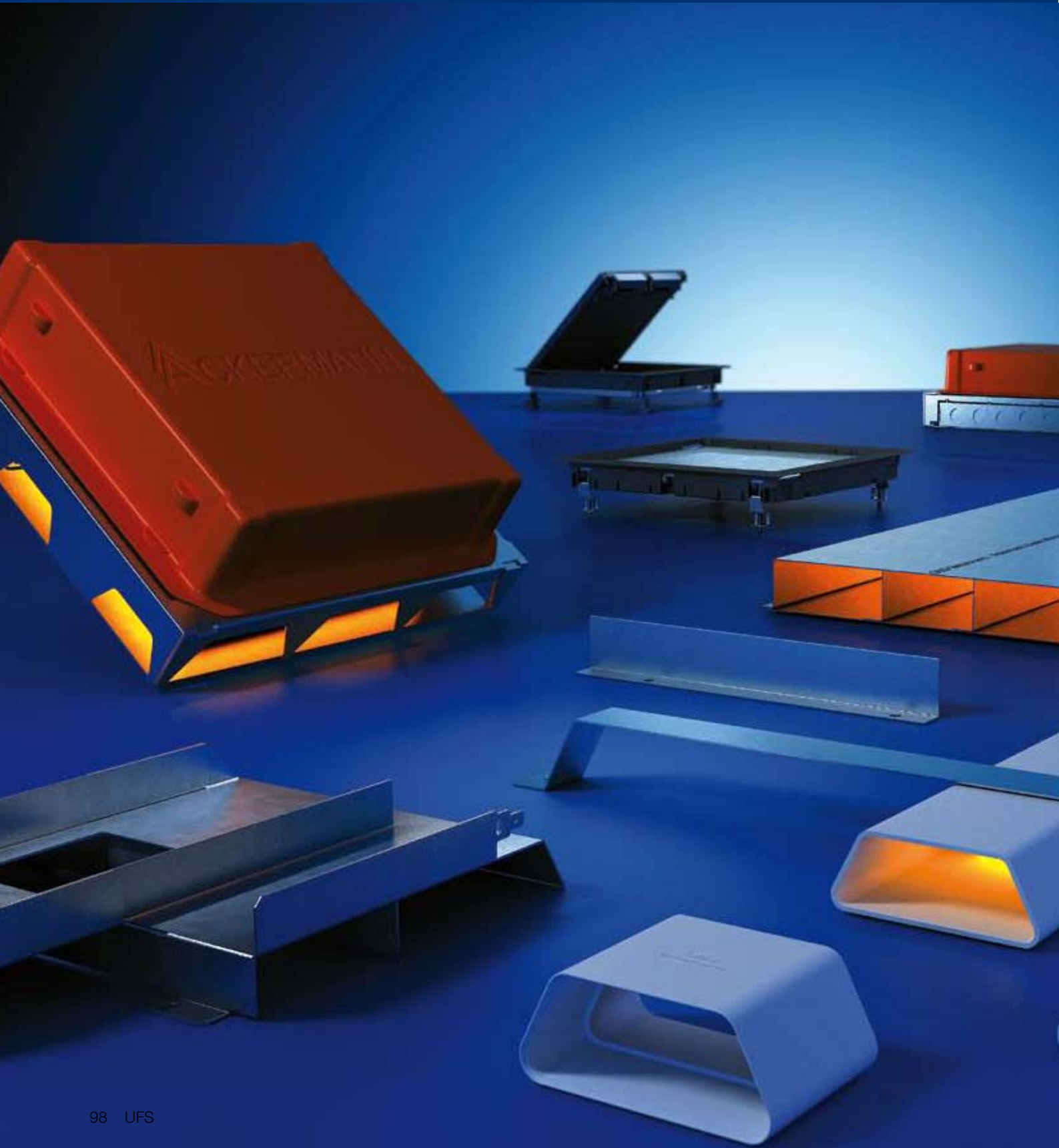


The EÜK underfloor trunking system is the perfect solution for an underfloor electrical installation which needs to supply large areas, in particular in office and administrative buildings. Ducting sections and underfloor boxes form a tight grid, hidden in the screed, for cable routing and access to power, data and telecommunications networks. Underfloor boxes are planned everywhere where access to the cable network is required, e.g. near workstations. The EÜK trunking system is laid, aligned and fixed on the raw floor.



EÜK

Screened-covered trunking system

Self-adjusting



Planner section	100-103
Advantages of the self-adjusting EÜK system	100
Selection aid junction and branch box, underfloor box empty	102
System overview	104
Products	106-117
Underfloor ducts	106
Underfloor box	112
Service outlet	115

Advantages of the self-adjusting EÜK system

PVC ducting and conduits

PVC ducts and connectors

- ▶ Closed profile
- ▶ Safe connection of the plastic ducts with connectors



Fixing clamp

- ▶ Prevents duct floating

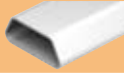
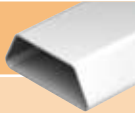




Vertical connection box

- ▶ Vertical supply from cables into the underfloor system



Usable cross-sections, PVC ducting and conduits

	Nominal size in mm		Usable cross-section in mm ²	Type
	Trunking width	Trunking height		
	60	25	1,030	DU6025
	90	35	2,305	DU9035
	Diameter in mm		Usable cross-section approx. in mm ²	Type
	17			
	21.8		370	1,125

