Report M88034/06 of 29 July 2014.



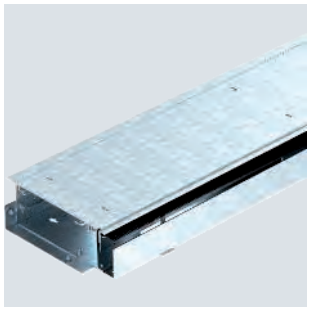
1	50 mm cement screed, CEMI 52.2 N, mass relative to area m'=15 kg/m²
2	0.2 mm PE film
3	30 mm footfall sound damping, dynamic stiffness s'= 15 MN/m³
4	40 mm heat insulation, polystyrene EPS 100/035
5	38 mm installation trunking

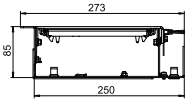
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OKB installation trunking

Trunking unit with brush bar

St FS



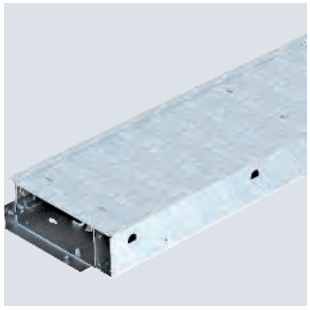


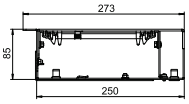
Type	Length mm	Width mm	Height mm	Minimum screed height	Min. ordering quantity m	Item no.
OKB U 25085 BLON	2000	250	93	93	2	**7403816**

Ready-to-mount trunking unit for cable routing and device installation, consisting of a trunking base with two covers and a height-adjustable brush bar. The scope of delivery contains two lid butt seals and one connector. For height adjustment, six height adjustment units are required. Load capacity up to a maximum of 5 kN. The trunking unit can be supplemented with an adjustable covering contact profile for screed limitation in areas of door soffits and in front of radiator alcoves.

Trunking unit with blanking lid

St FS



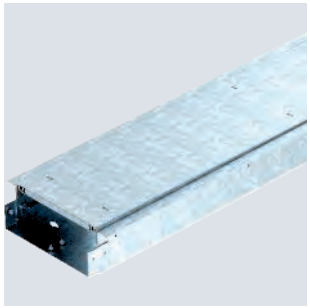


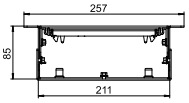
Type	Length mm	Width mm	Height mm	Minimum screed height	Min. ordering quantity m	Item no.
OKB U 25085 BD	2000	250	93	93	2	**7403818**

Ready-to-mount trunking unit for cable routing and device installation, consisting of a trunking base with two blanking covers. The scope of delivery contains two lid butt seals and one connector. For height adjustment, six height adjustment units are required. Load capacity up to a maximum of 5 kN. The trunking unit can be supplemented with an adjustable floor covering contact profile for screed limitation in areas of door frames and in front of radiator niches.

OKB supply trunking

St FS



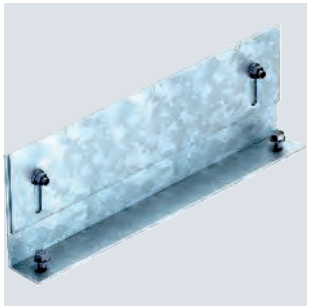


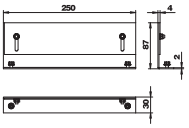
Type	Length mm	Width mm	Height mm	Minimum screed height	Min. ordering quantity m	Item no.
OKB E 25085 ON	2000	210	93	85	2	**7403811**

Ready-to-mount trunking unit for cable routing, consisting of a trunking base with two covers. The scope of delivery contains two lid butt seals and one connector. For height adjustment, six height adjustment units are required. Load capacity up to a maximum of 5 kN. The trunking unit can be supplemented with an adjustable floor covering contact profile for screed limitation in areas of door frames and in front of radiator niches.

Trunking end piece

St FS





Type	Width mm	Duct height mm	Min. ordering quantity Piece	Item no.
OKB ES 25085	250	85-125	1	**7403820**

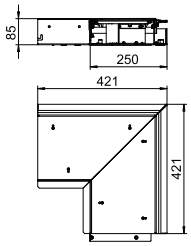
Ready-to-mount trunking end connection, consisting of a side wall and a height-adjustable side profile for universal installation on left or right.

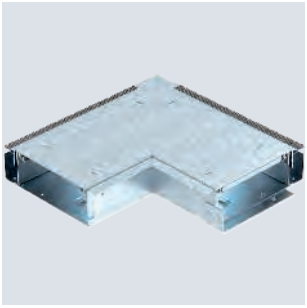
St FS

Internal corner, without height adjustment unit

Type	Width mm	Length mm	Height mm	Minimum screed height	Min. ordering quantity Piece		Item no.
OKB IE 25085 ON	250	421	93	93	1		**7403826**

Ready-to-mount internal corner, consisting of a trunking base, two lids, height-adjustable side profiles and brush bar arranged on the wall side for cable alignment. The scope of delivery contains one lid butt seal and a connector.
For height adjustment five levelling units are required.



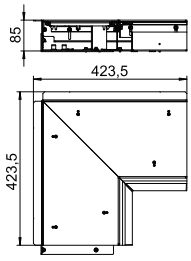


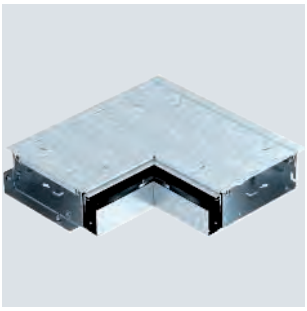
St FS

External corner, without height adjustment unit

Type	Length mm	Width mm	Height mm	Minimum screed height	Min. ordering quantity Piece		Item no.
OKB AE 25085 ON	422	250	93	93	1		**7403831**

Ready-to-mount external corner, consisting of a trunking base, two lids, height-adjustable side profiles and brush bar arranged on the wall side for cable alignment. The scope of delivery contains one lid butt seal and a connector.
For height adjustment five levelling units are required.



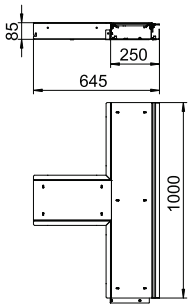


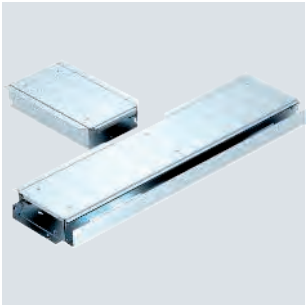
St FS

T piece, without height adjustment units

Type	Length mm	Width mm	Height mm	Minimum screed height	Min. ordering quantity Piece		Item no.
OKB TS 25085 ON	1000	250	93	93	1		**7403836**

Ready-to-mount connection of a trunking unit with a brush bar and a trunking unit for cable laying, consisting of trunking bases, two lids, height-adjustable side profiles and brush bar arranged on the wall side for cable alignment. The scope of delivery contains two lid butt seals and two connectors.
For height adjustment six levelling units are required.



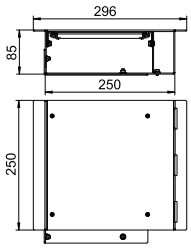


St FS

Wall penetration

Type	Length mm	Width mm	Height mm	Minimum screed height	Min. ordering quantity Piece		Item no.
OKB WD 25085	300	250	93	93	1		**7403890**

Ready-to-mount trunking unit for passing through a wall, consisting of a trunking base with a blind lid. The scope of delivery contains a lid butt seal and a connector.



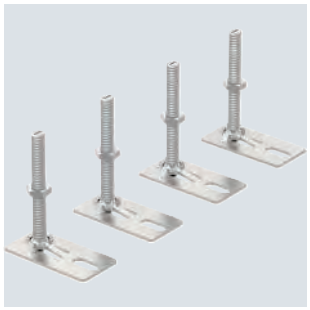


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OKB installation trunking

Height adjustment unit RKNEV2

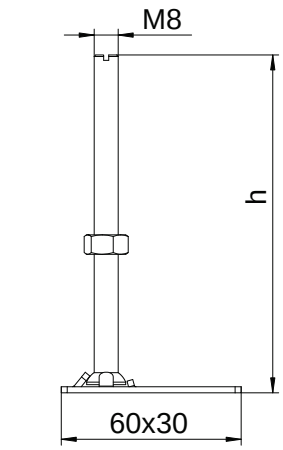
St G



Type	Dim. h mm	Height adjustment range mm	Min. ordering quantity PU		Item no.
RK NEV2 70	70	100-150	1		**7405814**
RK NEV2 110	110	140-190	1		**7405815**
RK NEV2 150	150	180-230	1		**7405816**
RK NEV2 190	190	220-270	1		**7405817**
RK NEV2 230	230	260-310	1		**7405818**
RK NEV2 270	270	300-355	1		**7405819**

For flushfloor height adjustment of the height adjustable cassette units and the OKB screed-flush trunking system. The VPE consists of 4 height adjustment units.

Dimensions



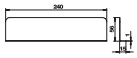
Dimension "h" mm	RKN2, 20 mm mm	RKN2, 25 mm mm	RK(S+F)N2, 20 mm mm	RK(S+F)N2, 25 mm mm	RKR2, 20/25 mm mm	RK(S+F)R2, 20/25 mm mm	OKB mm
70	100 - 150	105 - 155	105 - 150	110 - 155	105 - 155	110 - 155	93 - 133
110	140 - 190	145 - 195	145 - 190	150 - 195	145 - 195	150 - 195	133 - 173
150	180 - 230	185 - 235	185 - 230	190 - 235	185 - 235	190 - 235	173 - 213
190	220 - 270	225 - 275	225 - 270	230 - 275	225 - 275	230 - 275	213 - 253
230	260 - 310	265 - 315	265 - 310	270 - 315	265 - 315	270 - 315	253 - 293
270	300 - 350	305 - 355	305 - 350	310 - 355	305 - 355	310 - 355	293 - 333

Accessories for OKB

Separating retainer OKB

St FS



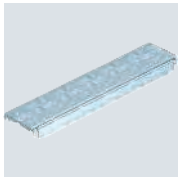


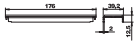
Type	Length mm	Width mm	Height mm	Min. ordering quantity Piece		Item no.
OKB TW 85240	240	15	56	5		**7403841**
OKB TW 852000	2000	15	56	1		**7403843**

Separating retainer for use in the trunking base.

Lid butt seal

St FS





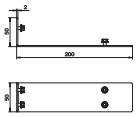
Type	Min. ordering quantity Piece		Item no.
OKB DSD 250	1		**7403845**

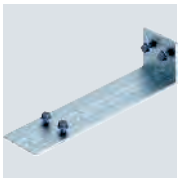
For underlaying the joints.

St FS

Connector for trunking unit with brush bar

Type	Min. ordering quantity Piece	Item no.
OKB V 250	1	7403855



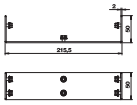


Connection element for trunking units and fittings.

St FS

Connector for supply trunking

Type	Min. ordering quantity Piece	Item no.
OKB V 210	1	7403860



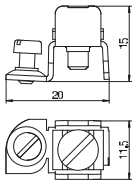


Connection element for trunking units and fittings.

St G

Protective conductor connection bracket

Type	Min. ordering quantity Piece	Item no.
8AWR	10	6288704





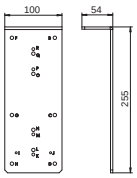
Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor duct systems in the protective measure.
Clamping area: 2 x 1.5–4 mm²

If there is a fault, metallic parts will carry voltage. Tighten the contact screw with at least 1.2 Nm or ensure the contact with mechanical work.

St FS

Drilling template for trunking with brush bar

Type	Min. ordering quantity Piece	Item no.
OKB BS BL	1	7403883



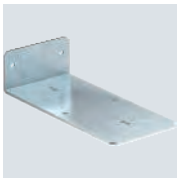


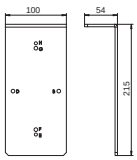
Drilling template for the construction-side creation of perforation holes. With the template the following holes can be marked.
- Connector perforation for joint connectors
- Fastening holes for end pieces
- Mounting holes for support elements
- Fastening holes for locking elements in the cover

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Drilling template for supply trunking

St FS





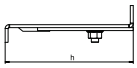
Type	Min. ordering quantity Piece	Item no.
OKB BS E	1	7403881

Drilling template for the construction-side creation of all the necessary holes for the mounting of a trunking unit, cut to length, without a brush bar.

Profile for screed limitation

St FS





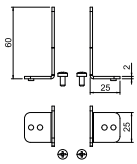
Type	Length mm	Width mm	Height mm	Min. ordering quantity Piece	Item no.
OKB EP 1000	1000	25	87	1	7403895

Extension profile for screed limitation in areas of door frames and in front of radiator niches.

Device support

St FS





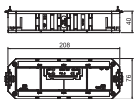
Type	Min. ordering quantity Piece	Item no.
OKB IT	1	7403850

System fastening for universal supports in the trunking base.

UT4 universal support, with cover plate for Modul 45® devices, system length 208 mm

PA





Type	Length mm	Width mm	Height mm	Number of installable devices	Min. ordering quantity Piece	Item no.
UT4 45 4	208	76	40	4	1	7408727

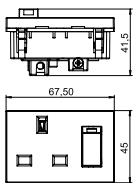
Universal support with two strain reliefs, mounting bridges, partition and UT4 P4 cover plate for installation of 4 Modul 45 devices in device installation units of nominal sizes R7, R9 and 9.

Universal support with two strain reliefs, partition and UT 4 P4 cover plate for installation of 4 Modul 45 devices in OKB IT device supports.

0° socket with switch, British Standard, single

PC





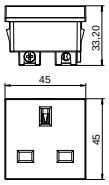
Type	Colour	Min. ordering quantity Piece	Item no.
STD-BS0G RW1.5	Pure white	1	6120724

Socket, single 0°, with switch, British Standard, conforms to BS 1363, with increased touch protection, with screw terminals, 2-pin, 13 A, 250 V~.

PC

0° socket, British Standard, single

Type	Colour	Min. ordering quantity Piece	Item no.
STD-BS0 RW1	Pure white	1	**6120722**



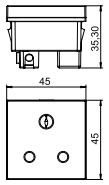


Socket, single 0°, British Standard, conforms to BS 1363, with increased touch protection, with screw terminals, 2-pin, 13 A, 250 V~.

PC

0° socket, India, 5 A, single

Type	Colour	Min. ordering quantity Piece	Item no.
STD-IN0 RW1	Pure white	1	**6120726**

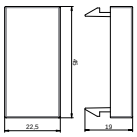




Socket, single 0°, India, conforming to BS 546, with increased touch protection, with screw terminals, 2-pin, 5 A, 250 V~.

Blanking cover, 1/2 module

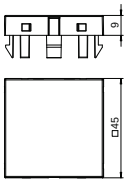
Type	Colour	Min. ordering quantity Piece	Item no.
ADP-B RW0.5	Pure white	10	**6117414**



Blanking cover for closing off empty spaces for a half device (1/2 module).

Blanking cover, 1 module

Type	Colour	Min. ordering quantity Piece	Item no.
ADP-B RW1	Pure white	10	**6117406**



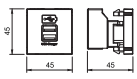


Blanking cover for closing off empty spaces for a device (one module).

PC

USB charging device

Type	Colour	Min. ordering quantity Piece	Item no.
MTG-2UC2.1 RW1	Pure white	1	**6105300**





USB charging device with two USB type A sockets, for charging 1–2 mobile devices, maximum charging current 1x 2,100 mA or 2x 1,050 mA.

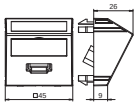


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HDMI connection, 1 module, slanting outlet, as screw connection

PC





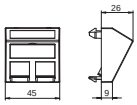
Type	Colour	Min. ordering quantity Piece	Item no.
MTS-HD S RW1	Pure white	1	**6104814**

Multimedia support with one HDMI connection socket, slanting cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Data technology support, 1 module, slanting outlet, type C

PC





Type	Colour	Min. ordering quantity Piece	Item no.
DTS-2C RW1	Pure white	1	**6119250**

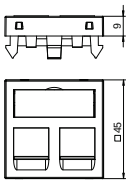
The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

Data technology support, 1 module, straight outlet, type C

PC





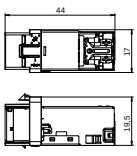
Type	Colour	Min. ordering quantity Piece	Item no.
DTG-2C RW1	Pure white	1	**6119214**

The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

Connection module Cat. 6A, shielded, Keystone



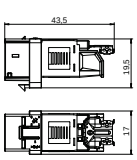


Type	Min. ordering quantity Piece	Item no.
ASM-C6A G	1	**6117346**

Connection module Cat. 6A (ISO) shielded, with an RJ45 slot. Including an EMC screen hood, a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

Connection module Cat. 6A, unshielded, Keystone

Type	Min. ordering quantity Piece		Item no.
ASM-C6A	1		**6117348**





Connection module Cat. 6A (ISO) unshielded, with an RJ45 slot. Including a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.



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GES service outlets





Various colours, shapes and sizes

The GES service outlets are available in round and rectangular versions. Plastic or metal are used as materials.
The plastic version is the tried-and-trusted solution for office installations. It is available in three colour variants. The metallic stainless steel or aluminium versions look refined and can carry an even greater load.
Other solutions are available for areas with increased floor load requirements.







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That's what we call variety

Polyamide, stainless steel or aluminium – the selection is broad, not only for the material of the GES service outlets. The system offers solutions for dry and wet-cleaned floor coverings, such as carpet, PVC or linoleum, as well as parquet, laminate, tiles and stone floors. With the colour range of iron grey, graphite black, grey-beige and stainless steel, the service outlets can be inserted discreetly in any floor covering.



Nominal size 4 with locking slider
External dimension 222 x 222 mm
2-compartment



Nominal size 4 with handle clamp
External dimension 222 x 222 mm
2-compartment



Nominal size 4, stainless steel, with handle clamp
External dimension 222 x 222 mm
2-compartment



Nominal size 6 with locking slider
External dimension 274 x 221 mm
3-compartment



Nominal size 6 with handle clamp
External dimension 274 x 221 mm
3-compartment



Nominal size 6, stainless steel, with handle clamp
External dimension 274 x 220.5 mm
3-compartment



Nominal size 9 with locking slider
External dimension 264 x 264 mm
3-compartment



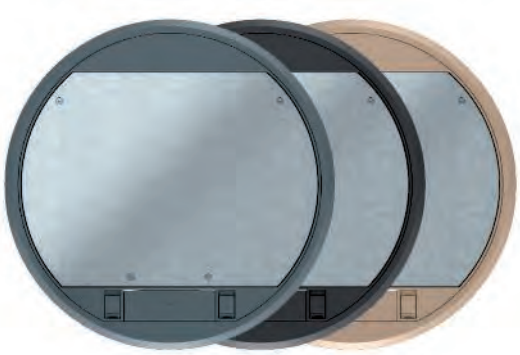
Nominal size 9 with handle clamp
External dimension 264 x 264 mm
3-compartment



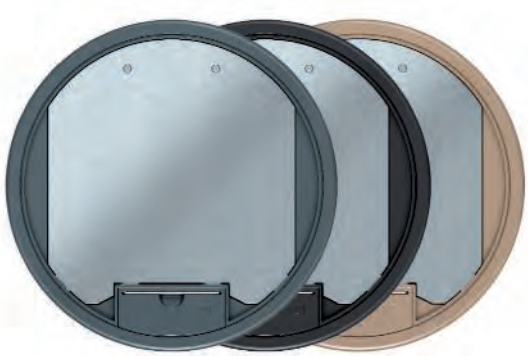
Nominal size 9, stainless steel, with handle clamp
External dimension 265 x 265 mm
3-compartment



Nominal size R4 with handle clamp
External dimension Ø 234 mm
2-compartment



Nominal size R9 with locking slider
External dimension Ø 324 mm
3-compartment



Nominal size R9 with handle clamp
External dimension Ø 324 mm
3-compartment



Nominal size R9, aluminium, with handle clamp
External dimension Ø 323 mm
3-compartment



Nominal size R9, aluminium
External dimension Ø 325 mm
3-compartment



Nominal size R9, aluminium
External dimension Ø 325 mm
3-compartment

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Rectangular polyamide service outlets

Trusted quality
The trusted rectangular GES plastic service outlets have been installed millions of times around the world. OBO has continuously developed them and adapted them to changing requirements. Today, they possess countless intelligent details, such as cable routing clips, carpet protection frames, reliable edge protection and a locking lid closure system with automatic lid opening.



Simple to open

Tried-and-trusted opening mechanism: A handle clamp is integrated in the cord outlet, with which the lid can be opened. Alternatively, service outlets with locking sliders are available.

Options to equip

The outlet can be mounted in a minimum installation depth of 80 mm in trunking systems, as well as in raised and cavity floors. The outlets of nominal size 4 are 2-compartment. The outlets of nominal size 6 and 9 are 3-compartment.



Floor covering depth

The floor covering recess in the cover can be increased from 5 mm to 10 mm by using the supplied spacer frame.

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Rectangular metal service outlets

Attractive design in stainless steel
The rectangular service outlets with carpet protection frame and hinged covers made of brushed stainless steel stand out through their high-quality design. The installation frame and the solid, 3 mm-thick pressure plate in the lid are made from zinc-plated sheet steel. They provide the necessary stability: Heavy loads are also not a problem.



Swivellable cord outlet

The model has a swivelling stainless steel cord outlet which protects the cable exit in dry and moist-cleaned floors.

Range of variants and installation heights

The outlet can be mounted in a minimum installation depth of 80 mm in trunking systems, as well as in raised and cavity floors. The outlets of nominal size 4 are 2-compartment. The outlets of nominal size 6 and 9 are 3-compartment.



Lowerable mounting box

The service outlet for the installation of power, data and multimedia equipment can be lowered by a maximum of 25 mm in the locking ladder.

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Round polyamide service outlets



Lid with locking slider

Slight shifting of the active cover lock is sufficient to make the cover open. It also engages again with slight pressure and stays shut. Alternatively, the classic version with a handle clamp is available.

Options to equip

The outlet can be mounted in a minimum installation depth of 80 mm in trunking systems, as well as in raised and cavity floors. The outlets of nominal size 4 are 2-compartment. The outlets of nominal size 6 and 9 are 3-compartment.



Floor covering depth

The recess for the floor covering in the cover of the outlets can be adjusted in stages to a floor covering depth of between 3 and 12 mm.

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GRAF9

The solution for wet-cleaned floors: The GRAF9 service outlet is ideally suited for wet-cleaned floors. The GRAF9 is made completely of metal and offers a high load capacity. A variant is available with a ring-shaped structure in the lid surface, along with a variant with a 4 mm floor covering recess in the hinged cover.



High-quality materials

The floor covering protection frame and the hinged cover of the GRAF9 service outlet are made of die-cast aluminium. Its tube body is made from robust die-cast zinc.

Wet care

The GRAF9 service outlet possesses seals in the cover and in the tube body. If the service outlet is opened for cable installation, the 10 mm-high tube body ring protects the electrical installation against the ingress of water. The GRAF9 service outlet with tube body thus fulfils the IP requirements for installation in wet-cleaned floors.



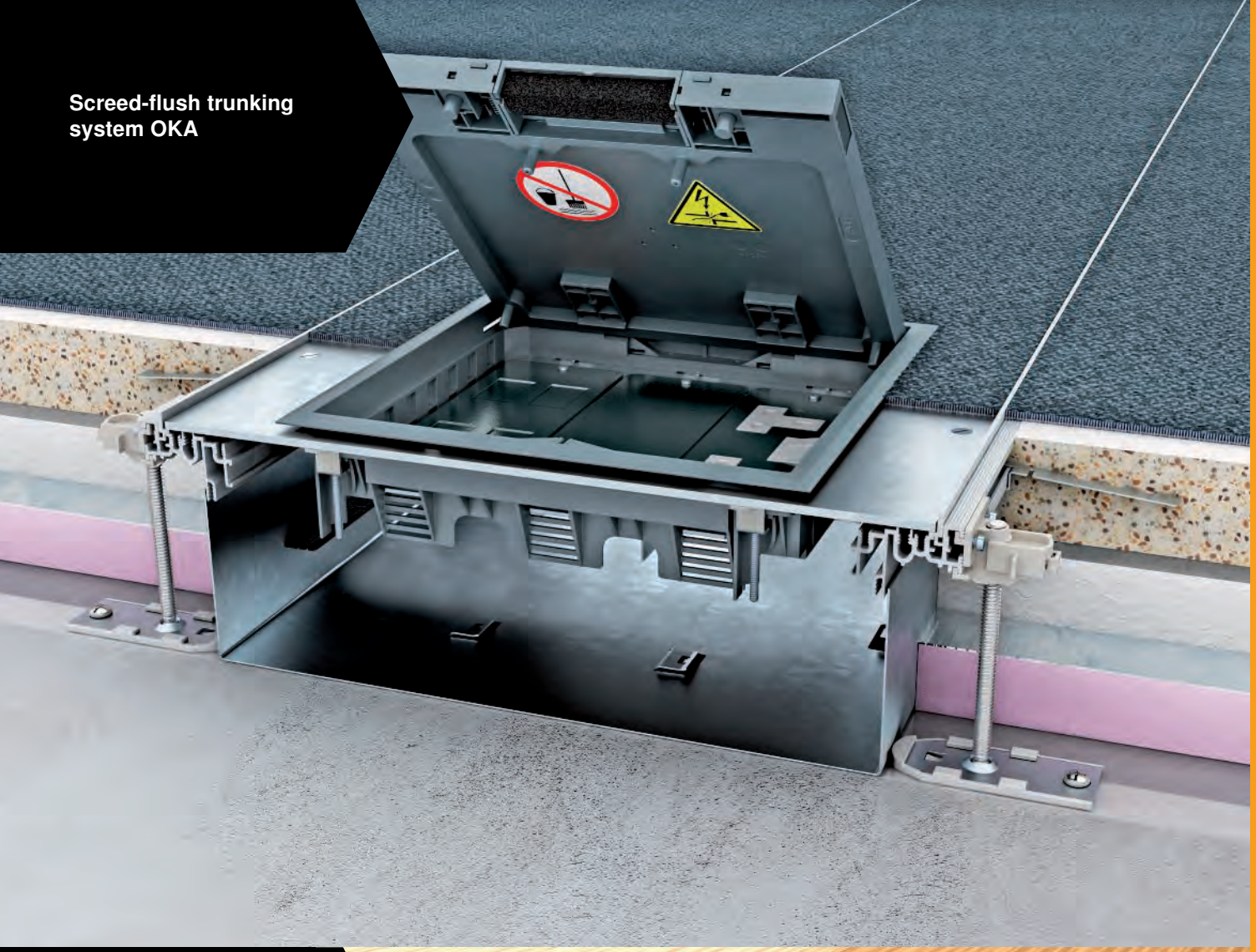
Loads

The service outlet can withstand extreme loads. When installed in a screed box with heavy-duty extension, installation in floor areas with increased load requirements is possible.
For more information, refer to the section on heavy-duty systems.

Practical tube body

The tube body is the cable outlet for wet-cleaned floors. With just a few actions, this can be opened for cable routing and can just as easily be lowered into the cover of the GRAF9 to be flush with the floor.

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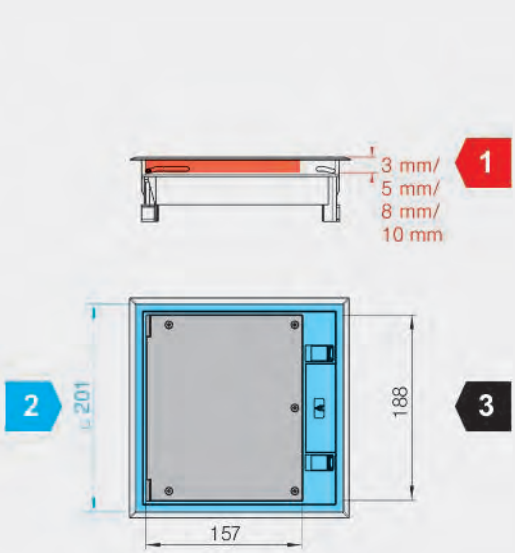
Screed-flush trunking system OKA

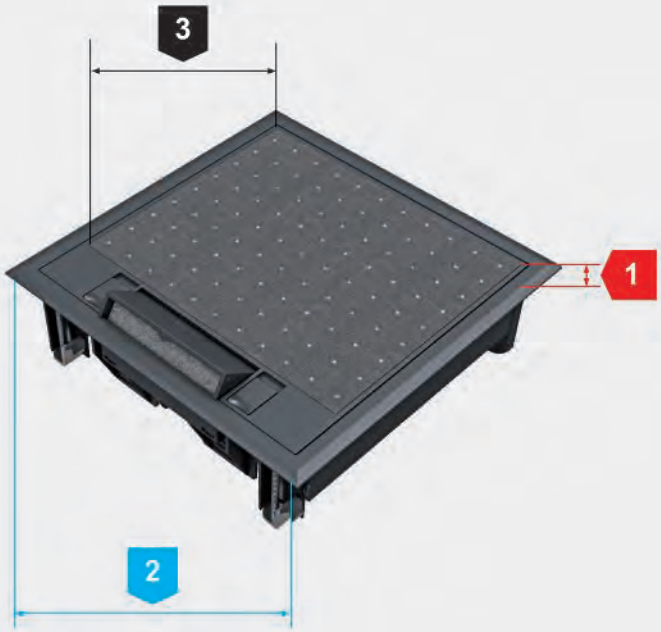


Raised and cavity floors

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Installation and floor cut-out dimensions





Various installation and floor cut-out dimensions must be taken into account for the mounting of service outlets and the application of floor coverings in the device 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. If, in the figure, several heights are specified, then the frame height can be changed during construction: By adding or removing spaces, it is possible to adjust the desired frame height to the floor covering. In the as-delivered state, the frame height is usually 5 mm.

