Service units and installation units
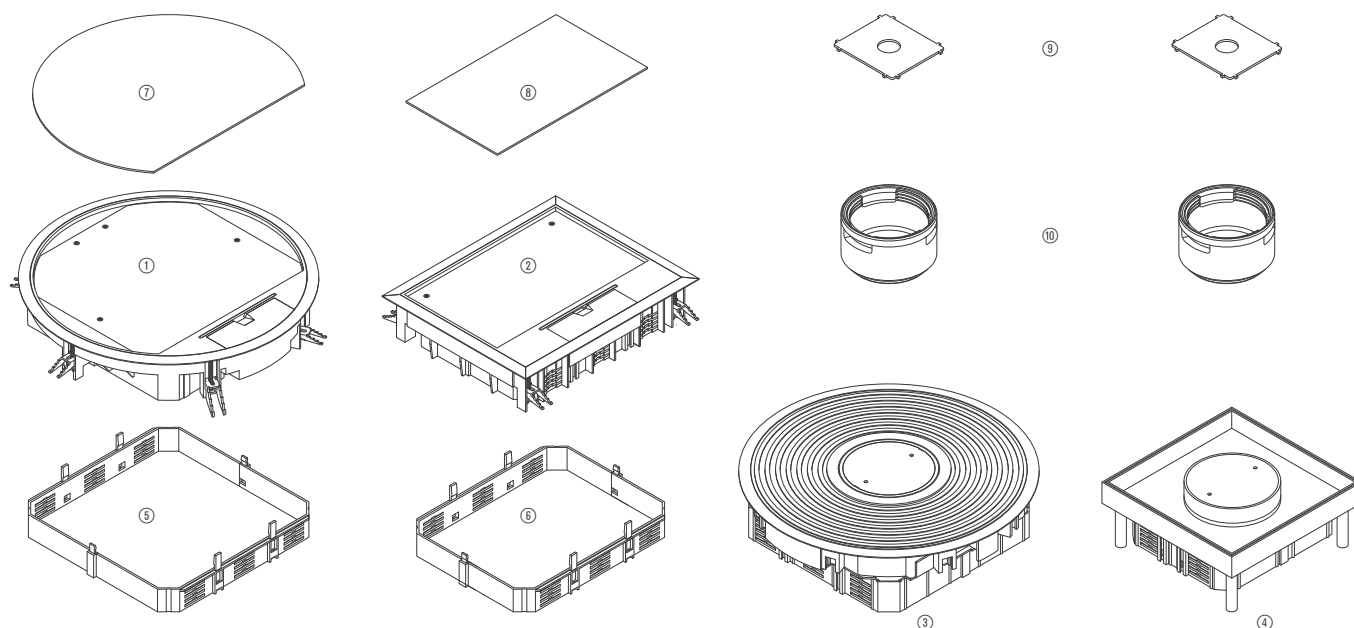
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A system of perfectly matched components

Different sizes, shapes, materials and colours for different heights. Device installation solutions from Hager are available in various designs: rectangular, square or round, for dry-cleaned or wet-cleaned floors, for loads from 1,500 to 20,000 N, in various colours and materials, for the most diverse applications and screed heights of 40 to 100 mm.

Of course, these products offer all benefits of Hager system engineering: One mounting kit is all you need to install any service unit into any Electraplan underfloor trunking systems from Hager. The makes ordering easier because all service units, except VANR12 for wet-cleaned floors, are fitted at the factory with this mounting kit. This means: minimal effort and maximum reliability when ordering!

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① Service unit VR12

② Service unit VE09

③ Service unit for wet-cleaned floors VANR12

④ Stainless-steel cassette Q06

⑤ Snap-in ladder extension RLV1230

⑥ Snap-in ladder extension RLVE0930

⑦ Cover inlay for service unit VR12

⑧ Cover inlay for service unit VE09

⑨ Pin wrench

⑩ Tube cable outlet

- Made of polyamide in accordance with DIN EN 50085-1 and -2-2 for dry rooms with dry-cleaned floors
- With carpet frame for 5 or 12 mm flooring thickness
- Universal mounting kit for installation in junction boxes, trunking systems, double floors or cavity floors

- Minimum installation depth with 5 mm flooring recess: 70 mm
- Minimum installation depth with 12 mm flooring recess: 77 mm

Material
Polyamide

Available colours
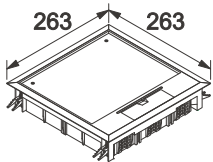RAL 7011, iron grey
RAL 9005, deep black

▶ from page 4.29

VQ12057011

Service unit VQ12

Properties:
- For up to 12 installation devices in 3 device casings GTVR400, GBVR400, GTVD300
- Device casings can be lowered in increments down to 18 mm
- Including cable holder
- Outer dimensions: 263 x 263 mm
- Installation dimensions: 244 x 244 mm

263   263

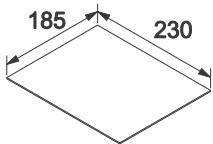| Designation	PU	Order no.
Service unit Q12 f 5mm flooring eg	4	**VQ12057011**
Service unit Q12 f 5mm flooring ts	4	**VQ12059005**
Service unit Q12 f 12mm flooring eg	3	**VQ12127011**
Service unit Q12 f 12mm flooring ts	3	**VQ12129005**

VEDEQ12P1

Cover inlay for service unit VQ12

Properties:
- Cover inlay made of cardboard to serve as spacer between cover and flooring
- Dimensions: 185.3 x 230 mm
- Material thickness: 1 mm - P1
                            2 mm - P2

185   230

Designation	PU	Order no.
Cover inlay made of cardboard for VQ12 1mm	300	**VEDEQ12P1**
Cover inlay made of cardboard for VQ12 2mm	300	**VEDEQ12P2**

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Service unit VR12
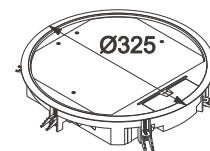
VR12057011
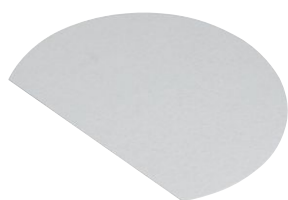
Properties:
- For up to 12 installation devices in
  3 device casings GTVR400, GBVR400, GTVD300
- Device casings can be lowered in increments down to 18 mm
- Including cable holder
- Outer dimensions: Ø 325 mm
- Installation dimensions: Ø 306 mm

Ø325

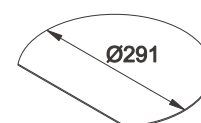| Designation	PU	Order no.
Service unit R12 f 5mm flooring eg	4	**VR12057011**
Service unit R12 f 5mm flooring ts	4	**VR12059005**
Service unit R12 f 12mm flooring eg	3	**VR12127011**
Service unit R12 f 12mm flooring ts	3	**VR12129005**

Cover inlay for service unit VR12

VEDER12P1

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: Ø 291 mm
- Material thickness: 1 mm - P1
  2 mm - P2

Ø291

Designation	PU	Order no.
Cover inlay made of cardboard for VR12 1mm	300	**VEDER12P1**
Cover inlay made of cardboard for VR12 2mm	300	**VEDER12P2**

Service unit VR10

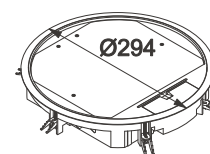VR10057011

Properties:
- For up to 10 installation devices in 3 device casings
- 1 x device casing GTVR400, GBVR400, GTVD300 (centre) and
  2 x device casing GTVR300, GBVR300, GTVD200 (left and right)
- Device casings can be lowered in increments down to 18 mm
- Including cable holder
- Outer dimensions: Ø 294 mm
- Installation dimensions: Ø 275 mm

Ø294

Designation	PU	Order no.
Service unit R10 f 5mm flooring eg	4	**VR10057011**
Service unit R10 f 5mm flooring ts	4	**VR10059005**
Service unit R10 f 12mm flooring eg	3	**VR10127011**
Service unit R10 f 12mm flooring ts	3	**VR10129005**

Cover inlay for service unit VR10

VEDER10P1

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: Ø 260 mm
- Material thickness: 1 mm - P1
  2 mm - P2

Ø260

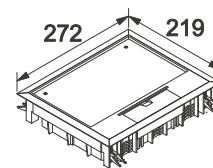| Designation	PU	Order no.
Cover inlay made of cardboard for VR10 1mm	300	**VEDER10P1**
Cover inlay made of cardboard for VR10 2mm	300	**VEDER10P2**

Service unit VE09

Properties:
- For up to 9 installation devices in
  3 device casings GTVR300, GBVR300, GTVD200
- Device casings can be lowered in increments down to 18 mm
- Including cable holder
- Outer dimensions: 219 x 272 mm
- Installation dimensions: 200 x 253 mm

VE09057011

272   219

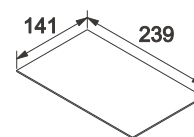| Designation	PU	Order no.
Service unit E09 f 5mm flooring eg	6	**VE09057011**
Service unit E09 f 5mm flooring ts	6	**VE09059005**
Service unit E09 f 12mm flooring eg	5	**VE09127011**
Service unit E09 f 12mm flooring ts	5	**VE09129005**

Cover inlay for service unit VE09

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: 141.3 x 239 mm
- Material thickness: 1 mm - P1
  2 mm - P2

VEDEE09P1

141   239

Designation	PU	Order no.
Cover inlay made of cardboard for VE09 1mm	300	**VEDEE09P1**
Cover inlay made of cardboard for VE09 2mm	300	**VEDEE09P2**

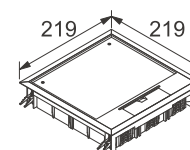**Service unit VQ06**

Properties:
- For up to 6 installation devices in
  2 device casings GTVR300, GBVR300, GTVD200
- Device casings can be lowered in increments down to 18 mm
- Including cable holder
- Outer dimensions: 219 x 219 mm
- Installation dimensions: 200 x 200 mm

VQ06057011

219   219

Designation	PU	Order no.
Service unit Q06 f 5mm flooring eg	7	**VQ06057011**
Service unit Q06 f 5mm flooring ts	7	**VQ06059005**
Service unit Q06 f 12mm flooring eg	6	**VQ06127011**
Service unit Q06 f 12mm flooring ts	6	**VQ06129005**

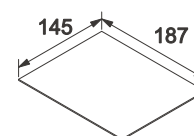**Cover inlay for service unit VQ06**

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: 145.3 x 187 mm
- Material thickness: 1 mm - P1
  2 mm - P2

VEDEQ06P1

145   187

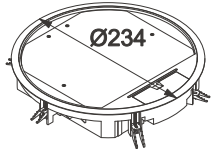| Designation	PU	Order no.
Cover inlay made of cardboard for VQ06 1mm	300	**VEDEQ06P1**
Cover inlay made of cardboard for VQ06 2mm	300	**VEDEQ06P2**

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Service unit VR06

Properties:
- For up to 6 installation devices in
  3 device casings GTVR300, GBVR300, GTVD200
- Device casings can be lowered in increments down to 18 mm
- Including cable holder
- Outer dimensions: Ø 234 mm
- Installation dimensions: Ø 215 mm

Ø234

VR06057011

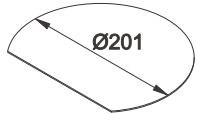| Designation	PU	Order no.
Service unit R06 f 5mm flooring eg	7	**VR06057011**
Service unit R06 f 5mm flooring ts	7	**VR06059005**
Service unit R06 f 12mm flooring eg	6	**VR06127011**
Service unit R06 f 12mm flooring ts	6	**VR06129005**

Cover inlay for service unit VR06

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: Ø 201 mm
- Material thickness: 1 mm - P1
                    2 mm - P2

Ø201

VEDER06P1

Designation	PU	Order no.
Cover inlay made of cardboard for VR06 1mm	300	**VEDER06P1**
Cover inlay made of cardboard for VR06 2mm	300	**VEDER06P2**

- Made of polyamide in accordance with DIN EN 50085-1 and -2-2 for dry rooms with dry-cleaned floors
- With carpet frame for 5 or 12 mm flooring thickness
- Universal mounting kit for installation in junction boxes, trunking systems, double floors or cavity floors

- Minimum installation depth with 5 mm flooring recess: 60 mm
- Minimum installation depth with: 12 mm flooring recess: 65 mm

Material
Polyamide

Available colours
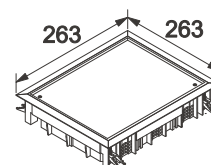RAL 7011, iron grey
RAL 9005, deep black

▶ from page 4.29

VDQ12057011

Cover VDQ12

Properties:
- Outer dimension: 263 x 263 mm
- Installation dimensions: 244 x 244 mm

263 263

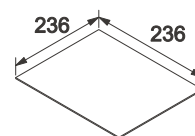| Designation	PU	Order no.
Cover Q12 f 5mm flooring eg	4	**VDQ12057011**
Cover Q12 f 5mm flooring ts	4	**VDQ12059005**
Cover Q12 f 12mm flooring eg	3	**VDQ12127011**
Cover Q12 f 12mm flooring ts	3	**VDQ12129005**

VDDEQ12P1

Cover inlay for cover VDQ12

Properties:
- Cover inlay made of cardboard to serve as spacer between cover and flooring
- Dimensions: 236 x 236 mm
- Material thickness: 1 mm - P1
                        2 mm - P2

236 236

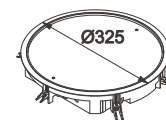| Designation	PU	Order no.
Cover inlay made of cardboard for VDQ12 1mm	300	**VDDEQ12P1**
Cover inlay made of cardboard for VDQ12 2mm	300	**VDDEQ12P2**

VDR12057011

Cover VDR12

Properties:
- Outer dimensions: Ø 325 mm
- Installation dimensions: Ø 306 mm

Ø325

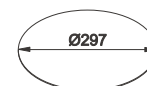| Designation	PU	Order no.
Cover R12 f 5mm flooring eg	4	**VDR12057011**
Cover R12 f 5mm flooring ts	4	**VDR12059005**
Cover R12 f 12mm flooring eg	3	**VDR12127011**
Cover R12 f 12mm flooring ts	3	**VDR12129005**