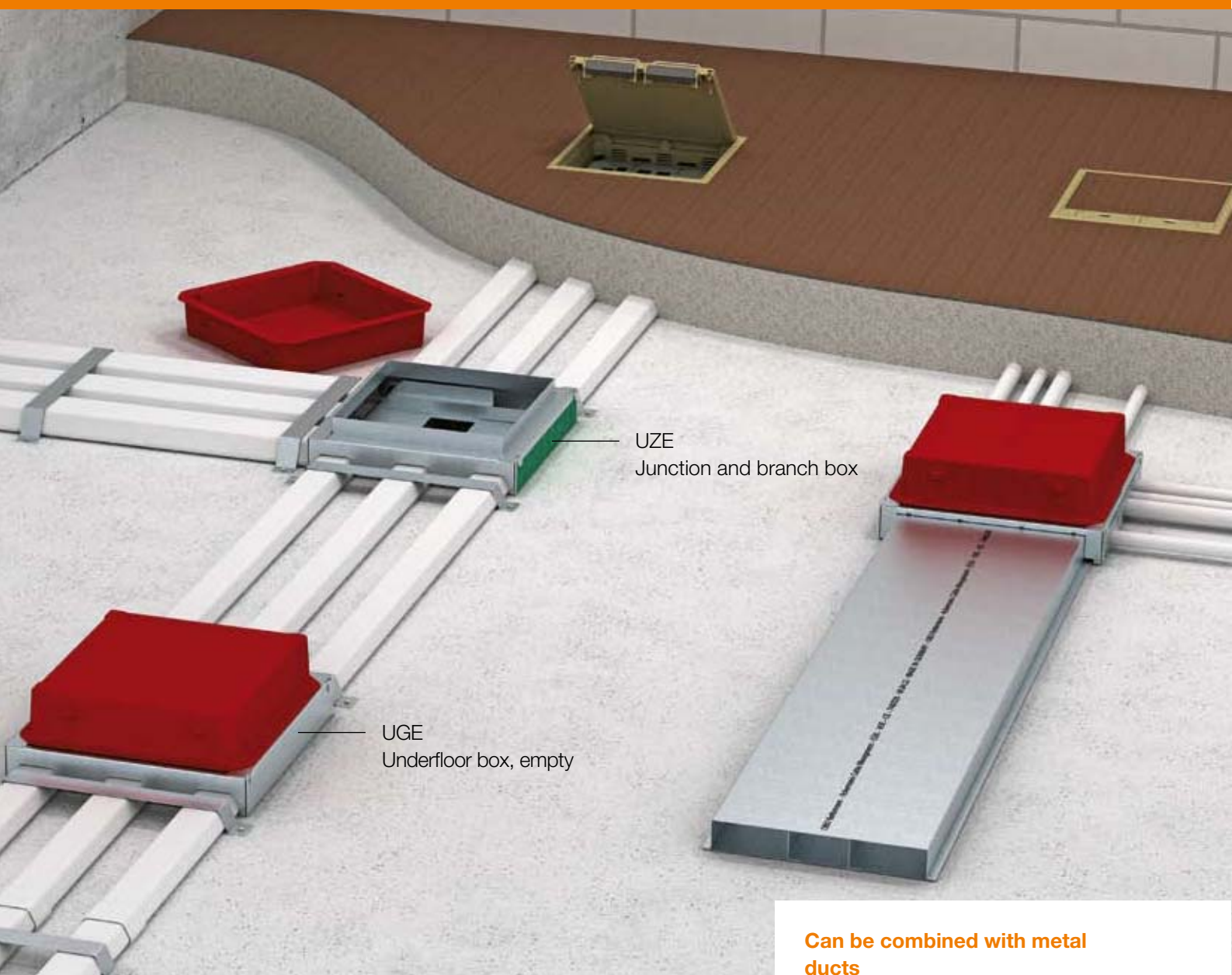
Advantages of the self-adjusting EÜK system

Underfloor boxes

The underfloor boxes are suitable for the duct heights 25 and 35 mm. The different side openings allow the insertion of metal and plastic ducts with installation pipes. The self-

adjusting system is particularly easy to mount: there is no height adjustment, no processing during mounting and all the openings are prefabricated. The metallic components are

made from electro-galvanised steel according to EN 10142, FE P02 GZ 275.



UZE
Junction and branch box

UGE
Underfloor box, empty

Can be combined with metal ducts

The underfloor boxes of the self-adjusting system can be combined with our metal ducts. You can find the selection aid next to the height-adjustable EÜK system.

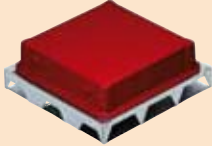
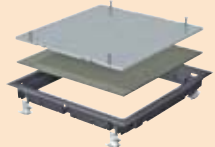
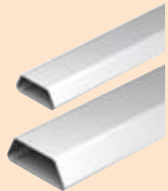
Junction and branch box

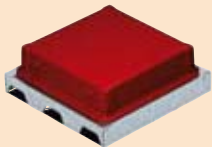

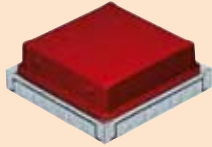


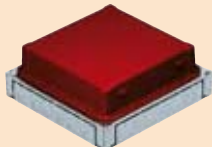

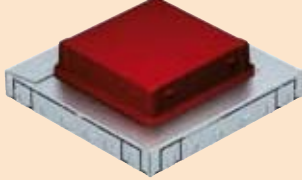

For pulling the cables into the ducting sections. At junctions, you will require various separating elements for safe separation of the different cable types. An inspection cover is used to close the top.


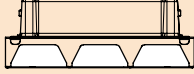

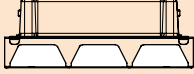
Underfloor box, empty

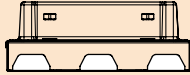
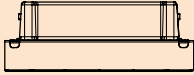
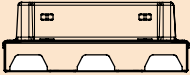
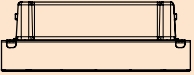
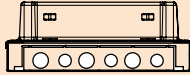
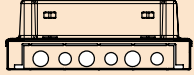
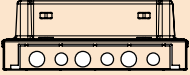
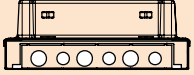
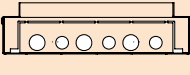
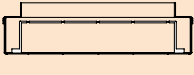
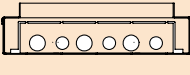
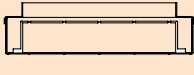
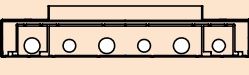
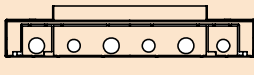
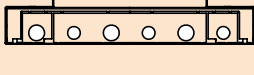
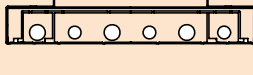
The mounting boxes can accept the different device installation systems. You can find an overview on the next double page.

Selection aid, junction and branch box, underfloor box empty

Junction and branch boxes			
	Type	Junction box insert	Mounting openings for
	UZE9/4PD	Inspection cover ZES9 	PVC installation ducts, DU6025/ DU9035 