2

Floor cut-out for the installation of service outlets (blue dimensions)

The dimensions for the floor cut-out should be considered as target dimensions for correct installation of the service outlet in the floor. They are only generally required for the floor cut-out in system floors. When mounting service outlets in the EÜK screed-covered duct system or in the OKA open trunking system, they need not be taken into account, as these systems offer prefabricated mounting lids with matching installation openings.

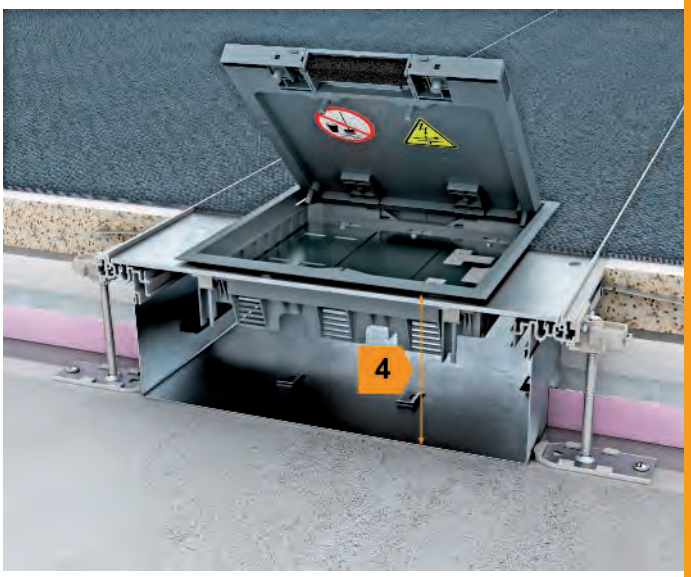


3

Internal dimension of the lid to determine the floor covering cut-out (black dimensions)
The dimension data relates to the internal dimension of the cover 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.

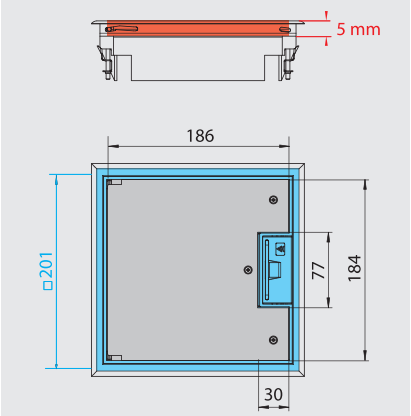


Minimum installation heights

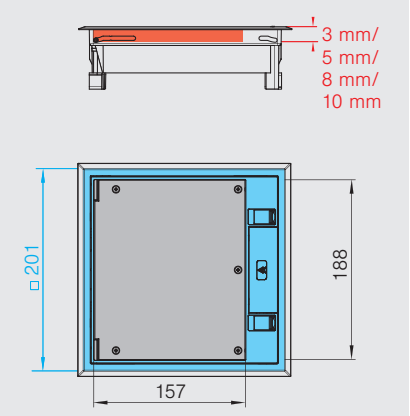
Minimum installation heights		
Service outlet type	Frame height in the lid	Minimum floor structure height
GES2, GES4, GESR4, GESR9SR	5 mm	73 mm
GES4-2, GES6-2, GES9-3B, GES9-3S	5 mm	73 mm
GES4-2, GES6-2, GES9-3B, GES9-3S	10 mm	78 mm
GES6, GESR9	5 mm	73 mm
GESR7, GESRA7, GESRA9, GESR9/10	5 or 10 mm	78 mm
GES4M-2, GES6M-2, GES9M-2	5 or 10 mm	78 mm
GESR9-2	5 or 10 mm	76 mm
GRAF9	-	80 mm

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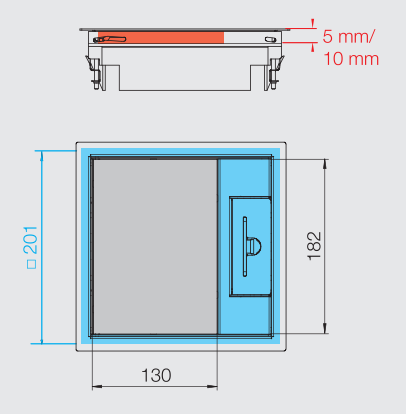
System measurements service outlets, rectangular



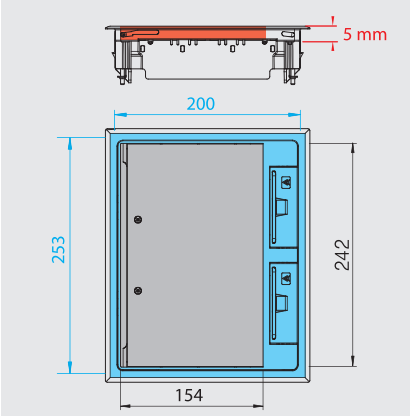
Nominal size 4, type GES4



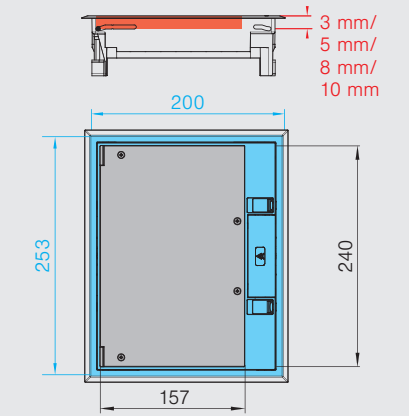
Nominal size 4, type GES4-2



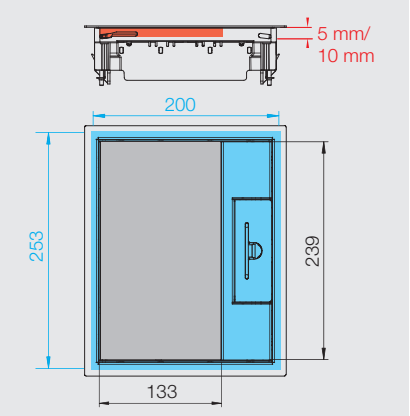
Nominal size 4, type GES4M-2



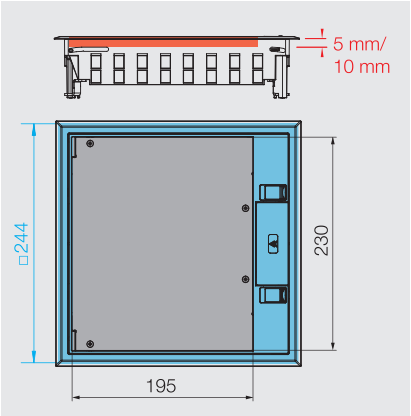
Nominal size 6, type GES6



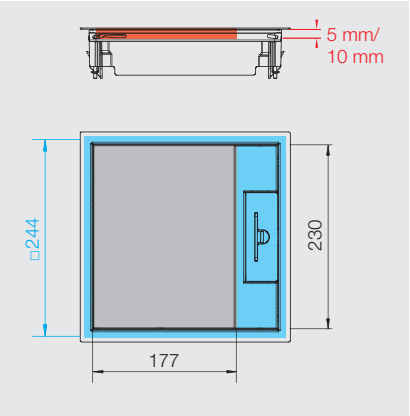
Nominal size 6, type GES6-2



Nominal size 6, type GES6M-2

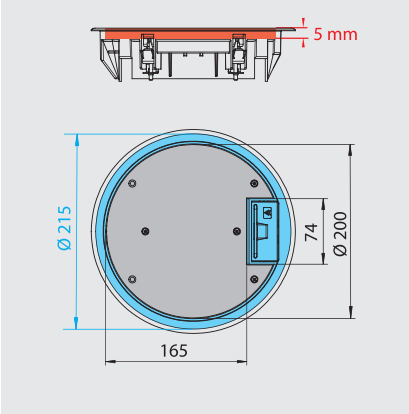


Nominal size 9, type GES9-3S and GES9-3B

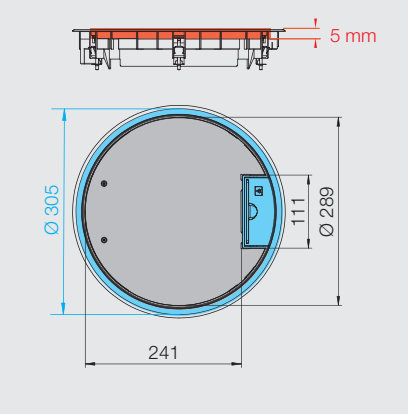


Nominal size 9, type GES9M-2

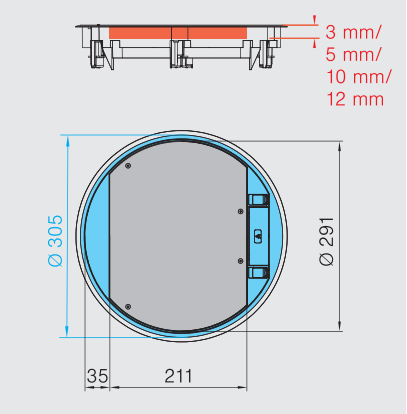
System measurements service outlets, round



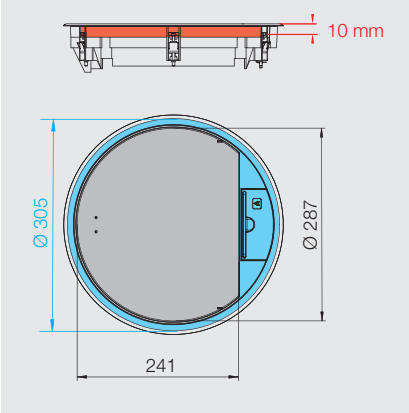
Nominal size R4, type GESR4



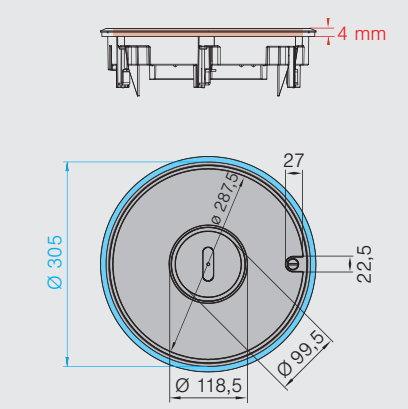
Nominal size R9, type GESR9



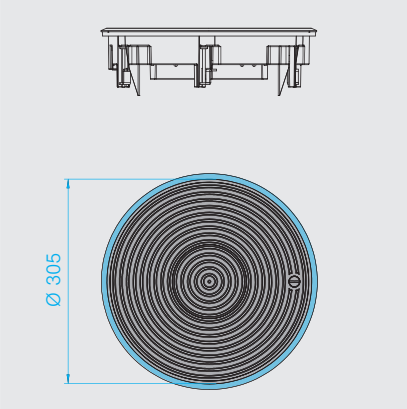
Nominal size R9, type GESR9-2



Nominal size R9, type GESRA9



Nominal size R9, type GRAF9-2 BA



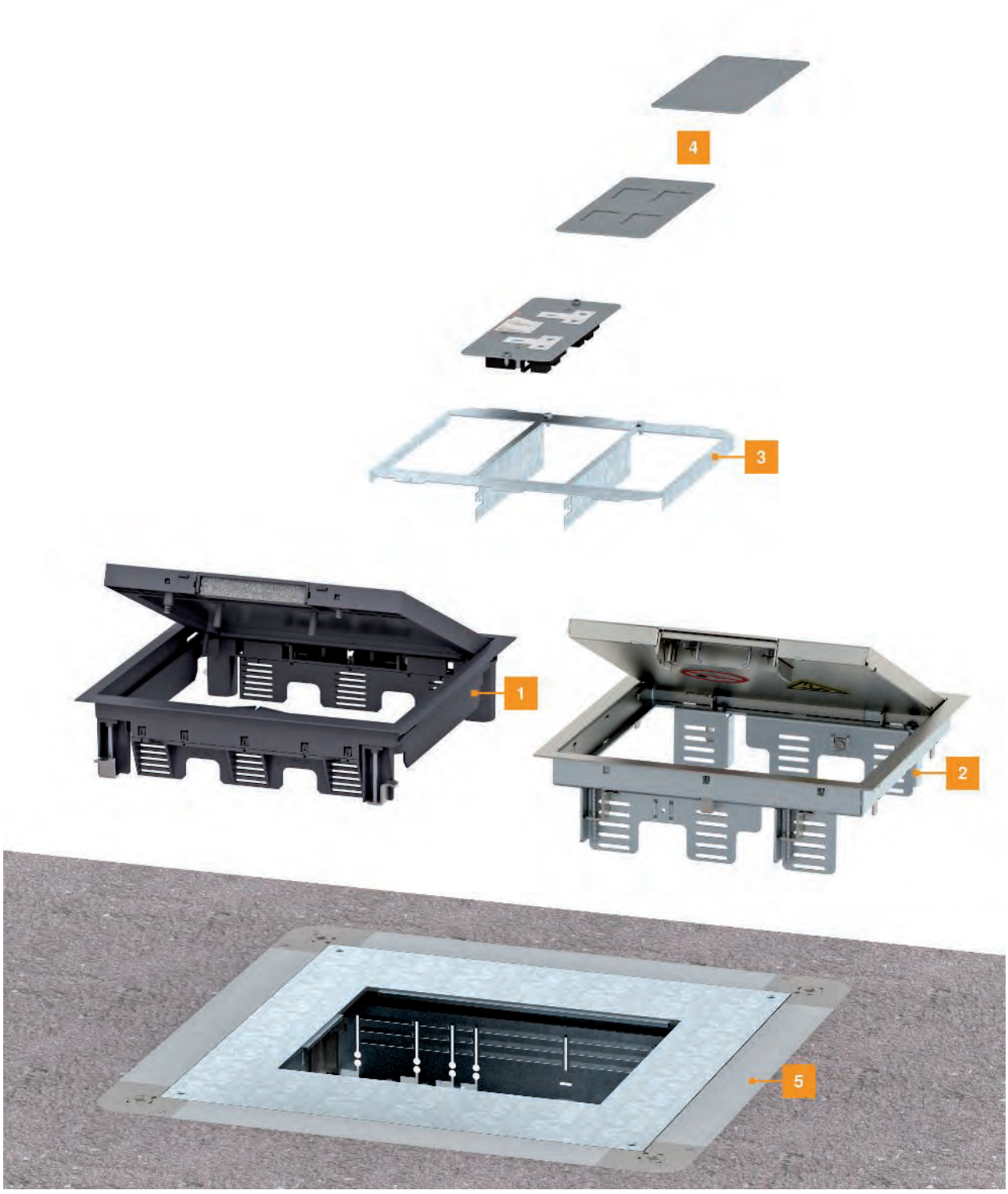
Nominal size R9, type GRAF9-2

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Rectangular service outlet

System components

1	Service outlet, rectangular
2	Service outlet, metal, rectangular
3	Mounting support
4	Cover plate
5	Underfloor junction and branch box

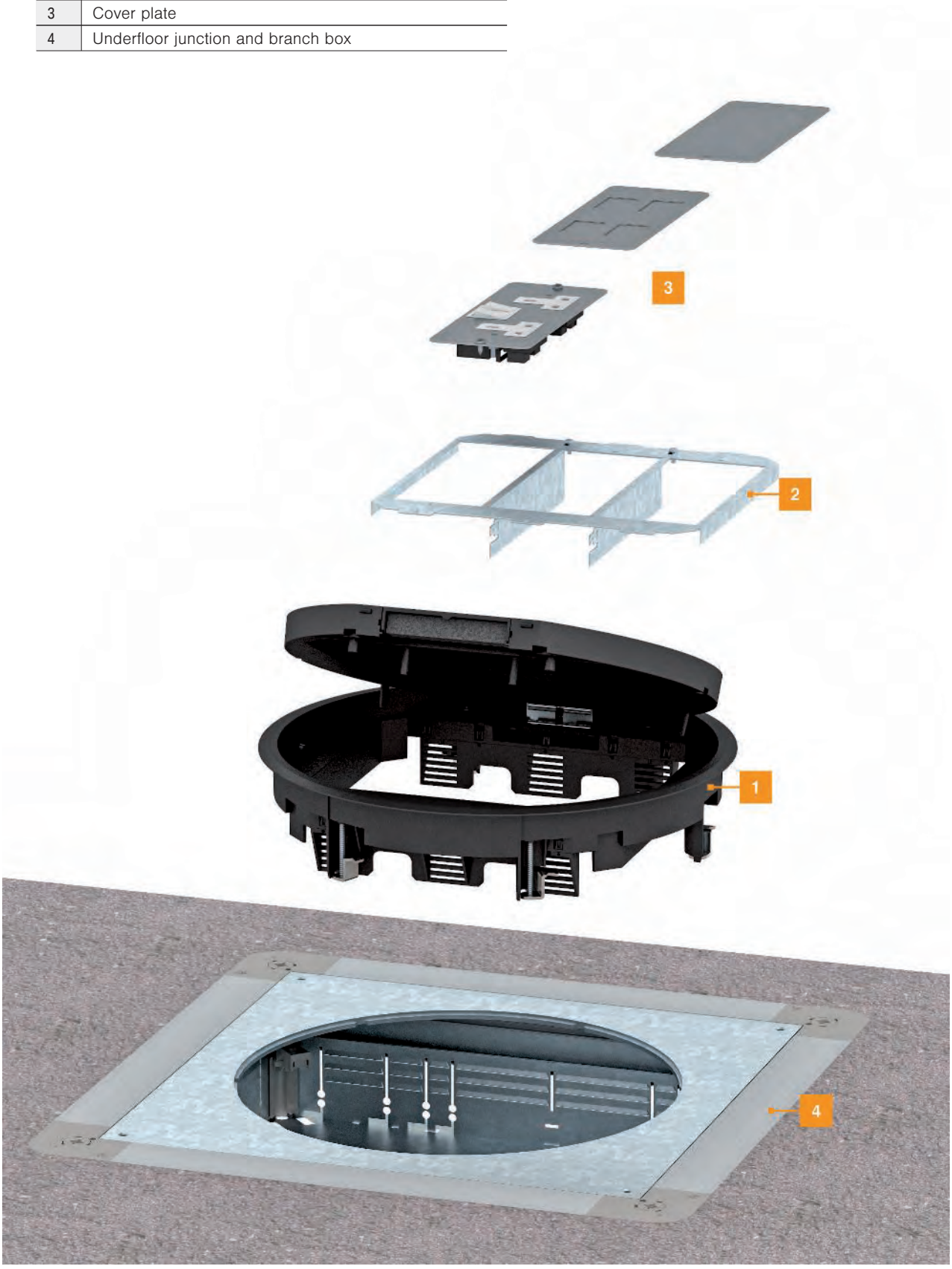


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Installation principle, round service outlet

System components

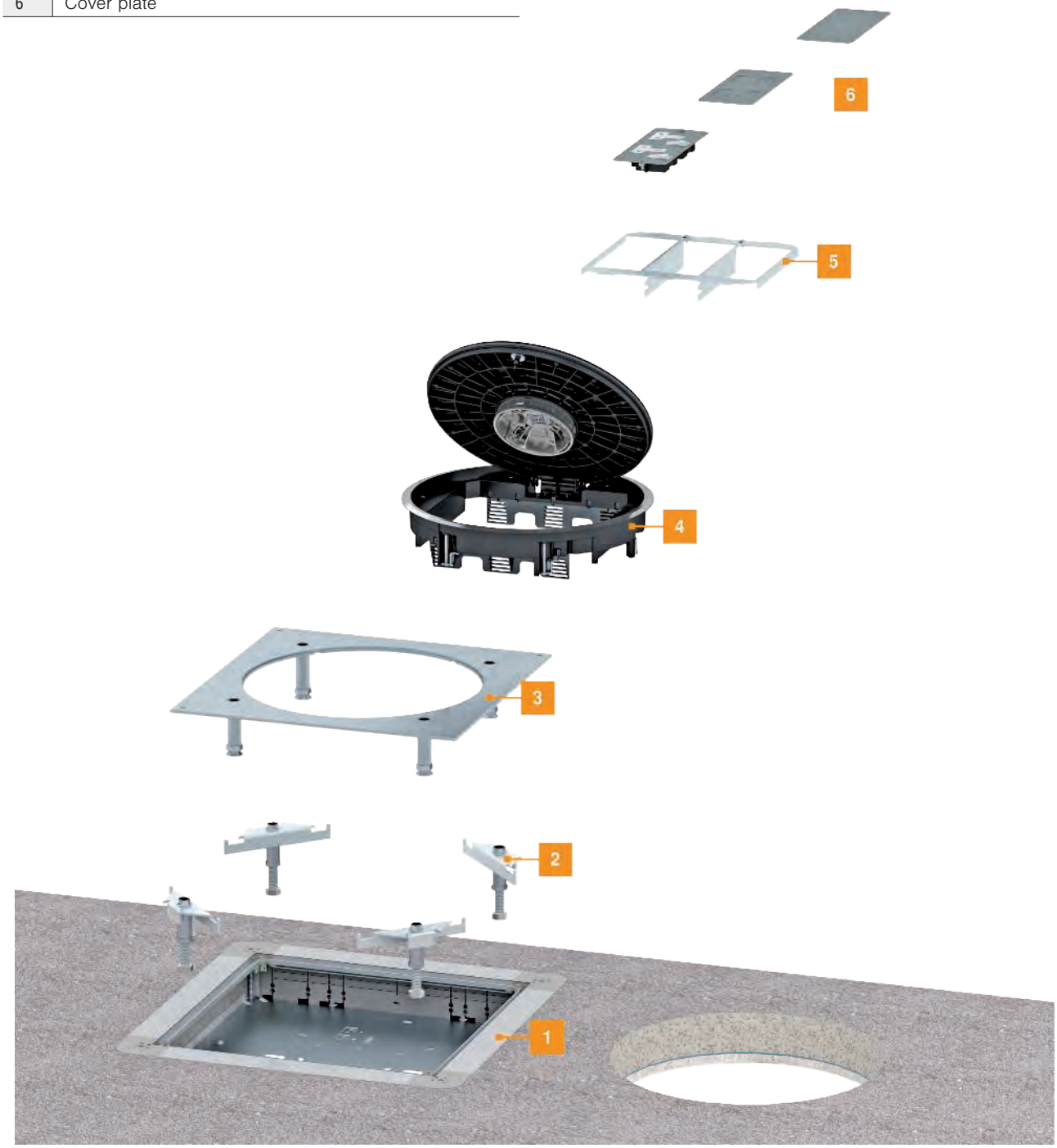
1	Service outlet
2	Mounting support
3	Cover plate
4	Underfloor junction and branch box



Installation principle, wet-cleaned service outlet

System components

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



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Standard data

To DIN EN 50085-1 and DIN EN 50085-2-2

Class		Service outlets type GES	GRAF9 service outlet
6.2	According to impact resistance for installation and application		
6.2.4	Electrical installation duct systems for impact energy 5 J	5 J	5 J
6.3	According to temperatures, as specified in Tables 1, 2 and 3		
Table 1	Minimum storage and transport temperature ± 2 °C	–15 °C	–15 °C
Table 2	Minimum installation and application temperatures ± 2 °C	+5 °C	+5 °C
Table 3	Application temperatures ± 2 °C	+60 °C	+60 °C
6.4	According to the resistance against fire spread		
6.4.1	Electrical installation duct systems which permit the spread of fire	x	x
6.5	According to the electrical conductivity		
6.5.1	Electrical installation duct systems with electrical conductivity	x[1]	x
6.5.2	Electrical installation duct systems without electrical conductivity	x[2]	
6.6	According to the electrical insulation property		
6.6.1	Electrical installation duct systems with electrical insulation capability	x[2]	
6.6.2	Electrical installation duct systems without electrical insulation capability	x[1]	x
6.7	According to the protection ratings offered by the housing or casing to EN 60529:1991		
6.7.1	According to protection against ingress of solid foreign bodies	x	x
6.7.3	According to protection against contact with dangerous parts	x	x
6.101	Depending on the type of floor care		
6.101.1	Electrical installation duct systems for dry floor cleaning	x	
6.101.2	Electrical installation duct systems for wet floor cleaning when the service outlet is not in use		x
6.101.3	Electrical installation duct systems for wet floor cleaning when the service outlet is in use		x
6.102	According to resistance to vertical loads affecting a small surface area		
6.102.5	Electrical installation duct systems for 2,000 N	x[2]	
6.102.7	Electrical installation duct systems for 3,000 N	x[1]	x
6.103	According to resistance to vertical loads affecting a large surface area		
6.103.2	Electrical installation duct systems for 3,000 N	x[2]	
6.103.3	Electrical installation duct systems for 5,000 N	x[1]	
6.103.4	Electrical installation duct systems for 10,000 N		x

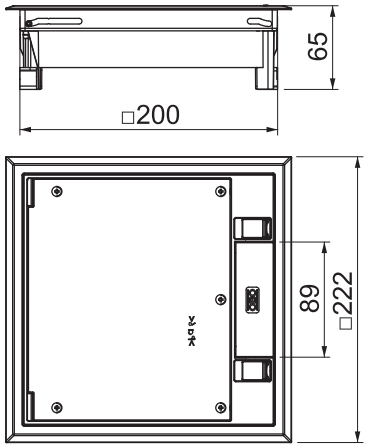
[1]Applies to metallic GES, [2] applies to polyamide GES



PA

GES4 service outlet with locking slider

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GES4-2U10T 7011	Iron grey	10	1	**7405145**
GES4-2U10T 9011	Graphite black	10	1	**7405146**



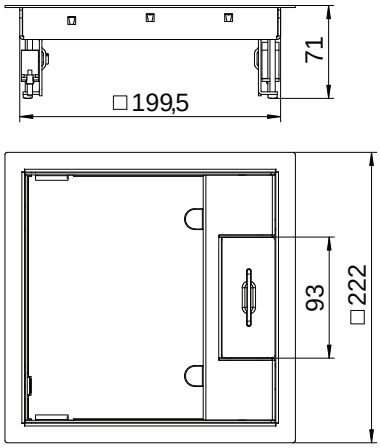


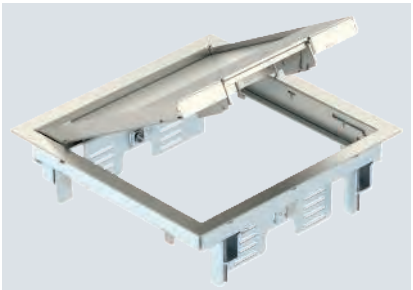
Service outlet with locking slider, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 3, 8 or 10 mm.

A2

GES4M-2 service outlet with handle clamp

Type	Material	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GES4M-2 10U	A2	10	1	**7405191**



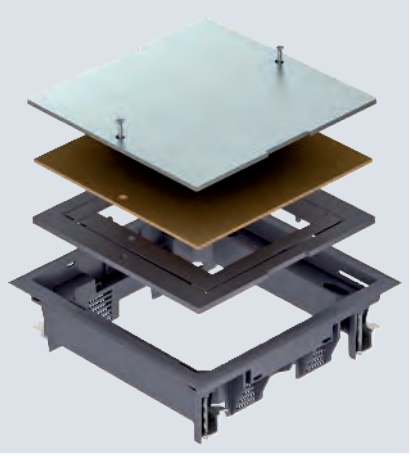


Service outlet with handle clamp, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.

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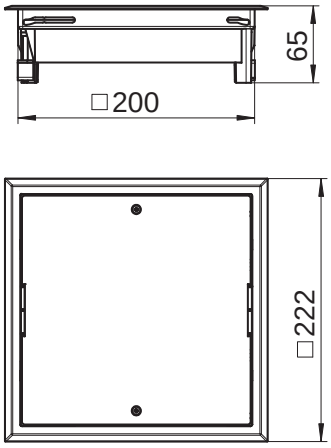
ZES4 inspection cover

PA



Junction box insert for blanking locking of a square mounting opening of nominal size 4 in duct or trunking systems and system floors for indoor use.
Floor covering recess is set to 5 mm on delivery, if necessary adjustable to 3, 8 or 10 mm.

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
ZES4-2 U10T 7011	Iron grey	10	1	**7406701**
ZES4-2 U10T 9011	Graphite black	10	1	**7406702**



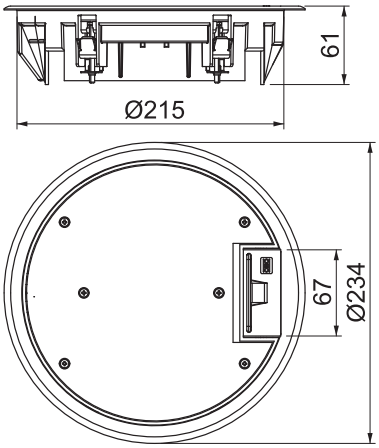
GESR4 service outlet with handle clamp

PA



Service outlet with handle clamp, 2-compartment, for the installation of MT4 mounting support. Two type APMT2 cover plates can be installed.

Type	Colour	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
GESR4 U 7011	Iron grey	5	1	**7405436**
GESR4 U 9011	Graphite black	5	1	**7405440**



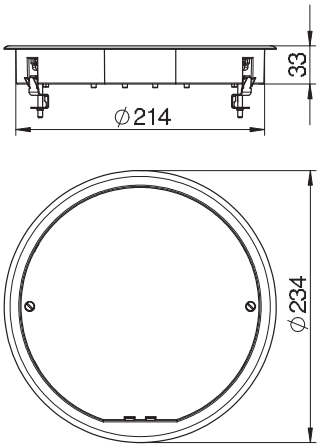
Always indicate the item number when ordering.