VDDER12P1

Cover inlay for cover VDR12

Properties:
- Cover inlay made of cardboard to serve as spacer between cover and flooring
- Dimensions: Ø 297 mm
- Material thickness: 1 mm - P1
                        2 mm - P2

Ø297

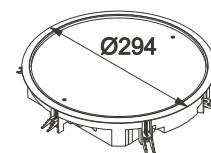| Designation	PU	Order no.
Cover inlay made of cardboard for VDR12 1mm	300	**VDDER12P1**
Cover inlay made of cardboard for VDR12 2mm	300	**VDDER12P2**

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VDR10057011

Cover VDR10

Properties:
- Outer dimensions: Ø 294 mm
- Installation dimensions: Ø 275 mm

Ø294

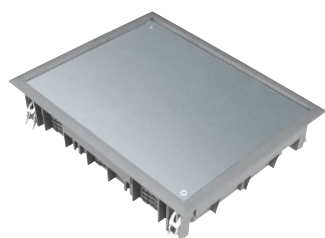| Designation	PU	Order no.
Cover R10 f 5mm flooring eg	4	**VDR10057011**
Cover R10 f 5mm flooring ts	4	**VDR10059005**
Cover R10 f 12mm flooring eg	3	**VDR10127011**
Cover R10 f 12mm flooring ts	3	**VDR10129005**

VDDER10P1

Cover inlay for cover VDR10

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: Ø 266 mm
- Material thickness: 1 mm - P1
                     2 mm - P2

Ø266

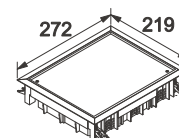| Designation	PU	Order no.
Cover inlay made of cardboard for VDR10 1mm	300	**VDDER10P1**
Cover inlay made of cardboard for VDR10 2mm	300	**VDDER10P2**

VDE09057011

Cover VDE09

Properties:
- Outer dimension: 219 x 272 mm
- Installation dimensions: 200 x 253 mm

272   219

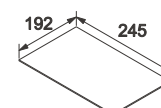| Designation	PU	Order no.
Cover E09 f 5mm flooring eg	6	**VDE09057011**
Cover E09 f 5mm flooring ts	6	**VDE09059005**
Cover E09 f 12mm flooring eg	5	**VDE09127011**
Cover E09 f 12mm flooring ts	5	**VDE09129005**

VDDEE09P1

Cover inlay for cover VDE09

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: 192 x 245 mm
- Material thickness: 1 mm - P1
                     2 mm - P2

192   245

Designation	PU	Order no.
Cover inlay made of cardboard for VDE09 1mm	300	**VDDEE09P1**
Cover inlay made of cardboard for VDE09 2mm	300	**VDDEE09P2**

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Cover VDQ06

Properties:
- Outer dimension: 219 x 219 mm
- Installation dimensions: 200 x 200 mm

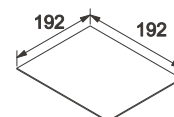| Designation	PU	Order no.
Cover Q06 f 5mm flooring eg	7	**VDQ06057011**
Cover Q06 f 5mm flooring ts	7	**VDQ06059005**
Cover Q06 f 12mm flooring eg	6	**VDQ06127011**
Cover Q06 f 12mm flooring ts	6	**VDQ06129005**

VDQ06057011

Cover inlay for cover VDQ06

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: 192 x 192 mm
- Material thickness: 1 mm - P1
  2 mm - P2

Designation	PU	Order no.
Cover inlay made of cardboard for VDQ06 1mm	300	**VDDEQ06P1**
Cover inlay made of cardboard for VDQ06 2mm	300	**VDDEQ06P2**

VDDEQ06P1

Cover VDR06

Properties:
- Outer dimensions: Ø 234
- Installation dimensions: Ø 215 mm
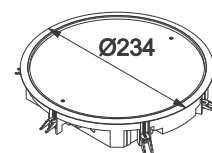
Designation	PU	Order no.
Cover R06 f 5mm flooring eg	7	**VDR06057011**
Cover R06 f 5mm flooring ts	7	**VDR06059005**
Cover R06 f 12mm flooring eg	1	**VDR06127011**
Cover R06 f 12mm flooring ts	1	**VDR06129005**

VDR06057011

Cover inlay for cover VDR06

Properties:
- Cover inlay made of cardboard to serve as spacer
  between cover and flooring
- Dimensions: Ø 207 mm
- Material thickness: 1 mm - P1
  2 mm - P2

Designation	PU	Order no.
Cover inlay made of cardboard for VDR06 1mm	300	**VDDER06P1**
Cover inlay made of cardboard for VDR06 2mm	300	**VDDER06P2**

VDDER06P1

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- Stainless-steel service units
- Made of stainless steel in accordance with DIN EN 60670-1 for dry rooms with dry-cleaned floors
- With carpet frame for 12 mm flooring thickness
- Universal mounting kit for installation in junction boxes, trunking systems, double floors or cavity floors
- Minimum installation depth with 12 mm flooring recess: 77 mm
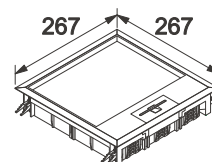
Material
Stainless steel

▶ from page 4.29

VEQ1212E

Service unit VQ12 made of stainless steel

Properties:
- For up to 12 installation devices in 3 device casings GTVR400, GBVR400, GTVD300
- Device casings can be lowered in increments down to 18 mm
- Outer dimensions: 267 x 267 mm
- Installation dimensions: 244 x 244 mm

267 267

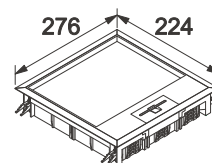| Designation	PU	Order no.
Service unit Q12 made of stainless steel	1	**VEQ1212E**

VEE0912E

Service unit VE09 made of stainless steel

Properties:
- For up to 9 installation devices in 3 device casings GTVR300, GBVR300, GTVD200
- Device casings can be lowered in increments down to 18 mm
- Outer dimensions: 224 x 276 mm
- Installation dimensions: 200 x 253 mm

276 224

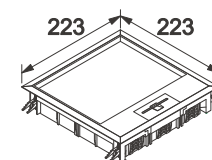| Designation	PU	Order no.
Service unit E09 made of stainless steel	1	**VEE0912E**

VEQ0612E

Service unit VQ06 made of stainless steel

Properties:
- For up to 6 installation devices in 2 device casings GTVR300, GBVR300, GTVD200
- Device casings can be lowered in increments down to 18 mm
- Outer dimensions: 223 x 223 mm
- Installation dimensions: 200 x 200 mm

223 223

Designation	PU	Order no.
Service unit Q06 made of stainless steel	1	**VEQ0612E**

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- Height-adjustable stain-less-steel cassettes for dry-cleaned and wet-cleaned floors
- Load-bearing capacity in accordance with DIN EN 60670-1, -23 up to 1500 N
- Two variants:
- Q06: Installation opening: 200 x 200 mm for up to 6 installation devices in 2 device casings GTVR300, GBVR300 or GTVD200
- Q12: Installation opening: 244 x 244 mm for up to 12 installation devices in 3 device casings GTVR400, GBVR400 or GTVD300

- Device casings can be lowered in increments down to 18 mm
- Also fits a snap-in ladder extension
- Two cassette heights:
  1: Cassette height 23 mm inside, 28 mm outside
  2: Cassette height 38 mm inside, 43 mm outside
- Minimum installation depth from top edge of finished floor: 100 x 115 mm
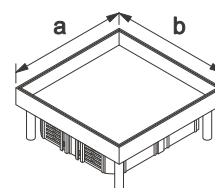
Material
Stainless steel

Note
Order one levelling set EKNS per cassette as an option

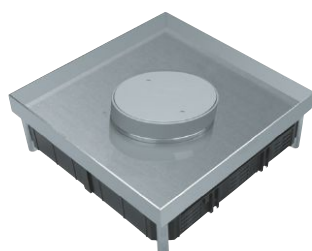**Height-adjustable stainless-steel cassette, blank, square, for wet-cleaned floors**

EKQ0600BL1

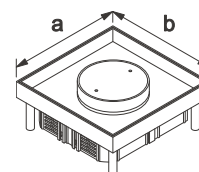| Designation	a [mm]	b [mm]	PU	Order no.
Stainless-steel cassette Q06 BL outer height 28mm	200	200	1	**EKQ0600BL1**
Stainless-steel cassette Q06 BL outer height 43mm	200	200	1	**EKQ0600BL2**
Stainless-steel cassette Q12 BL outer height 28mm	244	244	1	**EKQ1200BL1**
Stainless-steel cassette Q12 BL outer height 43mm	244	244	1	**EKQ1200BL2**

Height-adjustable stainless-steel cassette, with tube mounting set, square, for wet-cleaned floors
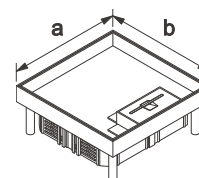
Properties:
- The tube cable outlet is not included in the supply

EKQ0600TM1

Designation	a [mm]	b [mm]	PU	Order no.
Stainless-steel cassette Q06 TM outer height 28mm	200	200	1	**EKQ0600TM1**
Stainless-steel cassette Q06 TM outer height 43mm	200	200	1	**EKQ0600TM2**
Stainless-steel cassette Q12 TM outer height 28mm	244	244	1	**EKQ1200TM1**
Stainless-steel cassette Q12 TM outer height 43mm	244	244	1	**EKQ1200TM2**

Height-adjustable stainless-steel cassette with cable outlet, square, for wet-cleaned floors

Properties:
- Cable outlet variant: rectangular (LE)

EKQ0600LE1

Designation	a [mm]	b [mm]	PU	Order no.
Stainless-steel cassette Q06 LE outer height 28mm	200	200	1	**EKQ0600LE1**
Stainless-steel cassette Q06 LE outer height 43mm	200	200	1	**EKQ0600LE2**
Stainless-steel cassette Q12 LE outer height 28mm	244	244	1	**EKQ1200LE1**
Stainless-steel cassette Q12 LE outer height 43mm	244	244	1	**EKQ1200LE2**

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- Height-adjustable stainless-steel cassettes for dry-cleaned and wet-cleaned floors
- Load-bearing capacity in accordance with DIN EN 60670-1, -23: up to 1500 N
- Two variants:
- R06: Installation opening: Ø 215 mm for up to 6 installation devices in 2 device casings GTVR300, GBVR300 or GTVD200
- R12: Installation opening: Ø 306 mm for up to 12 installation devices in 3 device casings GTVR400, GBVR400 or GTVD300

- Device casings can be lowered in increments down to 18 mm
- Also fits a snap-in ladder extension
- Two cassette heights:
  1: Cassette height 23 mm inside, 28 mm outside
  2: Cassette height 38 mm inside, 43 mm outside
- Minimum installation depth from top edge of finished floor: 100 x 115 mm
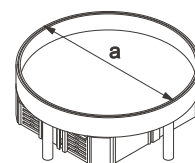
Material
Stainless steel

Note
Order one levelling set for cassettes EKNS per cassette as an option

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Height-adjustable stainless-steel cassette, blank, round, for wet-cleaned floors

EKR0600BL1

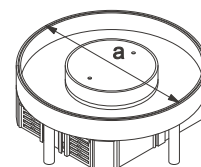| Designation	a [mm]	PU	Order no.
Stainless-steel cassette R06 BL outer height 28mm	215	1	**EKR0600BL1**
Stainless-steel cassette R06 BL outer height 43mm	215	1	**EKR0600BL2**
Stainless-steel cassette R12 BL outer height 28mm	300	1	**EKR1200BL1**
Stainless-steel cassette R12 BL outer height 43mm	300	1	**EKR1200BL2**

Height-adjustable stainless-steel cassette, with tube mounting set, round, for wet-cleaned floors

Properties:
- The tube cable outlet is not included in the supply

EKR0600TM1

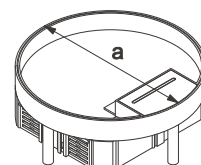| Designation	a [mm]	PU	Order no.
Stainless-steel cassette R06 TM outer height 28mm	215	1	**EKR0600TM1**
Stainless-steel cassette R06 TM outer height 43mm	215	1	**EKR0600TM2**
Stainless-steel cassette R12 TM outer height 28mm	300	1	**EKR1200TM1**
Stainless-steel cassette R12 TM outer height 43mm	300	1	**EKR1200TM2**

Height-adjustable stainless-steel cassette with square cable outlet for dry-cleaned floors

Properties:
- Cable outlet variant: rectangular (LE)

EKR0600LE1

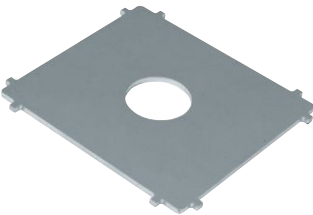| Designation	a [mm]	PU	Order no.
Stainless-steel cassette R06 LE outer height 28mm	215	1	**EKR0600LE1**
Stainless-steel cassette R06 LE outer height 43mm	215	1	**EKR0600LE2**
Stainless-steel cassette R12 LE outer height 28mm	300	1	**EKR1200LE1**
Stainless-steel cassette R12 LE outer height 43mm	300	1	**EKR1200LE2**

Tube cable outlet

TULAA105

Properties:
- Floor-protruding cable outlet made of aluminium
- Without tube blank lid
- Outer diameter: 105 mm
- Inner diameter: 80 mm
- Material: Aluminium, naturally anodised

Designation	PU	Order no.
Tube cable outlet, aluminium w/o cover	1	**TULAA105**

Pin wrench

Properties:
- For removal and installation of tube blank lid

Designation	PU	Order no.
Pin wrench for tube blank lid	1	**TUSS000**

TUSS000

Levelling set for cassette cover

Properties:
- Comprises 4 x studs M8, 4 x lock nuts M8, 4 x foot retainers
- Levelling range relates to top edge of finished floor