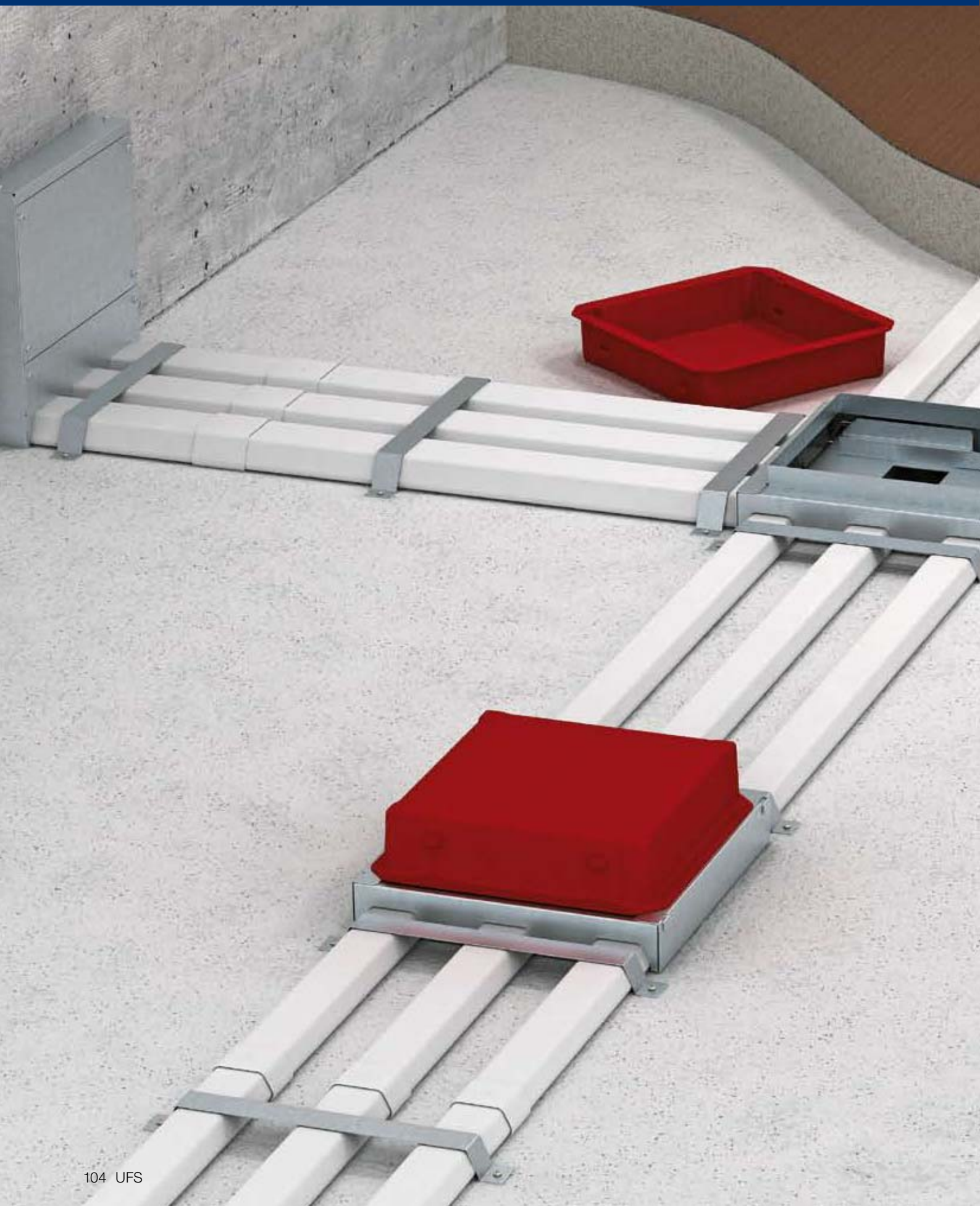
Underfloor boxes, empty			
	Type	Service outlet	Mounting openings for
	UGE9/2PD	GES9UGE	PVC installation ducts, DU6025 
	UGE25038/9		Ducts Metal, S3/25038 or conduits M20 M25 
	UGE25048/9		Ducts Metal, S3/25048 or conduits M20 M25 
	UGE35048/9		Ducts Metal, S3/25048 or S3/35048 or conduits M20 M25 

Openings side 1	Openings side 2	Openings side 3	Openings side 4
			

Openings side 1	Openings side 2	Openings side 3	Openings side 4
			
			
			
			

System overview

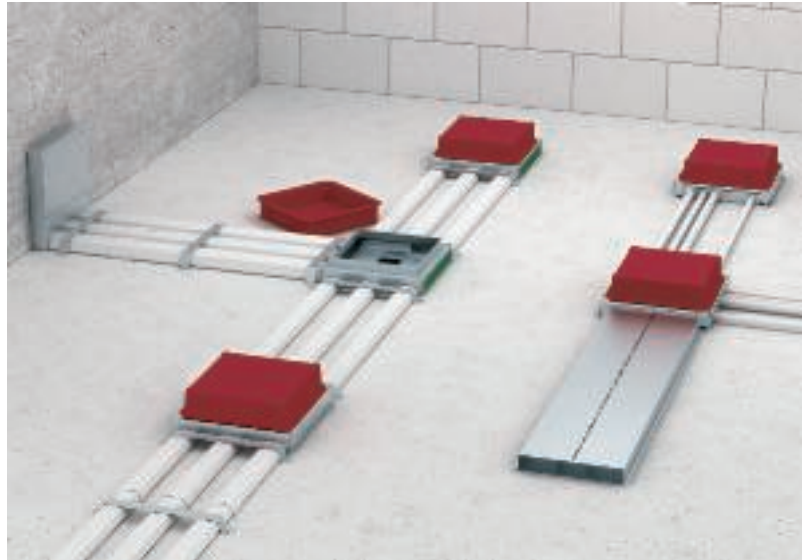
EÜK, screed-covered trunking system, self-adjusting



EÜK underfloor installation trunking



Self levelling screed-covered trunking system - underfloor installation ducts



PVC trunking length	3,000 mm
S2/S3 trunking length	2,000 mm

PVC trunking systems are suitable for use in cement screeds and under raised floors. The ducts are available in the heights 25 mm and 35 mm and in the widths 60 and 90 mm. Please consult the planner section of the catalogue for more details on the usable cross-section. An important precondition for correct underfloor installation is the screed. In the case of a screed-covered system, it is important that the screed thickness above the ducts is sufficient to avoid the formation of cracks.

System components



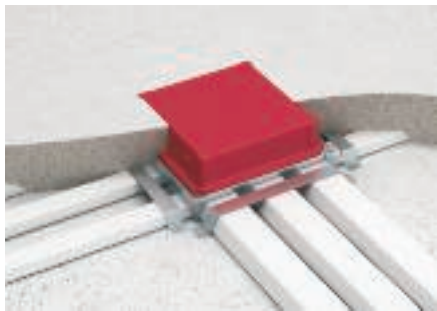
EÜK underfloor installation ducts from pvc and metal, duct connectors, riser bends

Underfloor box, empty



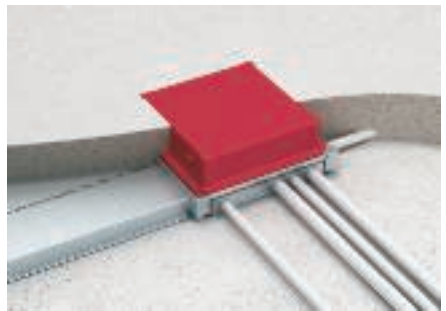
Self-adjusting underfloor box for device installation. The installation cables are fed in through PVC ducts.

Junction and branch box



Self-adjusting underfloor box as junction and branch box. The installation cables are fed in through PVC ducts.

Junction and branch box for installation of ducts and conduits



Self-adjusting underfloor box for device installation. The installation cables are fed in through either PVC or metal ducts or through conduits.

EÜK underfloor installation trunking

Draw mounting planning



The planned trunking routes and the crossing points and points relevant for junction and branch boxes or device boxes should be marked on the floor in advance, e.g. using a chalk line.

Mounting of underfloor boxes



Junction and branch boxes on the lines and the crossing points are aligned and fixed before the mass of trunking routes are determined.