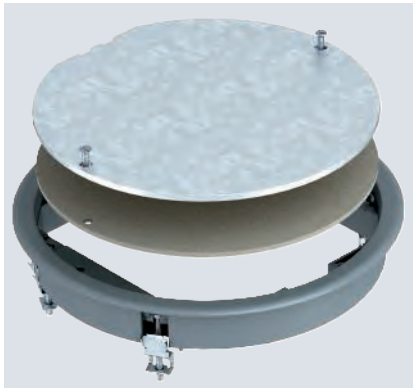
GES service outlets for dry-cleaned floors, nominal size 4

PA

ZESR4 inspection cover

Type	Colour	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
ZESR4 U 7011	Iron grey	5	1	7406772
ZESR4 U 9011	Graphite black	5	1	7406776





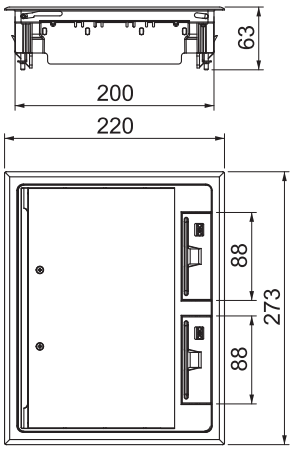
Draw box insert for blanking locking of a square round mounting opening of nominal size R4 in trunking systems and system floors for indoor use.

GES service outlets for dry-cleaned floors, nominal size 6

PA

GES6 service outlet with handle clamp

Type	Colour	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
GES6 U 7011	Iron grey	5	1	7405308
GES6 U 9011	Graphite black	5	1	7405312





Service outlet with handle clamp, 3-compartment, for the installation of MT6 mounting support. Three type APMT2 cover plates can be installed.

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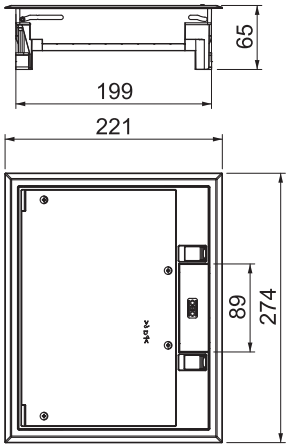
GES6 service outlet with locking slider

PA



Service outlet with locking slider, 3-compartment, for the installation of MT6 mounting support. Three type APMT2 cover plates can be installed. Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 3, 8 or 10 mm.

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GES6-2U10T 7011	Iron grey	10	1	**7405321**
GES6-2U10T 9011	Graphite black	10	1	**7405322**



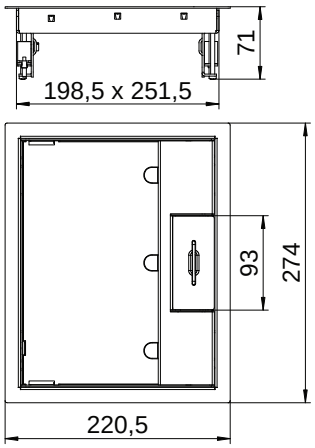
GES6M-2 service outlet with handle clamp

A2



Service outlet with handle clamp, 3-compartment, for the installation of MT6 mounting support. Three type APMT2 cover plates can be installed.

Type	Material	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GES6M-2 10U	A2	10	1	**7405299**

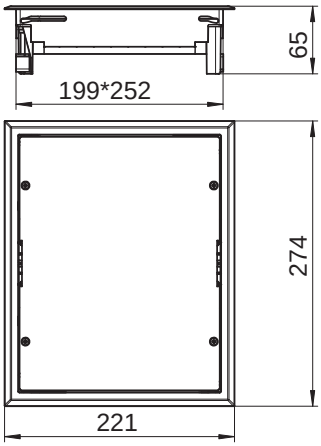


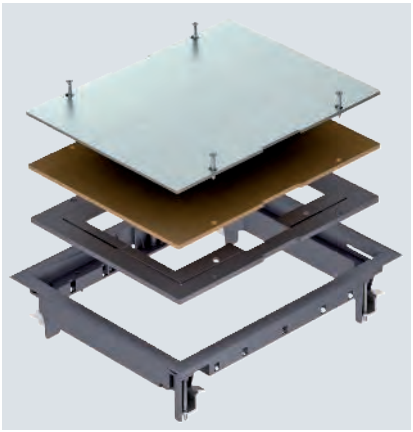
Always indicate the item number when ordering.

PA

ZES6 inspection cover

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece		Item no.
ZES6-2 U10T 7011	Iron grey	10	1		**7406749**
ZES6-2 U10T 9011	Graphite black	10	1		**7406750**





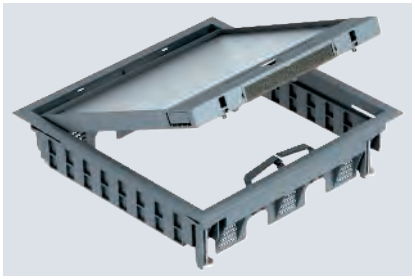
Junction box insert for blank closing of a rectangular mounting opening of nominal size 6 in an underfloor duct or trunking system or in raised floor for indoor use. Polyamide floor covering profile.
Recess is 5 mm, if necessary, adjustable to 3, 8 or 10 mm.



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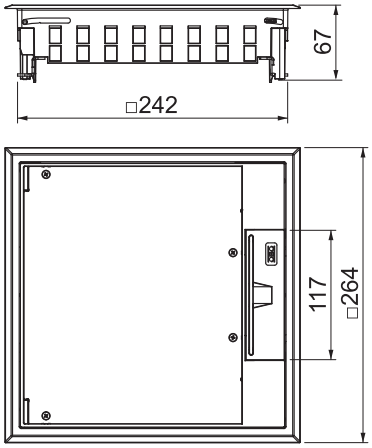
GES9-3B service outlet with handle clamp

PA



Service outlet with handle clamp, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed. Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 10 mm.

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GES9-3B U 7011	Iron grey	10	1	**7405077**
GES9-3B U 9011	Graphite black	10	1	**7405079**



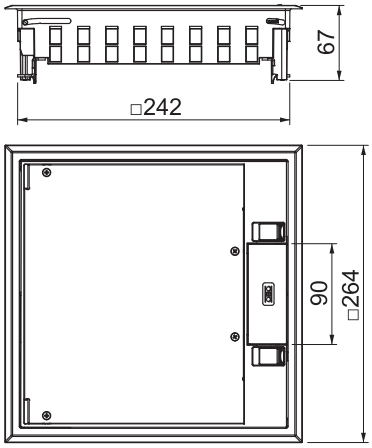
GES9-3S service outlet with locking slider

PA



Service outlet with locking slider, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed. Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 10 mm.

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GES9-3S U 7011	Iron grey	10	1	**7405083**
GES9-3S U 9011	Graphite black	10	1	**7405085**

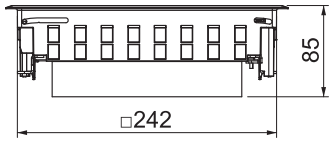


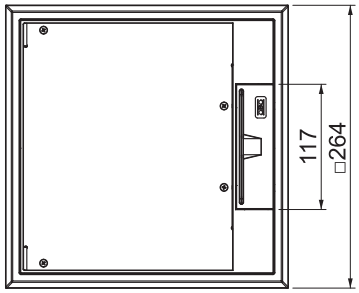
Always indicate the item number when ordering.

PA

GES9-3 service outlet with handle clamp, for 3 cover plates APMT5

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GES9-3 UME 7011	Iron grey	10	1	**7405097**





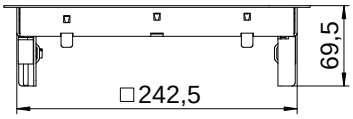


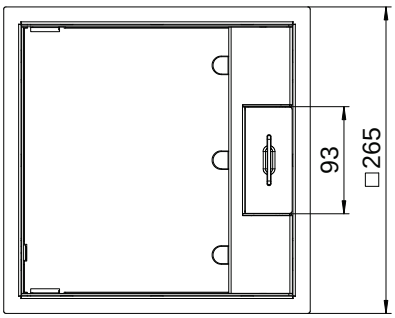
Service outlet with metal installation frame for mounting of 3 cover plates of shape APMT5, for use in UGD and UDS underfloor boxes in interior areas.
Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 10 mm.

A2

GES9M-2 service outlet with handle clamp

Type	Material	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GES9M-2 10U	A2	10	1	**7405371**







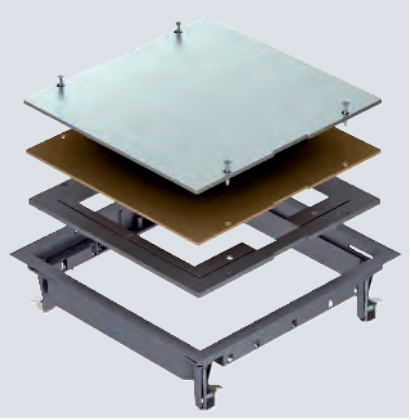
Service outlet with handle clamp, 3-compartment, for the installation of MT9 mounting support. 3 type APMT5 cover plates can be installed.



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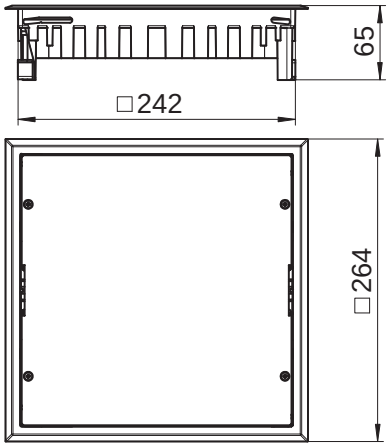
ZES9 inspection cover

PA



Junction box insert for blank closing of a square mounting opening of nominal size 9 in trunking systems and in raised and cavity floors for indoor use. Polyamide floor covering profile.
Recess is 5 mm, if necessary, adjustable to 3, 8 or 10 mm.

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
ZES9-2 U10T 7011	Iron grey	10	1	**7406672**
ZES9-2 U10T 9011	Graphite black	10	1	**7406674**



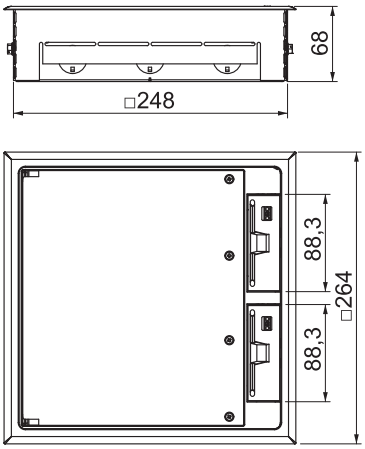
Underfloor box with GES9

PA



Square screed socket with GES9 UGE service outlet for use in screed floors for indoor use. With pre-marked insertion openings for pipelines (M20/M25) on all four sides.
In the as-delivered state, the installation housing is closed with a mounting protection lid.
The minimum installation depth is 65 mm, the height-adjustment range +25 mm.
Three type APMT5 cover plates can be installed.

Type	Floor covering thickness mm	Colour	Min. ordering quantity Piece	Item no.
SFB GES9 7011 BS	10	Iron grey	1	**7427475**

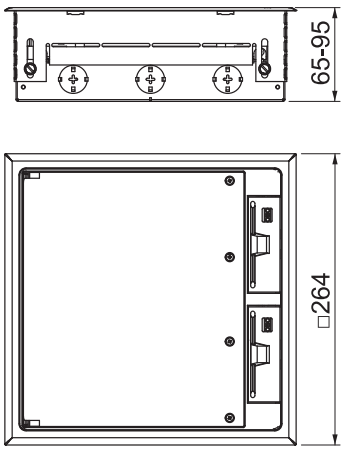


PA

CE

Set of underfloor box with GES9UGE

Type	Floor covering thickness mm	Colour	Min. ordering quantity Piece	Item no.
SFB GES9 7011 V	10	Iron grey	1	**7429699**





Square screed socket with GES9 UGE service outlet for use in screed floors for indoor use. With pre-marked insertion openings for pipelines (M25) on all four sides. With three cover plates. The minimum installation depth is 64 mm, the height-adjustment range +23 mm.



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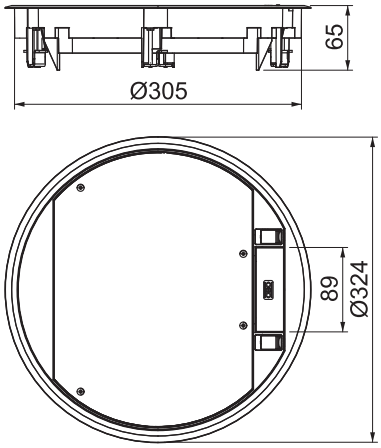
GESR9 service outlet with locking slider

PA



Service outlet with locking slider, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed. Floor covering recess in the hinged cover pre-adjusted to 5 mm, if necessary adjustable to 3, 10 or 12 mm.

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
GESR9-2U12T 7011	Iron grey	12	1	**7405465**
GESR9-2U12T 9011	Graphite black	12	1	**7405466**



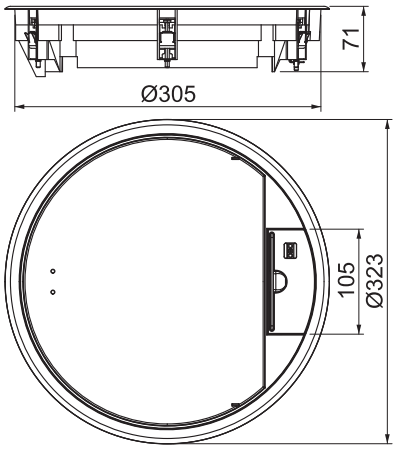
GESRA9/10 service outlet with handle clamp

AIG



Service outlet with handle clamp, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed.

Type	Material	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
GESRA9 10U	AlG	10	1	**7405580**

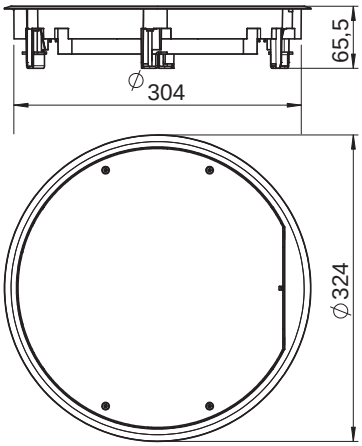


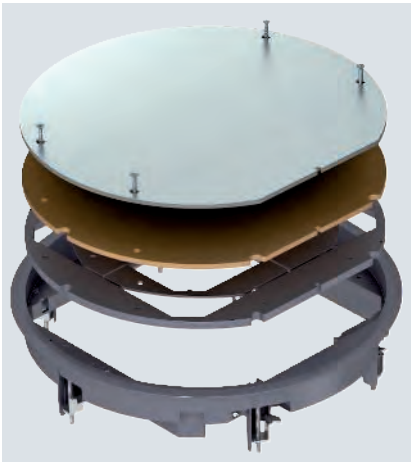
Always indicate the item number when ordering.

PA

ZESR9 inspection cover

Type	Colour	Floor covering thickness max. mm	Min. ordering quantity Piece	Item no.
ZESR9-2 U12T7011	Iron grey	12	1	7406805
ZESR9-2 U12T9011	Graphite black	12	1	7406806



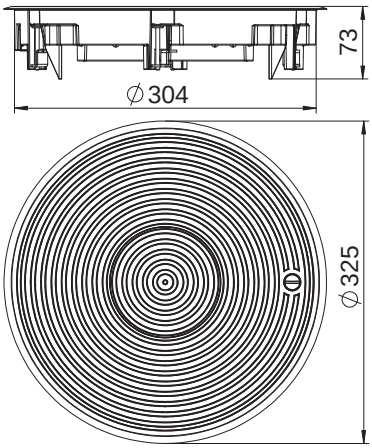


Junction box insert for blank closing of a round mounting opening of nominal size R9 in trunking systems and in raised and cavity floors for indoor use. With universal fixing bracket.
Polyamide carpet protection frame.
Floor covering recess 12 mm.

AIG

GRAF9 universal service outlet, wet-cleaned with structured lid

Type	Colour	Min. ordering quantity Piece	Item no.
GRAF9-2 U 7011	Iron grey	1	7405746
GRAF9-2 U 9011	Graphite black	1	7405750



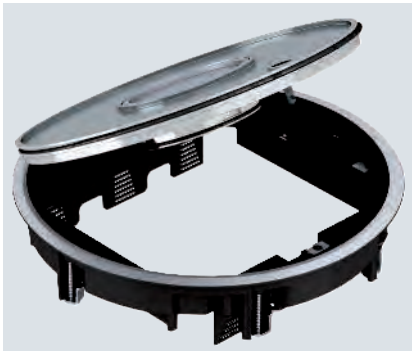


Service outlet with tube body for wet cleaned floors, 3-compartment, for the installation of MT9 mounting support. Three type APMT5 cover plates can be installed.

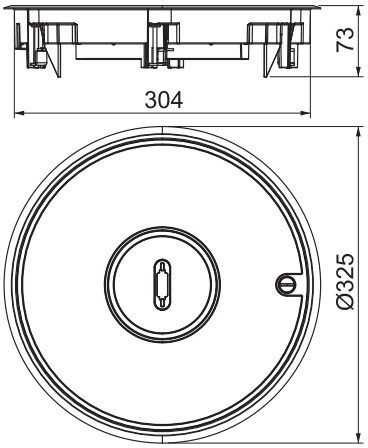
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Service outlet GRAF9-2 BA3, wet-cleaned with floor covering recess

AIG



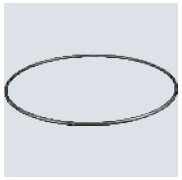
Type	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
GRAF9-2 BA3	3	1	7405743

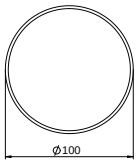


Accessories

Round seal for tube body

EPDM



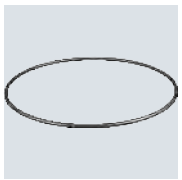


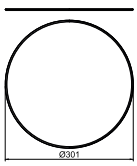
Type	Min. ordering quantity Piece	Item no.
RD2 TUK2	1	7407098

Round seal for tube body TUK2 - spare part.

Seals for GRAF9-2 (spare part)

EPDM





Type	Min. ordering quantity Piece	Item no.
RD GRAF9-2	1	7407099

Round seals for GRAF9-2 and tube body - spare part.

Care agent for cassette seal and tube body seal

PTFE



Type	Min. ordering quantity Piece	Item no.
PF-G	1	7407110

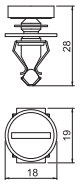
Cleaning agent for round seals RD2, flat seals FD2 QNK and tube body seal RD2TUK2.

Always indicate the item number when ordering.

PA

Separating retainer (spare part)

Type	Colour	Min. ordering quantity Piece	Item no.
VTGRAF9 9011	Graphite black	1	7408507
VTGRAF9 7011	Iron grey	1	7408508



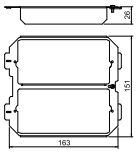


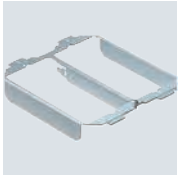
Plug consisting of a locking pin and seat as spare part for GRAF9.

St FS

Mounting support, nominal size 4 and R4, for APMT2 cover plates

Type	Min. ordering quantity Piece	Item no.
MT 4R4 AP 2	1	7407748



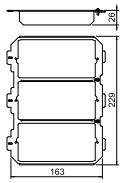


Mounting support for accepting APMT2 cover plates, which aid the installation of accessories in installation units of nominal sizes 4 and R4.

St FS

Mounting support, nominal size 6, for APMT2 cover plates

Type	Min. ordering quantity Piece	Item no.
MT 6 AP2	1	7407752



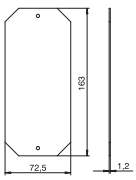


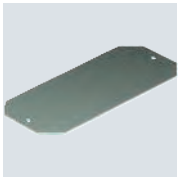
Mounting support for accepting three APMT2 cover plates, which aid the installation of accessories in installation units of nominal size 6.

St FSO

Cover plate APMT2/0

Type	Colour	Min. ordering quantity Piece	Item no.
AP MT2 0	Grey-white	20	7406912



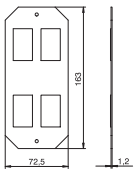


For blanking locking on an unused compartment in an MT mounting support.
L = 163 mm.

St FSO

Cover plate APMT2/1

Type	Colour	Number of square openings	Min. ordering quantity Piece	Item no.
AP MT2 1	Grey-white	4	20	7406916





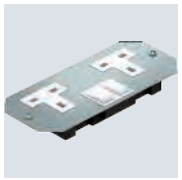
Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 163 mm.

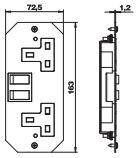


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Cover plate APMT2 with double socket

St FSO



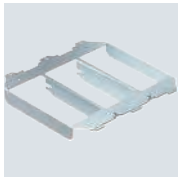


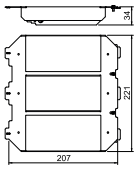
Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT2 BS 2SS0	Grey-white	163	4	**7407872**

Cover plate with a switched double socket for installation in mounting supports beneath GES service outlets and cassettes.
Socket with increased contact protection with screw connection, 3-pole, 13 A, 250 V~, corresponds to BS 1363.

Mounting support, nominal size 9 and R9, for APMT5 cover plates

St FS



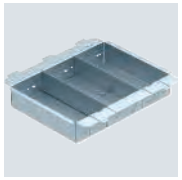


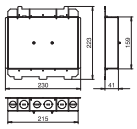
Type	Min. ordering quantity Piece	Item no.
MT 9R9 AP 5	1	**7407756**

Mounting support for accepting three APMT5 cover plates, which aid the installation of accessories in installation units of nominal size 9.

Mounting support for GES9

St FS



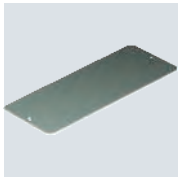


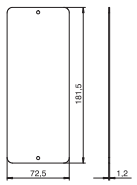
Type	Min. ordering quantity Piece	Item no.
MT 9 DB AP 5	1	**7428235**

Closed mounting support for receiving 3 APMT5 cover plates. The mounting support is fastened below the GES9DB service outlet. Each with 6 knock-out openings M20 and M25 for the mounting of flexible installation hoses.

Cover plate APMT5/0

St FSO



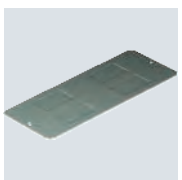


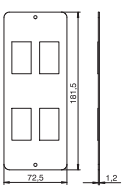
Type	Colour	Min. ordering quantity Piece	Item no.
AP MT5 0	Grey-white	20	**7406904**

For blanking locking on an unused compartment in an MT mounting support.
L = 181.5 mm.

Cover plate APMT5/1

St FSO





Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 1	Grey-white	181.5	20	**7406908**

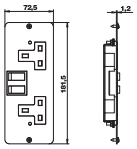
Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 181.5 mm.

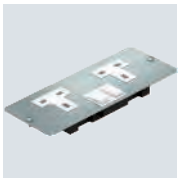
Always indicate the item number when ordering.

St FSO

Cover plate APMT5 with double socket

Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 BS 2SS0	Grey-white	181.5	4	**7407870**



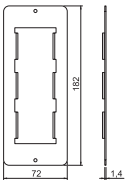


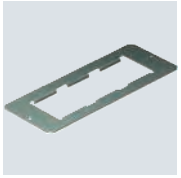
Cover plate with a switched double socket for installation in mounting supports beneath GES service outlets and cassettes. Socket with increased contact protection with screw connection, 3-pole, 13 A, 250 V~, corresponds to BS 1363.

St

Cover plate APMT5/10

Type	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 10	181.5	20	**7406894**





Cover plate for installation of 3 Modul 45 devices.
L = 181.5 mm.



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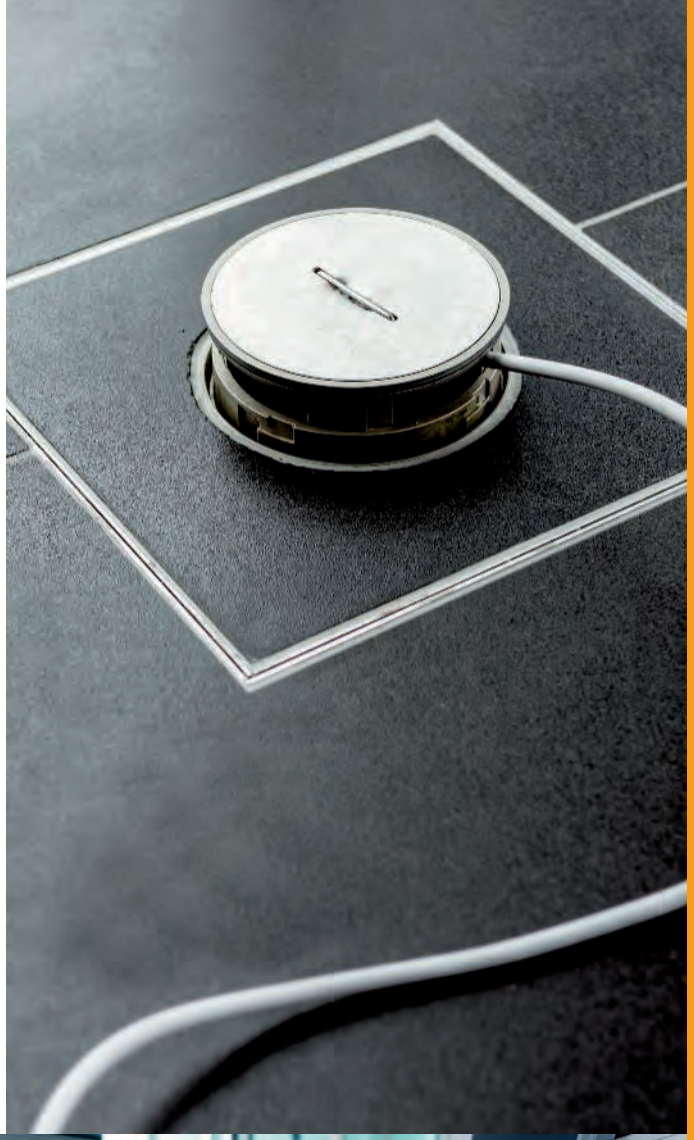
Cassettes – height-adjustable and decouplable





Stable and long-life

Frame cassettes are suitable for the top closure of an underfloor draw and junction box in dry, moist or wet-cleaned floors. They contain a 4 mm thick sheet steel plate, for safe absorption of the traffic loads.





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That's what we call variety

Round or rectangular? For dry and wet-cleaned floors? Height-adjustable? Decouplable? There are a wide range of selection options for the cassettes.

Three lid variants are available: With blanking lid, with cord outlet or with tube body. The rectangular are available in the nominal sizes 4 and 9 and the round versions are available in the nominal sizes R4, R7 and R9.



Nominal size 4 with blanking lid
External dimension 199 x 199 mm
2-compartment



Nominal size 4 for tube body
External dimension 199 x 199 mm
2-compartment



Nominal size 9 with blanking lid
External dimension 243 x 243 mm
3-compartment



Nominal size 9 for tube body
External dimension 243 x 243 mm
3-compartment



Nominal size 9 with cord outlet
External dimension 243 x 243 mm
3-compartment



Nominal size R4 with blanking lid
External dimension Ø 214 mm
3-compartment



Nominal size R4 for tube body
External dimension Ø 214 mm
3-compartment

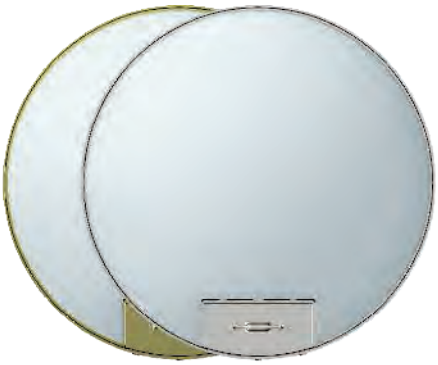
The cassette components visible in the floor covering are made from stainless steel or brass. There are versions for floor covering thicknesses of 20 mm and 25 mm.



Nominal size R9 with blanking lid
External dimension Ø 304 mm
3-compartment



Nominal size R9 for tube body
External dimension Ø 304 mm
3-compartment



Nominal size R9 with cord outlet
External dimension Ø 304 mm
3-compartment



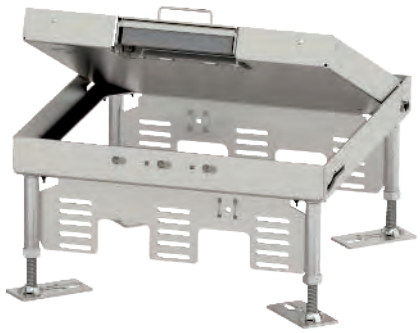
The cassettes can be equipped with three different tube body variants: With cover plate, with cover plate and handle clamp or with floor covering recess and handle clamp.

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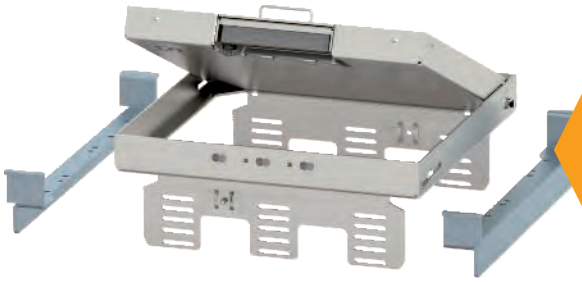
Cassette types

Height-adjustable cassettes

The height-adjustable cassettes can be adjusted exactly to the top edge of the floor covering. The cassettes can be installed inside underfloor duct systems in a screed box or in system floors, as shown below. They are fastened to the raw concrete using height-adjustment units.