Designation Levelling range	PU	Order no.
Levelling set f stainless-steel cass. 100-150mm	1	**EKNS075**
Levelling set f stainless-steel cass. 145-195mm	1	**EKNS120**
Levelling set f stainless-steel cass. 190-240mm	1	**EKNS165**

EKNS075

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- Stand-alone, robust under-
  floor junction box system with
  traversable cassette cover, for
  dry rooms with dry-cleaned or
  wet-cleaned floors
- Maximum load-bearing
  capacity: 20 kN
- The minimum installation height
  of this cassette is 100 mm,
  plus the height of the trunking
  connected

Material
Stainless steel / steel

Note
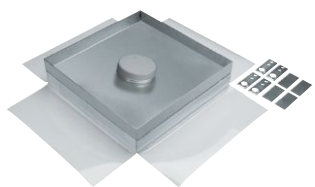Order one levelling set for cas-
settes EKSNS per cassette as
an option

Heavy-duty cassette Q405 blank

Properties:
- Outer dimension: 405 x 405 mm
- Cassette cover outer dimension: 44 mm
- Cassette cover inner dimension: 28 mm

EKSQ405BL

Designation	PU	Order no.
Stainless-steel cassette Q405 blank 20 kN	1	**EKSQ405BL**

Heavy-duty cassette Q405 with tube mounting set

Properties:
- Outer dimension: 405 x 405 mm
- Cassette cover outer dimension: 44 mm
- Cassette cover inner dimension: 28 mm
- A snap-in latching rail is required in order to
  use installation devices
- The snap-in latching rail accepts up to 12 installation
  devices in 3 device casings

EKSQ405TM

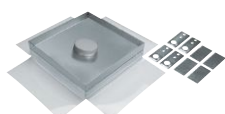| Designation	PU	Order no.
Stainless-steel cassette Q405 TM 20 kN	1	**EKSQ405TM**
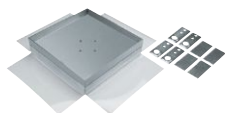
Heavy-duty cassette Q12 blank

Properties:
- Outer dimension: 243 x 234 mm
- Cassette cover outer dimension: 38 mm
- Cassette cover inner dimension: 23 mm

EKSQ1220BL

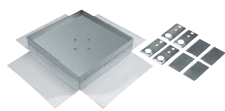| Designation	PU	Order no.
Stainless-steel cassette Q12 blank 20 kN	1	**EKSQ1220BL**

Heavy-duty cassette Q12 with tube mounting set

Properties:
- Outer dimension: 243 x 234 mm
- Cassette cover outer dimension: 38 mm
- Cassette cover inner dimension: 23 mm
- Fitting installation devices requires a snap-in latching rail
- The snap-in latching rail accepts up to 12 installation
  devices in 3 device casings

EKSQ1220TM

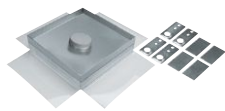| Designation	PU	Order no.
Stainless-steel cassette Q12 TM 20 kN	1	**EKSQ1220TM**

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EKSQ0620BL

Heavy-duty cassette Q06 blank

Properties:
- Outer dimension: 200 x 200 mm
- Cassette cover outer dimension: 34 mm
- Cassette cover inner dimension: 23 mm

Designation	PU	Order no.
Stainless-steel cassette Q06 blank 20 kN	1	**EKSQ0620BL**

EKSQ0620TM

Heavy-duty cassette Q06 with tube mounting set

Properties:
- Outer dimension: 200 x 200 mm
- Cassette cover outer dimension: 34 mm
- Cassette cover inner dimension: 23 mm
- Fitting installation devices requires a snap-in latching rail
- The snap-in latching rail accepts up to 6 installation devices
  in 2 device casings

Designation	PU	Order no.
Stainless-steel cassette Q06 TM 20 kN	1	**EKSQ0620TM**

Heavy-duty cassette R12 blank

Properties:
- Outer dimension: Ø 305 mm
- Cassette cover outer dimension: 38 mm
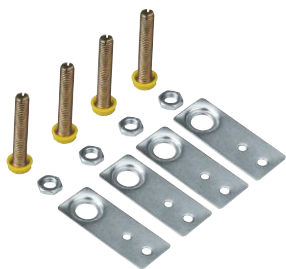- Cassette cover inner dimension: 23 mm

Designation	PU	Order no.
Stainless-steel cassette R12 blank 20 kN	1	**EKSR1220BL**

Heavy-duty cassette R12 with tube mounting set

Properties:
- Outer dimension: Ø 305 mm
- Cassette cover outer dimension: 38 mm
- Cassette cover inner dimension: 23 mm
- Fitting installation devices requires a snap-in latching rail
- The snap-in latching rail accepts up to 12 installation devices
  in 3 device casings

Designation	PU	Order no.
Stainless-steel cassette R12 TM 20 kN	1	**EKSR1220TM**

Heavy-duty cassette R06 blank

Properties:
- Outer dimension: Ø 215 mm
- Cassette cover outer dimension: 34 mm
- Cassette cover inner dimension: 23 mm

Designation	PU	Order no.
Stainless-steel cassette R06 blank 20 kN	1	**EKSR0620BL**

Heavy-duty cassette R06 with tube mounting set

Properties:
- Outer dimension: Ø 215 mm
- Cassette cover outer dimension: 38 mm
- Cassette cover inner dimension: 23 mm
- Fitting installation devices requires a snap-in latching rail
- The snap-in latching rail accepts up to 6 installation devices
  in 2 device casings

Designation	PU	Order no.
Stainless-steel cassette R06 TM 20 kN	1	**EKSR0620TM**

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Levelling set for heavy-duty cassette

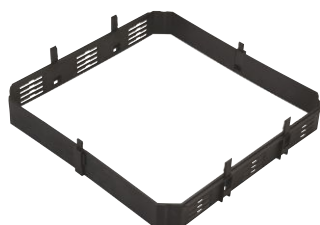**Properties:**
- Comprising 4 x studs M12 with insulation cap and retaining tab
- Levelling range relates to top edge of finished floor

EKSNS070

Designation Levelling range	PU	Order no.
Levelling set f cassette 20 kN 115-150mm	1	**EKSNS070**
Levelling set f cassette 20 kN 150-180mm	1	**EKSNS100**
Levelling set f cassette 20 kN 170-200mm	1	**EKSNS120**

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Technical changes reserved

- For incremental lowering of device casings down to 30 mm
- Snap-in ladder extensions can be stacked
- The snap-in ladder extension is supplied in 2 pieces that are plugged together on site

▶ from page 4.29

Snap-in ladder extension RLV1230

Properties:
- Fits VQ12/R12

Designation	PU	Order no.
Snap-in ladder extension f Q12 R12 um 30mm	75	**RLV1230**

RLV1230

Snap-in ladder extension RLVR1030

Properties:
- Fits VR10

Designation	PU	Order no.
Snap-in ladder extension f R10 um 30mm	20	**RLVR1030**
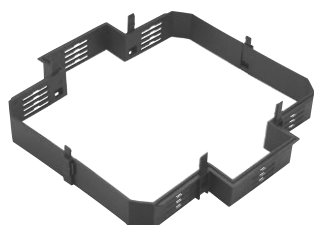
RLVR1030

Snap-in ladder extension RLVE0930

Properties:
- Fits VE09

Designation	PU	Order no.
Snap-in ladder extension f E09 by 30mm	32	**RLVE0930**
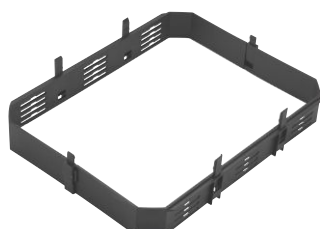
RLVE0930
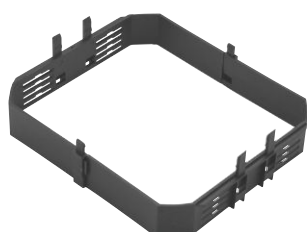
Snap-in ladder extension RLV0630

Properties:
- Fits VQ06/R06

Designation	PU	Order no.
Snap-in ladder extension f Q06 R06 by 30mm	135	**RLV0630**

RLV0630

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- Junction boxes for dry rooms with dry-cleaned or wet-cleaned floors, for flush installation into finished floor
- For floorings with a maximum thickness of 30 mm, including adhesive, e.g. for wood, stone or tile flooring
- As device casing for an installation device, for the connection of max. 2 pipes M20/M25

- Top edge of junction box equals the height of the finished floor
- Complete with cover, one sealing strip and one pipe inlet
- Includes support ring for 1 support bracket device

Material
Cast upper part made of aluminium, lower part made of plastic

Installation height
90 – 115 mm

► from page 4.29
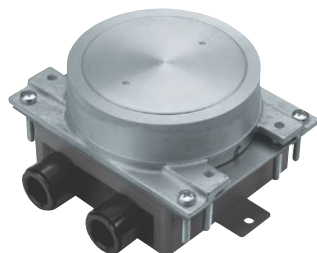
Junction box, round

Properties:
- Upper part made of aluminium

Designation	PU	Order no.
Junction box, round, 125 mm, upper part alum.	1	**UDAR125A**
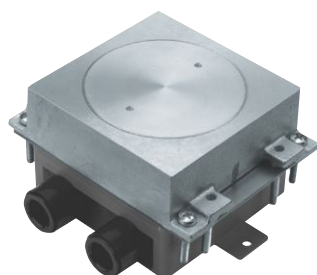
UDAR125A

Junction box, square

Properties:
- Upper part made of aluminium

Designation	PU	Order no.
Junction box, square, 125 mm, upper part alum.	1	**UDAQ125A**

UDAQ125A

Cable outlet for junction boxes

Properties:
- Replaces existing blank cover
- With hinged cover and notch for cable outlet

Designation	PU	Order no.
Cable outlet for junction box UDAR/Q	1	**UDLA0000**

UDLA0000

Schuko socket

Properties:
- 2-pole 16 A/250 V

Designation	PU	Order no.
Schuko socket, 2-pole pure white	10	**ESN19010**

ESN19010

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Complete underfloor junction box package, stainless steel

UDKPQ06E

Properties:
- Including stainless-steel cassette Q06, two device casings
  GBVR300, casing cover GBMBV23T2, 2 partition walls GTVRT00,
  triple socket ESR3339010 with cover GBMBV34R3
- With factory-mounted footfall sound insulation
- 4 set screws M8
- Screed cover including screws
- Minimum installation height 105 mm
- Levelling range + 50 mm
- M20 / M25 cut-outs for the connection of installation pipes
- Installation opening 200 x 200 mm

Designation	PU	Order no.
Compl pack junct. box incl ss cass. Q06	1	**UDKPQ06E**

Complete underfloor junction box package

UDKPQ067011

Properties:
- Including service unit VQ06, two device casings GBVR300,
  casing cover GBMBV23T2, 2 partition walls GTVRT00,
  triple socket ESR3339010 with cover GBMBV34R3
- With factory-mounted footfall sound insulation
- 4 set screws M8
- Screed cover including fastening screws
- Minimum installation height 95 mm
- M20 / M25 cut-outs for the connection of installation pipes
- Installation opening 200 x 200 mm

Designation	PU	Order no.
Compl pack junct. box incl VQ06 iron grey	1	**UDKPQ067011**
Compl pack junct. box incl VQ06 deep black	1	**UDKPQ069005**

Junction box

UDBDQ06

Properties:
- Junction box accepting service units VQ06 and VEQ06 or
  cassettes EKQ06
- With factory-mounted footfall sound insulation
- Screed cover including Fastening screws
- Minimum installation height 95 mm
- M20 / M25 cut-outs for the connection of installation pipes
- Installation opening 200 x 200 mm

Designation	PU	Order no.
Junction box for VQ06 or KQ06	1	**UDBDQ06**

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- Massive, high-quality junction box made of brushed stainless steel or bronze casting.
- Protection class IP20 Traversable variant. Unobtrusive and noble appeal. Suitable for floors, walls or furniture.

- Furnished with a Rastec 45 socket and a RJ45 data module
- Carpet frame overlaps flooring trim edge

▶

Floor socket, square

Properties:
- Minimum installation depth: 60 mm
- Installation dimensions: 101 x 101 mm
- E - stainless steel
- B - bronze

Designation	PU	Order no.
Floor socket square single a. RJ45 stainl.	1	**BSQRJ45R45E**
Floor socket round single a. RJ45 bronze	1	**BSQRJ45R45B**

BSQRJ45R45E

Floor socket, round

Properties:
- Minimum installation depth: 60 mm
- Installation dimensions: 101 x 101 mm
- E - stainless steel
- B - bronze

Designation	PU	Order no.
Floor socket round single a. RJ45 stainl.	1	**BSRRJ45R45E**
Floor socket round single a. RJ45 bronze	1	**BSRRJ45R45B**

BSRRJ45R45E

Floor socket, square, with wing opening

Properties:
- Minimum installation depth: 48 mm
- Installation dimensions: 107 x 107 mm
- E - stainless steel
- B - bronze

Designation	PU	Order no.
Floor socket, wing, single a. RJ45 stainl.	1	**BSFRJ45R45E**
Floor socket, wing, single a. RJ45 bronze	1	**BSFRJ45R45B**

BSFRJ45R45E

- Pedestal boxes made of poly-
  amide for installation projecting
  the floor
- For two voltage types max.