Preparation of duct installation



The duct lengths can now be determined exactly. The material can be laid out on the floor.

Cutting the ducts



The PVC duct is cut to the required length as necessary.

Duct connector mounting



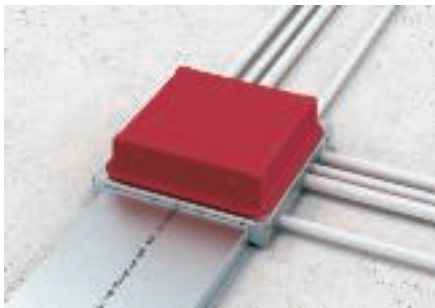
Duct connectors are positioned at the pvc duct joints.

Ducting fixing



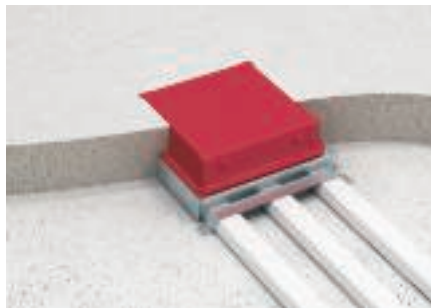
Pvc ducts are fixed to the slab by means of a fixing clamp.

Use as junction and branch box



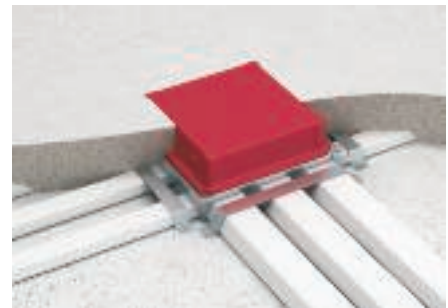
At junctions of underfloor installation systems the floor boxes are used as a junction and branch box. Installation of electrical devices is not planned. Conduits and ducts are used for cable management.

Use as device box, empty



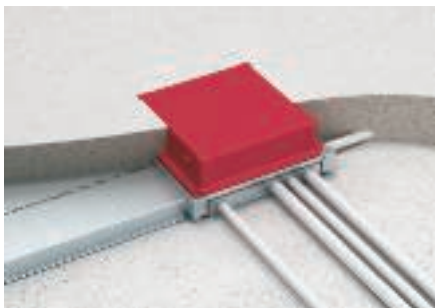
Self levelling underfloor box for installation of devices. Wires and cables are supplied via pvc ducts.

Use as junction and branch box



Self levelling underfloor box to be used as junction and branch box. PVC ducts supply the cables and wires and distribute them to the empty underfloor boxes.

Use as junction and branch box



Self levelling underfloor box to be used as junction and branch box. Supplying big numbers of cables and wires metal ducts are used. Conduits are used for distribution of cables and wires to empty under-floor boxes.

Feeding of cables and wires



Feeding of cables and wires to screed-covered ducting systems are taking place via riser bends or vertical access units.

Prefabricated mounting



The ready installed installation system can now be covered with the screed. Installation of cables and wires will take place after screed work.

EÜK underfloor installation trunking

EÜK PVC underfloor installation duct

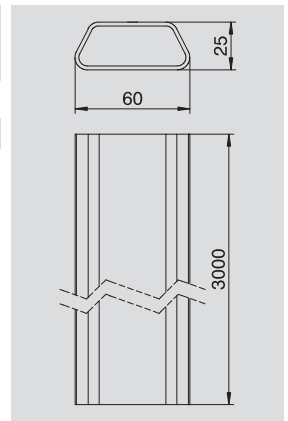


Type	Width mm	Trunking height mm	Length mm	Number of compartments pc.	Pack. m	Weight borders	Item No. PVC
DU6025	60	25	3000	1	1	43,000	7425 90 0

Price
/m

Trapezoidal duct, one-compartment, for use in cement screeds and under false floors.

An important precondition for correct underfloor installation is the screed structure. In the case of a screed-covered system, it is important that the screed thickness above the duct has a sufficiently high load capacity.

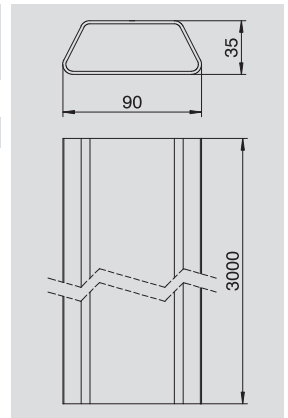


Type	Width mm	Trunking height mm	Length mm	Number of compartments pc.	Pack. m	Weight borders	Item No. PVC
DU9035	90	35	3000	1	1	64,700	7425 90 2

Price
/m

Trapezoidal duct, one-compartment, for use in cement screeds and under false floors.

An important precondition for correct underfloor installation is the screed structure. In the case of a screed-covered system, it is important that the screed thickness above the duct has a sufficiently high load capacity.



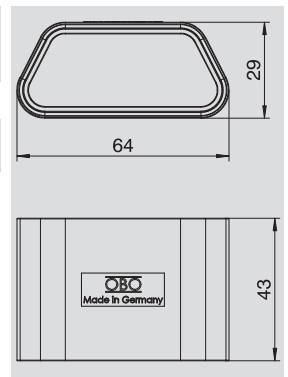
EÜK duct connector



Type	Width mm	Trunking height mm	Pack. pcs	Weight kg/% pc	Item No. PVC
DUC6025	60	25	700	2,700	7425 91 0

Price
/pc

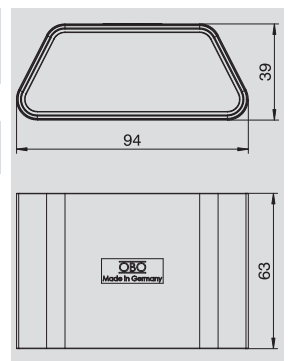
Coupling element for connecting one-compartment PVC ducting lengths with a trapezoid-shaped cross-section.



Type	Width mm	Trunking height mm	Pack. pcs	Weight kg/% pc	Item No. PVC
DUC9035	90	35	250	4,070	7425 91 2

Price
/pc

Coupling element for connecting one-compartment PVC ducting lengths with a trapezoid-shaped cross-section.



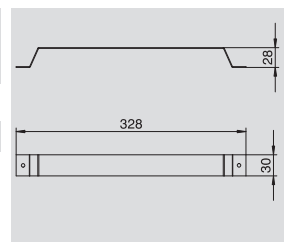
EÜK fixing clamp



Type	Trunking height mm	Pack. pcs	Weight kg/% pc	Item No. ST / FS
DC6025	25	10	10,000	7428 34 2

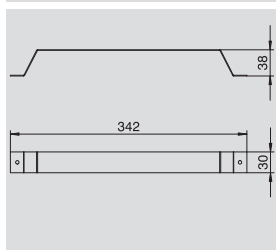
Price
/pc

Fixing strap for three neighbouring 1-compartment PVC ducting lengths of width 60 mm.