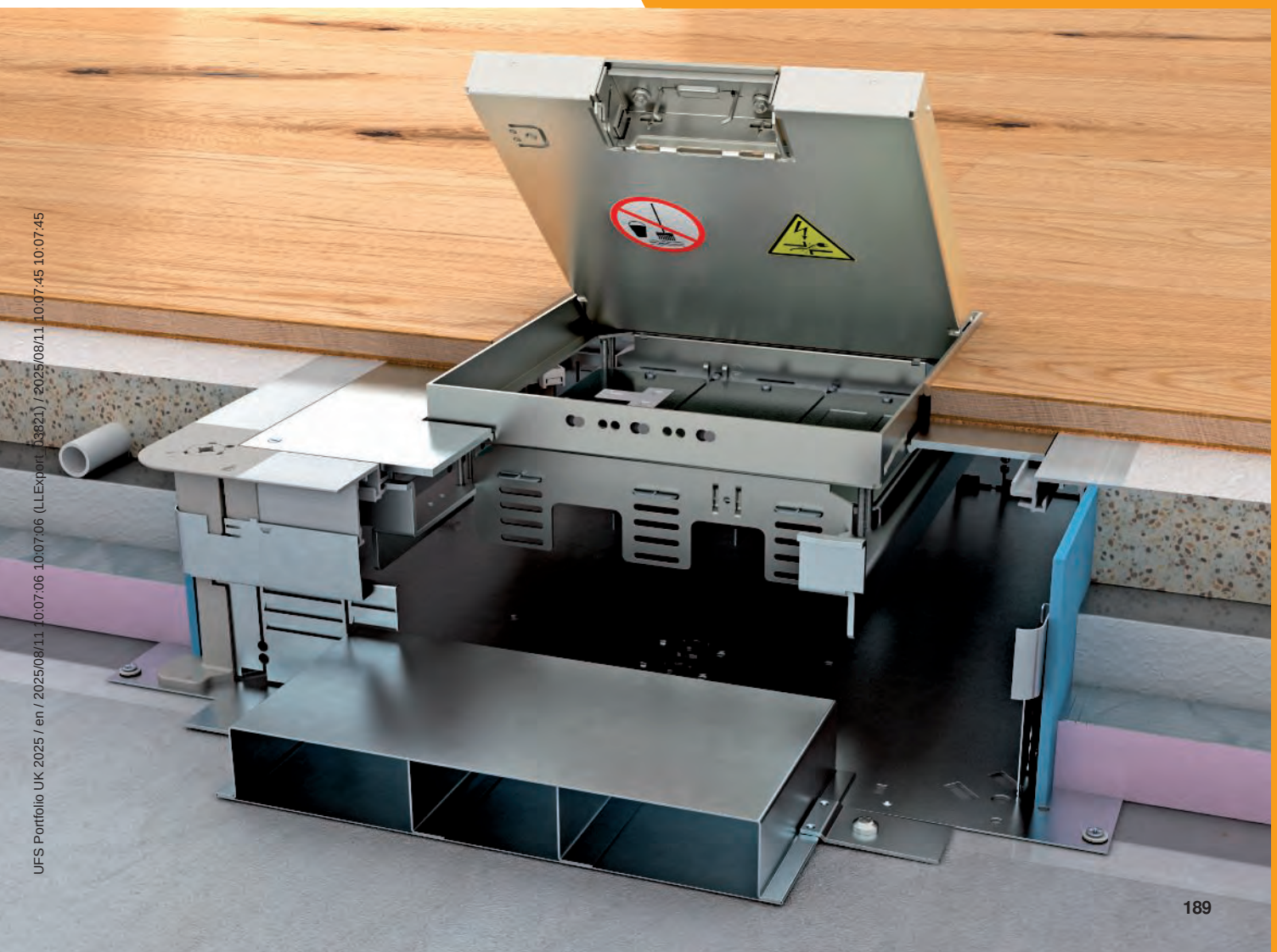






Frame cassettes

They are fastened directly on an underfloor junction and branch box without the use of a blanking lid. The cassette frame is fastened to the box body using four fastening screws and forms an allround contact edge for the neighbouring floor covering. The cassette is laid in the junction and branch box and runs flush to the cassette frame. All the versions have a seal which acts either as knock protection or as moisture protection.



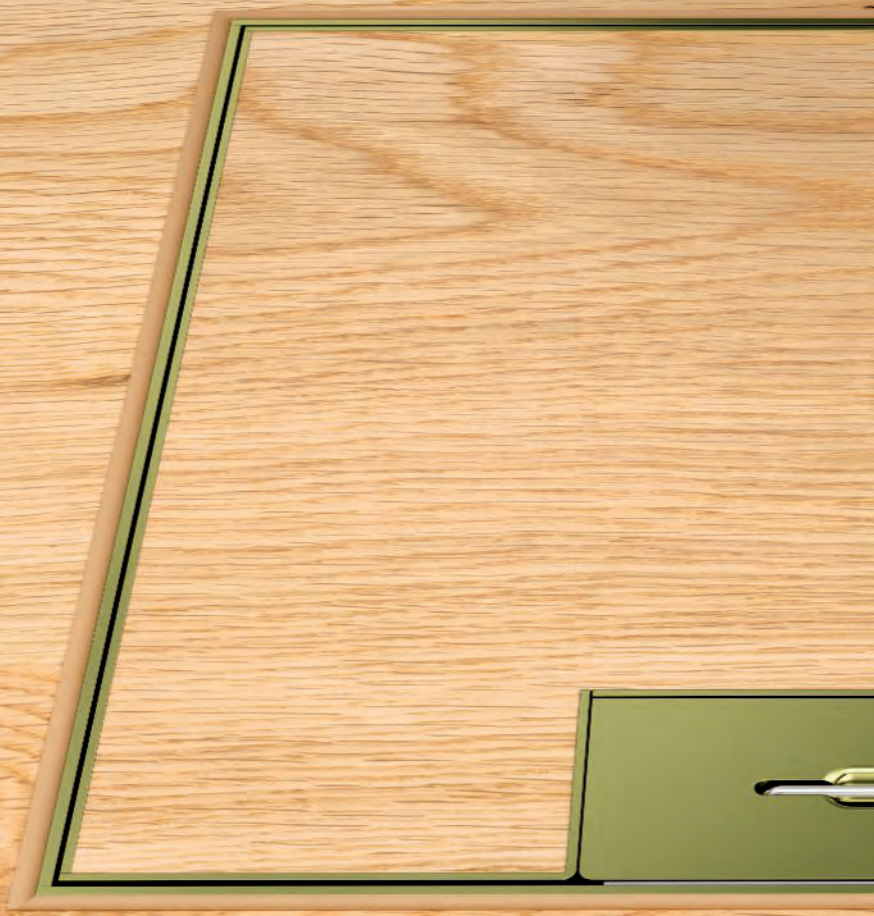
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Cassettes with cord outlet

Cassettes with brass and stainless steel cord outlets are the ideal solution for dry and moist-cleaned floors, such as wooden planks or parquet.

Practical details

The integrated equipotential bonding guarantees the conductive connection between the cassette lid and frame.



Loads

The cassette frames are made from high-quality stainless steel or brass. An integrated, 4 mm-thick sheet steel plate also increases the load capacity of the cassettes. They are tested according to the standard EN 50085-2-2 in the highly modern testing systems of the company's own BET Test Centre.



Swivellable cord outlet

The models have a swivelling cord outlet which protects the cable exit in dry and moist-cleaned floors.

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Highest quality, even when wet

The cassettes with tube body are suitable for wet-cleaned floors. The tube body opening also offers the option of passing through large-volume connector systems, such as CEE connectors.



High-quality materials

The visible components of the tube cassettes are made of stainless steel. This means that the cassettes have a fine appearance and, at the same time, are resistant to cleaning agents.



Practical tube body

The tube body can be opened for cable routing with just a few actions and can just as easily be lowered to be flush with the floor. Three variants are available: With cover plate, with cover plate and handle clamp or with floor covering recess and handle clamp.



Wet care

The tube body cassette possesses seals in the lid and in the tube body. If the service outlet is opened for cable installation, the 10 mm-high tube body ring protects the electrical installation against the ingress of water. The tube body cassettes thus fulfil the IP requirements for installation in wet-cleaned floors.



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Compatible

Cassettes from OBO are suitable for installation in underfloor duct systems, as well as in system floors. They are compatible with various underfloor systems, including the EÜK screed-covered system and the open OKA screed-flush system.



Screed-covered duct system EÜK



Polished floors

In modern interior architecture, surface-finished screeds are used, such as polished screed or Terrazzo. Customers and architects value these floor coverings for their varied design options and their economy.

Using the special lined body system for Terrazzo floors, height-adjustable cassettes can be installed perfectly in polished concrete floors or cement screeds. The lined body system can then be polished with the screed layer.

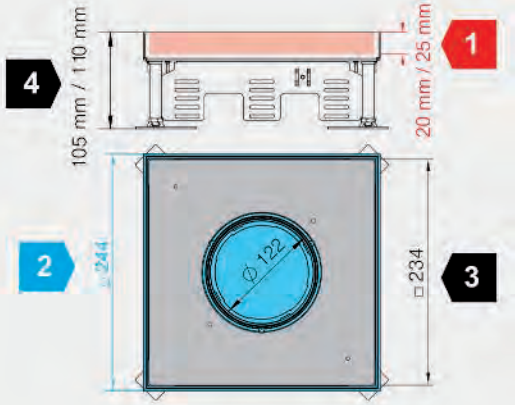


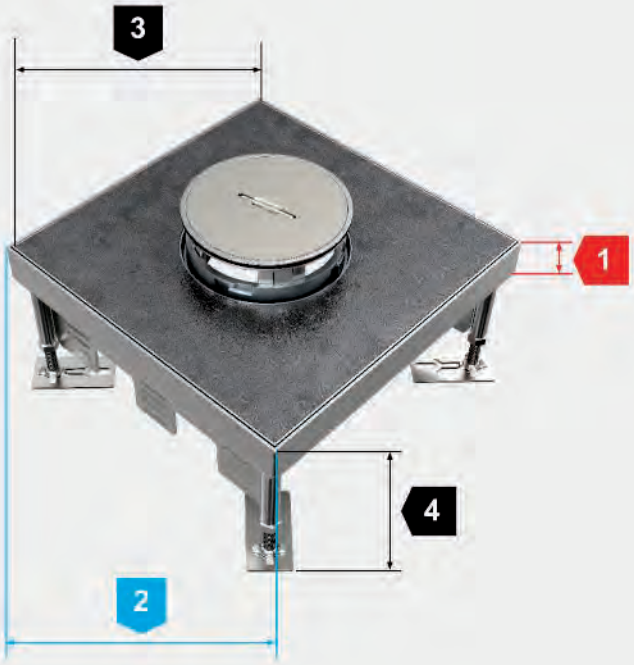
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Installation and floor cut-out dimensions



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

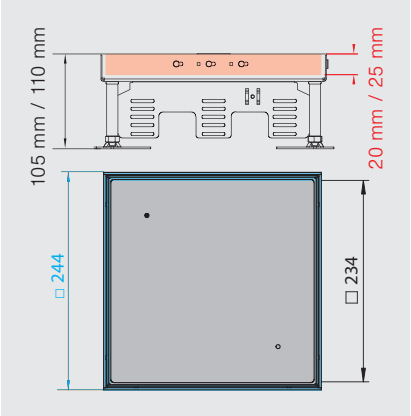
Internal dimension of the lid to determine the floor covering cut-out (black dimensions)
The dimension data relates to the internal dimension of the cassette lid and is used to calculate the floor covering cut out. Depending on the type of floor covering, appropriate reductions should be taken into account,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

4

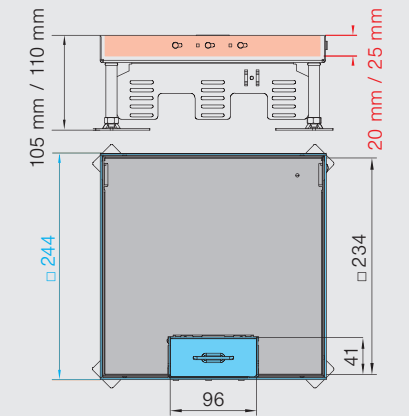
Minimum floor structure height (raw concrete ceiling to finished floor)
The dimension describes the minimum floor structure height from the raw concrete ceiling to the top edge of the finished floor. It guarantees correct installation and use of installation devices, such as sockets, data and multimedia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

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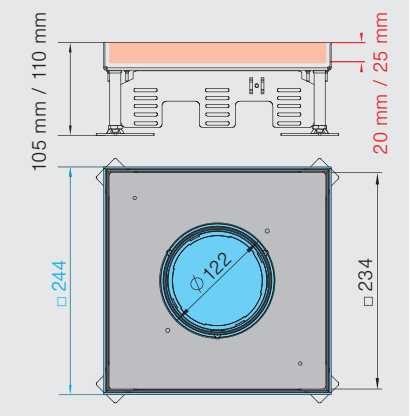
System dimensions, height-adjustable square cassettes



Nominal size 9, type RKN2

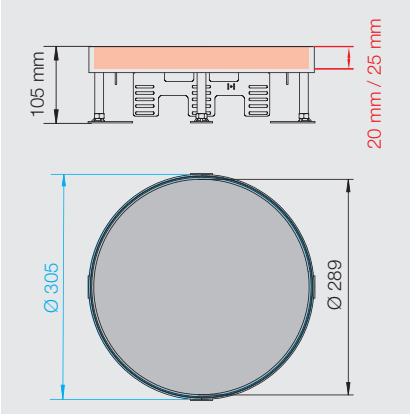


Nominal size 9, type RKSN2

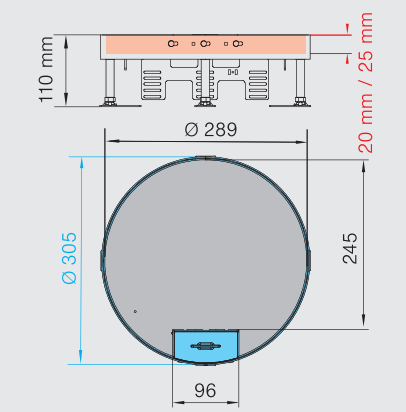


Nominal size 9, type RKFN 2

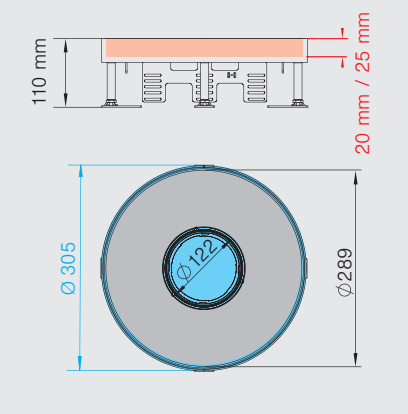
System dimensions, height-adjustable round cassettes



Nominal size R9, type RKR2 and RKRN2



Nominal size R9, type RKS2 and RKSRN2



Nominal size R9, type RKFR2 and RKFRN2

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Installation principle, height-adjustable square cassette

System components

1	Height-adjustable square cassette with cord outlet
2	Height-adjustment bracket
3	Height-adjustable and decouplable square cassette
4	Cassette for tube body
5	Tube body
6	Cassette for inspection opening
7	Threaded sleeve



Installation principle, height-adjustable round cassette

System components

1	Height-adjustable round cassette with cord outlet
2	Height-adjustment bracket
3	Height-adjustable and decouplable round cassette with cord outlet
4	Cassette for tube body
5	Tube body
6	Cassette for inspection opening
7	Threaded sleeve



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Standard data

To DIN EN 50085-1 and DIN EN 50085-2-2

Class		Height-adjustable cassettes
6.2	According to impact resistance for installation and application	
6.2.4	Electrical installation duct systems for impact energy 5 J	5 J
6.3	According to temperatures, as specified in Tables 1, 2 and 3	
Table 1	Minimum storage and transport temperature ± 2 °C	–25 °C
Table 2	Minimum installation and application temperatures ± 2 °C	+5 °C
Table 3	Application temperatures ± 2 °C	+60 °C
6.4	According to the resistance against fire spread	
6.4.2	Electrical installation duct systems which do not permit the spread of fire	x
6.5	According to the electrical conductivity	
6.5.1	Electrical installation duct systems with electrical conductivity	x
6.6	According to the electrical insulation property	
6.6.2	Electrical installation duct systems without electrical insulation capability	x
6.7	According to the protection ratings offered by the housing or casing to EN 60529:1991	
6.7.1	According to protection against ingress of solid foreign bodies	x
6.7.2	According to protection against ingress of water	x
6.101	Depending on the type of floor care	
6.101.1	Electrical installation duct systems for dry floor cleaning	x[1]
6.101.2	Electrical installation duct systems for wet floor cleaning when the service outlet is not in use	x[2]
6.101.3	Electrical installation duct systems for wet floor cleaning when the service outlet is in use	x[2]
6.102	According to resistance to vertical loads affecting a small surface area	
6.102.7	Electrical installation duct systems for 3,000 N	x
6.103	According to resistance to vertical loads affecting a large surface area	
6.103.2	Electrical installation duct systems for 3,000 N	x
6.103.3	Electrical installation duct systems for 5,000 N	x[1]

x[1]: Applies to cassettes with cord outlet, x[2]: Applies to cassettes with tube body and blanking lid



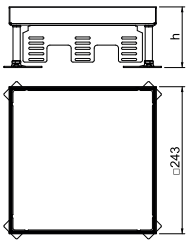
CuZn 37

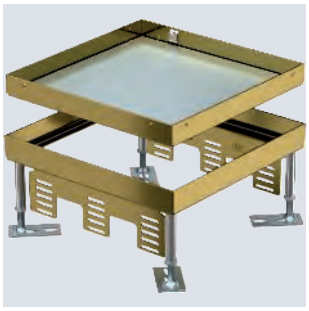
IP 55

Height-adjustable cassette for inspection opening, RKN, brass

Type	Nominal size	Dim. h mm	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece		Item no.
RKN3 9 MS 20	9	105	20	105-150	1		**7408972**

"Blank" height-adjustable cassette for the creation of an inspection opening of nominal size 4. Installation of devices in duct systems, raised and cavity floors in interior dry or wet-care floors. Only suitable for smooth floor coverings.





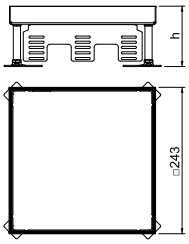
A2

IP 55

Height-adjustable cassette for inspection opening, RKN, stainless steel

Type	Nominal size	Dim. h mm	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece		Item no.
RKN3 9 VS 20	9	105	20	105-150	1		**7408970**

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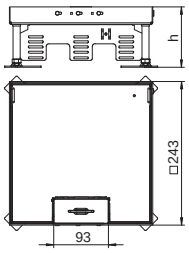


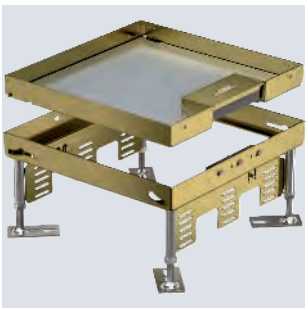


CuZn 37

Height-adjustable cassette with cord outlet, RKSN, brass

Type	Nominal size	Dim. h mm	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece		Item no.
RKSN2 9 MS 20	9	105	20	105-150	1		**7409212**

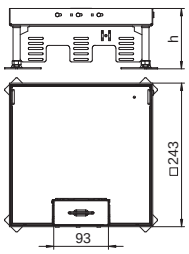




A2

Height-adjustable cassette with cord outlet, RKSN, stainless steel

Type	Nominal size	Dim. h mm	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece		Item no.
RKSN2 9 VS 20	9	105	20	105-150	1		**7409218**

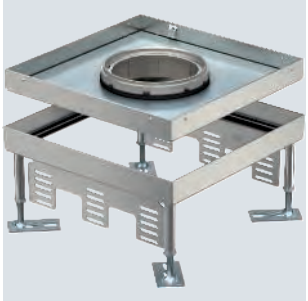


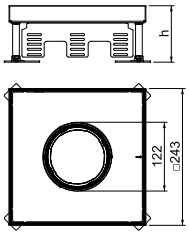


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Height-adjustable cassette for tube body, RKFN, stainless steel

A2

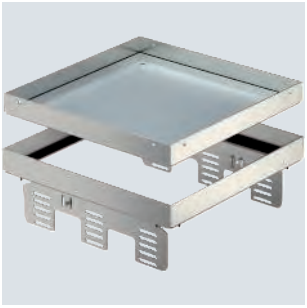


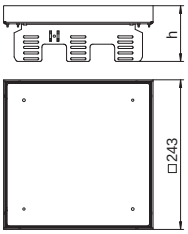


Type	Nominal size	Dim. h mm	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece		Item no.
RKFN3 9 VS 20	9	105	20	105 - 150	1		**7408980**

Height-adjustable, decouplable cassette for inspection opening, RKNUZD3, stainless steel

A2

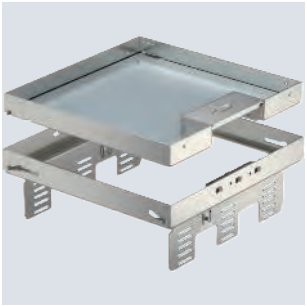


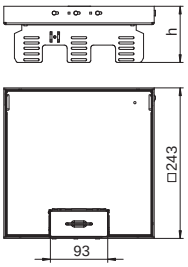


Type	Nominal size	Dim. h mm	Floor covering thickness mm	Min. ordering quantity Piece		Item no.
RKN2 UZD3 9VS20	9	90	20	1		**7409066**

Height-adjustable, decouplable cassette with cord outlet, RKSNUZD3, stainless steel

A2



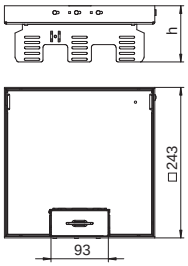


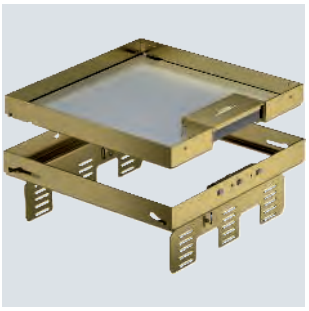
Type	Nominal size	Dim. h mm	Floor covering thickness mm	Min. ordering quantity Piece		Item no.
RKSN2 UZD3 9VS20	9	90	20	1		**7409238**

CuZn 37

Height-adjustable, decouplable cassette with cord outlet, RKSNUZD3, brass

Type	Nominal size	Dim. h mm	Floor covering thickness mm	Min. ordering quantity Piece		Item no.
RKSN2 UZD3 9MS20	9	90	20	1		**7409232**

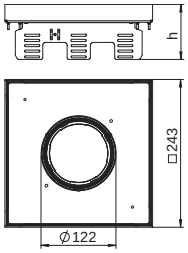


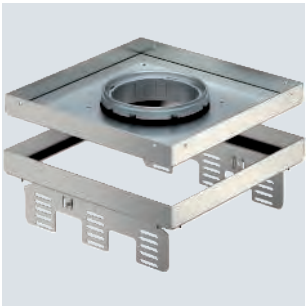


A2

Height-adjustable, decouplable cassette for tube body, RKFNUZD3, stainless steel

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RKFN2UZD3 9VS20	9	90	20	1		**7409378**



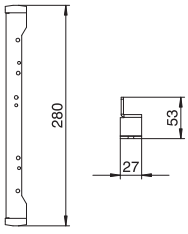


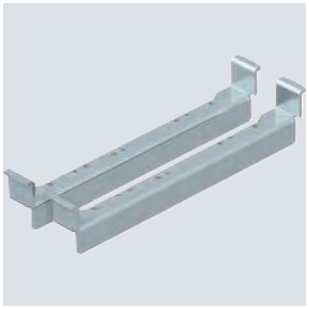
St FS

Height adjustment bracket for installation in UZD/UGD250-3 for one square cassette

Type	Material	Min. ordering quantity Piece		Item no.
NW 250-3 QK	St	1		**7410540**
NW 350-3 QK	St	1		**7410544**

Height adjustment bracket to mount the square height-adjustable cassettes in the underfloor connection socket, type UZD/UGD 250.
With all the components necessary for mounting and height adjustment.



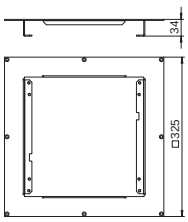


St F

Mounting lid for height-adjustable cassette of nominal size 9 in system bases

Type	Width mm	Length mm	Cut-out dimensions mm	Min. ordering quantity Piece		Item no.
DUG RK UAN 9	325	325	248x248	1		**7428547**

Mounting lid for the installation of height-adjustable cassettes of nominal size 9 in system floors.

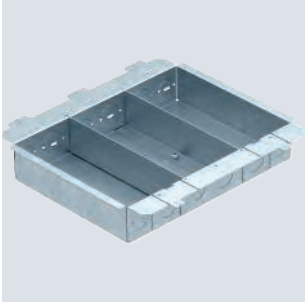


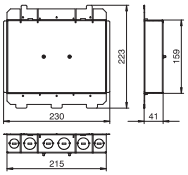


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St FS

Mounting support for GES9





Type	Min. ordering quantity Piece	Item no.
MT 9 DB AP 5	1	**7428235**

Closed mounting support for receiving 3 APMT5 cover plates. The mounting support is fastened below the GES9DB service outlet. Each with 6 knock-out openings M20 and M25 for the mounting of flexible installation hoses.

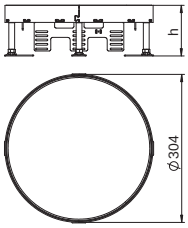


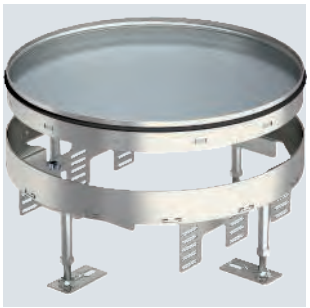
A2

Height-adjustable cassette for inspection opening, RKR, stainless steel

Type	Nominal size	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece	Item no.
RKR2 9V 20	R9	20	105-155	1	**7409128**

Height-adjustable cassette as a blind cassette, 3-compartment.



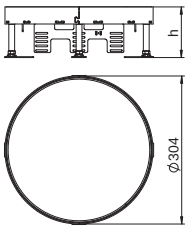


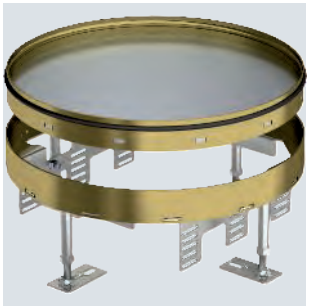
CuZn 37

Height-adjustable cassette for inspection opening, RKR, brass

Type	Nominal size	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece	Item no.
RKR2 9M 20	R9	20	105-155	1	**7409122**

Height-adjustable cassette as a blind cassette, 3-compartment.

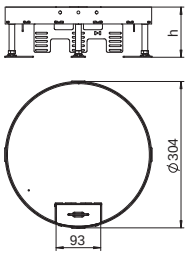


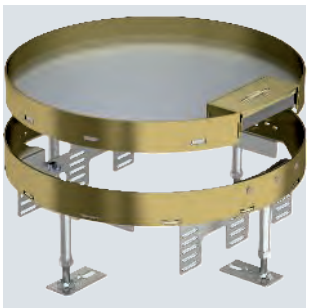


CuZn 37

Height-adjustable cassette with cord outlet, RKSR, brass

Type	Nominal size	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece	Item no.
RKS2 R9 M20	R9	20	110-155	1	**7409272**

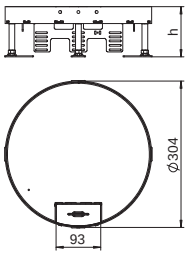




A2

Height-adjustable cassette with cord outlet, RKSR, stainless steel

Type	Nominal size	Floor covering thickness mm	Floor height mm	Number of installable devices	Min. ordering quantity Piece	Item no.
RKS2 R9 V20	R9	20	110-155	12	1	**7409278**

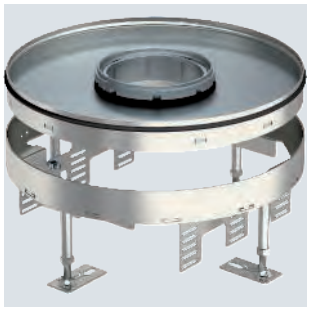


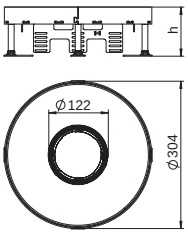


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Height-adjustable cassette for tube body, RKFR, stainless steel

A2

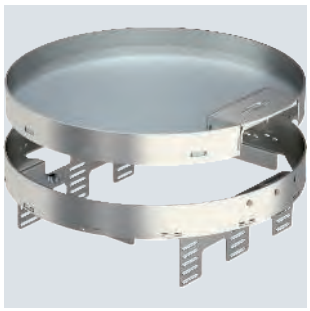


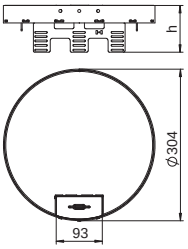


Type	Nominal size	Floor covering thickness mm	Floor height mm	Min. ordering quantity Piece		Item no.
RKFR2 9 V20	R9	20	110-155	1		**7409430**

Height-adjustable, decouplable cassette with cord outlet, RKSRNUZD3, stainless steel

A2

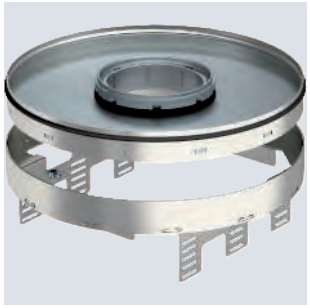


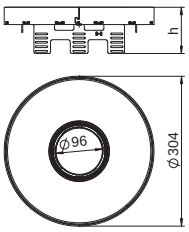


Type	Nominal size	Floor covering thickness mm	Min. ordering quantity Piece		Item no.
RKSRN2UZD3R9VS25	R9	25	1		**7409310**

Height-adjustable, decouplable cassette for tube body, RKFRNUZD3, stainless steel

A2



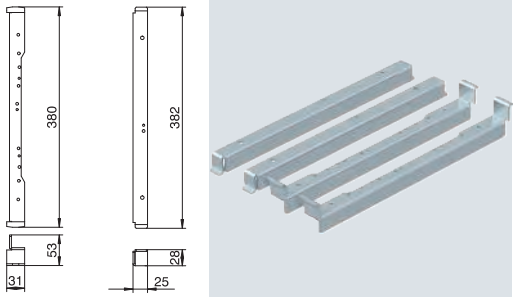


Type	Nominal size	Floor covering thickness mm	Min. ordering quantity Piece		Item no.
RKFRN2UZD3R9VS25	R9	25	1		**7409452**

St FS

Height adjustment bracket for installation in UGD350-3 for one round cassette

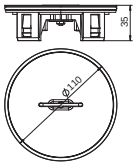
Type	Material	Min. ordering quantity Piece	Item no.
NW 350-3 RK	St	1	7410556



Zn N

Tube body with cover plate, with handle clamp, for frame cassette and height-adjustable cassette

Type	Min. ordering quantity Piece	Item no.
TUK2 GV	1	7428140



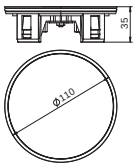


Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover and handle made of V2A.