Material
Polyamide

Available colours
RAL 7011, iron grey
RAL 9005, deep black ▶ from page 4.29
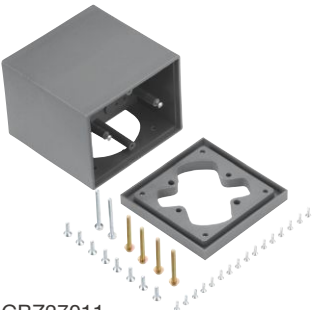
Pedestal box 2

Properties:
- Two installation fields, one front and one rear

Designation	PU	Order no.
GB pedestal box 2 inst. fields eg	1	**GBZ27011**
GB pedestal box 2 inst. fields ts	1	**GBZ29005**

GBZ27011

Pedestal box 4

Properties:
- Four installation fields, two front and two rear
- Including 2 partition walls

Designation	PU	Order no.
GB pedestal box 4 inst. fields eg	1	**GBZ47011**
GB pedestal box 4 inst. fields ts	1	**GBZ49005**
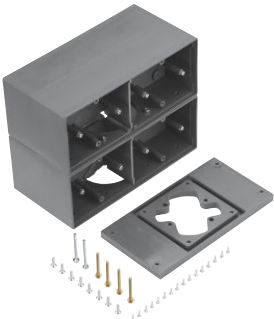
GBZ47011

Pedestal box 8

Properties:
- Eight installation fields, four front and four rear
- Including 4 partition walls

Designation	PU	Order no.
GB pedestal box 8 inst. fields eg	1	**GBZ87011**
GB pedestal box 8 inst. fields ts	1	**GBZ89005**

GBZ87011

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Installation wall, blank

Properties:
- Installation walls for each installation field of the pedestal boxes
- Blank

Designation	PU	Order no.
Installation wall, blank, f 1 inst. field eg	10	**GBZWB7011**
Installation wall, blank, f 1 inst. field ts	50	**GBZWB9005**

GBZWB7011

Installation wall standard D

Properties:
- Installation walls for each installation field of the pedestal boxes
- For installation of support bracket devices

Designation	PU	Order no.
Installation wall std.D f 1 inst. field eg	50	**GBZWN7011**
Installation wall std.D f 1 inst. field ts	50	**GBZWN9005**

GBZWN7011

Installation wall for 1 x Rastec 50

Properties:
- Installation walls for each installation field of the pedestal boxes
- Installation of a Rastec 45 device requires adapter frame
  GBMAR5045

Designation	PU	Order no.
Installation wall 1xRtc f 1 inst. field eg	10	**GBZWR17011**
Installation wall 1xRtc f 1 inst. field ts	50	**GBZWR19005**

GBZWR17011

Installation wall for 2 x Rastec 50

Properties:
- Installation walls for each installation field of the pedestal boxes
- Installation of two Rastec 45 devices requires two adapter frames
  GBMAR5045

Designation	PU	Order no.
Installation wall 2xRtc f 1 inst. field eg	10	**GBZWR27011**
Installation wall 2xRtc f 1 inst. field ts	50	**GBZWR29005**

GBZWR27011

Installation wall CEE

Properties:
- Installation walls for each installation field of the pedestal boxes
- For installation of CEE devices

Designation	PU	Order no.
Installation wall CEE f 1 inst. field eg	10	**GBZWC7011**
Installation wall CEE f 1 inst. field ts	10	**GBZWC9005**

GBZWC7011

Technical changes reserved

GBZKR00

Clamping ring

Properties:
- Required for assembly of pedestal box bases on
  screed-embedded trunking systems, cavity floors or double floors

Designation	PU	Order no.
Clamping ring for assembly with UK HB or DB	1	**GBZKR00**

- Hinged cover with carpet frame made of polyamide in accordance with DIN EN 50085-1 and -2-2
- Mounting kit with a clamping range of 5 - 15 mm plus the flooring thickness stated on the hinged cover for junction boxes, flush floor trunking system, floor-mounted trunking system

- For 5 mm or 12 mm flooring height
- Installation height: from 50 mm

Material
Polyamide

Available colours
RAL 7011, iron grey
RAL 9005, deep black

Note
Other flooring thicknesses and mounting systems are available upon request

▶ from page 4.29

Hinged cover KDQ08 for ultra-low installation depth

Properties:
- For up to 8 installation devices in 4 device casings GBES2 or GBM5050
- Outer dimension of flooring frame: 314 x 314 mm
- Installation dimensions: 294 x 294 mm

314   314
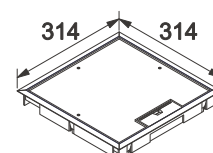
KDQ08057011

Designation	PU	Order no.
Hinged cover Q08 for 5mm flooring eg	4	**KDQ08057011**
Hinged cover Q08 for 5mm flooring ts	4	**KDQ08059005**
Hinged cover Q08 for 12mm flooring eg	4	**KDQ08127011**
Hinged cover Q08 for 12mm flooring ts	4	**KDQ08129005**
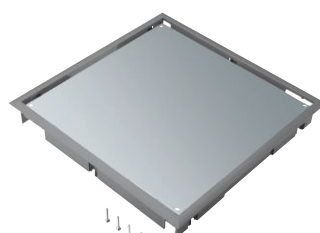
Blank cover BDQ08 for ultra-low installation depth

Properties:
- Outer dimension of flooring frame: 314 x 314 mm
- Installation dimensions: 294 x 294 mm

314   314
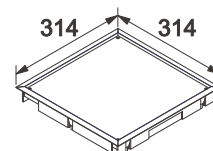
BDQ08057011

Designation	PU	Order no.
Blank cover Q08 for 5mm flooring thickness eg	1	**BDQ08057011**
Blank cover Q08 for 5mm flooring thickness ts	1	**BDQ08059005**
Blank cover Q08 for 12mm flooring thickness eg	1	**BDQ08127011**
Blank cover Q08 for 12mm flooring thickness ts	1	**BDQ08129005**

Hinged cover KDE04 for ultra-low installation depth

Properties:
- For up to 4 installation devices in 2 device casings GBES2 or GBM5050
- Outer dimension of flooring frame: 161 x 261 mm
- Installation dimensions: 147 x 247 mm

261   161
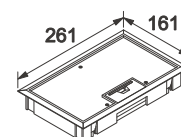
KDE04057011

Designation	PU	Order no.
Hinged cover E04 for 5mm flooring thickness eg	9	**KDE04057011**
Hinged cover E04 for 5mm flooring thickness ts	9	**KDE04059005**
Hinged cover E04 for 8mm flooring thickness eg	9	**KDE04087011**
Hinged cover E04 for 8mm flooring thickness ts	9	**KDE04089005**

Blank cover BDE04 for ultra-low installation depth

Properties:
- Outer dimension of flooring frame: 161 x 261 mm
- Installation dimensions: 147 x 247 mm

261   161
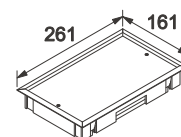
BDE04057011

Designation	PU	Order no.
Blank cover E04 for 5mm flooring thickness eg	1	**BDE04057011**
Blank cover E04 for 5mm flooring thickness ts	1	**BDE04059005**
Blank cover E04 for 8mm flooring thickness eg	1	**BDE04087011**
Blank cover E04 for 8mm flooring thickness ts	1	**BDE04089005**

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Device casing for hinged cover

Properties:
- Device casing for hinged cover KDQ08 and KDE04
- With 2 Schuko sockets, 2-pole, 16 A / 250 V
- Including 2 strain reliefs
- 50 mm installation depth from top edge of finished floor
- Delivery colours of power sockets: RAL 9010 pure white,
  RAL 2004 pure orange, RAL 3000 blazing red

GBES29010

Designation	PU	Order no.
Dev. cas. for KDQ08/E04 power socket, 2x rw	125	**GBES29010**
Dev. cas. for KDQ08/E04 power socket, 2x or	125	**GBES22004**
Dev. cas. for KDQ08/E04 power socket, 2x ro	125	**GBES23000**
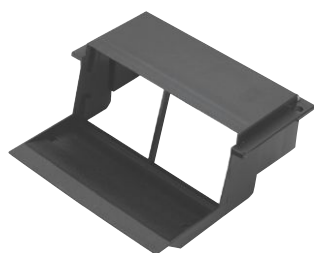
Device casing for data systems technology for hinged cover

Properties:
- Device casing for hinged cover KDQ08 and KDE04
- For 2 installation devices Rastec 50 x 50 mm
- Installation of two Rastec 45 devices requires two
  adapter frames GBMAR5045
- Including 2 strain reliefs
- 60 mm installation depth from top edge of finished floor

GBM5050

Designation	PU	Order no.
Dev. cas. for KDQ08/E04 f 2 Inst.dev. R 50	125	**GBM5050**

Adapter frame

Properties:
- Adapter frame from Rastec 50 x 50 mm to Rastec 45 x 45 mm

Designation	PU	Order no.
Dev. cas. adapter frame Rastec R50 to R45	1250	**GBMAR5045**

GBMAR5045

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VANR1200

Ø 325

Service unit for wet-cleaned floors for the installation tube cable outlet made of aluminium

Properties:
- Service unit with flooring frame made of aluminium for wet-cleaned floors
- Protection rating IP 66
- Full-aluminium cover with grooved structure
- For up to 12 installation devices in 3 device casings GTVR400, GBVR400 or GTVD300
- Device casings can be lowered in increments down to 18 mm
- Mounting kit for double floors upon request
- A tube cable outlet made of aluminium must be ordered as an option if required
- Outer dimension of flooring frame: Ø 325 mm
- Installation opening dimension: Ø 306 mm
- Installation height from 70 mm for GBVR400 and GTVD300
- Installation height from 80 mm for GTVR400
- Material: Aluminium
- Variant:
  R - Aluminium grooved structure
  R ts - aluminium grooved structure with deep black accents
  HB - with mounting kit for cavity floor
  BD - with mounting kit for junction boxes

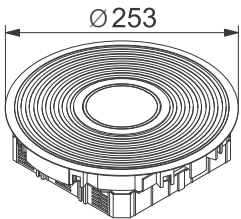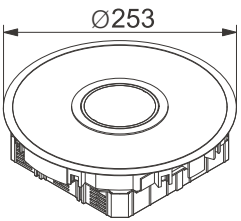| Designation	PU	Order no.
Serv.unit R12 w set HB wet Al-Tub R	3	**VANR1200**
Serv.unit R12 w set BD wet Al-Tub R	3	**VANR1201**
Serv.unit R12 w set HB wet Al-Tub R ts	1	**VANR12009005**
Serv.unit R12 w set BD wet Al-Tub R ts	1	**VANR12019005**

VANR12003

Ø 325

Service unit for wet-cleaned floors for the installation tube cable outlet made of aluminium

Properties:
- Service unit with flooring frame made of aluminium for wet-cleaned floors
- Protection rating IP 66
- Full-aluminium cover, also fits bonded floorings of 3 mm thickness (e. g. PVC, Linoleum or chequered aluminium panel)
- For up to 12 installation devices in 3 device casings GTVR400, GBVR400 or GTVD300
- Device casings can be lowered in increments down to 18 mm
- Mounting kit for double floors upon request
- A tube cable outlet made of aluminium must be ordered as an option if required
- Outer dimension of flooring frame: Ø 325 mm
- Installation opening dimension: Ø 306 mm
- Installation height from 70 mm for GBVR400 and GTVD300
- Installation height from 80 mm for GTVR400
- Material: Aluminium
- Variant:
  HB - with mounting kit for cavity floor
  BD - with mounting kit for junction boxes

Designation	PU	Order no.
Serv.unit R12 w set HB wet Al-Tub 3mm	1	**VANR12003**
Serv.unit R12 w wet BD wet Al-Tub 3mm	1	**VANR12013**

VANR1200TU

Service unit for wet-cleaned floors with tube cable outlet made of polyamide

Properties:
- Service unit with flooring frame made of aluminium for wet-cleaned floors
- Protection rating IP 66
- Full-aluminium cover with grooved structure
- For up to 12 installation devices in 3 device casings GTVR400, GBVR400 or GTVD300
- Device casings can be lowered in increments down to 18 mm
- Mounting kit for double floors upon request
- A tube cable outlet made of polyamide is integrated in the cover and can be used as line outlet if reversed by 180°
- Outer dimension of flooring frame: Ø 325 mm
- Installation opening dimension: Ø 306 mm
- Installation height from 105 mm for GBVR400 and GTVD300
- Installation height from 115 mm for GTVR400
- Material: Aluminium
- Variant:
  R - Aluminium grooved structure
  R ts - aluminium grooved structure with deep black accents
  HB - with mounting kit for cavity floor
  BD - with mounting kit for junction boxes

Ø 325

Designation	PU	Order no.
Serv.unit R12 w set HB wet PA-Tub Al R	1	**VANR1200TU**
Serv.unit R12 w set BD wet PA-Tub Al R	1	**VANR1201TU**
Serv.unit R12 w set HB wet PA-T Al R ts	1	**VANR12009005TU**
Serv.unit R12 w set BD wet PA-T Al R ts	1	**VANR12019005TU**

VANR12003TU

Service unit for wet-cleaned floors with tube cable outlet made of polyamide

Properties:
- Service unit with flooring frame made of aluminium for wet-cleaned floors
- Full-aluminium cover, also fits bonded floorings of 3 mm thickness (e. g. PVC, Linoleum or chequered aluminium panel)
- For up to 12 installation devices in 3 device casings GTVR400, GBVR400 or GTVD300
- Device casings can be lowered in increments down to 18 mm
- Mounting kit for double floors upon request
- A tube cable outlet made of polyamide is integrated in the cover and can be used as line outlet if reversed by 180°
- Outer dimension of flooring frame: Ø 325 mm
- Installation dimensions: Ø 306 mm
- Installation height from 105 mm for GBVR400 and GTVD300
- Installation height from 115 mm for GTVR400
- Material: Aluminium
- Variant:
  HB - with mounting kit for cavity floor
  BD - with mounting kit for junction boxes

Ø 325
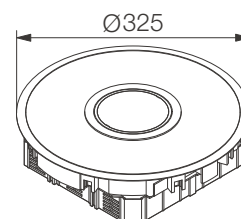
Designation	PU	Order no.
Serv.unit R12 w set HB wet PA-T Al 3mm	1	**VANR12003TU**
Serv.unit R12 w set BD wet PA-T Al 3mm	1	**VANR12013TU**