EÜK underfloor installation trunking

EÜK fixing clamp

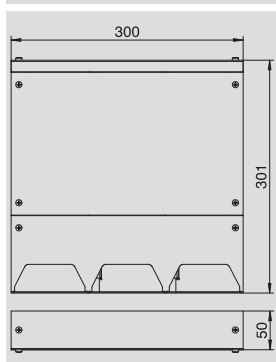


Type	Trunking height mm	Pack. pcs	Weight kg/% pc	Item No. ST / FS	Price /pc
DC9035	35	10	10,000	7428 34 0	

Fixing strap for three neighbouring 1-compartment PVC ducting lengths of width 90 mm.



EÜK vertical connection box

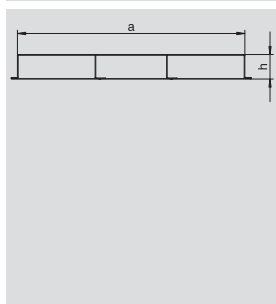


Type	Pack. pcs	Weight kg/% pc	Item No. ST / FS	Price /pc
VAB9035	1	363,000	7428 32 0	

Vertically mountable connection box for up to three sets of PVC trunking of nominal size 90 x 35.



EÜK metal underfloor installation trunking, duct height 38 mm



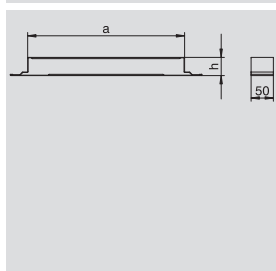
Type	Dimension a mm	Dimension h mm	Width mm	Trunking height mm	Length mm	Number of compartments pc.	Pack. m	Weight borders	Item No. ST / FS	Price /m
S3/25038	250	38	250	38	2000	3	2	500,000	7400 32 8	

Underfloor installation duct for laying cables under the floor.

An important precondition for correct underfloor installation is the screed. In the case of a screed-covered system, it is important that the screed thickness above the duct is at least 35 mm, to avoid the formation of cracks (DIN 18560). Screed height: 60 mm only for onfloor connection systems (Telitank), 70 mm and greater for underfloor connection systems.



EÜK coupler, duct height 38 mm

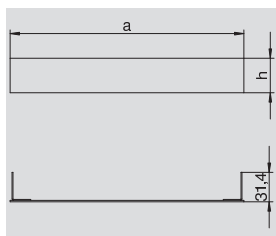


Type	Dimension a mm	Trunking height mm	Pack. pcs	Weight kg/% pc	Item No. ST / FS	Price /pc
VL25038	250	38	1	28,500	7400 89 6	

Duct connector for mounting underfloor installation ducts.



EÜK trunking end cap, duct height 38 mm



Type	Dimension a mm	Dimension h mm	Pack. pcs	Weight kg/% pc	Item No. ST / FS	Price /pc
SES250/37	250	37	1	11,700	7404 00 6	

End cap for screed-covered and flushfloor underfloor installation ducts.



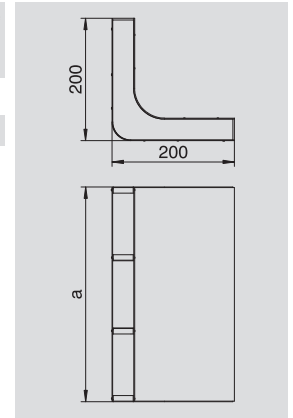
EÜK underfloor installation trunking

EÜK riser bend, duct height 38 mm



Type	Dimension a mm	Width mm	Trunking height mm	Number of compartments pc.	Pack. pcs	Weight kg/% pc	Item No. ST / FS	Price /pc
KV3/25038	250	250	38	3	1	223,000	7400 64 8	

For vertical direction changes of screed-covered underfloor ducts (wall connections, supplies).



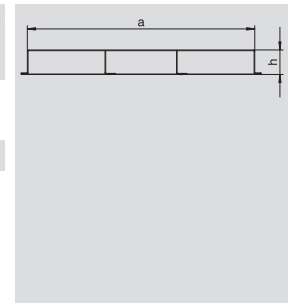
EÜK metal underfloor installation trunking, duct height 48 mm



Type	Dimension a mm	Dimension h mm	Width mm	Trunking height mm	Length mm	Number of compartments pc.	Pack. m	Weight borders	Item No. ST / FS	Price /m
S3/25048	250	48	250	48	2000	3	2	570,000	7400 33 2	
S3/35048	350	48	350	48	2000	3	2	650,000	7400 34 4	

Underfloor installation duct for laying cables under the floor.

An important precondition for correct underfloor installation is the screed.
In the case of a screed-covered system, it is important that the screed thickness above the duct is at least 35 mm, to avoid the formation of cracks (DIN 18560).
Screed height: 60 mm only for onfloor connection systems (Telitank), 70 mm and greater for underfloor connection systems.

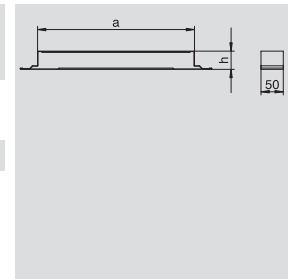


EÜK coupler, duct height 48 mm



Type	Dimension a mm	Trunking height mm	Pack. pcs	Weight kg/% pc	Item No. ST / FS	Price /pc
VL25048	250	48	1	29,700	7400 90 0	
VL35048	350	48	1	38,400	7400 91 2	

Duct connector for mounting underfloor installation ducts.

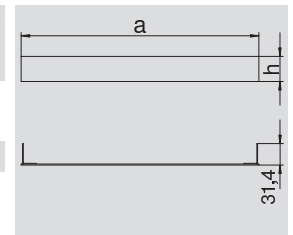


EÜK trunking end cap, duct height 48 mm



Type	Dimension a mm	Trunking height mm	Pack. pcs	Weight kg/% pc	Item No. ST / FS	Price /pc
SES250/47	250	48	1	16,000	7404 01 0	
SES350/47	350	48	1	17,900	7404 02 2	

End cap for screed-covered and flushfloor underfloor installation ducts.

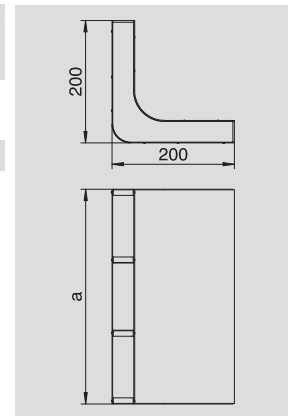


EÜK riser bend, duct height 48 mm



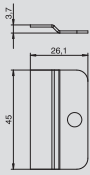
Type	Dimension a mm	Width mm	Trunking height mm	Number of compartments pc.	Pack. pcs	Weight kg/% pc	Item No. ST / FS	Price /pc
KV3/25048	250	250	48	3	1	233,000	7400 65 2	
KV3/35048	350	350	48	3	1	296,000	7400 66 4	

For vertical direction changes of screed-covered underfloor ducts (wall connections, supplies).