Zn N

Tube body with cover plate, without handle clamp, for frame cassette and height-adjustable cassette

Type	Min. ordering quantity Piece	Item no.
TUK2 V	1	7428141



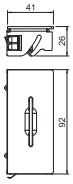


Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover made of V2A.

A2 GUF

Cord outlet for cassette

Type	Min. ordering quantity Piece	Item no.
SA RKSN-2 V	1	7409355
SA RKSR2 9 V	1	7409358



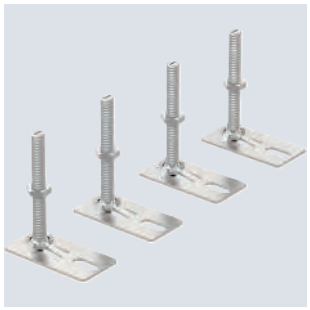


Cord outlet for installation in height-adjustable cassettes. Use only in dry-cleaned floors.

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Height adjustment unit RKNEV2

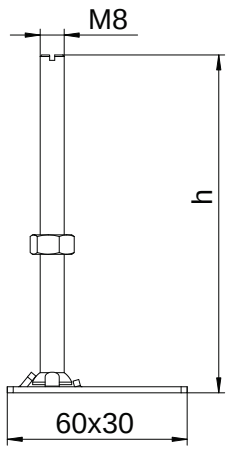
St G



Type	Dim. h mm	Height adjustment range mm	Min. ordering quantity PU		Item no.
RK NEV2 70	70	100-150	1		**7405814**
RK NEV2 110	110	140-190	1		**7405815**
RK NEV2 150	150	180-230	1		**7405816**
RK NEV2 190	190	220-270	1		**7405817**
RK NEV2 230	230	260-310	1		**7405818**
RK NEV2 270	270	300-355	1		**7405819**

For flushfloor height adjustment of the height adjustable cassette units and the OKB screed-flush trunking system. The VPE consists of 4 height adjustment units.

Dimensions



Dimension "h" mm	RKN2, 20 mm mm	RKN2, 25 mm mm	RK(S+F)N2, 20 mm mm	RK(S+F)N2, 25 mm mm	RKR2, 20/25 mm mm	RK(S+F)R2, 20/25 mm mm	OKB mm
70	100 - 150	105 - 155	105 - 150	110 - 155	105 - 155	110 - 155	93 - 133
110	140 - 190	145 - 195	145 - 190	150 - 195	145 - 195	150 - 195	133 - 173
150	180 - 230	185 - 235	185 - 230	190 - 235	185 - 235	190 - 235	173 - 213
190	220 - 270	225 - 275	225 - 270	230 - 275	225 - 275	230 - 275	213 - 253
230	260 - 310	265 - 315	265 - 310	270 - 315	265 - 315	270 - 315	253 - 293
270	300 - 350	305 - 355	305 - 350	310 - 355	305 - 355	310 - 355	293 - 333

Fitter for height-adjustable cassette

St FS





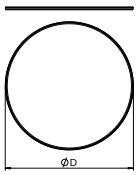
Type	Nominal size	Min. ordering quantity Piece		Item no.
AS 9	9	1		**7406952**

Lid put up for holding up the square, height-adjustable cassette, with cord outlet.

Round seal for height-adjustable round cassette (spare part)

EPDM





Type	Dim. D mm	Min. ordering quantity Piece		Item no.
RD R9 NK2	304	1		**7407075**

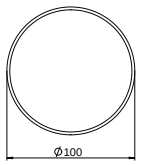
Round seal for height-adjustable round cassettes RKR2 and RKFR2 of nominal sizes R4, R7 and R9.

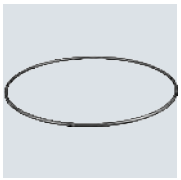
Always indicate the item number when ordering.

EPDM

Round seal for tube body

Type	Min. ordering quantity Piece	Item no.
RD2 TUK2	1	7407098



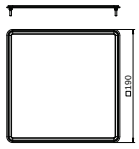


Round seal for tube body TUK2 - spare part.

EPDM

Flat seal for square height-adjustable cassette, nominal size (spare part)

Type	Dim. L mm	Min. ordering quantity Piece	Item no.
FD 9 QNK2	233	1	7407109





Flat seal for height-adjustable square cassettes RKN2 and RKFN2 of nominal sizes 4 and 9.

PTFE

Care agent for cassette seal and tube body seal

Type	Min. ordering quantity Piece	Item no.
PF-G	1	7407110



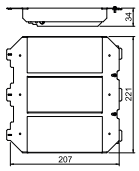
Cleaning agent for round seals RD2, flat seals FD2 QNK and tube body seal RD2TUK2.

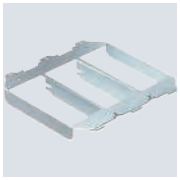
Installation accessories for device installation units of nominal size R7, 9, R9

St FS

Mounting support, nominal size 9 and R9, for APMT5 cover plates

Type	Min. ordering quantity Piece	Item no.
MT 9R9 AP 5	1	7407756





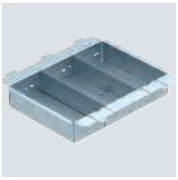
Mounting support for accepting three APMT5 cover plates, which aid the installation of accessories in installation units of nominal size 9.

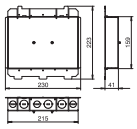
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Installation accessories for device installation units of nominal size R7, 9, R9

Mounting support for GES9

St FS



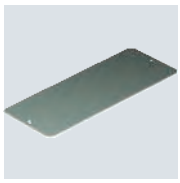


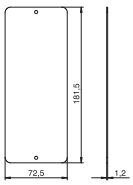
Type	Min. ordering quantity Piece		Item no.
MT 9 DB AP 5	1		**7428235**

Closed mounting support for receiving 3 APMT5 cover plates. The mounting support is fastened below the GES9DB service outlet. Each with 6 knock-out openings M20 and M25 for the mounting of flexible installation hoses.

Cover plate APMT5/0

St FSO



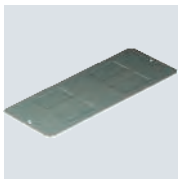


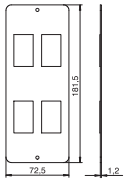
Type	Colour	Min. ordering quantity Piece		Item no.
AP MT5 0	Grey-white	20		**7406904**

For blanking locking on an unused compartment in an MT mounting support.
L = 181.5 mm.

Cover plate APMT5/1

St FSO



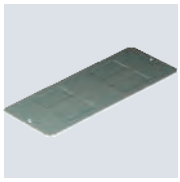


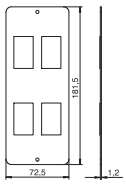
Type	Colour	Length mm	Min. ordering quantity Piece		Item no.
AP MT5 1	Grey-white	181.5	20		**7406908**

Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 181.5 mm.

Cover plate APMT5/1

St FSO



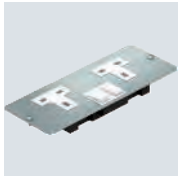


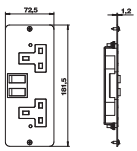
Type	Colour	Length mm	Min. ordering quantity Piece		Item no.
AP MT5 1	Grey-white	181.5	20		**7406908**

Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 181.5 mm.

Cover plate APMT5 with double socket

St FSO





Type	Colour	Length mm	Min. ordering quantity Piece		Item no.
AP MT5 BS 2SS0	Grey-white	181.5	4		**7407870**

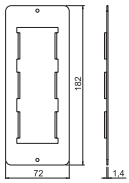
Cover plate with a switched double socket for installation in mounting supports beneath GES service outlets and cassettes. Socket with increased contact protection with screw connection, 3-pole, 13 A, 250 V~, corresponds to BS 1363.

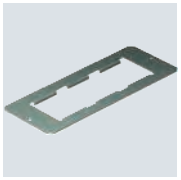
Always indicate the item number when ordering.

St

Cover plate APMT5/10

Type	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 10	181.5	20	**7406894**



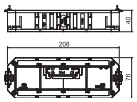


Cover plate for installation of 3 Modul 45 devices.
L = 181.5 mm.

PA

UT4 universal support, with cover plate for Modul 45® devices, system length 208 mm

Type	Length mm	Width mm	Height mm	Number of installable devices	Min. ordering quantity Piece	Item no.
UT4 45 4	208	76	40	4	1	**7408727**





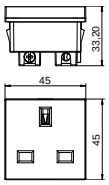
Universal support with two strain reliefs, mounting bridges, partition and UT4 P4 cover plate for installation of 4 Modul 45 devices in device installation units of nominal sizes R7, R9 and 9.

Universal support with two strain reliefs, partition and UT 4 P4 cover plate for installation of 4 Modul 45 devices in OKB IT device supports.

PC

0° socket, British Standard, single

Type	Colour	Min. ordering quantity Piece	Item no.
STD-BS0 RW1	Pure white	1	**6120722**



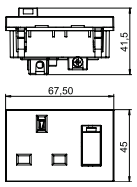


Socket, single 0°, British Standard, conforms to BS 1363, with increased touch protection, with screw terminals, 2-pin, 13 A, 250 V~.

PC

0° socket with switch, British Standard, single

Type	Colour	Min. ordering quantity Piece	Item no.
STD-BS0G RW1.5	Pure white	1	**6120724**





Socket, single 0°, with switch, British Standard, conforms to BS 1363, with increased touch protection, with screw terminals, 2-pin, 13 A, 250 V~.

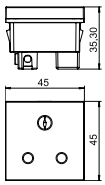
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Installation accessories for device installation units of nominal size R7, 9, R9

0° socket, India, 5 A, single

PC



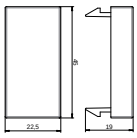


Type	Colour	Min. ordering quantity Piece	Item no.
STD-IN0 RW1	Pure white	1	**6120726**

Socket, single 0°, India, conforming to BS 546, with increased touch protection, with screw terminals, 2-pin, 5 A, 250 V~.

Blanking covers

Blanking cover, 1/2 module

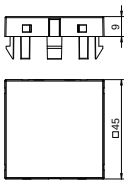


Type	Colour	Min. ordering quantity Piece	Item no.
ADP-B RW0.5	Pure white	10	**6117414**

Blanking cover for closing off empty spaces for a half device (1/2 module).

Blanking cover, 1 module





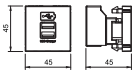
Type	Colour	Min. ordering quantity Piece	Item no.
ADP-B RW1	Pure white	10	**6117406**

Blanking cover for closing off empty spaces for a device (one module).

USB charging device

PC





Type	Colour	Min. ordering quantity Piece	Item no.
MTG-2UC2.1 RW1	Pure white	1	**6105300**

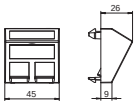
USB charging device with two USB type A sockets, for charging 1–2 mobile devices, maximum charging current 1x 2,100 mA or 2x 1,050 mA.

Always indicate the item number when ordering.

PC

Data technology support, 1 module, slanting outlet, type C

Type	Colour	Min. ordering quantity Piece	Item no.
DTS-2C RW1	Pure white	1	**6119250**





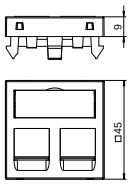
The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

PC

Data technology support, 1 module, straight outlet, type C

Type	Colour	Min. ordering quantity Piece	Item no.
DTG-2C RW1	Pure white	1	**6119214**



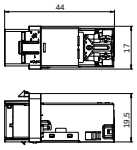


The type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat. 6A module and UAE module; Corning: modules with Keystone seat; CobiNet: CobiDat KS module; Dätwyler: KS-T, KS-TS, MS-K and KU-T; EKU: E-Stone; Harting: Prelink Keystone Cat. 6A; Fixlink Keystone Cat. 6A; Komos: KDM 500 module; Leoni Kerpen: MegaLine-Connect45 Keystone socket modules; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat. 6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

Connection module Cat. 6A, shielded, Keystone

Type	Min. ordering quantity Piece	Item no.
ASM-C6A G	1	**6117346**

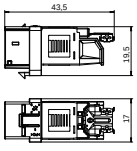




Connection module Cat. 6A (ISO) shielded, with an RJ45 slot. Including an EMC screen hood, a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

Connection module Cat. 6A, unshielded, Keystone

Type	Min. ordering quantity Piece	Item no.
ASM-C6A	1	**6117348**





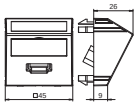
Connection module Cat. 6A (ISO) unshielded, with an RJ45 slot. Including a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

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HDMI connection, 1 module, slanting outlet, as screw connection

PC





Type	Colour	Min. ordering quantity Piece	Item no.
MTS-HD S RW1	Pure white	1	**6104814**

Multimedia support with one HDMI connection socket, slanting cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



Always indicate the item number when ordering.

Heavy-duty systems



Heavy-duty competence

OBO has developed the special heavy-duty solutions for underfloor installations in close consultation with planners and architects. Standard products, such as the EÜK screed-covered duct system or the height-adjustable cassettes, form the basis of the development.

An internal company testing standard ensures the highest quality and the highest load capacity: Its requirements go beyond the requirements of DIN EN 50085-2-2. The comprehensive heavy-duty system from OBO is suitable for screed-covered installation in dry and wet-cleaned floors.





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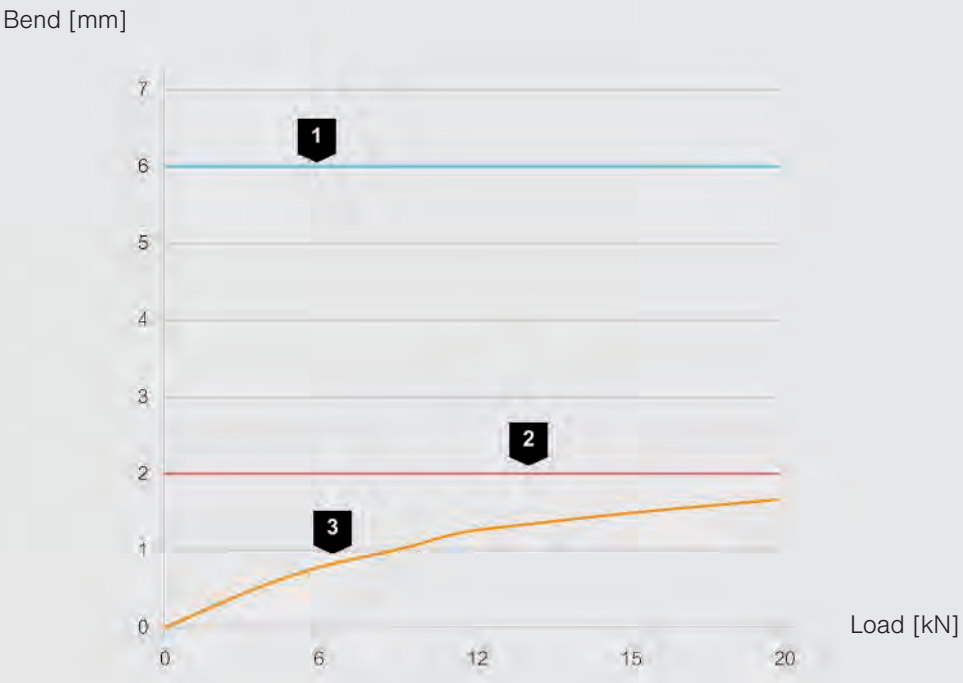
OBO testing standard

DIN EN 50085-2-2 specifies the load requirements for electrical installation systems. According to this standard, cassettes may only bend by a maximum of 6 mm when subjected to a load. However, with harder floor coverings, such as stone or tiles, bending of 6 mm will lead to breakage. For this reason, OBO has increased its internal quality criteria and goes a step further with the OBO testing standard, meaning the maximum bend for heavy-duty systems was reduced from 6 mm to 2 mm. The tests according to the OBO testing standard take place in the company's own BET Test Centre.





Heavy load testing



Tested heavy-duty system components:
- Underfloor junction and branch box of size 350-3
- Heavy-duty support, heavy-duty mounting lid
- Floor covering, tile, 20 mm
- Cassette RKF2 SL2 V3 35

1	Bend to DIN EN 500085-2-2: 6 mm
2	Bend to OBO testing standard: 2 mm
3	Measured bend, OBO heavy-duty system



OBO heavy-duty classes

Classification
DIN EN 50085-2-2 divides the load capacities of electrical installation duct systems into two classes. The classifications rate the articles according to resistance to vertical loads that act over a small (6.102) or large (6.103) surface area. The 6.103 classification and the test results from the BET Test Centre served as a basis for the development of the internal OBO classification into heavy-duty classes SL1 and SL2. Products of heavy-duty class SL1 are suitable for loads of up to 10 kN, whilst products of heavy-duty class SL2 are even suitable for loads of up to 20 kN. The maximum bending for both heavy-duty classes is 2 mm.

Class 6.103 according to DIN EN 50085-2-2

Classification*	Load in N
6.103.1	2,000
6.103.2	3,000
6.103.3	5,000
6.103.4	10,000
6.103.5	15,000

*The OBO heavy-duty classes were developed based on Class 6.103.

Classification according to the OBO testing standard

Classification according to the OBO testing standard	
OBO heavy load class	Load in N
SL 1	10,000
SL 2	20,000

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The heavy-duty solution

The screed-covered heavy-duty solution consists of six system components: the underfloor trunking, underfloor sockets, heavy-duty supports, heavy-duty mounting covers, height-adjustment units and heavy-duty cassettes. The 2- or 3-compartment underfloor trunking is used for cable routing and can be connected to the prepared installation openings of the underfloor sockets easily. The underfloor boxes permit the installation of heavy-duty cassettes for inspection purposes or for the mounting of installation accessories such as sockets, data or multimedia technology. The heavy-duty supports and the special heavy-duty mounting lid provide the necessary stability. The heavy-duty cassettes are inserted in the heavy-duty mounting lid, allowing access to the installed accessories.

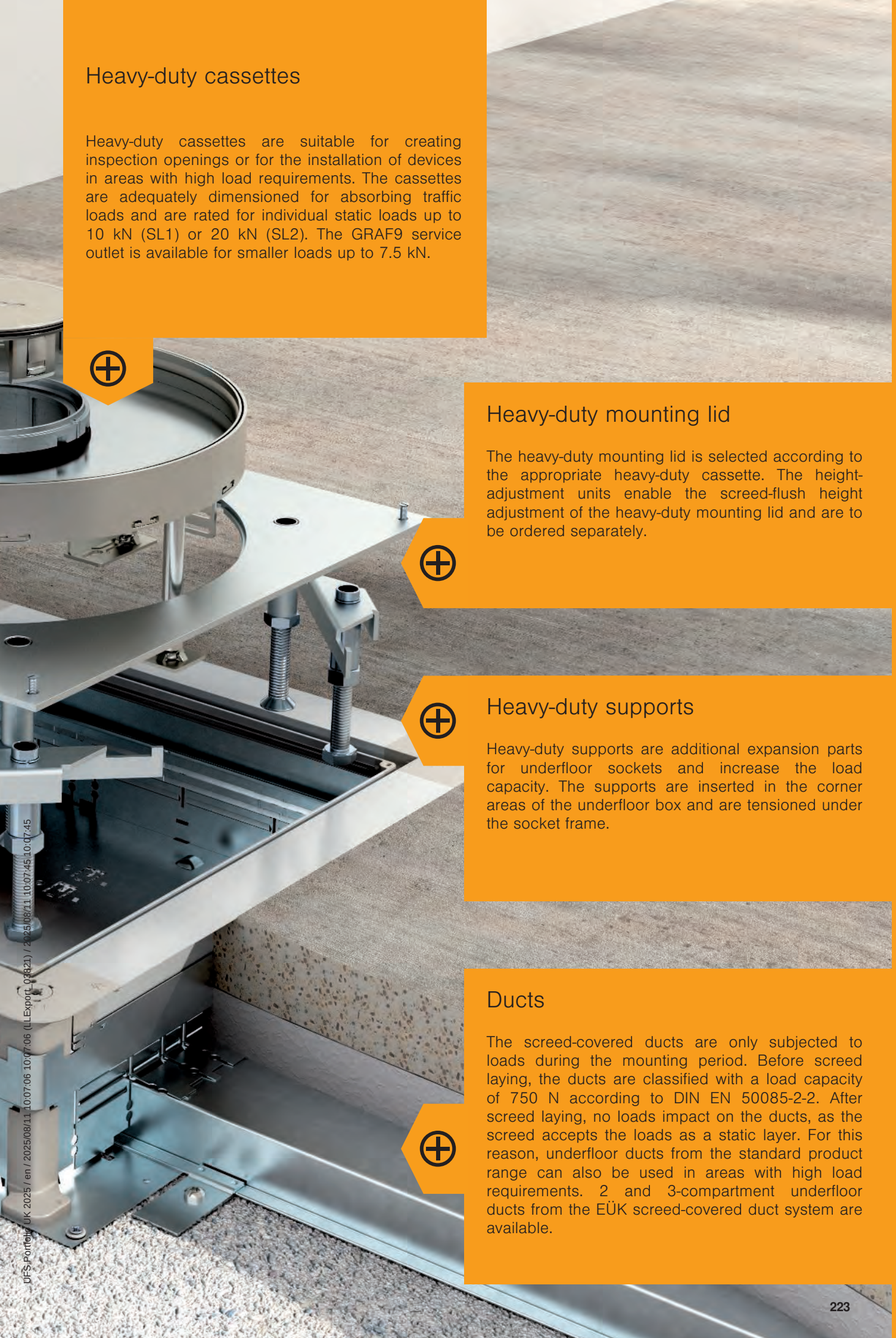
Underfloor junction and branch box

The underfloor sockets of the nominal sizes 250 and 350 must have a non-positive connection to the screed. To avoid a reduction in the load capacity and damage to the floor covering, no edge insulation strips can be laid around the underfloor junction and branch box.



Heavy-duty cassettes

Heavy-duty cassettes are suitable for creating inspection openings or for the installation of devices in areas with high load requirements. The cassettes are adequately dimensioned for absorbing traffic loads and are rated for individual static loads up to 10 kN (SL1) or 20 kN (SL2). The GRAF9 service outlet is available for smaller loads up to 7.5 kN.



Heavy-duty mounting lid

The heavy-duty mounting lid is selected according to the appropriate heavy-duty cassette. The height-adjustment units enable the screed-flush height adjustment of the heavy-duty mounting lid and are to be ordered separately.

Heavy-duty supports

Heavy-duty supports are additional expansion parts for underfloor sockets and increase the load capacity. The supports are inserted in the corner areas of the underfloor box and are tensioned under the socket frame.

Ducts

The screed-covered ducts are only subjected to loads during the mounting period. Before screed laying, the ducts are classified with a load capacity of 750 N according to DIN EN 50085-2-2. After screed laying, no loads impact on the ducts, as the screed accepts the loads as a static layer. For this reason, underfloor ducts from the standard product range can also be used in areas with high load requirements. 2 and 3-compartment underfloor ducts from the EÜK screed-covered duct system are available.

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Overview of the heavy-duty systems



Load capacity

7.5 kN

Device installation units

Selection according to

- Load requirement
- Floor covering thickness
- Functional method
- Installation capacity

Cassettes for cable outlets and inspection purposes protect the electrical installation in the floor against water penetration. All heavy-duty solutions guarantee moisture protection according to DIN EN 50085-2-2 and are therefore approved for wet-cleaned floors indoors.



Service outlet

Heavy-duty mounting lid

Selection according to

- The shape of the selected service outlet or the cassette (nominal size)
- Screed height

With heavy-duty frame cassettes, a mounting set, not a mounting lid, must be used for the installation of installation devices.



Heavy-duty mounting lid

Height-adjustment units

Selection according to

- Screed height



Height-adjustment units

Heavy-duty supports for underfloor socket

Selection according to

- Screed height

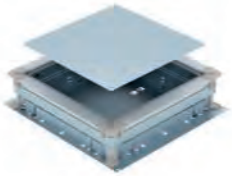


Heavy-duty support

Underfloor socket (UZD)

Selection according to

- Screed height
- Shape of the cassette and the heavy-duty mounting lid
- Duct width



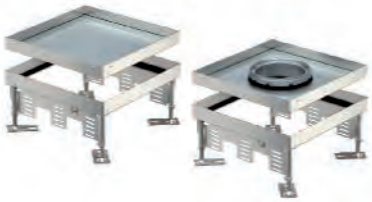
Underfloor socket, nominal size 350

Ducts

Selection according to

- Cable volume

10 kN SL1



Square heavy-duty cassettes



Heavy-duty mounting lid



Height-adjustment units

20 kN SL2



Round heavy-duty cassettes

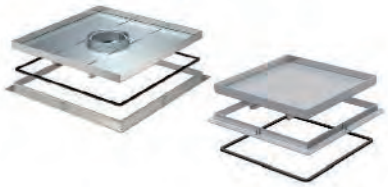


Heavy-duty mounting lid

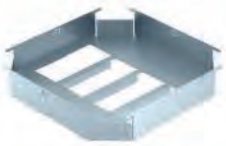


Height-adjustment units

10 kN SL1 | 20 kN SL2



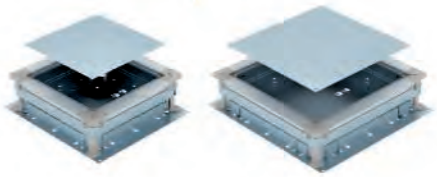
Heavy-duty frame cassettes



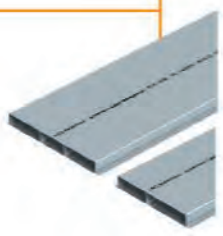
Mounting set



Heavy-duty support



Underfloor socket, nominal size 250 and 350



Trunking in various widths, 2-compartment and 3-compartment

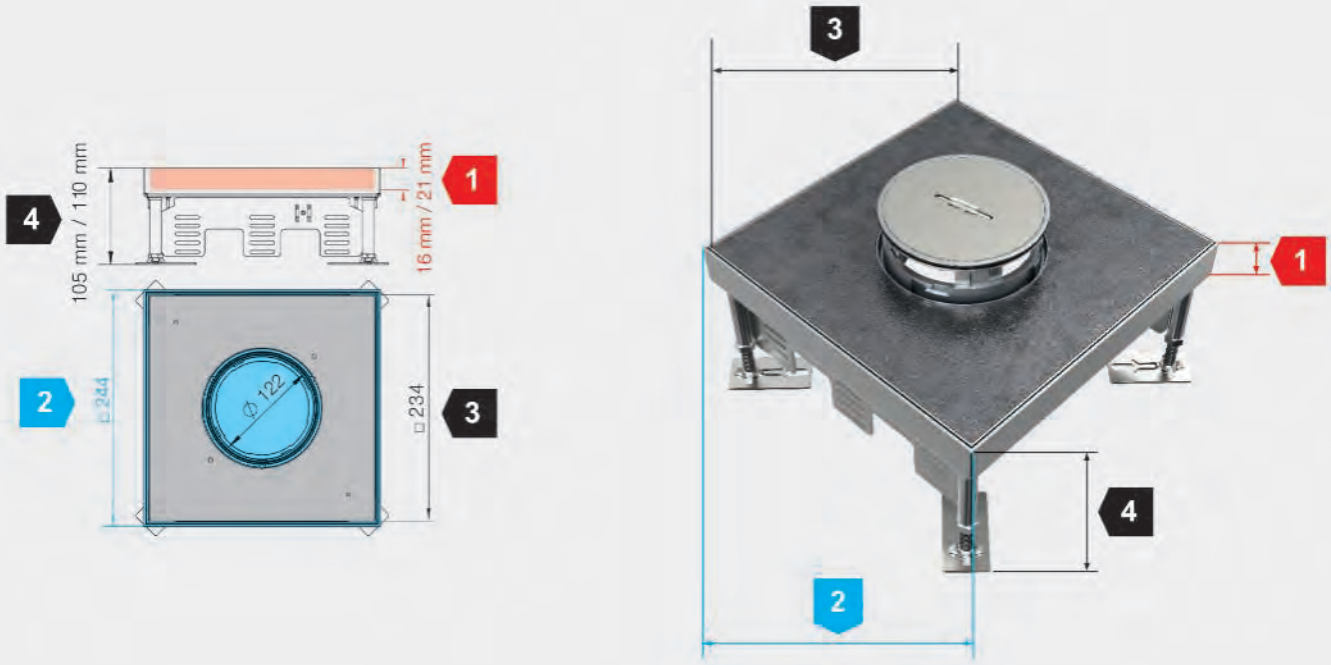


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Installation and floor cut-out dimensions



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.

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.