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Service unit for wet-cleaned floors for the installation of tube cable outlets made of aluminium

Ø 253

Properties:
- Service unit with flooring frame made of aluminium for wet-cleaned floors
- Full-aluminium cover with grooved structure
- For up to 6 installation devices in 3 device casings GTVR300, GBVR300 or GTVD200
- Device casings can be lowered in increments down to 18 mm
- Mounting kit for double floors upon request
- A tube cable outlet made of aluminium must be ordered as an option if required
- Outer dimension of flooring frame: Ø 253 mm
- Installation dimensions: Ø 242 mm
- Installation height from 70 mm for GBVR300 and GTVD200
- Installation height from 80 mm for GTVR300
- Material: Aluminium
- Variant:
  HB - with mounting kit for cavity floor
  BD - with mounting kit for junction boxes

VANR2009005

Designation	PU	Order no.
Serv.unit R2 w set HB wet Al-Tub R ts	1	**VANR2009005**
Serv.unit R2 w set BD wet Al-Tub R ts	1	**VANR2019005**

Service unit for wet-cleaned floors for the installation of tube cable outlets made of aluminium

Ø 253

Properties:
- Service unit with flooring frame made of aluminium for wet-cleaned floors
- Full-aluminium cover, also fits bonded floorings of 3 mm thickness (e. g. PVC, linoleum or chequered aluminium panel)
- For up to 6 installation devices in 3 device casings GTVR300, GBVR300 or GTVD200
- Device casings can be lowered in increments down to 18 mm
- Mounting kit for double floors upon request
- A tube cable outlet made of aluminium must be ordered as an option if required
- Outer dimension of flooring frame: Ø 253 mm
- Installation dimensions: Ø 242 mm
- Installation height from 70 mm for GBVR300 and GTVD200
- Installation height from 80 mm for GTVR300
- Material: Aluminium
- Variant:
  HB - with mounting kit for cavity floor
  BD - with mounting kit for junction boxes

VANR2003

Designation	PU	Order no.
Serv.unit R2 w set HB wet Al-Tub 3mm	1	**VANR2003**
Serv.unit R2 w set BD wet Al-Tub 3mm	1	**VANR2013**

Service units - Installation units

Identifier	Shape/number of installation devices	Flooring cutout /cover inlay - cardboard	Colour/material
V = service unit VE = Service unit made of stainless steel VD = Cover VEDE = service unit cover inlay VDDE = cover inlay	**Y** R06 = round 215 mm R10 = round 275 mm R12 = round 306 mm Q06 = square 200 x 200 mm Q12 = square 244 x 244 mm E09 = square 200 x 253 mm	**Y** 05 = 5 mm flooring cutout 12 = 12 mm flooring cutout P1 = cover inlay with 1 mm material thickness P2 = cover inlay with 2 mm material thickness	**Z** 7011 = RAL 7011, iron grey 9005 = RAL 9005, deep black E = stainless steel

Service units - installation units - height-adjustable stainless-steel cassettes

Identifier Material	Shape/number of installation devices	Variant	Cassette height
EK = stainless-steel cassette	**X** R06 = round 215 mm R12 = round 306 mm Q06 = square 200 x 200 mm Q12 = square 244 x 244 mm	**Y** 00BL = blank 00TM = tube mounting set 00LE = cable outlet, square	**Z** 1 = 23 mm inside - 28 mm outside 2 = 38 mm inside - 43 mm outside

Service units - installation units, height-adjustable stainless-steel cassettes - accessories - tube cable outlets

Identifier	Type	Material	Outer diameter
TU = tube	**X** LA = cable outlet SS000 = pin wrench	**Y** A = aluminium	**Z** 105 = 105 mm

Service units - installation units, height-adjustable stainless-steel cassettes - accessories - levelling set

Identifier	Type	Levelling range
EK = stainless-steel cassette	**Y** NS = levelling set	**Z** 075 = 100 - 150 mm 120 = 145 - 195 mm 165 = 190 - 240 mm

Service units - installation units - heavy-duty stainless-steel cassettes

Identifier Material	Shape/number of installation devices	Max. Load-bearing capacity	Variant
EKS = heavy-duty stainless-steel cassette	**X** R06 = round 215 mm R12 = round 306 mm Q405 = square 405 x 405 mm Q06 = square 200 x 200 mm Q12 = square 244 x 244 mm	**Y** 20 = 20 kN	**Z** BL = blank TM = tube mounting set

Service units - installation units - stainless-steel cassettes - heavy-duty - accessories - levelling set

Identifier	Type	Levelling range
EKS = heavy-duty stainless-steel cassette	**Y** NS = levelling set	**Z** 075 = 100 - 150 mm 120 = 145 - 195 mm 165 = 190 - 240 mm

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Service units - installation units - accessories - snap-in ladder extension

Identifier	Shape/number of installation devices	Height of snap-in ladder extension

RLV = snap-in ladder extension	Y
	
	  12 = for Q12 and R12
	R10 = for R10
	E09 = for E09
	  06 = for Q06 and R06
		Z
		
		30 = approx. 30 mm

Service units - installation units, junction boxes, accessories

Identifier	Variant	Variant	Size	Material, upper part
UD = underfloor junction box	W A = junction box LA = cable outlet for junction boxes	X R = round Q = square 0000 = for all junction boxes	Y 125 = 125 mm	Z A = aluminium

Power socket

Identifier	Variant	Number of power socket boxes	Colour
E = Installation device	X SN = Schuko (standard D)	Y 1 = single	Z 9010 = RAL 9010, pure white

Service units - installation units - ZuHause complete packages

Identifier	Type	Colour/material
UDKP = underfloor junction box complete package UDBD = underfloor junction box	Y Q06 = square 200 x 200 mm	Z 7011 = RAL 7011, iron grey 9005 = RAL 9005, deep black E = stainless steel

Technical changes reserved

Service units - installation units - power sockets

Identifier	Shape	Furnishing	Colour/material
BS = floor socket	X Q = square / hinged R = round / hinged F = wing opening / square	Y RJ45R45 = RJ45 data socket and Rastec 45 power socket	Z E = stainless-steel cast material B = bronze cast material

Service units - Installation units - Pedestal boxes

Identifier	Number of installation fields	Colour
GBZ = device casing for pedestal box	Y 2 = two fields, 1 x front, 1 x rear 4 = four fields, 2 x front, 2 x rear 8 = eight fields, 4 x front, 4 x rear	Z 7011 = RAL 7011, iron grey 9005 = RAL 9005, deep black

Service units - installation units - pedestal boxes - accessories

Identifier	Accessories	Type	Colour
GBZ = device casing for pedestal box	X W = installation wall KR00 = clamping ring	Y B = blank N = standard D R1 = 1 x Rastec R2 = 2 x Rastec C = 1 x CEE	Z 7011 = RAL 7011, iron grey 9005 = RAL 9005, deep black

Service units - installation units - hinged cover for ultra-low installation depth

Identifier	Shape/number of installation devices	Flooring cutout / cover inlay - cardboard	Colour
KD = hinged cover BD = blank cover	X Q08 = square for 8 installation devices E04 = rectangular for 4 installation devices	Y 05 = 5 mm flooring cutout 08 = 8 mm flooring cutout 12 = 12 mm flooring cutout	Z 7011 = RAL 7011, iron grey 9005 = RAL 9005, deep black

Service units - installation units - device casings

Identifier	Type	Number of power socket casings / adapter type	Colour
GB = device casings	X ES = installation device, Schuko power socket M = for 2 Mosaic installation devices MAR = adapter frame for Rastec 50 x 50 to 45 x 45 mm	Y 2 = two power socket casings 5050 = Rastec 50 x 50 mm 5045 = 50 x 50 to 45 x 45 mm	Z 9010 = RAL 9010, pure white 2004 = RAL 2004, pure orange 3000 = RAL 3000, blazing red

Service units - installation units - wet-cleaned floors

Identifier	Shape/number of installation devices	Mounting kit	Type/colour	Colour/material
VAN = service unit, aluminium (flooring frame), wet-cleaned floors	W R12 = round, for up to 12 installation devices R2 = round, for up to 6 installation devices	X 00 = with mounting kit for cavity floors 01 = with mounting kit for junction boxes	Y = aluminium, chequered 9005 = RAL 9005, deep black, grooves in contrasting colour 03 = for bonding in of 3-mm flooring	Z TU = integrated tube made of poly-amide

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Device casings - general description - function and application

Mounting kit
One standardised mounting kit can be used for all underfloor trunking systems.

Captive system
The handle bar in the lid of the cover is captive and cannot be lost. The cable outlet cannot be pulled out, even if it is pulled hard.

12 mm
Flooring material of different thickness up to 12 mm can be bonded into the cover.

Snap-in system
Snap-in ladder extensions sealed around the entire circumference can be engaged into the service unit from below.

Flat chains
Flat chains can be safely connected to all service units using a flat-chain adapter.
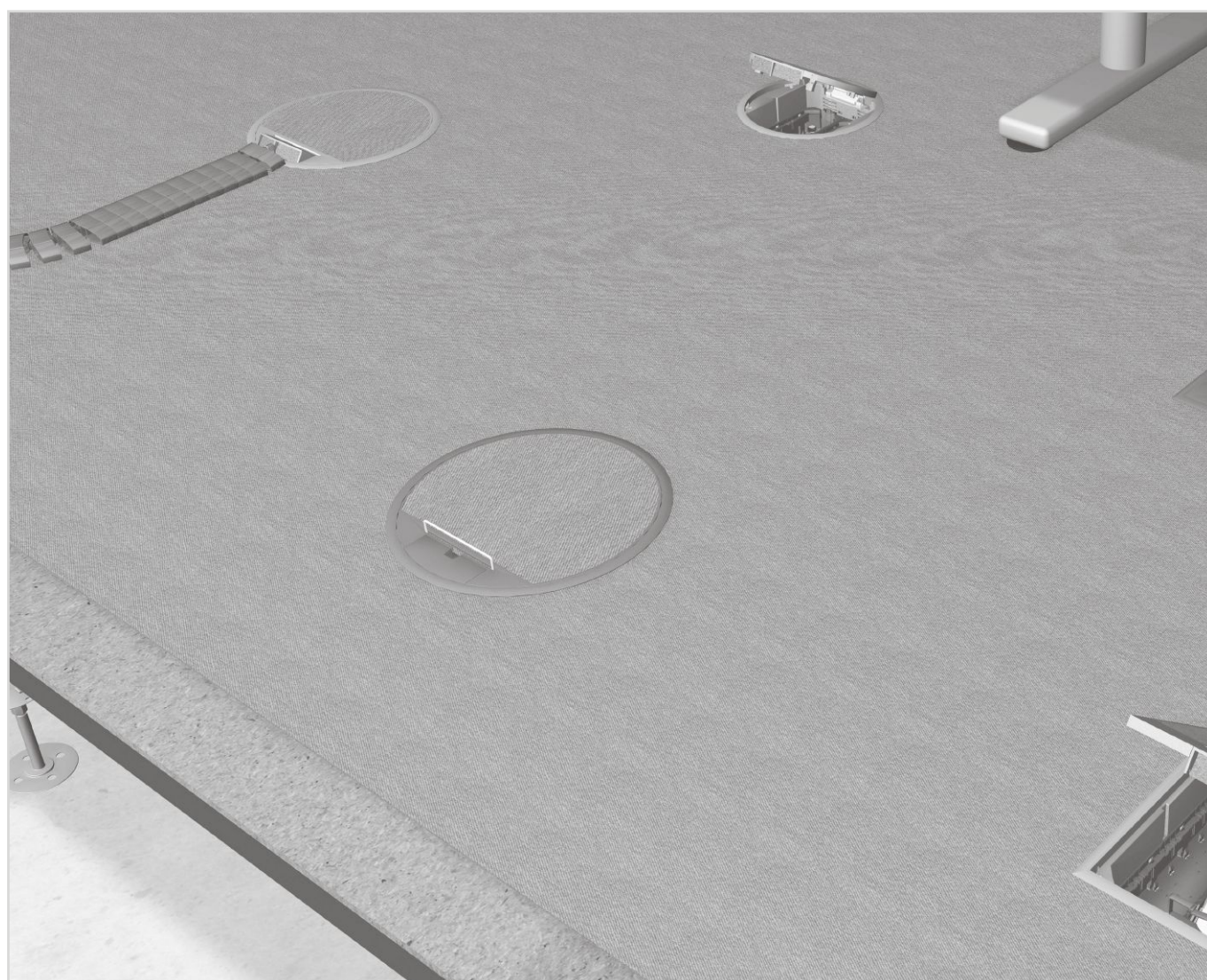
Installation in junction boxes - installation in double floors - installation in cavity floors

No matter which trunking system you wish to equip with service units, you can always use the same mounting kit. Specifying specific mounting kits when ordering is no longer necessary. With the exception of VANR12 for wet-cleaned floors, all service units are provided with this mounting kit.

Thanks to an innovative tilting mechanism, the force of the metal claws is always applied correctly. When using a junction box, the claw is pushed upward against the mounting panel. In double floors, the shark-like teeth of the claws are forced into the double floor from the sides and from below.