EÜK underfloor installation trunking

EÜK fixing strap

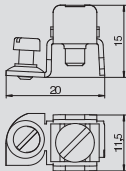


Fixing bracket for underfloor screed-covered ducts.

Type	Pack.	Weight	Item No.	Price /pc
	pcs	kg/% pc	ST / FS	
BL1	20	0,800	7428 50 0	



Earth conductor clamp



Earth conductor clamp for insertion in trunking bases and dividers.

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.

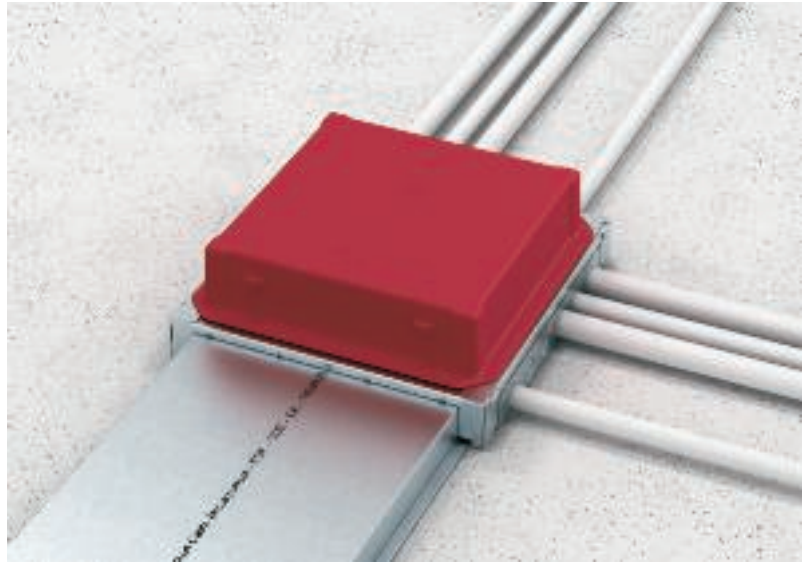
Type	Pack.	Weight	Item No.	Price /pc
	pcs	kg/% pc	ST / G	
8AWR	10	0,641	6288 70 4	



Underfloor box, self-levelling

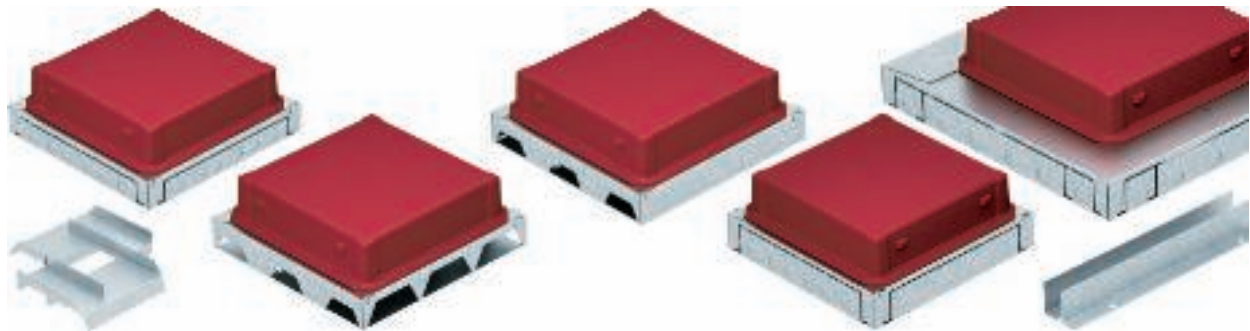
Underfloor boxes for screed height 70 to 110 mm

Minimum screed height	60 mm
Maximum screed height	110 mm



Underfloor connection boxes are components of the screed-covered installation trunking system. They are used at crossing points in screed-covered trunking routes and in the trunking route, and, depending on the level of expansion, allow access to the cables in the trunking or the installation of electrical resources. During mounting, the boxes are closed off using a lined body. This means that the interior is also protected against soiling during screed work. After the screed has been laid, the section of the lined body above the screed is cut-off. The service outlet or the height-adjustable cassette can be installed in the resulting opening.

System components



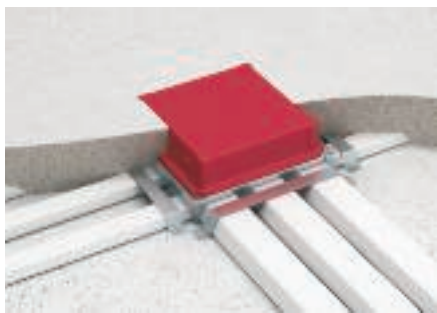
Underfloor draw and junction box, underfloor connection box

Use as device box, empty



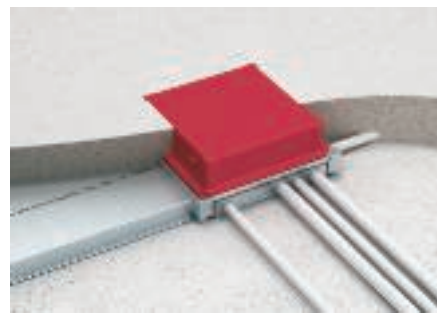
Self-adjusting underfloor box for device installation. The installation cables are fed in through PVC ducts.

Use as junction and branch box



Self-adjusting underfloor box as junction and branch box. The installation cables are fed in through PVC ducts of different dimensions.

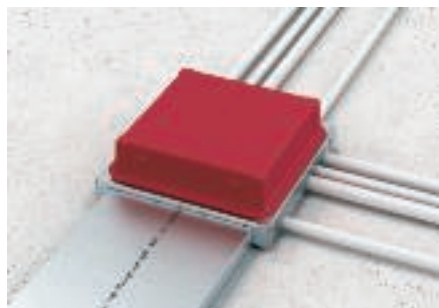
Use as junction and branch box



Self-adjusting underfloor box for device installation. The installation cables are fed in through metal ducts, whilst forwarding and distribution takes place in conduits.

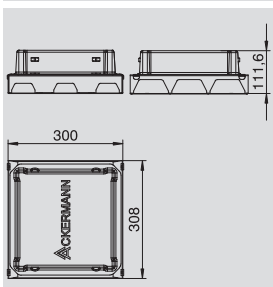
Underfloor box, self-levelling

Connection of ducts and conduits



The side walls of the underfloor boxes are prepared for feeding in the ducts and conduits. The necessary openings can be opened without special tools.

Underfloor junction and branch box UZE

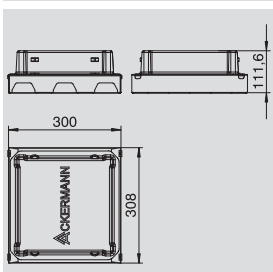


Type	Screed height	Pack.	Weight	Item No.	Price /pc
	mm	pcs	kg/% pc	ST / FS	
UZE9/4PD	70+40	1	361,600	7428 07 0	

Underfloor junction and branch box with prepared openings for a set of three one-compartment PVC ducts of nominal size 60 x 25 on two opposing sides and for a set of three one-compartment PVC ducts of nominal size 90 x 35 on two opposing sides. Mounting opening for direct installation of an inspection cover ZES9.