2

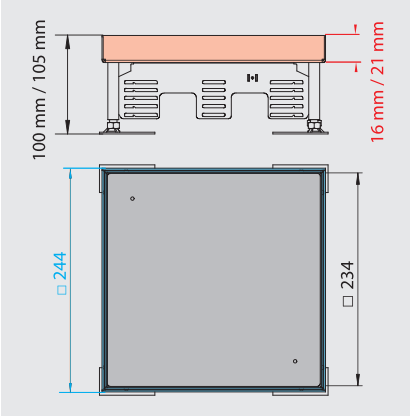
Floor cut-out for the installation of cassettes (blue dimensions)
The dimensions for the floor cut-out should be considered as target dimensions for correct installation of the cassette in the floor. They are only generally required for the floor cut-out in system floors. The EÜK screed-covered duct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

4

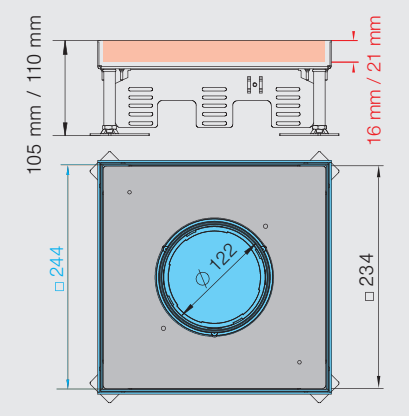
Minimum floor structure height (raw concrete ceiling to finished floor)
The dimension describes the minimum floor structure height from the raw concrete ceiling to the top edge of the finished floor. It guarantees correct installation and use of installation devices, such as sockets, data and multimedia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

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System dimensions, height-adjustable square cassettes

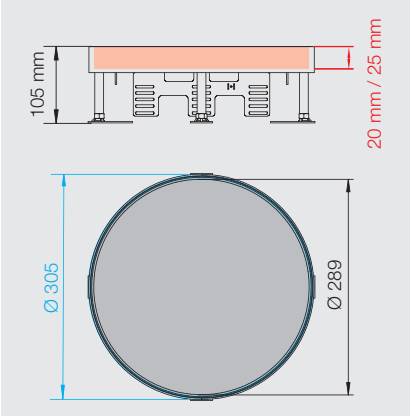


Nominal size 9, type RKN2 9

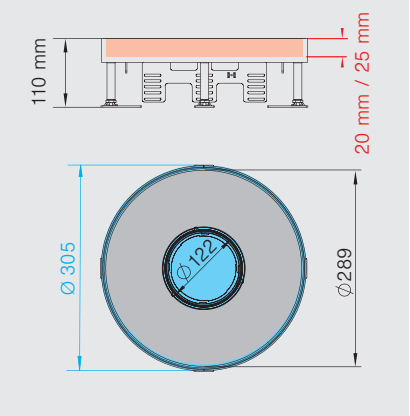


Nominal size 9, type RKFN 2 9

System dimensions, height-adjustable round cassettes

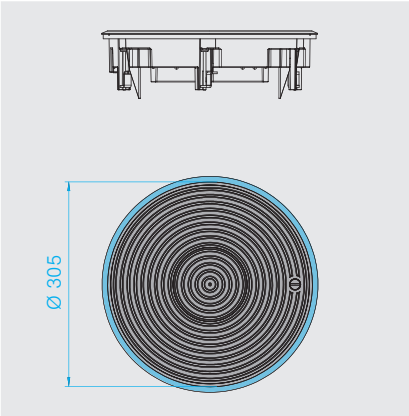


Nominal size R9, type RKR2 and RKRN2



Nominal size R9, type RKFR2 and RKFRN2

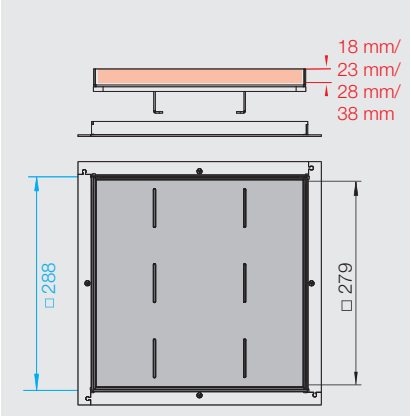
System dimensions, round service outlet



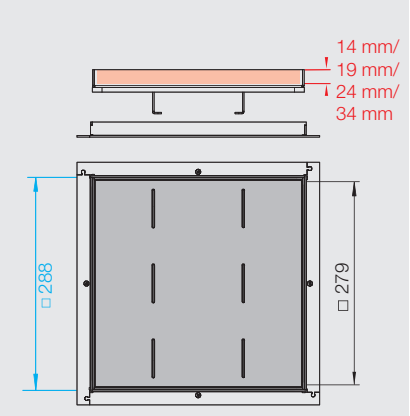
Nominal size R9, type GRAF9-2

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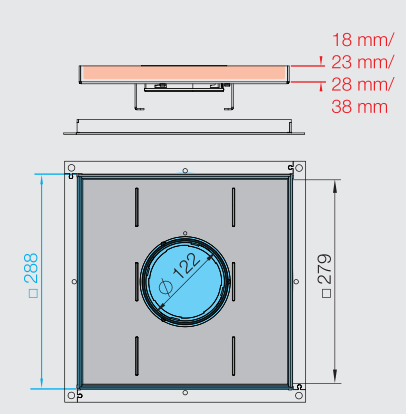
System dimensions, frame cassettes



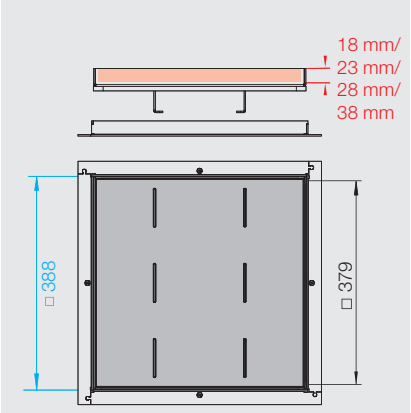
Nominal size 250-3, type RK SL1



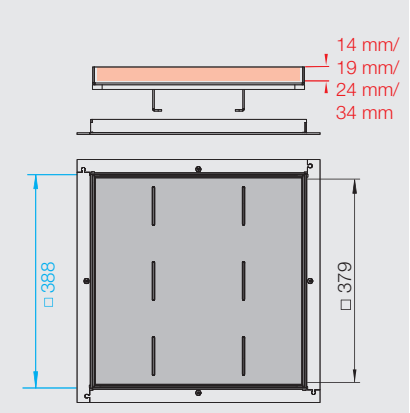
Nominal size 250-3, type RK SL2



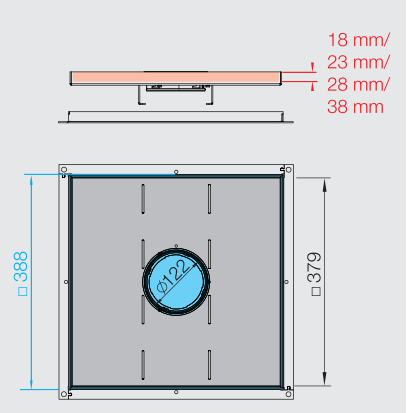
Nominal size 250-3, type RKF SL1



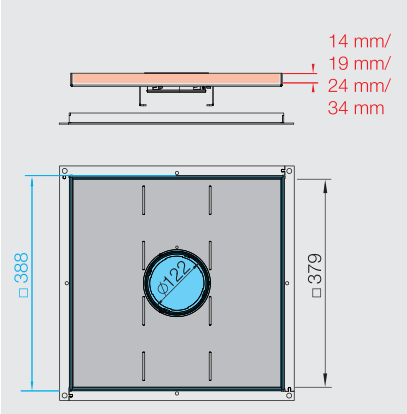
Nominal size 350-3, type RK SL1



Nominal size 350-3, type RK SL2



Nominal size 350-3, type RKF SL1



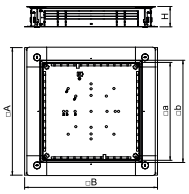
Nominal size 350-3, type RKF SL2

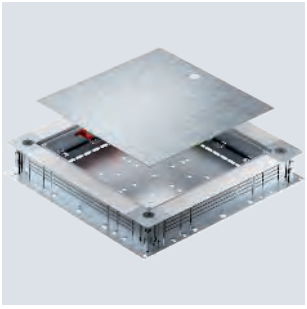
St FS

UZD350-4 junction and branch box

Type	Dim. A mm	Dim. B mm	Dim. a mm	Dim. b mm	Duct height mm	Screed height mm	Min. ordering quantity Piece		Item no.
UZD350-4	480	500	362	383	28-58	80-160	1		**7410023**

Junction and branch box for screed-covered underfloor installation duct with sheet steel side walls. For mounting of installation units in the mounting cover (to be ordered separately). Can be infinitely adjusted to a nominal screed height of 80–160 mm using the quick height-adjustment unit. The screed can be worked up to be flush with the screed draw-off edge. With noise decoupling option after screed laying and can also be used with system accessories for heavy-duty applications. Insertion of cables with the 2-part EÜK duct.



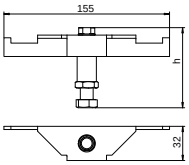


St FS

DSSL heavy-duty support

Type	Screed height mm	Min. ordering quantity PU		Item no.
DSSL2 75	75-110	1		**7410581**
DSSL2 105	105-140	1		**7410583**
DSSL2 135	135-170	1		**7410585**
DSSL2 165	165-200	1		**7410587**
DSSL2 195	195-230	1		**7410589**

The heavy-duty supports reinforce the corner areas of the type UZD-3 underfloor box for increased load requirements.



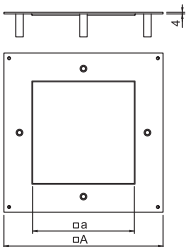


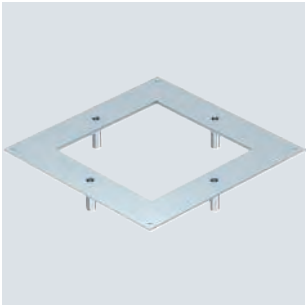
St FS

Heavy-duty mounting lid for 350, nominal size 9

Type	Dim. A mm	Dim. a mm	Min. ordering quantity Piece		Item no.
DUG 350-3 9SL	383	244	1		**7401410**

The heavy-duty mounting lid for the type UZD350 underfloor box is suitable for installation in a square heavy-duty cassette of nominal size 9. The installation opening is recessed by 3 mm and can be closed subsequently by a lid blanking plate.



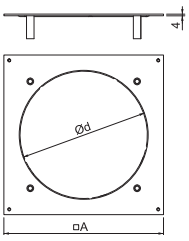


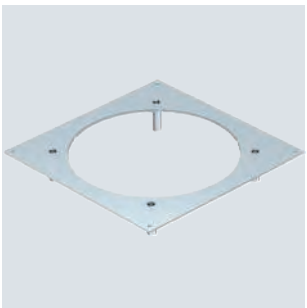
St FS

Heavy-duty mounting lid for 350, nominal size R9

Type	Dim. A mm	Dim. d Ø mm	Min. ordering quantity Piece		Item no.
DUG 350-3 R9SL	383	305	1		**7401416**

The heavy-duty mounting lid for the UZD350 underfloor box is suitable for the installation of a round heavy-duty cassette of nominal size R9. The installation opening is recessed by 3 mm and can be closed subsequently by a lid blanking plate.



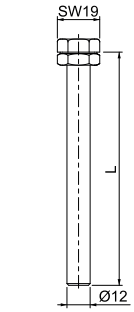


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Height adjustment unit for heavy-duty mounting lid

St G





Type	Screed height mm	Dim. L mm	Min. ordering quantity PU	Item no.
DUG SL105	105-140	90	1	**7409682**
DUG SL135	135-170	120	1	**7409684**

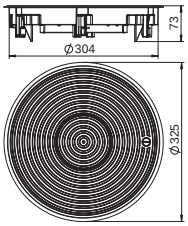
The height adjustment units rated for increased load requirements permit the screed-flush height adjustment of the heavy-duty mounting lid and are to be ordered separately.

The VPE consists of four height adjustment units.

GRAF9 universal service outlet, wet-cleaned with structured lid

AIG





Type	Colour	Min. ordering quantity Piece	Item no.
GRAF9-2 U 7011	Iron grey	1	**7405746**
GRAF9-2 U 9011	Graphite black	1	**7405750**

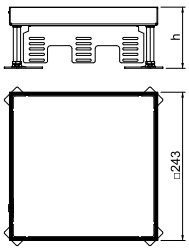
Service outlet with tube body for wet-cleaned floors for up to 12 individual Modul 45 devices in 3 UT4 universal supports, use in duct and trunking systems and system floors indoors.

Up to 9 installation devices can be used with a 50 mm central plate.

Height-adjustable heavy-duty cassette, blank, RKNSL, nominal size 9, stainless steel

A2 IP 55





Type	Dim. h mm	Floor covering thickness mm	Floor height mm	Material	Min. ordering quantity Piece	Item no.
RKN3 9 V SL1 16	105	16	105-150	A2	1	**7408932**
RKN3 9 V SL1 21	110	21	110-155	A2	1	**7408934**

"Blank" height-adjustable cassette of nominal size 9 for the creation of an inspection opening. Installation in duct systems, raised and cavity floors in interior dry or wet-care floors. Load class 1 to 10 kN. Only suitable for smooth floor coverings.

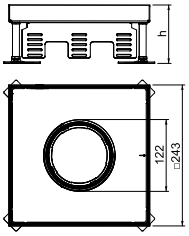
Always indicate the item number when ordering.

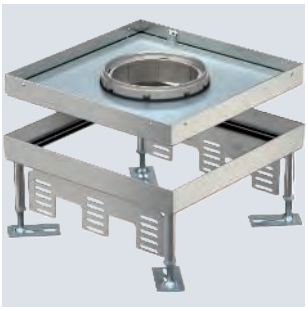
A2

IP 55

Height-adjustable heavy-duty cassette for tube body RKFNSL, nominal size 9, stainless steel

Type	Dim. h mm	Floor covering thickness mm	Floor height mm	Material	Min. ordering quantity Piece		Item no.
RKFN3 9 V SL1 16	105	16	105-150	A2	1		**7408938**
RKFN3 9 V SL1 21	110	21	110-155	A2	1		**7408940**

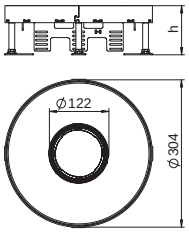


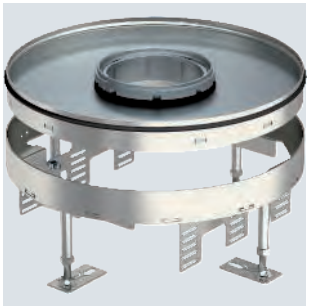


A2

Height-adjustable heavy-duty cassette for tube body RKFRSL, nominal size R9, stainless steel

Type	Dim. h mm	Floor covering thickness mm	Floor height mm	Material	Min. ordering quantity Piece		Item no.
RKFR2 9 SL2V2 20	110	20	110-155	A2	1		**7409470**
RKFR2 9 SL2V2 25	114	25	114-159	A2	1		**7409472**

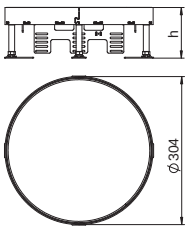


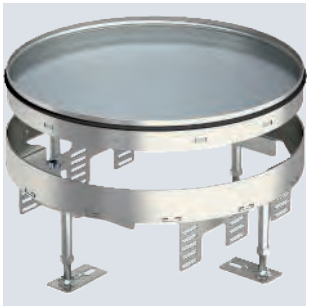


A2

Height-adjustable heavy-duty cassette, blank, RKRSL, nominal size R9, stainless steel

Type	Dim. h mm	Floor covering thickness mm	Floor height mm	Material	Min. ordering quantity Piece		Item no.
RKR2 9SL2 V2 20	105	20	105-155	A2	1		**7409112**
RKR2 9SL2 V2 25	109	25	109-159	A2	1		**7409114**



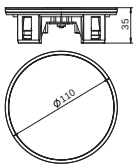


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Tube body with cover plate, without handle clamp, for frame cassette and height-adjustable cassette

Zn N





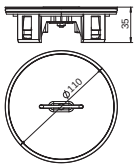
Type	Min. ordering quantity Piece	Item no.
TUK2 V	1	7428141

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover made of V2A.

Tube body with cover plate, with handle clamp, for frame cassette and height-adjustable cassette

Zn N



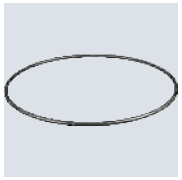


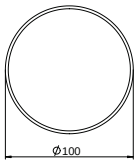
Type	Min. ordering quantity Piece	Item no.
TUK2 GV	1	7428140

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover and handle made of V2A.

Round seal for tube body

EPDM





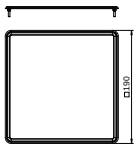
Type	Min. ordering quantity Piece	Item no.
RD2 TUK2	1	7407098

Round seal for tube body TUK2 - spare part.

Flat seal for square height-adjustable cassette, nominal size (spare part)

EPDM



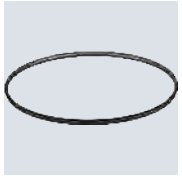


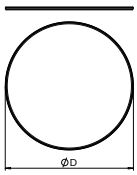
Type	Dim. L mm	Min. ordering quantity Piece	Item no.
FD 9 QNK2	233	1	7407109

Flat seal for height-adjustable square cassettes RKN2 and RKFN2 of nominal sizes 4 and 9.

Round seal for height-adjustable round cassette (spare part)

EPDM





Type	Dim. D mm	Min. ordering quantity Piece	Item no.
RD R9 NK2	304	1	7407075

Round seal for height-adjustable round cassettes RKR2 and RKFR2 of nominal sizes R4, R7 and R9.

Always indicate the item number when ordering.

PTFE

Care agent for cassette seal and tube body seal

Type	Min. ordering quantity Piece	Item no.
PF-G	1	7407110



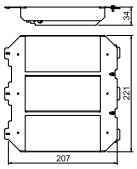
Cleaning agent for round seals RD2, flat seals FD2 QNK and tube body seal RD2TUK2.

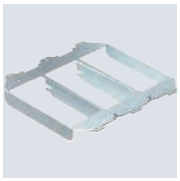
Installation accessories for device installation units of nominal size R7, 9, R9

St FS

Mounting support, nominal size 9 and R9, for APMT5 cover plates

Type	Min. ordering quantity Piece	Item no.
MT 9R9 AP 5	1	7407756



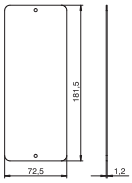


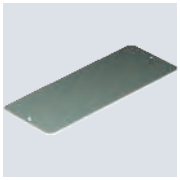
Mounting support for accepting three APMT5 cover plates, which aid the installation of accessories in installation units of nominal size 9.

St FSO

Cover plate APMT5/0

Type	Colour	Min. ordering quantity Piece	Item no.
AP MT5 0	Grey-white	20	7406904



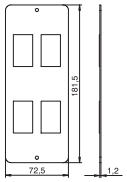


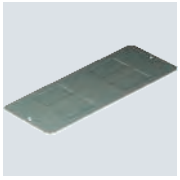
For blanking locking on an unused compartment in an MT mounting support.
L = 181.5 mm.

St FSO

Cover plate APMT5/1

Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 1	Grey-white	181.5	20	7406908





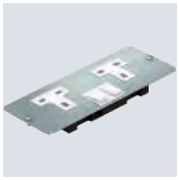
Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 181.5 mm.

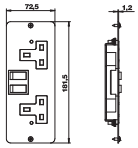
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Installation accessories for device installation units of nominal size R7, 9, R9

Cover plate APMT5 with double socket

St FSO





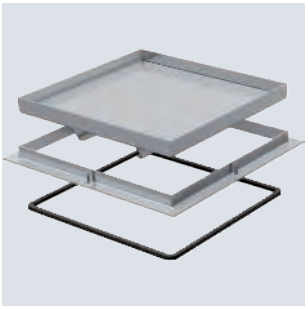
Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 BS 2SS0	Grey-white	181.5	4	**7407870**

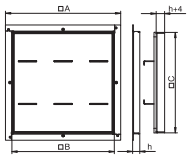
Cover plate with a switched double socket for installation in mounting supports beneath GES service outlets and cassettes. Socket with increased contact protection with screw connection, 3-pole, 13 A, 250 V~, corresponds to BS 1363.

Frame cassettes, blank

Heavy-duty frame cassette, blank, RKSL, nominal size 350-3

A2

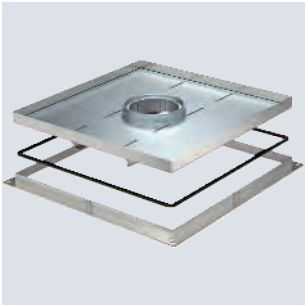


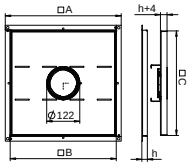


Type	Dim. A mm	Dim. B mm	Dim. C mm	Dim. h mm	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
RK SL2 V3 25	424	388	382	25	19	1	**7405956**
RK SL2 V3 30	424	388	382	30	24	1	**7405960**

Heavy-duty frame cassette for tube body, RKFSL, nominal size 350-3

A2





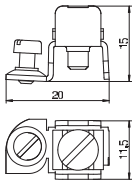
Type	Dim. A mm	Dim. B mm	Dim. C mm	Dim. h mm	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
RKF2 SL2 V3 25	424	388	382	25	19	1	**7409544**
RKF2 SL2 V3 30	424	388	382	30	24	1	**7409546**

Always indicate the item number when ordering.

St G

Protective conductor connection bracket

Type	Min. ordering quantity Piece	Item no.
8AWR	10	**6288704**





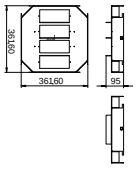
Protective conductor connection bracket to include steel and aluminium device installation trunking, service poles and system components of underfloor duct systems in the protective measure.
Clamping area: 2 x 1.5–4 mm²

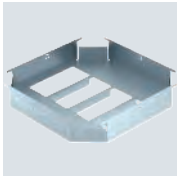
If there is a fault, metallic parts will carry voltage. Tighten the contact screw with at least 1.2 Nm or ensure the contact with mechanical work.

St FS

Mounting support for UZD350-2

Type	Min. ordering quantity Piece	Item no.
MT350-3 3BSRKFSL	1	**7407733**



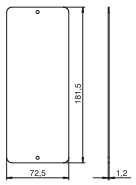


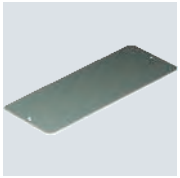
Mounting support for receiving four APMT5 cover plates, which aid the installation of accessories of British Standard design beneath frame cassettes in the UZD350-3 underfloor junction and branch box.

St FSO

Cover plate APMT5/0

Type	Colour	Min. ordering quantity Piece	Item no.
AP MT5 0	Grey-white	20	**7406904**



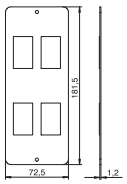


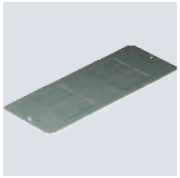
For blanking locking on an unused compartment in an MT mounting support.
L = 181.5 mm.

St FSO

Cover plate APMT5/1

Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 1	Grey-white	181.5	20	**7406908**





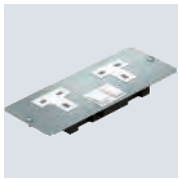
Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 181.5 mm.

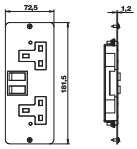
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Frame cassettes, blank

Cover plate APMT5 with double socket

St FSO





Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 BS 2SS0	Grey-white	181.5	4	**7407870**

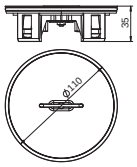
Cover plate with a switched double socket for installation in mounting supports beneath GES service outlets and cassettes. Socket with increased contact protection with screw connection, 3-pole, 13 A, 250 V~, corresponds to BS 1363.

Tube body

Tube body with cover plate, with handle clamp, for frame cassette and height-adjustable cassette

Zn N





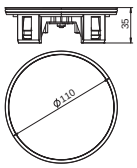
Type	Min. ordering quantity Piece	Item no.
TUK2 GV	1	**7428140**

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover and handle made of V2A.

Tube body with cover plate, without handle clamp, for frame cassette and height-adjustable cassette

Zn N



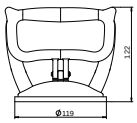


Type	Min. ordering quantity Piece	Item no.
TUK2 V	1	**7428141**

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover made of V2A.

Suction lifter, 300 N

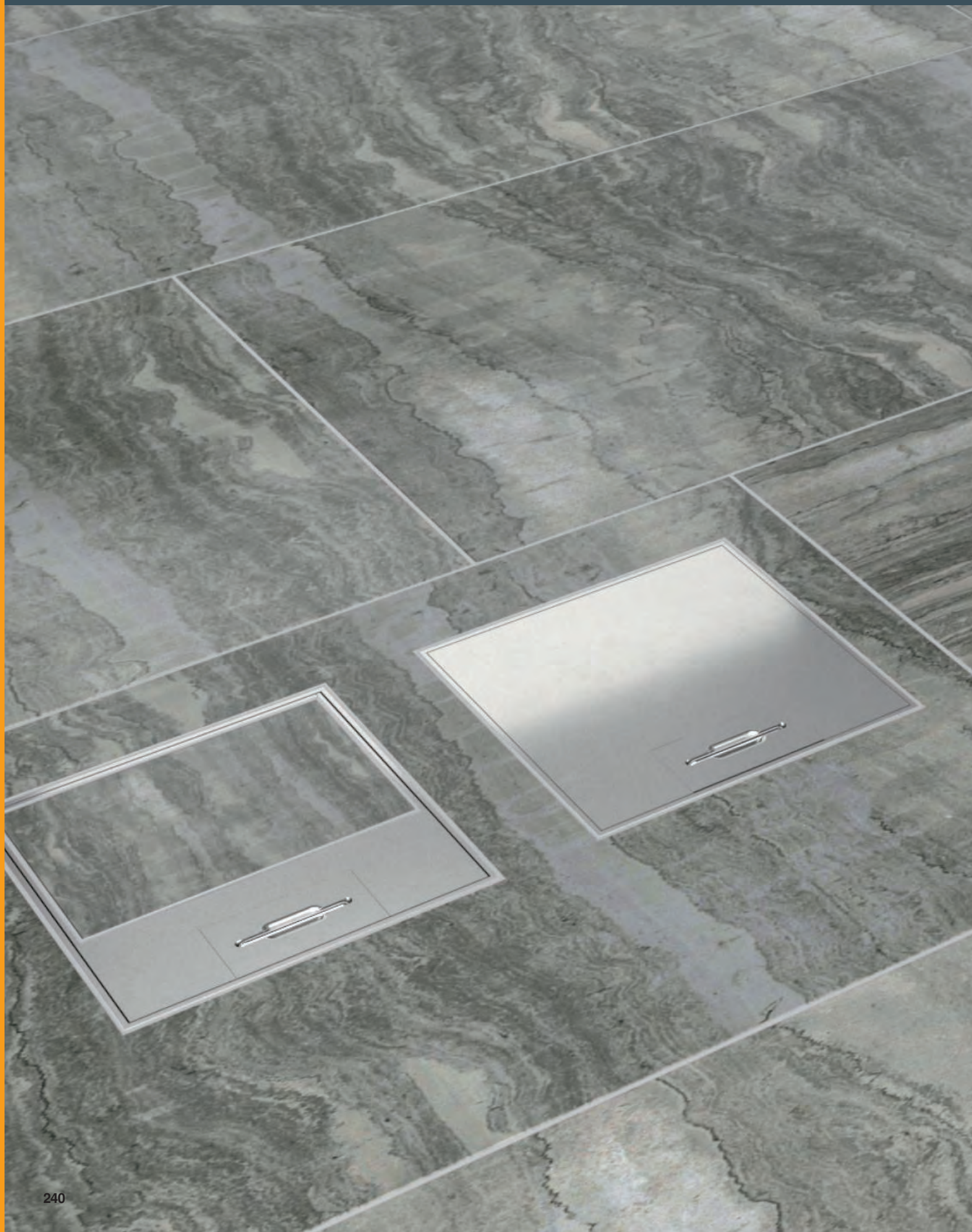




Type	Min. ordering quantity Piece	Item no.
WZ 1029	1	**7408634**

Suction lifter for lifting out trunking and cassette covers and lids. Load capacity = 300 N.

UDHOME floor sockets



Overview of the UDHOME series

Floor boxes

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.



Floor sockets

The UDHOME-ONE and UDHOME2 floor sockets, with their dimensions of 140 x 140 mm, combine both elegant appearance and functionality. These two small floor sockets are suitable for both dry and wet-care floors. Stainless steel or brass are used as materials.

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Floor structure

Thanks to their compact design, UDHOME floor sockets and floor boxes require considerably less space and are separate from other electrical installation systems in the floor.

Height adjustment to floor height

The frame of the UDHOME-ONE and UDHOME2 can be adjusted to the edge of the floor covering using four integrated height-adjustment supports. The height-adjustment range of the UDHOME-ONE is 75/85 - 105mm depending on the cover version. The height-adjustment range is always 110 - 135 mm for the UDHOME2 with tube body. A height extension can be mounted for higher floor structures – additional adjustment range: 10-60 mm.





Tested quality

In addition, OBO tests its trunking and ducts and underfloor sockets in its own BET Test Centre. Thus, special solutions can be tested for their load capacity within a very short time.



Simple infeed

The feeding in of cables is not complex at all. They are simply run in flexible conduits in the screed up to the UDHOME.