If the floor plate is larger than 50 mm or when installing the components into a cavity floor, the claws are pressed into the installation opening from the side.
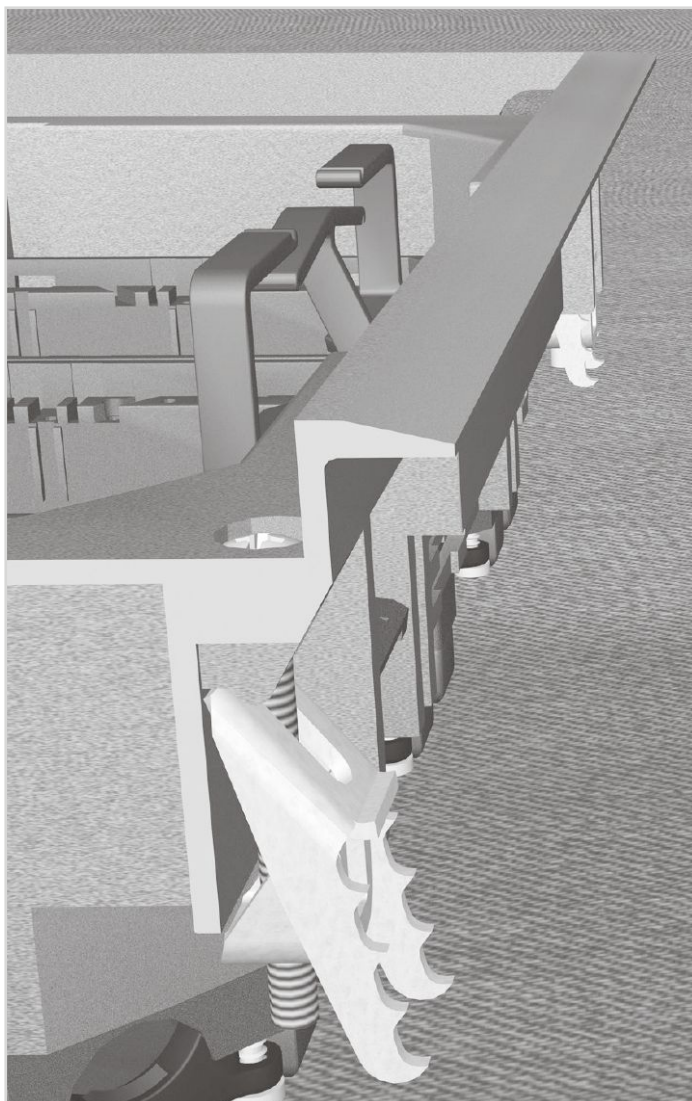
Installation in junction boxes
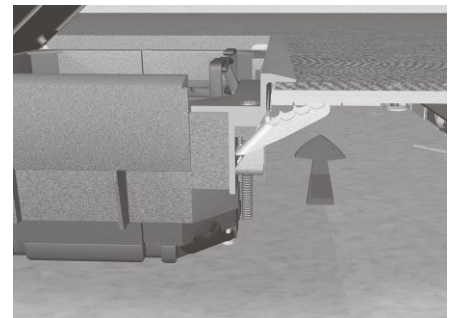
Installation in double floors
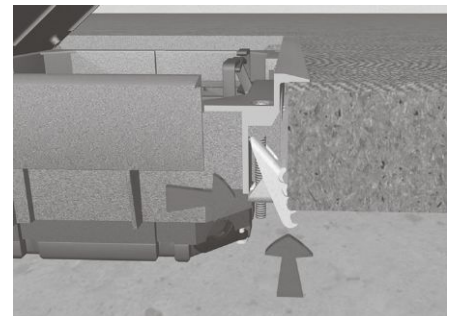
Installation in cavity floors
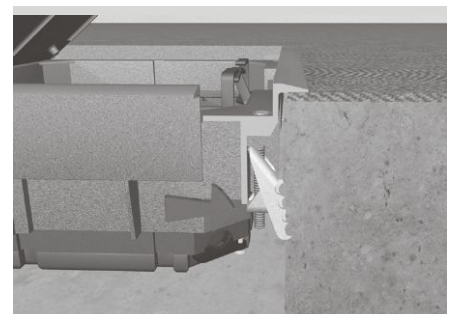
Installation depths

Is the screed height sufficient or is 50 mm a little on the tight side?

The service units from Hager offer the matching solution for any situation. If the screed height is sufficient, standard device casings may be used.

Screed heights exceeding 70 mm allow the installation of GBVR400 or GBVR300 for Schuko power sockets and GTVD300 or GTVD200 for data sockets. If the screed height exceeds 80 mm, GTVR400 and GTVR300 for Schuko power sockets can be installed. In screeds higher than 100 mm it is even possible to use snap-in ladder extensions to install the device casing even deeper. This provides more space for convenient socket options in the service unit.
However, if screed height is critical, device casings for "ultra-low installation depth" are available for installation in screeds starting from 50 mm. Here, the plugs are plugged into the hinged cover KDQ08 or KDE04 in horizontal direction.

Hinged cover Q08 / E04 for ultra-low installation depth
Installation depth: from 50 mm
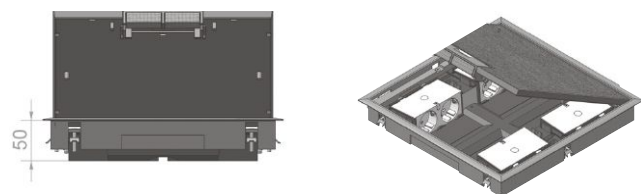
Device casing in top latching position
Installation depth: from 80/70 mm
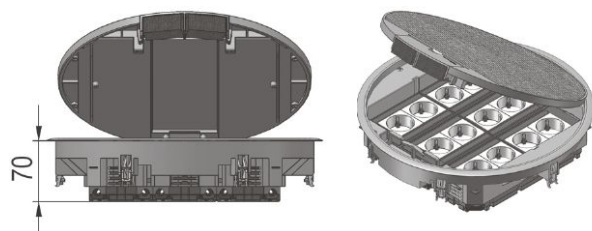
Device casing in bottom latching position
Installation depth: from 100/90 mm
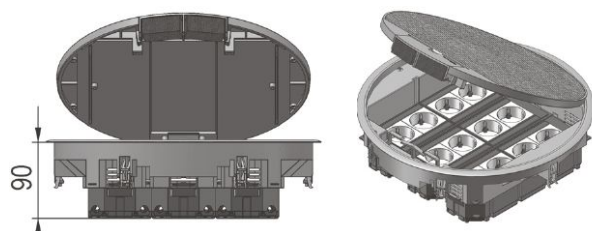
Device casing with snap-in ladder extension
Installation depth: from 110/100 mm

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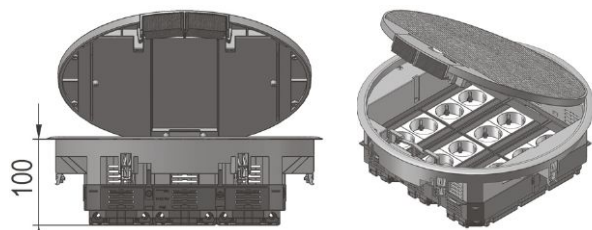
Service units, rectangular and square

Service unit VQ12

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout
263 x 263	244 x 244	5 mm 12 mm
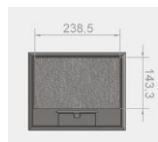
Service unit VE09

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout
219 x 272	200 x 253	5 mm 12 mm
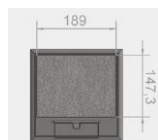
Service unit VQ06

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout
219 x 219	200 x 200	5 mm 12 mm

Service units, round

Service unit VR12

Outer dimension	Installation dimension	Flooring cutout
Ø 325 mm	Ø 306 mm	5 mm 12 mm

Service unit VR10

Outer dimension	Installation dimension	Flooring cutout
Ø 294 mm	Ø 275 mm	5 mm 12 mm

Service unit VR06

Outer dimension	Installation dimension	Flooring cutout
Ø 234 mm	Ø 215 mm	5 mm 12 mm

Service units made of aluminium

Service unit VANR12003TU

Outer dimension	Installation dimension	Flooring cutout
Ø 325 mm	Ø 306 mm	3 mm

Service unit VANR12003

Outer dimension	Installation dimension	Flooring cutout
Ø 325 mm	Ø 306 mm	3 mm

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Service units, rectangular and square

Service unit VQ12

Number of power sockets [max. pcs.]	Number of device casings
12	3 x GTVR400 / GBVR400

Service unit VE09

Number of power sockets [max. pcs.]	Number of device casings
9	3 x GTVR300 / GBVR300
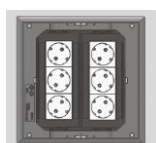
Service unit VQ06

Number of power sockets [max. pcs.]	Number of device casings
6	2 x GTVR300 / GBVR300

Service units, round

Service unit VR12

Number of power sockets [max. pcs.]	Number of device casings
12	3 x GTVR400 / GBVR400

Service unit VR10

Number of power sockets [max. pcs.]	Number of device casings
10	1 x GTVR400 + 2 x GTVR300 / 1 x GBVR400 + 2 x GBVR300

Service unit VR06

Number of power sockets [max. pcs.]	Number of device casings
6	2 x GTVR300 / GBVR300

Service units made of aluminium

Service unit VAN R12

Number of power sockets [max. pcs.]	Number of device casings
12	3 x GTVR400 / GBVR400

Technical changes reserved

Service units for wet-cleaned floors

Grooved structure
The standard version with its aluminium grooves offers a uniform design without any irritating disruptions.

3-mm flooring
Service unit VANR12 fits a bonded flooring of 3 mm thickness (e.g. PVC, linoleum or chequered aluminium panel).

Aluminium
Cover and flooring frame are entirely made of aluminium.

Higher loads
The variants with aluminium tube lid and groove structure can support heavy loads and are traversable.

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General instructions:

Wet-cleaning
Cassettes variants BL (blank) and TM (tube mounting set) are suitable for wet-cleaned floors.
Variant LE (with cable outlet) should not be wet-cleaned.

Stepless
The studs allow stepless height-adjustment.

Snap-in ladder
Device casing can be installed at lesser heights using the snap-in ladder.

Snap-in ladder extension
A snap-in ladder extension can also be installed.

Solid
The units are characterised by compact designs.

Technical changes reserved
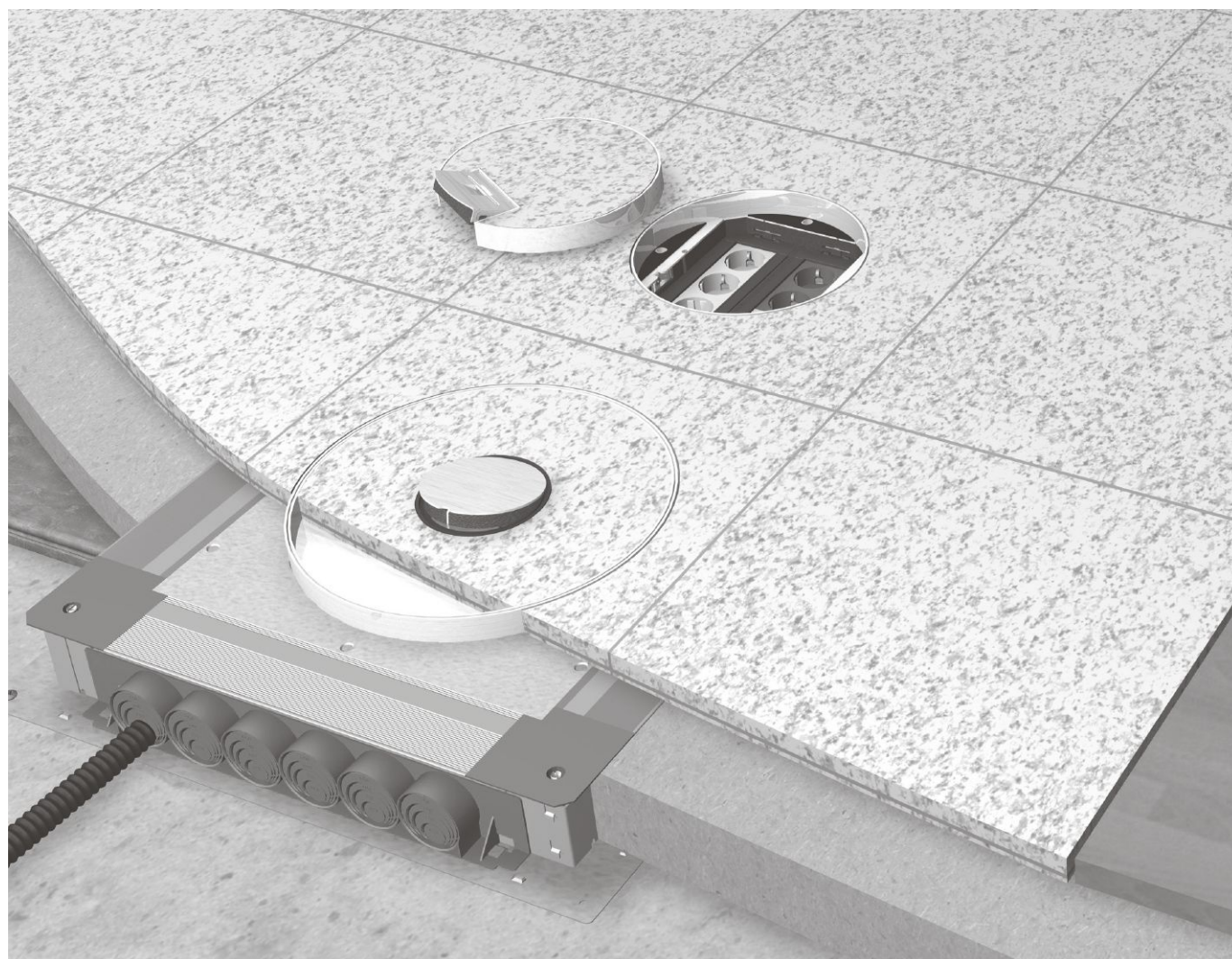
Stainless-steel cassettes, square
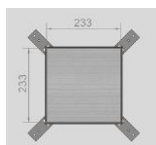
Stainless-steel cassette EKQ1200BL

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
243 x 243	244 x 244	233 x 233 x 23
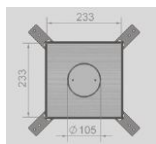
Stainless-steel cassette EKQ1200TM

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
243 x 243	244 x 244	233 x 233 x 23
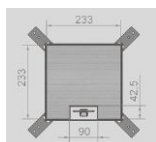
Stainless-steel cassette EKQ1200LE