UGE underfloor box empty for PVC installation ducts

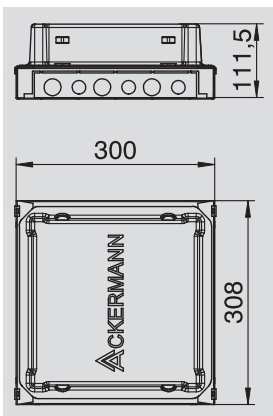


Type	Screed height	Pack.	Weight	Item No.	Price /pc
	mm	pcs	kg/% pc	ST / FS	
UGE9/2PD	70+40	1	361,600	7428 07 4	

Underfloor box with prepared openings for a set of three one-compartment PVC ducts of nominal size 60 x 25 on two opposing sides. Mounting opening for direct installation of an installation unit of nominal size 9.



UGE underfloor box empty for conduit and duct insertion



Type	Screed height	Pack.	Weight	Item No.	Price /pc
	mm	pcs	kg/% pc	ST / FS	
UGE25038/9	70+40	1	237,100	7400 41 0	

Underfloor connection box with pipe entries of size M20 or M25 on all four sides or one opening suitable for a metal screed-covered duct of nominal size 25038. Mounting opening for direct installation of an installation unit of nominal size 9.



Underfloor box, self-levelling

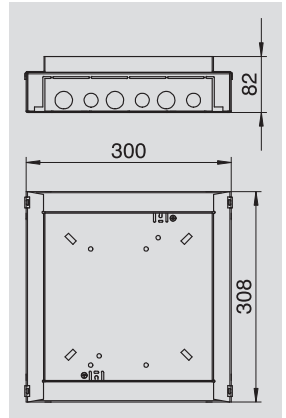
UGE underfloor box empty for conduit and duct insertion



Type	Screed height	Pack.	Weight	Item No.
	mm	pcs	kg/% pc	ST / FS
UGE25048/9	80+40	1	249,400	7400 41 2

Price /pc

Underfloor box with conduit entries of size M20 or M25 on two opposing sides or one opening suitable for a metal screed-covered duct of nominal size 25048 on all four sides. Mounting opening for direct installation of an installation unit of nominal size 9.



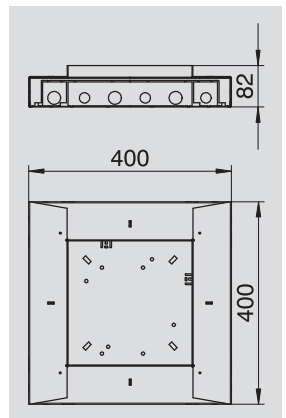
UGE underfloor box empty for duct insertion



Type	Screed height	Pack.	Weight	Item No.
	mm	pcs	kg/% pc	ST / FS
UGE35048/9	80+40	1	460,000	7400 41 6

Price /pc

Underfloor connection box with conduit entries of size M20 or M25 on all four sides or one opening suitable for a metal screed-covered duct of nominal size 35048. Mounting opening for direct installation of an installation unit of nominal size 9.



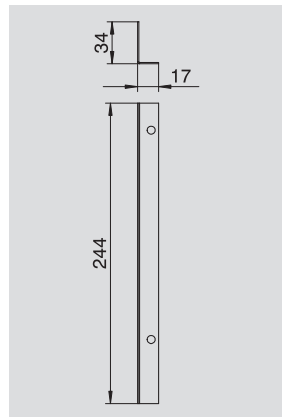
Separating retainer for UZE and UGE



Type	Pack.	Weight	Item No.
	pcs	kg/% pc	ST / FS
UGE25038/9TW	1	19,000	7400 80 4

Price /pc

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



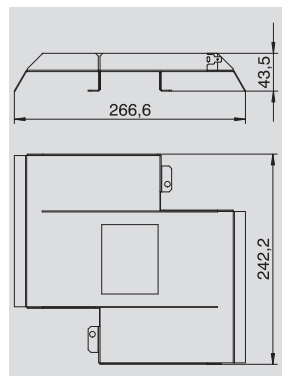
Intersection separating element for UZE



Type	Pack.	Weight	Item No.
	pcs	kg/% pc	ST / FS
UZE9C3	1	10,000	7428 33 0

Price /pc

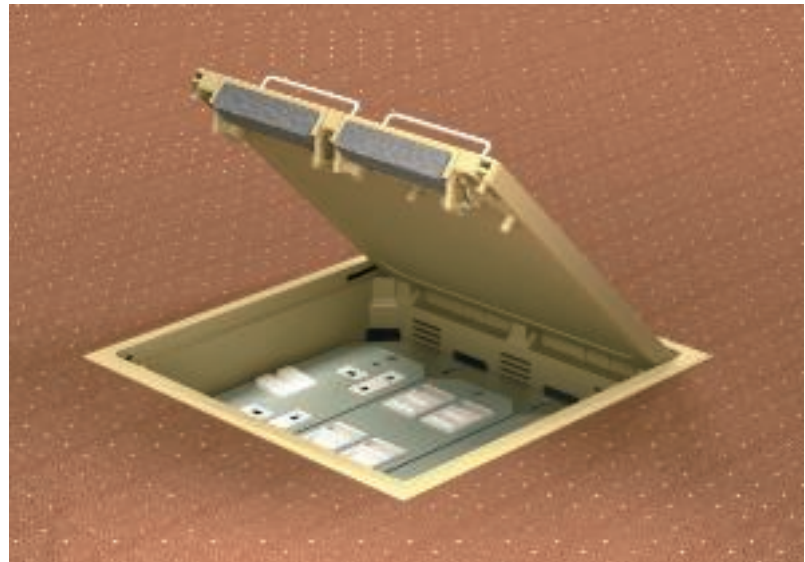
Separating element, three-compartment, in a UZE underfloor box.