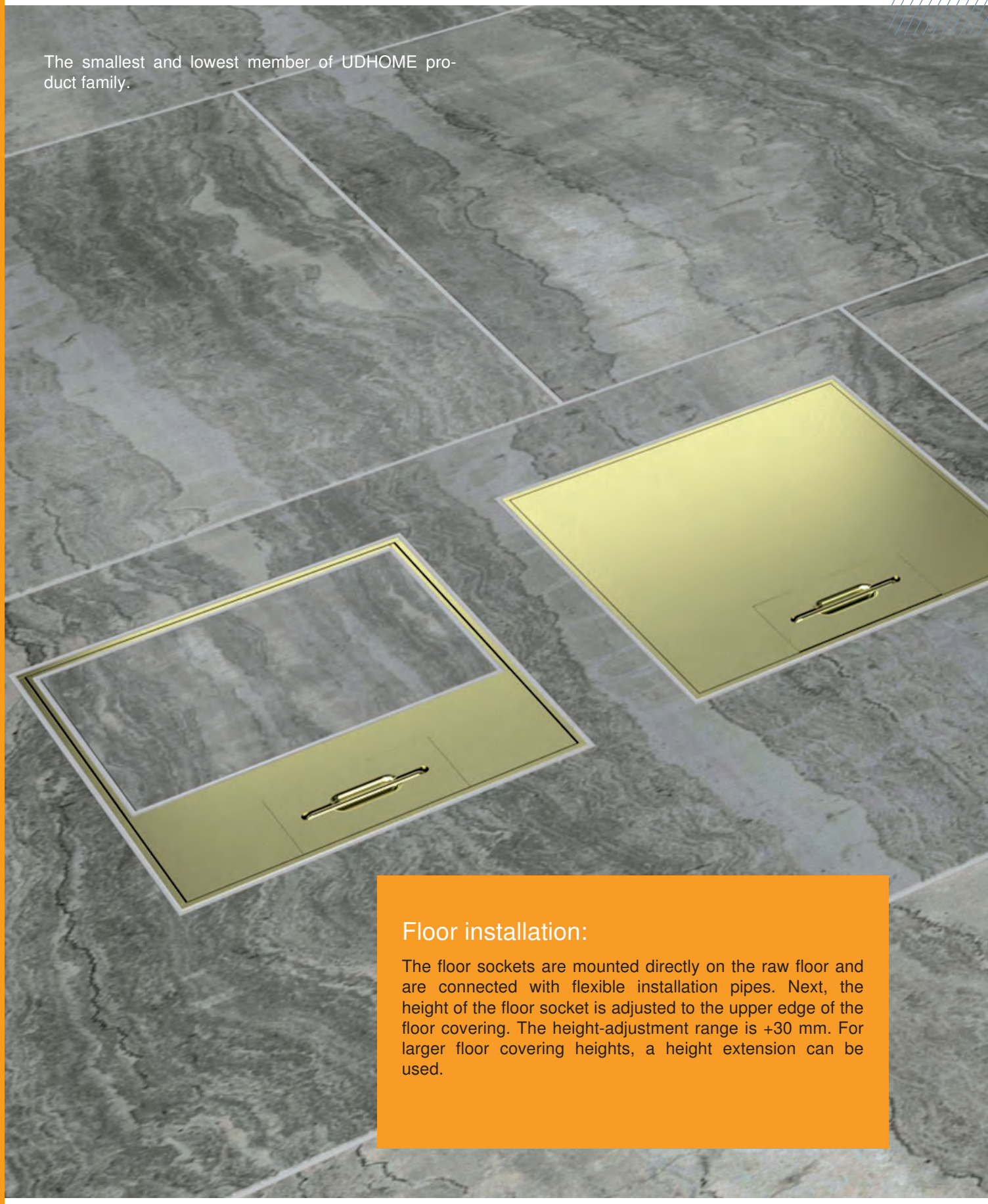




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The UDHOME-ONE floor socket

For use in low screed floor heights



The smallest and lowest member of UDHOME product family.

Floor installation:

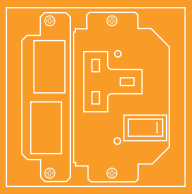
The floor sockets are mounted directly on the raw floor and are connected with flexible installation pipes. Next, the height of the floor socket is adjusted to the upper edge of the floor covering. The height-adjustment range is +30 mm. For larger floor covering heights, a height extension can be used.

The advantages at a glance:

Can be installed in low floor heights from 75 mm. Very robust design and long service life. Load capacity up to 15 kN. Integrated height-adjustment unit for flush-floor installation in any floor covering. The cover with cord outlet can be turned in any direction. Tested and certified by German association VDE. CE marked.

Device installation

The floor socket can be equipped with one British Standard socket and two data connections. The lid of the floor socket can be covered with 15 mm floor covering or ordered in a version with a decorative plate. It is suitable for dry-cleaned and cut-resistant floor coverings.



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UDHOME2 floor socket

Small but perfect

The UDHOME2 floor socket is available with a decorative cover and floor covering recess in stainless steel or brass. With its protection rating of IP65, the UDHOME2 floor socket with tube body and stainless steel cover is even suitable for use in wet-cleaned floors.



Tube body

The UDHOME variant with tube body comes with an access protection. To open it, the complete cover has to be pulled up in a first step. After the tube body is inserted, just turn the body slightly left with a rotation of 45° to securely lock it.



Device installation

The UDHOME 2 is delivered unequipped. Up to two Modul 45 devices or one switched BS socket and two data sockets can be installed.

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The UDHOME4 floor box

For a wide range of equipment



Device installation

The UDHOME4 is designed for two compartments. It can be equipped with a maximum of two British Standard double sockets.



Height adjustment

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

Design

The UDHOME4 can fit neatly into high-quality interior architecture. All you can see is a slender metal edge and the cord outlet. The floor box is available in stainless steel or brass versions.

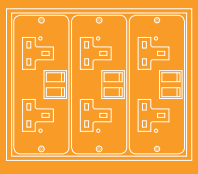
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The UDHOME9 floor box

A beautiful figure with powerful connections

Device installation

The UDHOME9 is designed for three compartments. It can be equipped with a maximum of three British Standard double sockets.



Changeable

The UDHOME9 is available in stainless steel and brass versions.



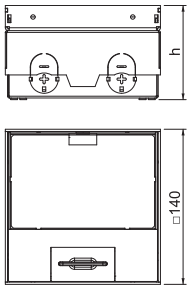
Installed

The UDHOME9 is the largest floor box of the UDHOME family. It combines restrained design with a wide range of use options.

UDHOME-ONE floor socket, with floor covering recess, BS socket, stainless steel

A2





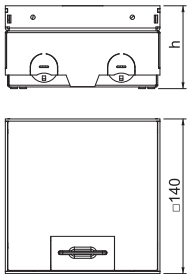
Type	Floor height mm	Floor covering thickness mm	Min. ordering quantity Piece		Item no.
UDHOME-ONE V15BS	85-105	15	1		**7368307**

Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 85 mm, the height adjustment range +20 mm. Frame and cover made of stainless steel and visible in the floor covering. Cover with floor covering recess. The delivery includes a switched BS socket.

UDHOME-ONE floor socket, without floor covering recess, BS socket, stainless steel

A2





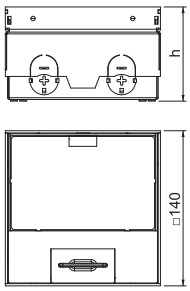
Type	Min. ordering quantity Piece	Floor height mm		Item no.
UDHOME-ONE V BS	1	75-105		**7368306**

Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range +30 mm. Frame and cover made of stainless steel and visible in the floor covering. Cover with decorative plate. The delivery includes a switched BS socket.

UDHOME-ONE floor socket, with floor covering recess, BS socket, brass

CuZn 37





Type	Floor height mm	Floor covering thickness mm	Min. ordering quantity Piece		Item no.
UDHOME-ONE M15BS	85-105	15	1		**7368310**

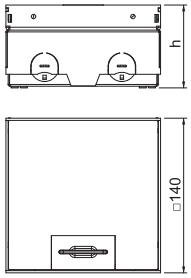
Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 85 mm, the height adjustment range +20 mm. Frame and cover made of stainless steel and visible in the floor covering. Cover with floor covering recess. The delivery includes a switched BS socket.

CuZn 37

UDHOME-ONE floor socket, without floor covering recess, BS socket, brass

Type	Min. ordering quantity Piece	Floor height mm	Item no.
UDHOME-ONE M BS	1	75-105	**7368309**

Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range +30 mm. Frame and cover made of stainless steel and visible in the floor covering. Cover with decorative plate. The delivery includes a switched BS socket.

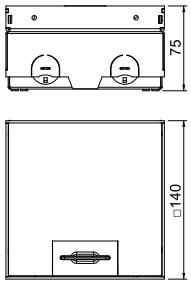




UDHOME-ONE floor socket, without floor covering recess, BS socket, decorative plate: angelhair

Type	Min. ordering quantity Piece	Dim. h mm	Floor height mm	Item no.
UDHOME-ONE V1 BS	1	–	75-105	**7368241**

Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range 30 mm. Frame and cover made of stainless steel and visible in the floor covering. Cover with Angelhair decorative plate. A switched BS socket as well as a data technology support for 2 data sockets of type LJU6C are included in the delivery.

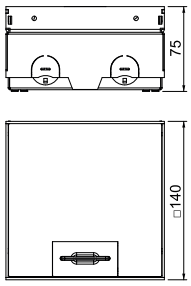




UDHOME-ONE floor socket, without floor covering recess, BS socket, decorative plate: spots

Type	Min. ordering quantity Piece	Dim. h mm	Floor height mm	Item no.
UDHOME-ONE V2 BS	1	–	75-105	**7368242**

Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range 30 mm. Frame and cover made of stainless steel and visible in the floor covering. Cover with Spots decorative plate. A switched BS socket as well as a data technology support for 2 data sockets of type LJU6C are included in the delivery.

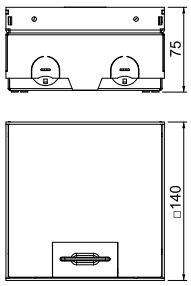




UDHOME-ONE floor socket, without floor covering recess, BS socket, decorative plate: cross hatch

Type	Min. ordering quantity Piece	Dim. h mm	Floor height mm	Item no.
UDHOME-ONE V3 BS	1	–	75-105	**7368243**

Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range 30 mm. Frame and cover made of stainless steel and visible in the floor covering. Cover with Cross hatch decorative plate. A switched BS socket as well as a data technology support for 2 data sockets of type LJU6C are included in the delivery.

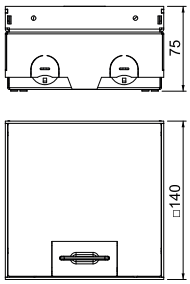




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UDHOME-ONE floor socket, without floor covering recess, BS socket, decorative plate: marygold

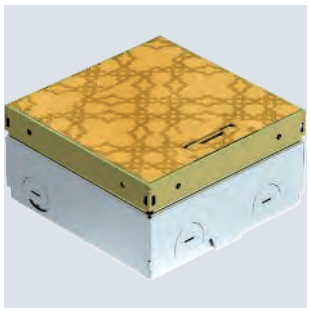


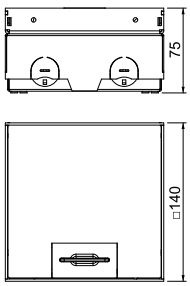


Type	Min. ordering quantity Piece	Dim. h mm	Floor height mm	Item no.
UDHOME-ONE M1 BS	1	–	75-105	**7368244**

Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range 30 mm. Frame and cover made of brass and visible in the floor covering. Cover with Marygold decorative plate. A switched BS socket as well as a data technology support for 2 data sockets of type LJU6C are included in the delivery.

UDHOME-ONE floor socket, without floor covering recess, BS socket, decorative plate: oriental



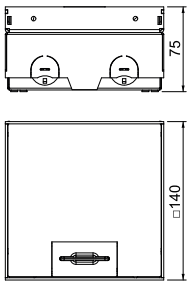


Type	Min. ordering quantity Piece	Dim. h mm	Floor height mm	Item no.
UDHOME-ONE M2 BS	1	–	75-105	**7368245**

Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range 30 mm. Frame and cover made of brass and visible in the floor covering. Cover with Oriental decorative plate. A switched BS socket as well as a data technology support for 2 data sockets of type LJU6C are included in the delivery.

UDHOME-ONE floor socket, without floor covering recess, BS socket, decorative plate: hammer blow





Type	Min. ordering quantity Piece	Dim. h mm	Floor height mm	Item no.
UDHOME-ONE M3 BS	1	–	75-105	**7368246**

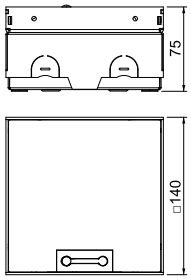
Square floor socket for use in dry-care systems and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range 30 mm. Frame and cover made of brass and visible in the floor covering. Cover with Hammer blow decorative plate. A switched BS socket as well as a data technology support for 2 data sockets of type LJU6C are included in the delivery.

A2 2B

Floor socket UDHOME-ONE, with brush outlet, without floor covering recess, unequipped, stainless steel

Type	Floor height mm	Min. ordering quantity Piece	Item no.
UDHOME-ONE BN	75-105	1	**7368356**

Square floor socket for the use in dry-cleaned system and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to the upper edge of the floor covering with 4 height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range is +30 mm. Frame and stainless steel cover visible in the floor covering. Cover with decorative plate and brush outlet for routing cables. Empty housing for one Modul 45® installation device and one data socket. Closed with a blind plate when delivered.



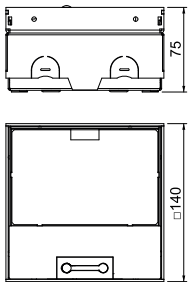


A2 2B

Floor socket UDHOME-ONE, with brush outlet, with floor covering recess, unequipped, stainless steel

Type	Floor height mm	Min. ordering quantity Piece	Item no.
UDHOME-ONE BN15	75-105	1	**7368357**

Square floor socket for use in dry-cleaned system and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M20/M25). Cover adjustable to the upper edge of the floor covering with 4 height-adjustment supports. The minimum installation depth is 75 mm, the height-adjustment range is +30 mm. Frame and stainless steel cover visible in the floor covering. Cover with floor covering recess and brush outlet for routing cables. Empty housing for one Modul 45® installation device and one data socket. The data technology support for the data socket is to be ordered separately. The space is closed with a blind plate when delivered.



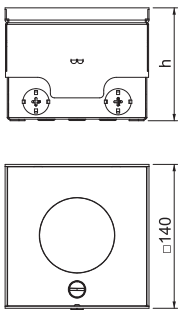


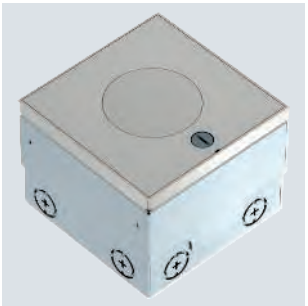
A2

UDHOME2 floor socket, with tube body, unequipped, stainless steel

Type	Floor height mm	Min. ordering quantity Piece	Item no.
UDHOME2 VT2	110-135	1	**7427097**

Square installation unit for use in dry and wet-cleaned cavity and screed floors. 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 110 mm, the height-adjustment range +25 mm.
Up to two Modul45® sockets can be installed. Up to two modular data sockets (Keystones) can be installed with optional mounting supports.

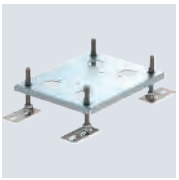


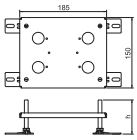


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Height extension for UDHOME-ONE/UDHOME2 floor socket

St





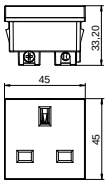
Type	Min. ordering quantity Piece	Item no.
HE 60UH2	1	7368418

Height-adjustable extension for UDHOME-ONE/UDHOME2 floor socket. Load capacity up to 8 kN. Additional height-adjustment range: 10–60 mm

0° socket, British Standard, single

PC





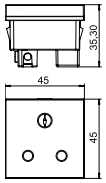
Type	Colour	Min. ordering quantity Piece	Item no.
STD-BS0 RW1	Pure white	1	6120722

Socket, single 0°, British Standard, conforms to BS 1363, with increased touch protection, with screw terminals, 2-pin, 13 A, 250 V~.

0° socket, India, 5 A, single

PC





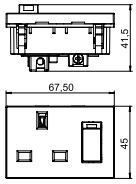
Type	Colour	Min. ordering quantity Piece	Item no.
STD-IN0 RW1	Pure white	1	6120726

Socket, single 0°, India, conforming to BS 546, with increased touch protection, with screw terminals, 2-pin, 5 A, 250 V~.

0° socket with switch, British Standard, single

PC

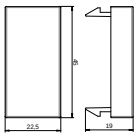




Type	Colour	Min. ordering quantity Piece	Item no.
STD-BS0G RW1.5	Pure white	1	6120724

Socket, single 0°, with switch, British Standard, conforms to BS 1363, with increased touch protection, with screw terminals, 2-pin, 13 A, 250 V~.

Blanking cover, 1/2 module



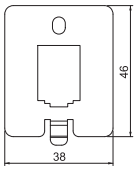
Type	Colour	Min. ordering quantity Piece	Item no.
ADP-B RW0.5	Pure white	10	6117414

Blanking cover for closing off empty spaces for a half device (1/2 module).

A2

UDHOME-ONE data technology plate, type C

Type	Min. ordering quantity Piece	Item no.
DTP UH1 C	1	7368494



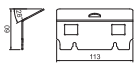


Data technology plate to accommodate one data connection module of type C: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: MKJ, UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ.
Dimensions of the mounting opening: 14.8 x 19.3 mm

A2

UDHOME2 data technology support type C

Type	Number of installable devices	Min. ordering quantity Piece	Item no.
DT UH2 C	2	1	7368474



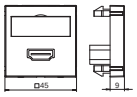


Mounting support to accommodate two data connection modules of type C: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: MKJ, UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ.
Dimensions of a mounting opening in mm: 19.30 x 14.80.

PC

HDMI connection, 1 module, straight outlet, as screw connection

Type	Colour	Min. ordering quantity Piece	Item no.
MTG-HD S RW1	Pure white	1	6104802





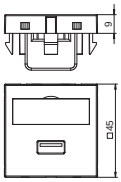
Multimedia support with one HDMI connection socket, straight cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Note: Due to the device dimensions, device installation in Rapid 45 device installation trunking and ISSR..45 / ISSD..45 service poles is not possible.

PC

USB 2.0/3.0 connection, 1 module, straight outlet, as screw connection

Type	Colour	Min. ordering quantity Piece	Item no.
MTG-U3A S RW1	Pure white	1	6104874



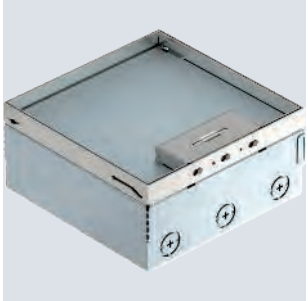


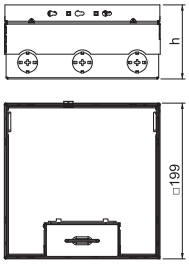
Multimedia support with one USB 3.0 connection socket, straight cable outlet, with labelling panel, USB 3.0 type A socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

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UDHOME4 floor box, freely equippable, stainless steel

A2





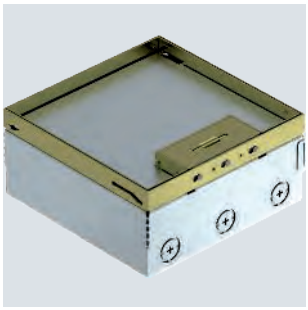
Type	Floor height mm	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
UDHOME4 2V	95-125	15	1	**7427232**

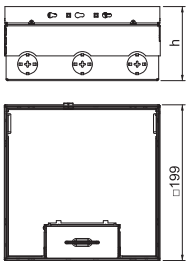
Square floor box for use in dry-cleaned cavity and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M25). Empty housing for up to 2 UT3 universal supports for up to 6 Modul 45 ® devices. Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of stainless steel.

UDHOME4 floor box, freely equippable, brass

CuZn 37





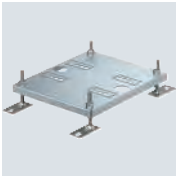
Type	Floor height mm	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
UDHOME4 2M	95-125	15	1	**7427236**

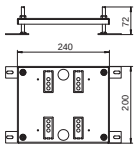
Square floor box for use in dry-cleaned cavity and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M25). Empty housing for up to 2 UT3 universal supports for up to 6 Modul 45 ® devices. Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of brass.

Height extension for UDHOME4 floor box

St FS



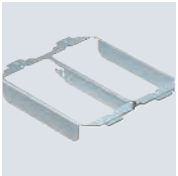


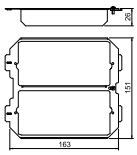
Type	Height adjustment range mm	Min. ordering quantity Piece	Item no.
HE60 UDHOME4	10-60	1	**7427440**

Height-adjustable expansion for UDHOME4 floor box.

Mounting support, nominal size 4 and R4, for APMT2 cover plates

St FS





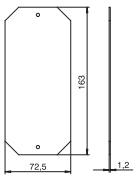
Type	Min. ordering quantity Piece	Item no.
MT 4R4 AP 2	1	**7407748**

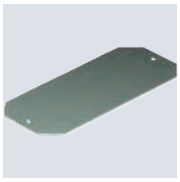
Mounting support for accepting APMT2 cover plates, which aid the installation of accessories in installation units of nominal sizes 4 and R4.

St FSO

Cover plate APMT2/0

Type	Colour	Min. ordering quantity Piece	Item no.
AP MT2 0	Grey-white	20	**7406912**



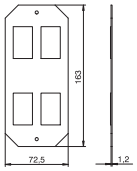


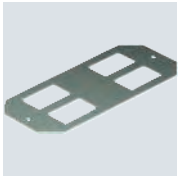
For blanking locking on an unused compartment in an MT mounting support.
L = 163 mm.

St FSO

Cover plate APMT2/1

Type	Colour	Number of square openings	Min. ordering quantity Piece	Item no.
AP MT2 1	Grey-white	4	20	**7406916**



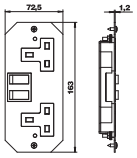


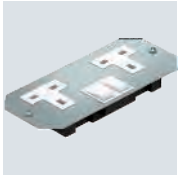
Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 163 mm.

St FSO

Cover plate APMT2 with double socket

Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT2 BS 2SS0	Grey-white	163	4	**7407872**



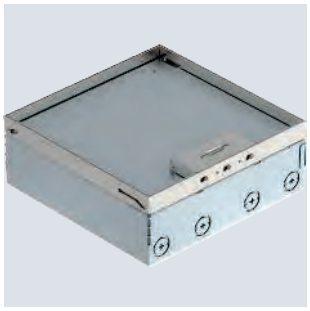


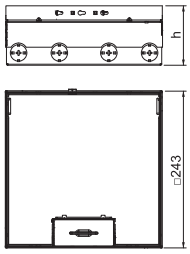
Cover plate with a switched double socket for installation in mounting supports beneath GES service outlets and cassettes.
Socket with increased contact protection with screw connection, 3-pole, 13 A, 250 V~, corresponds to BS 1363.

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UDHOME9 floor box, freely equippable, stainless steel

A2





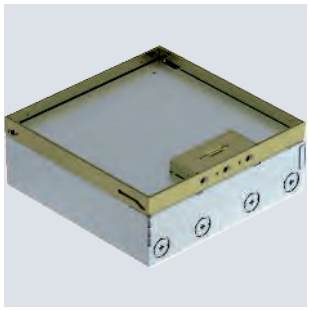
Type	Floor height mm	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
UDHOME9 2V	95-125	15	1	**7427324**

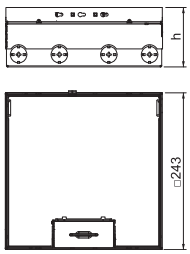
Square floor box for use in dry-cleaned cavity and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M25). Empty housing for up to three UT4 universal supports for up to 12 Modul 45 ® devices. Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of stainless steel.

UDHOME9 floor box, freely equippable, brass

CuZn 37





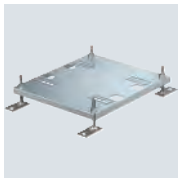
Type	Floor height mm	Floor covering thickness mm	Min. ordering quantity Piece	Item no.
UDHOME9 2M	95-125	15	1	**7427328**

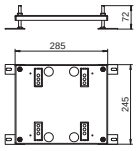
Square floor box for use in dry-cleaned cavity and screed floors in indoor areas. Installation housing with pre-marked insertion openings for pipes (M25). Empty housing for up to three UT4 universal supports for up to 12 Modul 45 ® devices. Cover adjustable to top edge of floor covering using four height-adjustment supports. The minimum installation depth is 95 mm, the height-adjustment range + 30 mm.

Surfaces visible in the floor covering made of brass.

Height extension for UDHOME9 floor box

St FS





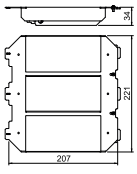
Type	Height adjustment range mm	Min. ordering quantity Piece	Item no.
HE60 UDHOME9	10-60	1	**7427444**

Height-adjustable expansion for UDHOME9 floor box.

Mounting support, nominal size 9 and R9, for APMT5 cover plates

St FS





Type	Min. ordering quantity Piece	Item no.
MT 9R9 AP 5	1	**7407756**

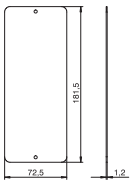
Mounting support for accepting three APMT5 cover plates, which aid the installation of accessories in installation units of nominal size 9.

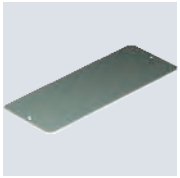
Always indicate the item number when ordering.

St FSO

Cover plate APMT5/0

Type	Colour	Min. ordering quantity Piece	Item no.
AP MT5 0	Grey-white	20	**7406904**



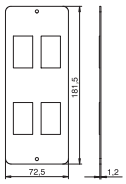


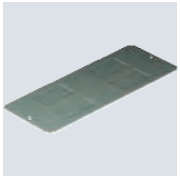
For blanking locking on an unused compartment in an MT mounting support.
L = 181.5 mm.

St FSO

Cover plate APMT5/1

Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 1	Grey-white	181.5	20	**7406908**



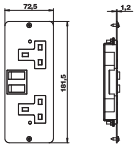


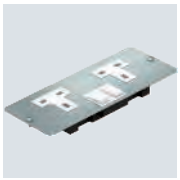
Cover plate for the installation of 4 data connection sockets of design LJU6C.
L = 181.5 mm.

St FSO

Cover plate APMT5 with double socket

Type	Colour	Length mm	Min. ordering quantity Piece	Item no.
AP MT5 BS 2SS0	Grey-white	181.5	4	**7407870**





Cover plate with a switched double socket for installation in mounting supports beneath GES service outlets and cassettes. Socket with increased contact protection with screw connection, 3-pole, 13 A, 250 V~, corresponds to BS 1363.

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Screed box and installation sockets for GES R2



A high load capacity and varied functionality

GES R2 floor sockets



The round floor sockets of the GES R2 series supply data and power exactly where they are required. Their handling is simple. The connection cables are inserted in the compact connection space, which is closed off with a cover. Depending on the cover version, the floor sockets are suitable for dry- or wet-care floors indoors.

OBO GES R2 floor sockets are an ideal underfloor solution when a discreet appearance, a high load capacity and varied functionality are required. Whether in the living room or in public areas – such as foyers, shopping centres or exhibition areas – the floor sockets stand out through their fine design and also add value to high-quality floor areas.

The installation socket of the GES R2 floor sockets is pre-equipped with two sockets. As an option, to the side of the socket there is space for up to two connection sockets for data technology applications.

The floor sockets of the GES R2 series are available in various materials. The die-cast zinc variant is surface-treated and available in the shades old copper, old brass, chrome, nickel, nickel-oxidised and deep black, and certified to IP66 (protection against dust and strong water jets) in the unused state.



- Ideally suited to wet-cleaned floors
- Withstands the highest loads
- In use around the world for decades

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Modular structure

Simple configuration, according to the area of application

The modular structure as a service outlet, installation socket and screed box allows simple configuration, according to the area of application.



Service outlet
The classic service outlet for the GES R2 floor socket is available in various designs.

Installation socket
The installation socket is available empty or pre-equipped. The pre-equipped variant contains either a double socket or a free combination of two Modul 45 individual devices.

Screed box
The height-adjustable screed box is used to accept the service outlet when the GES R2 floor socket is installed in the screed.

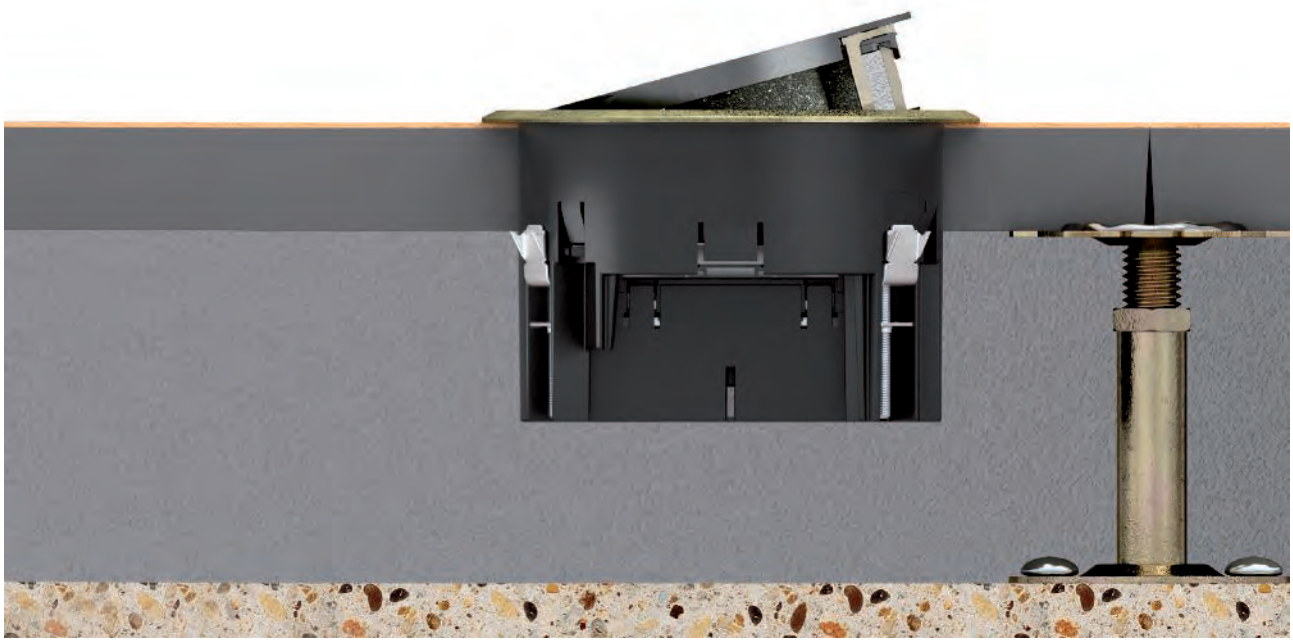


Installation in system floors

Variable
All the cover variants of the GES R2 floor socket can be inserted in raised floors or in the screed.