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
243 x 243	244 x 244	233 x 233 x 23

Stainless-steel cassettes, round
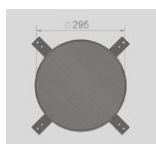
Stainless-steel cassette EKR1200BL

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
Ø 305	Ø 306	Ø 295 x 23

Stainless-steel cassette EKR1200TM

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
Ø 305	Ø 306	Ø 295 x 23
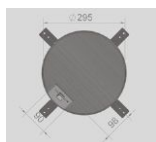
Stainless-steel cassette EKR1200LE

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
Ø 305	Ø 306	Ø 295 x 23

Stainless-steel cassette, heavy duty
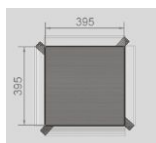
Heavy-duty cassette EKSQ405BL

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
405 x 405	406 x 406	395 x 395 x 28
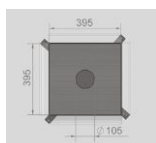
Heavy-duty cassette EKSQ405TM

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
405 x 405	406 x 406	395 x 395 x 28

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Stainless-steel cassettes, square
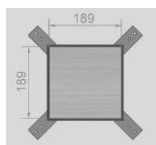
Stainless-steel cassette EKQ0600BL

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
199 x 199	200 x 200	189 x 189 x 23
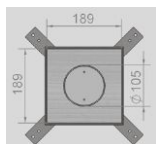
Stainless-steel cassette EKQ0600TM

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
199 x 199	200 x 200	189 x 189 x 23
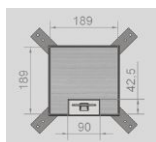
Stainless-steel cassette EKQ0600LE

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
199 x 199	200 x 200	189 x 189 x 23

Stainless-steel cassettes, round
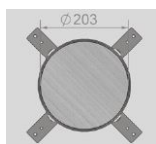
Stainless-steel cassette EKR0600BL

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
Ø 214	Ø 215	Ø 203 x 23
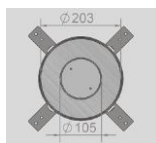
Stainless-steel cassette EKR0600TM

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
Ø 214	Ø 215	Ø 203 x 23
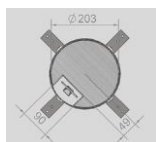
Stainless-steel cassette EKR0600LE

Outer dimension [mm]	Installation dimension [mm]	Flooring cutout [mm]
Ø 214	Ø 215	Ø 203 x 23

Stainless-steel cassettes, square

Stainless-steel cassette EKQ1200

Number of power sockets [max. pcs.]	Number of device casings
12	3 x GTVR400 / GBVR400

Stainless-steel cassette EKQ0600

Number of power sockets [max. pcs.]	Number of device casings
6	2 x GTVR300 / GBVR300

Stainless-steel cassettes, round

Stainless-steel cassette EKR1200

Number of power sockets [max. pcs.]	Number of device casings
12	3 x GTVR400 / GBVR400

Stainless-steel cassette EKR0600

Number of power sockets [max. pcs.]	Number of device casings
6	2 x GTVR300 / GBVR300

Stainless-steel cassette, heavy duty
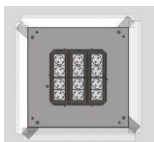
Heavy-duty cassette EKSQ05

Number of power sockets [max. pcs.]	Number of device casings
12	3 x GTVR400 / GBVR400

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General instructions:

Compatibility
Junction box UDS-ZuHause can be fitted with service unit VQ06 or height-adjustable stainless-steel cassette EKQ06.

Earthing
System components must be included in the earthing measures in accordance with DIN VDE 0100.

Observe our general information and the information concerning other related trades (screed layers, floor fitters).

Install sheet-metal casing
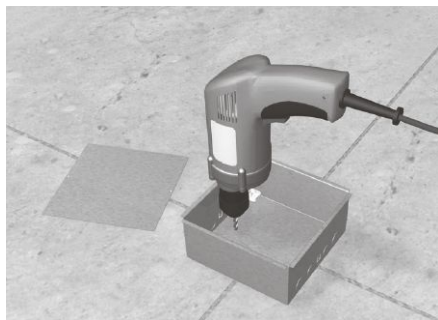
Fasten the casing to the slab with two screws.

Underlay sheet-metal casing
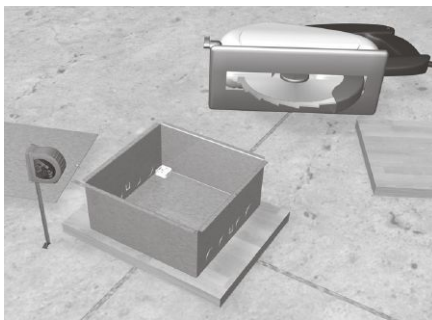
If required, underlay the casing to achieve the required height, depending on the planned screed height.

Connect the installation pipes
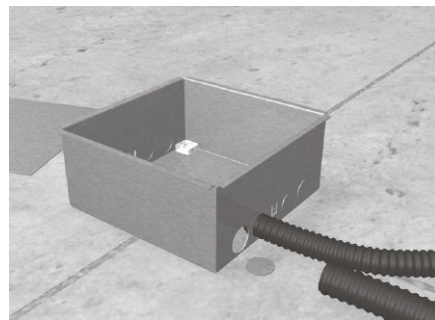
Knock out the blankings for installation pipes and insert the installation pipe. Blankings fit pipes M25 or M20.

Seal the sheet-metal casing
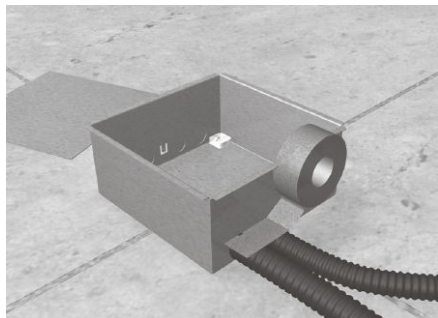
Seal the sheet-metal casing using adhesive tape to prevent screed ingress.

Install the protective cover
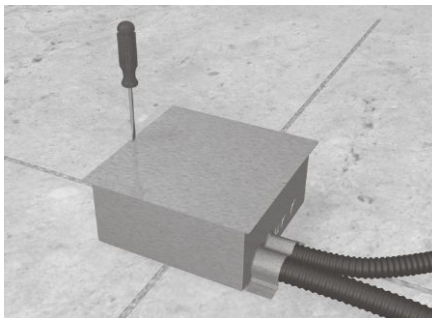
Secure the protective cover to the casing using two screws. The cover serves as protection during screed-laying.

Lay the screed
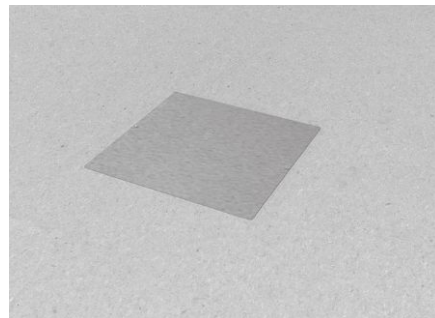
Lay the screed flush with the upper edge of the sheet-metal casing.

Remove the protective cover
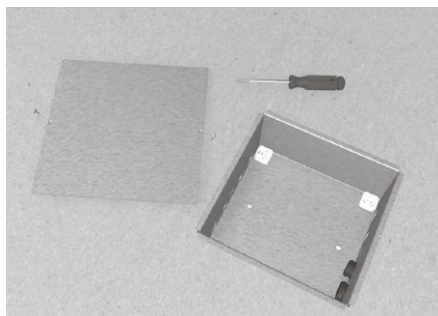
Remove the protective cover after the screed has hardened completely.

Install the flooring

Install the flooring, leaving an installation opening of 200 x 200 mm.

Insert service unit VQ06

Place service unit VQ06 into the installation opening.

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Fasten service unit VQ06

Using a cordless screwdriver, fasten the four mounting kits of the service unit hand-tight.

Prepare cassette EKQ06

Remove the retaining tabs and soundproofing mounts from the set screws.

Insert cassette EKQ06

Place the cassette into the installation opening. Press the set screws into the soundproofing mounts of the UDS-ZuHause unit.

Align cassette EKQ06

Using the four set screws, adjust the cassette to the required height. The cassette must be flush with the top edge of the finished flooring.

Bond the flooring into place
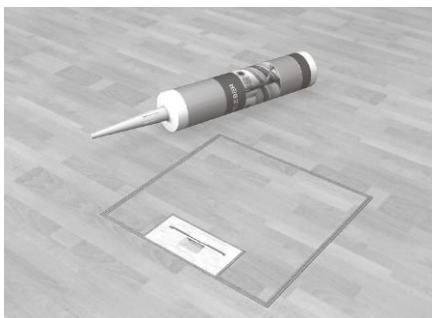
Cut a piece of flooring to size and bond in into the cassette cover.

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General instructions:

Massive, high-quality floor sockets made of brushed stainless steel or bronze casting. Protection rating IP20, traversable, discrete and elegant. Suitable for floors, walls or furniture. Fitted with a Rastec 45® power socket and a RJ45 data module. Two variants are available. With the retractable variant, power socket and data module can be fully retracted to create a flush surface. With the hinged variant, two covers can be closed like a cabinet door.

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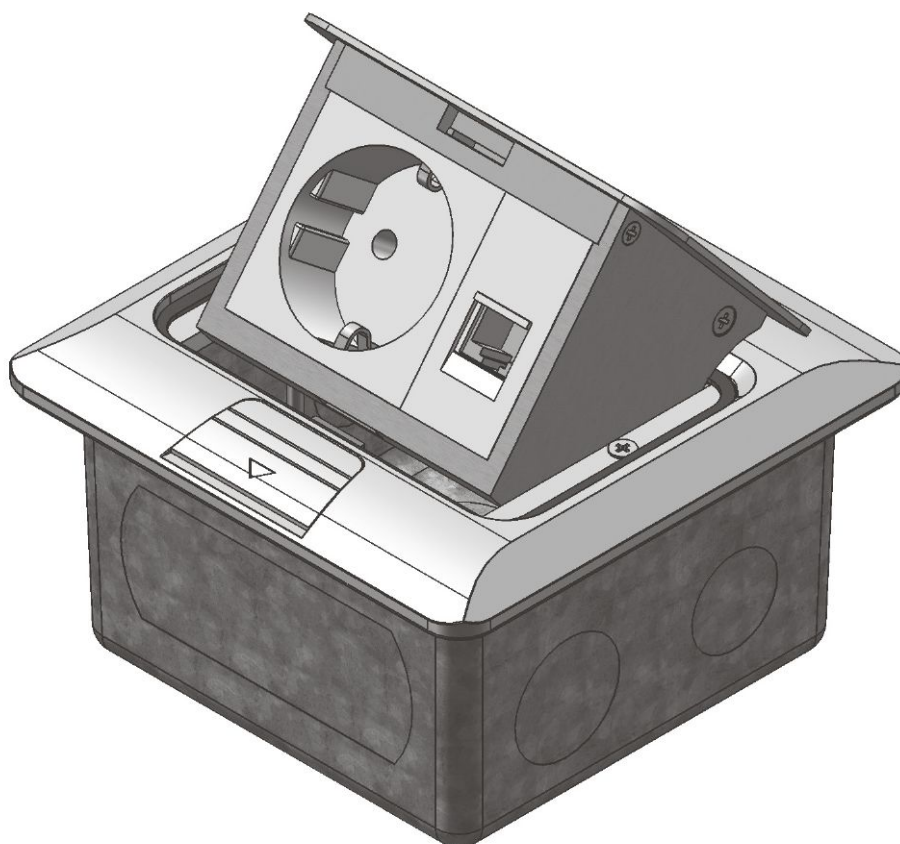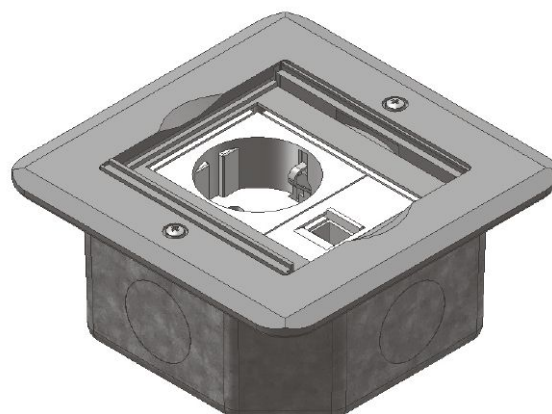
General instructions:

The following installation instructions refer to the installation of VR12 service units and apply to all other service units alike.


Installation in universal junction box
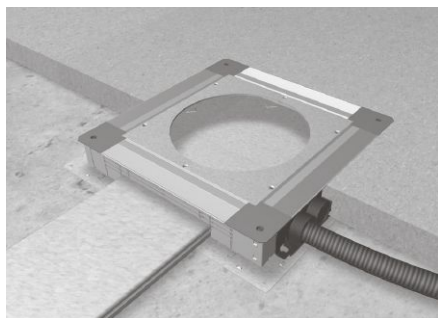
Replace the screed protection cover by fitting frame UDM3306R12.

Installation in cavity floor or double floor
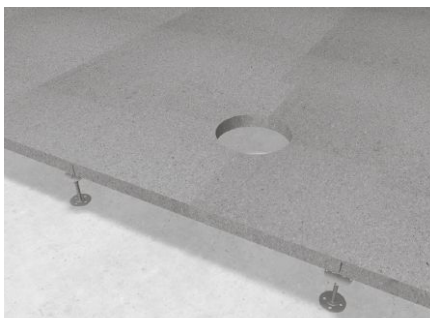
Create an installation opening with a diameter of 306 mm (tolerance + 1 mm) in the double floor or cavity floor.

Lay the flooring

Hard flooring such as wood, PVC or tiles should be worked around the service unit leaving space for an expansion joint.