Service outlets for dry-cleaned floors, self-adjusting

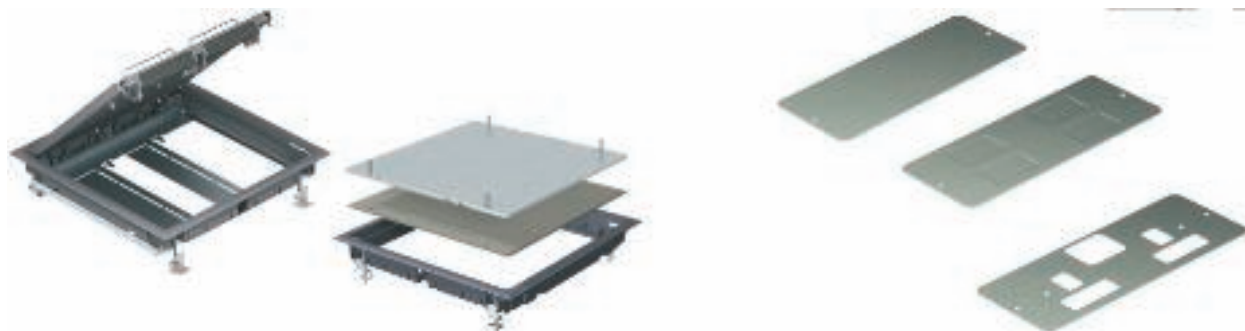
Square service outlet for dry-cleaned floors

Version	With 3 compartments
Material	Polyamide, V2A
VDE	to DIN VDE 0634 Part 1
Approval	VDE symbol approval
Colours:	
Iron grey	RAL 7011
Graphite black	RAL 9011
Sepia brown	RAL 8014
Grey-beige	RAL 1019



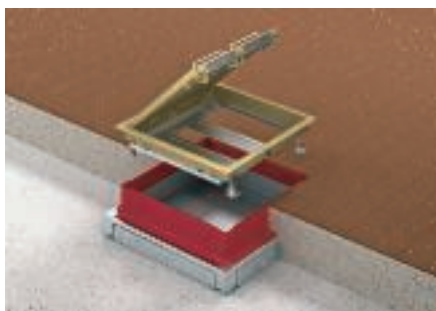
Flushfloor installation unit with device support for installation in dry-cleaned floors, consisting of a hinged lid, which is captive, lockable and self-closing in the carpet protection frame. The hinged lid possesses a stable pressure absorption plate made of 4-mm galvanised sheet steel, two swivellable cord outlets with foam seal and fold-away handles for opening the lid. The recess in the hinged lid accepts a floor covering of 5 mm.

System components



Service outlet, inspection cover, cover plates

Fixing in underfloor systems



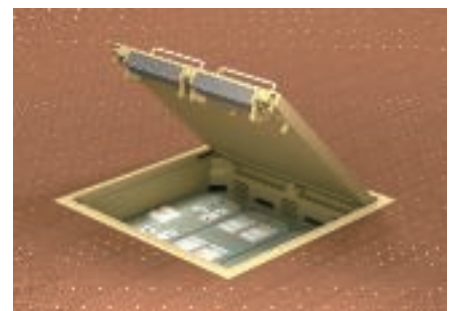
When used in empty underfloor boxes and trunking systems, the fixing unit reaches under the screed plate and locks the installation unit in place.

Installation of inspection covers



ZES inspection covers are used to close the top of UZE junction boxes. ZES inspection covers and GES service outlets have the same outer dimensions.

Installation of accessories



The accessories for power supply, telecommunications and data technology are mounted in or under separate cover plates.

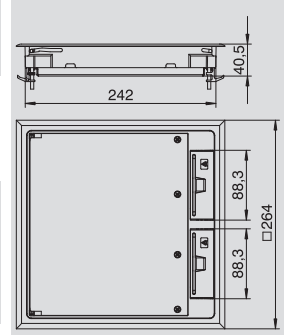
Service outlets for dry-cleaned floors, self-adjusting

GES9UGE Service outlet



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/% pc	PA
GES9UGE	grey	1	229,900	7405 40 4
GES9UGE	graphite black	1	229,900	7405 40 8
GES9UGE	beige	1	229,900	7405 41 2
GES9UGE	brown	1	229,900	7405 41 6

Price /pc



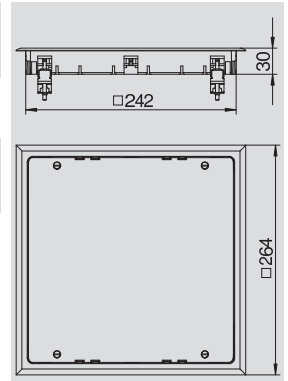
Square, flushfloor GES installation unit with device support for installation in UGE empty underfloor boxes consisting of a hinged lid, which is captive, lockable and self-closing in the carpet protection frame. The hinged lid possesses a stable pressure absorption plate made of 4-mm galvanised sheet steel, two swivellable cord outlets with foam seal and fold-away handles for opening the lid. With four raised floor fixing brackets. Floor covering recess 5 mm.

ZES9 inspection cover



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/% pc	PA
ZES9DB	grey	1	219,500	7406 75 2
ZES9DB	graphite black	1	219,500	7406 75 6

Price /pc



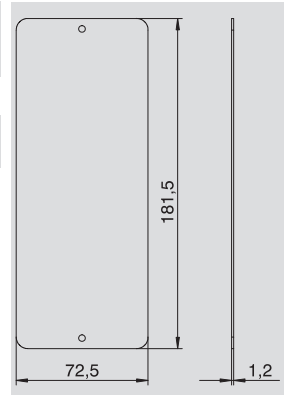
Junction box insert for blank closing of a square mounting opening of nominal size 9 in trunking systems. With fixing bracket for raised floor / cavity floors. Polyamide carpet protection frame. Floor covering recess 5 mm.

Cover plate APMT5/0



Type	Colour	Length	Pack.	Weight	Item No.
		mm	pcs	kg/% pc	ST / FSO
APMT5/0	grey/white RAL 9002	181,5	80	12,200	7406 90 4

Price /pc



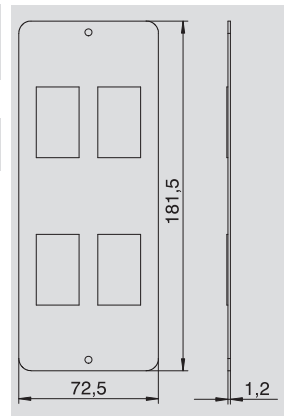
For blank covering of an unused compartment in an international mounting support. L = 181.5 mm.

Cover plate APMT5/1



Type	Colour	Length	Pack.	Weight	Item No.
		mm	pcs	kg/% pc	ST / FSO
APMT5/1	grey/white RAL 9002	181,5	40	12,200	7406 90 8

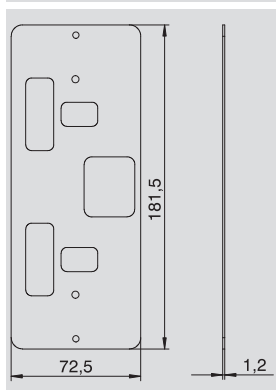
Price /pc



Cover plate for installing four data connection sockets of type LJC6C. L = 181.5 mm.

Service outlets for dry-cleaned floors, self-adjusting

Cover plate APMT5/2



Type	Colour	Length mm	Pack. pcs	Weight kg/% pc	Item No. ST / FSO	Price /pc
APMT5/2	grey/white RAL 9002	181,5	80	9,400	7406 90 0	

Cover plate for installation of a double BS socket, type MK14347D1WHI.
L = 181.5 mm.