Installation in raised floors
The installation socket is mounted in the raised floor plate using three fastening brackets.



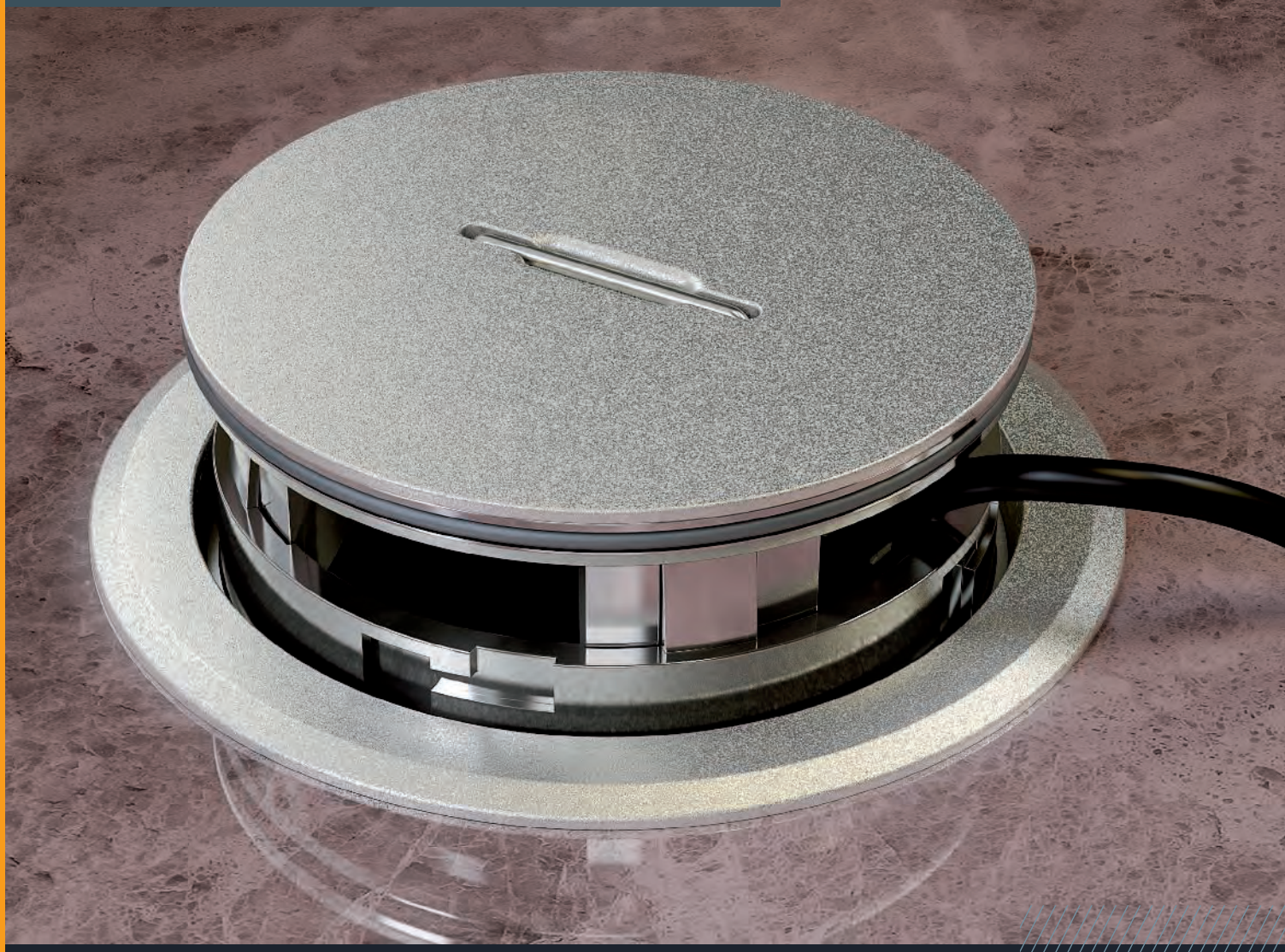
UFS Portfolio UK 2025 / en / 2025/08/11 10:07:06 10:07:06 (LLExport_03821) / 2025/08/11 10:07:45 10:07:45

GES R2 floor socket made of die-cast zinc

For wet-cleaned floors

The tube body can be operated with one hand. To open it, the handle clamp is pulled up and, after the audible engaging of the support, turned slightly left and locked.

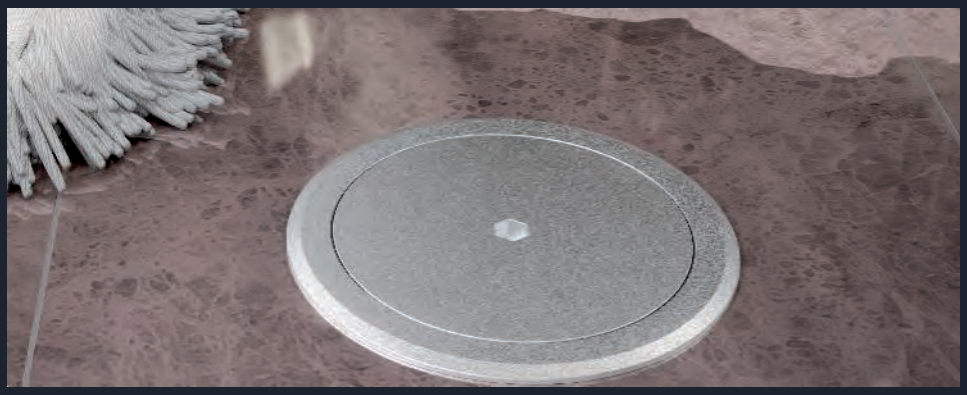
To insert the cables, it is sufficient to press two pressure points to release the cover. After the connectors have been inserted, the cover is audibly engaged on the tube body ring. The tube body cover is closed again by pressing two opposing pressure points and half lowering the cover. Then turn the tube body slightly to the right to make it flush with the floor.



IP 66



The tube body seals the closed installation space against the ingress of water, which occurs, for example, when the floor is cleaned. Even if the tube body cover is open for letting out cables, a seal in the lower ring of the installation socket offers protection against the ingress of water. The GES R2 floor socket with tube body thus fulfils the requirements for service outlets in wet-care floors according to EN 50085-2-2 and is certified to IP66 in the unused state.



Blank version with metal cover
The metal cover with bayonet lock can be opened with an Allen key.
This version is particularly suitable for public areas and for the supply of temporary installations.



Surfaces
The GES R2 floor socket with tube body stands out through its compact shape and discreet design. Six high-quality surfaces are available: old copper, old brass, chromium, nickel, nickel-oxidised and deep black.

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GES R2 floor socket made of die-cast zinc

For wet-care floors

The GES R2 floor socket with hinged cover stands out through its fine design. It is the perfect solution for high-quality floor coverings, which are dry or wet-cleaned.



Hinged cover
The locking function of the hinged cover allows a secure outlet for the cable routing. When closed, the floor socket is even suitable for wet care.



Surfaces
The version with hinged cover is available in the colours old copper, old brass, chrome, nickel, nickel-oxidised and deep black.



IP
66

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Plastic GES R2 floor socket

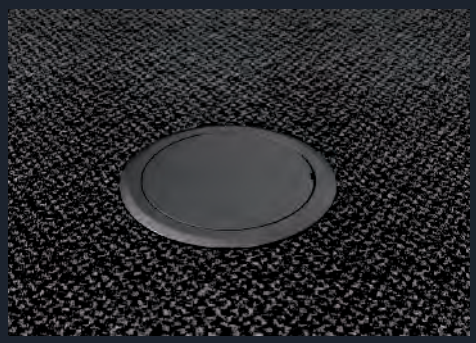
For dry-cleaned floors

The plastic GES R2 variants are particularly suitable for construction projects which use carpet as the floor covering. Typical areas of application are office and administrative buildings.









Cover versions
Two cover variants are available: The cover variant with cord outlet provides a permanent cable outlet to supply the electrical resources. The version with blanking cover, which can only be opened with a screwdriver, protects against unintentional third-party access.

Protective frame
The floor covering protection frame protects the carpet against damage and prevents wear at the cut edges of the carpet.

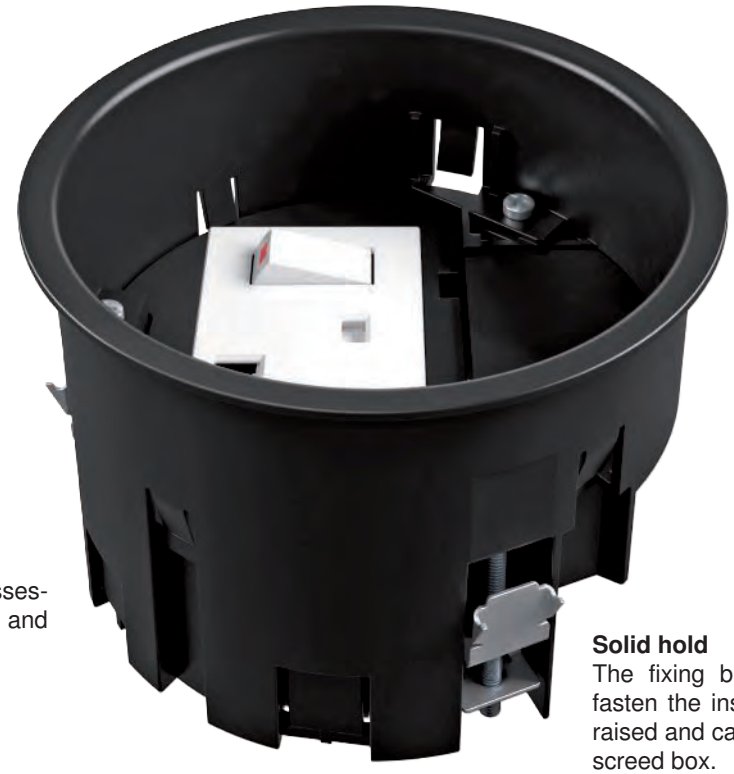


Colours
The plastic floor sockets are available in the colours iron grey or graphite black.

Installation socket for Modul 45®

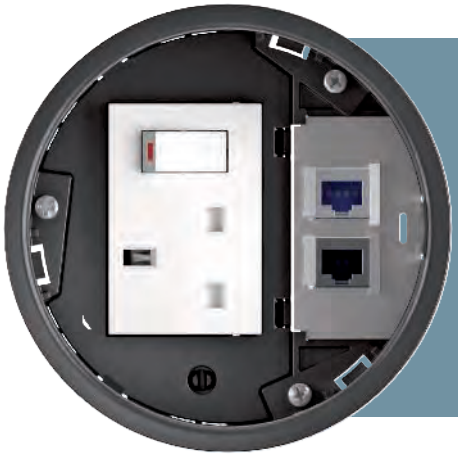
The installation socket for GES R2 service outlets accepts Modul 45® devices. After the routing of the electrical installation, the installation socket is inserted in the screed box.

Separation of different current types
The installation socket offers separate installation spaces for heavy current connections and data or multimedia connections.



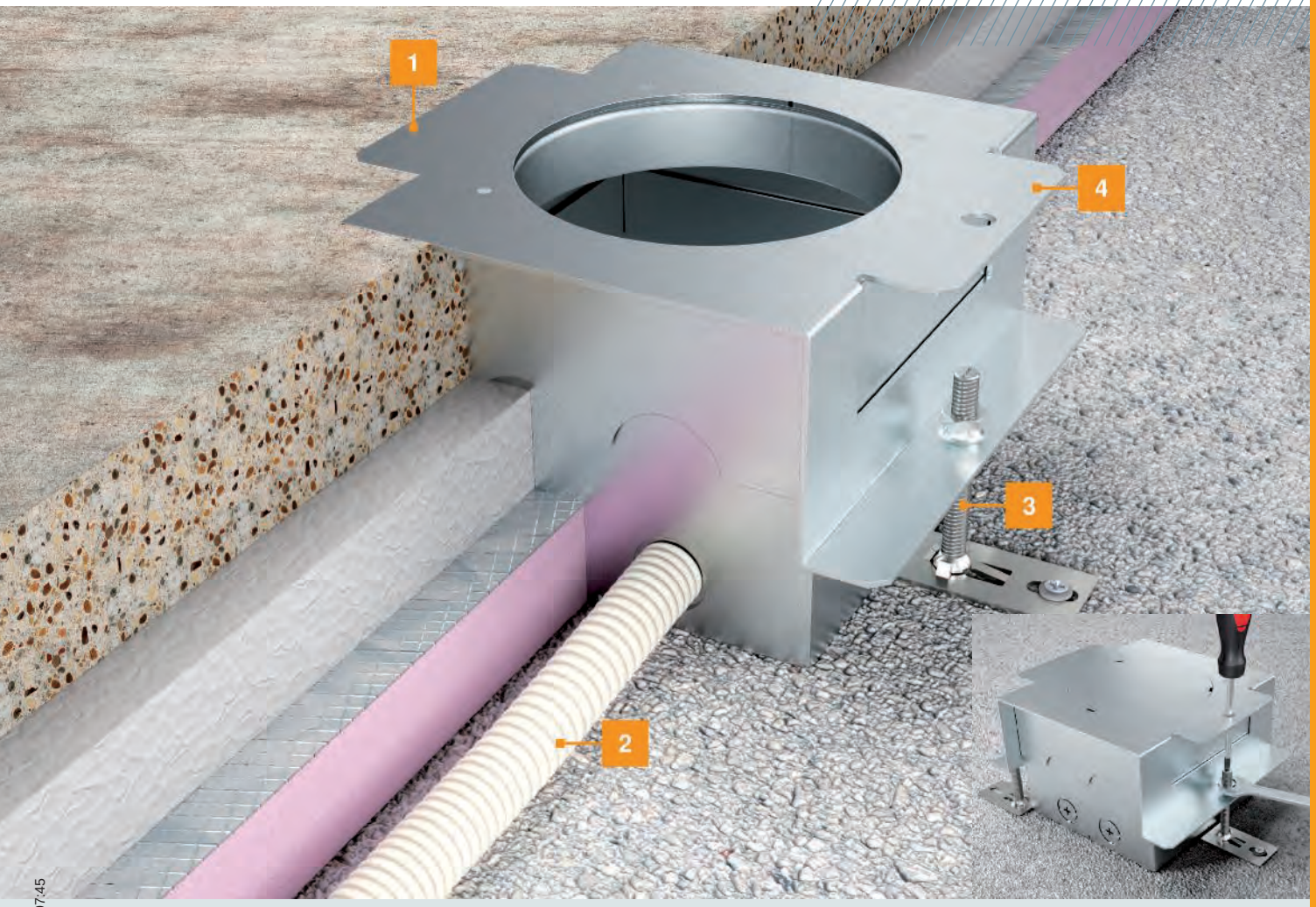
Functional
The installation socket possesses break-out cable entries and integrated strain relief.

Solid hold
The fixing bracket is used to fasten the installation socket in raised and cavity floors or in the screed box.



The round floor socket is suitable for accommodating one Modul 45 British Standard socket and two data connections. Alternatively, two multimedia connections such as HDMI, VGA and two data technology connections from OBO Bettermann can be installed in this floor socket.

Mounting of the underfloor box in the screed



1 Installation in the screed box

The GES R2 floor sockets are installed in the screed in the compact screed box. The screed box possesses a sturdy pressure acceptance plate, whose frame serves as the screed drip edge. The mounting protection cover of the screed box is knocked out after the screed work has been completed. This makes the installation opening for the service outlet accessible.

3 Height adjustment

Using a simple 3-point height adjustment, the screed box can be adjusted exactly to the top edge of the screed. The height adjustment ranges from 85 to 130 mm.

2 Connection

Cables are routed via flexible installation pipes in the insulation layer of the screed construction. The screed box possesses four break-out pipe insertions, either for M20 or M25 pipes.

4 Screed-flush drip edge

The outlet edge of the screed box ensures sufficient stability and load dissipation in the area. The installation socket and the service outlet are installed after the floor covering work has been carried out.

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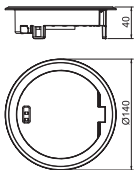
Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket. When closed, the floor socket fulfils the requirements of EN 50085-2-2 for wet-cleaned floors.

Metal hinged cover for GES R2 floor socket

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

Zn N CE UK CA IP 66 IK 10 VDE





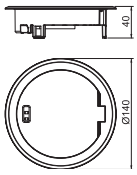
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2 Ni	Nickel-plated	1	**7408850**

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.

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

Zn CuZn 37 CE UK CA IP 66 IK 10 VDE





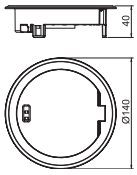
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2 CuZn	Brass-coated	1	**7408852**

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.

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

Zn Cu CE UK CA IP 66 IK 10 VDE





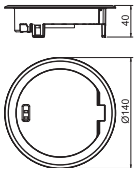
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2 Cu	Copper-plated	1	**7408854**

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 CR

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

Type	Surface	Min. ordering quantity Piece	Item no.
GES R2 Cr	Chrome-plated	1	7408856



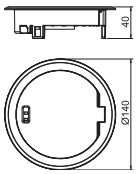


Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

Zn P

Service outlet with hinged cover and locking slider, GES R2, deep black

Type	Surface	Min. ordering quantity Piece	Item no.
GES R2 KP	Powder-coated	1	7408847



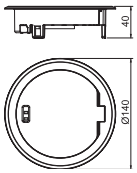


Service outlet with hinged cover and locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket.
When closed, the floor socket can be wet-cleaned.

Zn Ni-Ox

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

Type	Surface	Min. ordering quantity Piece	Item no.
GES R2 Ni-O	Nickel-plated/oxidised	1	7408849





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.

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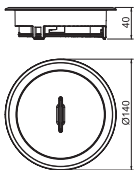
Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket. The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Tube body for floor socket GES R2

Service outlet with tube body with handle clamp, GES R2, nickel

Zn N CE UK CA IP 66 IK 10 VDE





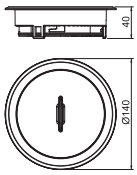
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2T Ni	Nickel-plated	1	**7408860**

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Service outlet with tube body with handle clamp, GES R2, old brass

Zn CuZn 37 CE UK CA IP 66 IK 10 VDE





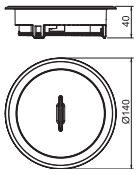
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2T CuZn	Brass-coated	1	**7408862**

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Service outlet with tube body with handle clamp, GES R2, old copper

Zn Cu CE UK CA IP 66 IK 10 VDE





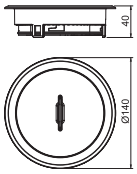
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2T Cu	Copper-plated	1	**7408864**

Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Zn CR

Service outlet with tube body with handle clamp, GES R2, chrome

Type	Surface	Min. ordering quantity Piece	Item no.
GES R2T Cr	Chrome-plated	1	7408866



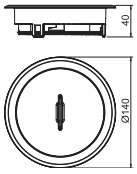


Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Zn P

Service outlet with tube body and handle clamp, GES R2, deep black

Type	Surface	Min. ordering quantity Piece	Item no.
GES R2T KP	Powder-coated	1	7408857



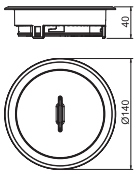


Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

Zn Ni-Ox

Service outlet with tube body and handle clamp, GES R2, nickel-oxidised

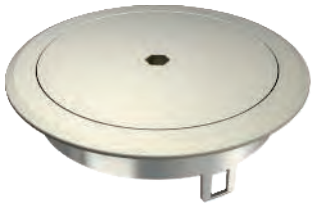
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2T Ni-O	Nickel-plated/oxidised	1	7408859





Service outlet with tube body and handle clamp for GES R2 floor socket for direct installation in the MT R2 installation socket for indoor use.
The tube body fulfils the requirements of EN 50085-2-2 for wet-cleaned floors, also when in use.

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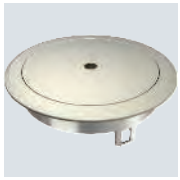


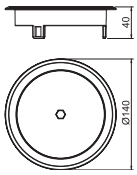
Service outlet with blanking cover and Allen screw with locking slider for GES R2 floor socket for direct installation in the MT R2 installation socket. The cover version can be used as a cable outlet. When closed, the floor socket fulfils the requirements of EN 50085-2-2 for wet-cleaned floors.

Blanking cover for floor socket GES R2

Service outlet with blanking cover and Allen slot, GES R2, nickel

Zn N





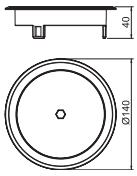
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2B Ni	Nickel-plated	1	**7408870**

Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Service outlet with blanking cover and Allen slot, GES R2, old brass

Zn CuZn 37 CE IP 66 IK 10





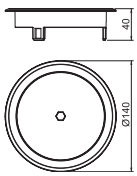
Type	Surface	Min. ordering quantity Piece	Item no.
GES R2B CuZn	Brass-coated	1	**7408872**

Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Service outlet with blanking cover and Allen slot, GES R2, old copper

Zn Cu CE IP 66 IK 10





Type	Surface	Min. ordering quantity Piece	Item no.
GES R2B Cu	Copper-plated	1	**7408874**

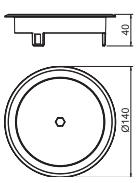
Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

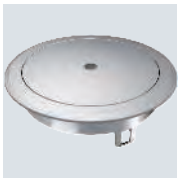
Zn CR

CE IP 66 IK 10

Service outlet with blanking cover and Allen slot, GES R2, chrome

Type	Surface	Min. ordering quantity Piece	Item no.
GES R2B Cr	Chrome-plated	1	**7408876**



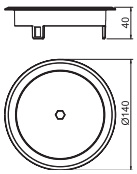


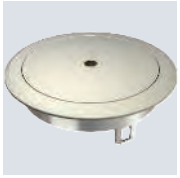
Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

Zn Ni-Ox

Service outlet with blanking cover and Allen slot, GES R2, nickel-oxidised

Type	Surface	Min. ordering quantity Piece	Item no.
GES R2B Ni-O	Nickel-plated/oxidised	1	**7408869**





Service outlet with blanking cover and Allen slot for GES R2 floor socket for direct installation in the MT R2 installation socket in indoor areas.
The cover version can be used as a cable outlet.
When closed, the floor socket can be wet-cleaned.

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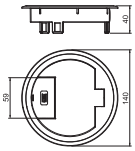
Service outlet with hinged cover and cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket. For use in dry-cleaned floors.

Plastic cover for floor socket GES R2

Service outlet with hinged cover and cord outlet, GES R2

PA





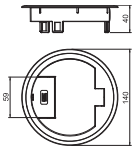
Type	Colour	Min. ordering quantity Piece	Item no.
GES R2 7011	Iron grey	1	7405082

Service outlet with hinged cover and cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors for indoor use.

Service outlet with hinged cover and cord outlet, GES R2

PA





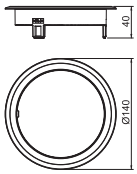
Type	Colour	Min. ordering quantity Piece	Item no.
GES R2 9011	Graphite black	1	7405084

Service outlet with hinged cover and cord outlet for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors for indoor use.

Service outlet with blanking cover and opening contour, GES R2

PA





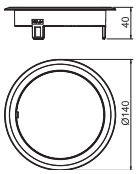
Type	Colour	Min. ordering quantity Piece	Item no.
GES R2B 7011	Iron grey	1	7405086

Service outlet with blanking cover and opening contour for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors for indoor use.

PA

Service outlet with blanking cover and opening contour, GES R2

Type	Colour	Min. ordering quantity Piece	Item no.
GES R2B 9011	Graphite black	1	**7405088**





Service outlet with blanking cover and opening contour for GES R2 floor socket for direct installation in the MT R2 installation socket.
For use in dry-cleaned floors for indoor use.

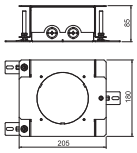
UFS Portfolio UK 2025 / en / 2025/08/11 10:07:06 10:07:06 (LLExport_03821) / 2025/08/11 10:07:45 10:07:45

Screed box and installation socket

Screed box for GES R2

St FS





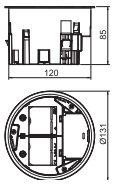
Type	Screed height mm	Installation diameter	Min. ordering quantity Piece	Item no.
UD GES R2	85-130	122	1	**7428526**

Height-adjustable screed box for the installation of the installation socket of the GES R2 floor socket.
With 2x2 insertion openings for installation pipes (M20/M25).

Installation socket, 1+1 empty

PA





Type	Installation depth mm	Installation diameter	Number of installable devices	Min. ordering quantity Piece	Item no.
MT R2 1-1	85	122	2	1	**7408838**

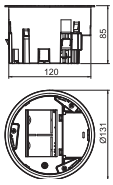
Installation socket for GES R2 floor socket for mounting in UD GES R2 screed box and in raised floor plates with an installation opening diameter of 122 mm.

The scope of supply contains a partition and two cover plates for the installation of individual Modul 45 devices. Up to two modular data sockets (Keystones) can be installed with optional mounting plate.

Installation socket, 1.5 empty

PA





Type	Installation depth mm	Installation diameter	Min. ordering quantity Piece	Item no.
MT R2 1.5	85	122	1	**7408836**

Installation socket for GES R2 floor socket for mounting in UD GES R2 screed socket and in raised floor plates with an installation opening diameter of 122 mm.

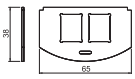
Included in the delivery is a cover plate for the installation of 1.5x Modul 45 sockets (BS, SA). Up to two modular data sockets (Keystones) can be installed with optional mounting plate.

Mounting plates for installation sockets

Mounting plate for data technology, type C

A2





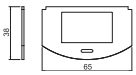
Type	Number of installable devices	Min. ordering quantity Piece	Item no.
MP R2 2C	2	1	**7408806**

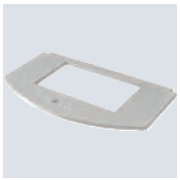
Mounting plate to accept two data connection modules of the following types: Brand-Rex: shielded; EKU: E-Stone; Dätwyler: KS-T, MS-K and KU-T module; R&M: Snap-In and Keystone; Rutenbeck: UM and UMflex; SETEC: MKJ, UKJ and XKJ; Siemon TERA; Telegärtner: AMJ and UMJ.
Dimensions of a mounting opening in mm: 19.30 x 14.80.

A2

Mounting plate for data technology, type LJUC

Type	Number of installable devices	Min. ordering quantity Piece	Item no.
MP 2R LJUC	1	1	**7408812**





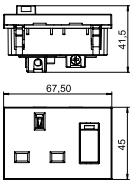
Mounting plate for receiving a data connection module type LJU6C.
Dimensions of a mounting opening in mm: 36.2 x 22.0.

Accessories

PC

0° socket with switch, British Standard, single

Type	Colour	Min. ordering quantity Piece	Item no.
STD-BS0G RW1.5	Pure white	1	**6120724**



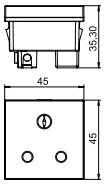


Socket, single 0°, with switch, British Standard, conforms to BS 1363, with increased touch protection, with screw terminals, 2-pin, 13 A, 250 V~.

PC

0° socket, India, 5 A, single

Type	Colour	Min. ordering quantity Piece	Item no.
STD-IN0 RW1	Pure white	1	**6120726**



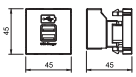


Socket, single 0°, India, conforming to BS 546, with increased touch protection, with screw terminals, 2-pin, 5 A, 250 V~.

PC

USB charging device

Type	Colour	Min. ordering quantity Piece	Item no.
MTG-2UC2.1 RW1	Pure white	1	**6105300**





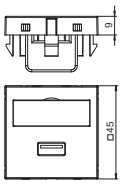
USB charging device with two USB type A sockets, for charging 1–2 mobile devices, maximum charging current 1x 2,100 mA or 2x 1,050 mA.

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USB 2.0/3.0 connection, 1 module, straight outlet, as screw connection

PC





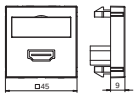
Type	Colour	Min. ordering quantity Piece	Item no.
MTG-U3A S RW1	Pure white	1	**6104874**

Multimedia support with one USB 3.0 connection socket, straight cable outlet, with labelling panel, USB 3.0 type A socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

HDMI connection, 1 module, straight outlet, as screw connection

PC





Type	Colour	Min. ordering quantity Piece	Item no.
MTG-HD S RW1	Pure white	1	**6104802**

Multimedia support with one HDMI connection socket, straight cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Note: Due to the device dimensions, device installation in Rapid 45 device installation trunking and ISSR..45 / ISSD..45 service poles is not possible.



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