Check the mounting kit
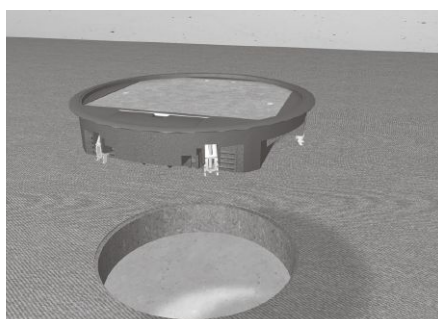
Fit the service unit into the installation opening.

Align the service unit
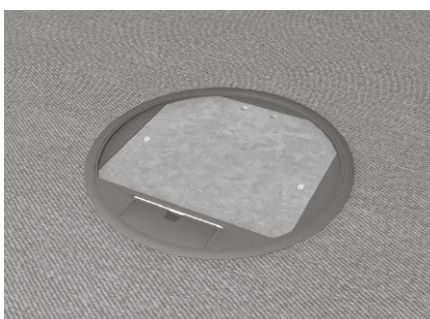
Align the service unit to suit the premises. Consider the opening direction of the cover.

Attach the service unit

Fasten the internal screws of the mounting kit crosswise (Allen head H2).

Bond the flooring into place

Cut the flooring to size and bond it into the cover of the service unit.

Remove the cover (optional)
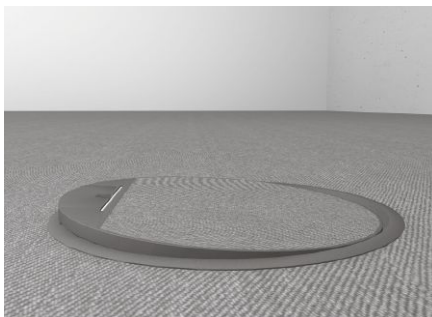
The cover can be separated from the frame to facilitate installation. Open the cover and pull it away from the hinge. This provides access to the screws of the mounting kit and a slot at the hinge.

Release the snap lock
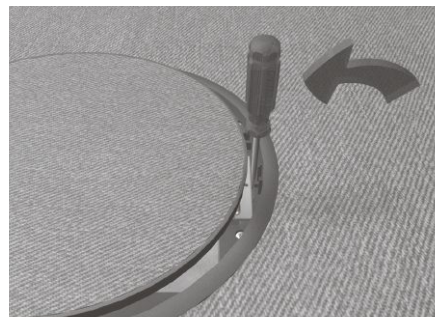
Insert a flat-bladed screwdriver between hinge and latching tab. Push down the screwdriver while pivoting it toward the cover to release the latching tab.

Pull off the cover
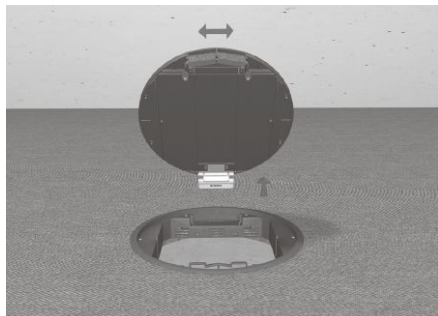
Pull off the cover. Work the hinge piece out of its seat by wiggling it left and right.

Remove the square cover

In case of square covers, insert and twist a screwdriver to release the latching tab.

Insert the device casing

Locate the device casing with one side into the snap-in ladder extension. The latching tabs must audibly engage in the ladder extension on both sides.

Insert a screw driver
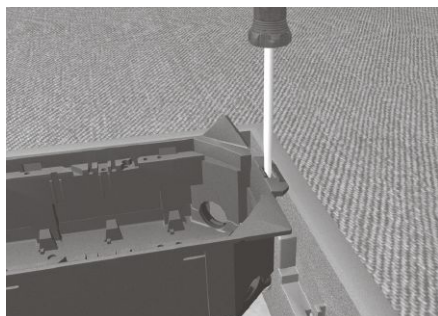
Insert the screwdriver into the opening of the tab. This ensures an optimal guidance of the device casing tab.

Bend the tab inward
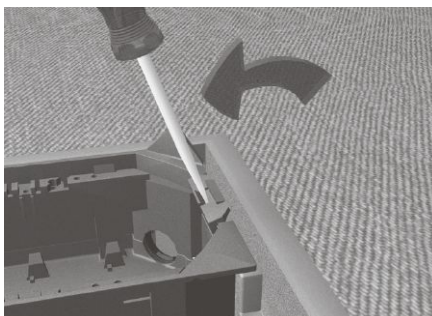
Bend the device casing tab inward using a screwdriver.

Position the device casing

Adjust the device casing to the required height using the screwdriver.

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Snap-in the device casing

Snap in the device casing tab at the required height using a screwdriver. The tab must engage audibly.

Snap in the opposite side

Following the principle of the preceding steps, latch the device casing into the service unit on the opposite side.

Release the device casing
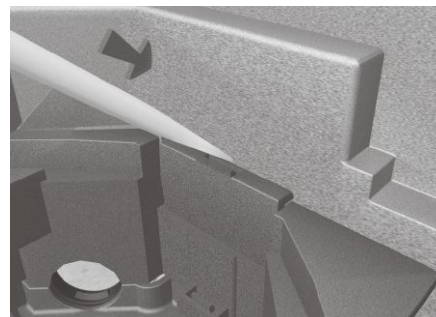
Insert the screwdriver into the perforation at an angle and turn it upward to release the tab of the device casing from the service unit.

Pull out the device casing tab
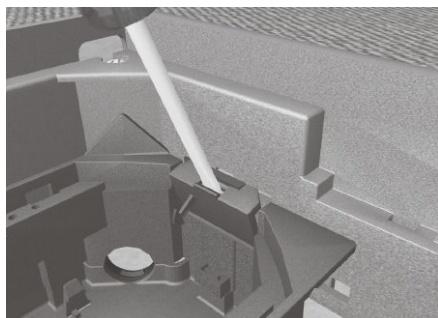
Bend the tab of the device case inward using a screwdriver and pull it from the perforation of the service unit.

Move the device casing to a lower position
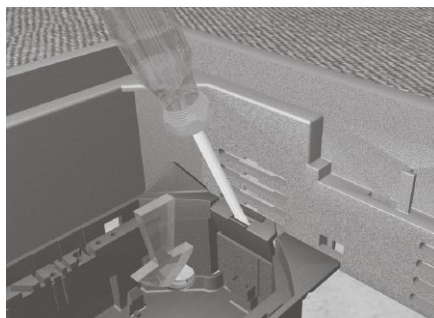
Adjust the device casing to the required height using the screwdriver.

Snap in the device casing

Snap in the device casing tab at the required height using a screwdriver. The tab must engage audibly.

General instructions:

Cleaning
Carefully clean all sealing surfaces of the cover each time you close it.
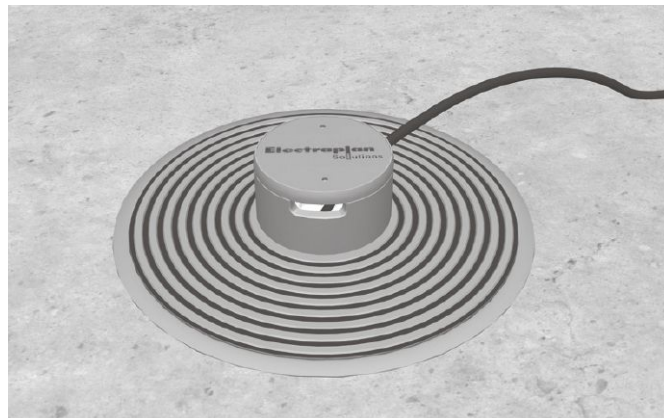
Installation in universal junction box
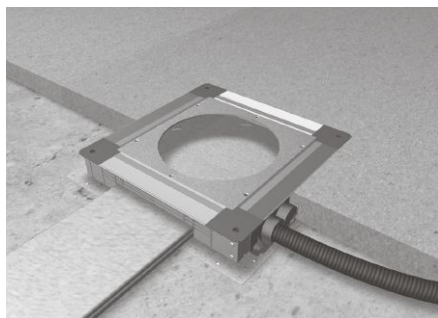
Replace the screed protection cover by fitting frame UDM3306R12.

Installation in cavity floor or double floor
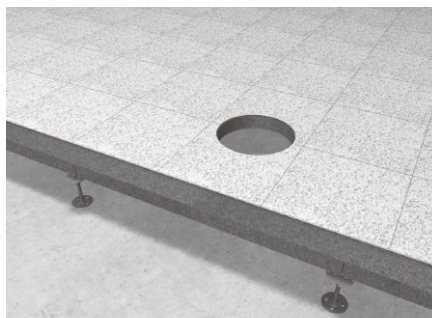
Create an installation opening with a diameter of 306 mm (tolerance + 1 mm) in the double floor or cavity floor.

Lay the flooring

Hard flooring such as wood, PVC or tiles should be worked around the service unit leaving space for an expansion joint.

Seal the service unit

Apply suitable sealant to the lower surface of the flooring frame.

Check the mounting kit
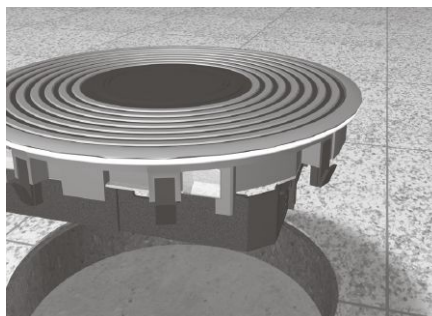
Check the distance between the mounting kit and the height of the floor construction and push the service unit into the installation opening. If it is difficult to push in, turn out the screws of the mounting kit until the mounting kit engages in the floor panel from below.

Align the service unit

Align the service unit to suit the premises. Consider the opening direction of the cover.

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Attach the service unit

Slightly turn in the inner screws of the eight mounting kits.

Remove the cover (optional)

The cover can be separated from the frame to facilitate installation. Open the cover and pull it away from the hinge. This provides access to the screws of the mounting kit and a slot at the hinge.

Release the snap lock

Insert the screwdriver into the slot in the hinge piece until resistance is noticeable. Push down the screwdriver, pivoting it toward the cover. The motion combined with a slight jerk will release the latching mechanism.

Pull off the cover
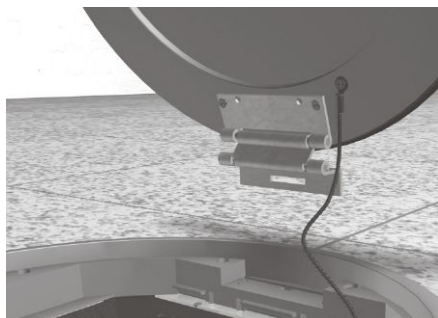
Pull off the cover. Work the hinge piece out of its seat by wiggling it left and right.

Service unit with flooring
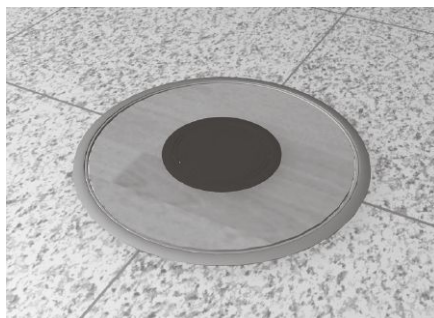
A service unit suitable for bonding in 3-mm flooring is available as an option. This requires accurate trimming of the flooring.
Outer Ø = 293 mm
Inner Ø for aluminium tube = 107,5 mm
Inner Ø for polyamide tube = 129.5 mm

Bond in the polyamide tube

When installing service unit VANR1200TU, suitable sealant must be applied to the lower surface of the flooring frame of the polyamide tube after bonding in the flooring.

Prise open the polyamide tube lid

When installing service unit VAN with polyamide tube, insert a screwdriver into the two perforations and lever it upward to push up the lid.

Turn the polyamide tube centre piece

Remove the centre piece of the tube cable outlet by hand, reverse it by 180° and push it back on. The cover of the service unit can now be opened by reaching into the opening and pulling it upward.

Attach the polyamide tube centre piece

Use the two screws clipped in the tube lid to secure the tube centre piece to the cover of the service unit. The tube is now secured against lateral force and will remain in position.

Thread in the cables

Open the cover and feed the cables through the opening of the polyamide tube into a power socket. Carefully clean all sealing surfaces before closing the cover.

Close the polyamide tube

Carefully close the cover of the service unit. Snap the bayonet fitting of the tube lid into the centre piece and close it. The service unit is now protected against splash water (according DIN VDE 0634) of up to 30 mm

Screw on the aluminium tube lid

When installing a VAN service unit with aluminium tube, unscrew the aluminium tube lid using pin wrench TUSS000 and remove it. The cover of the service unit can now be opened by reaching into the opening and pulling it upward.

Screw in the aluminium tube

Screw aluminium tube TULAA105 into the thread of the service unit cover.

Thread in the cables
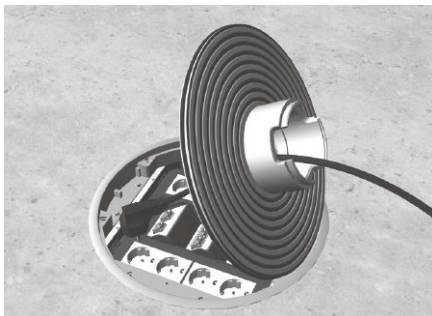
Open the cover and feed the cables through the opening of the aluminium tube into a power socket. Carefully clean all sealing surfaces before closing the cover.

Close the aluminium tube
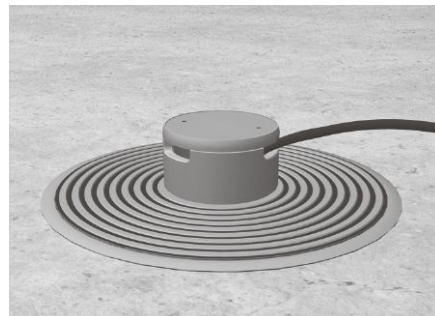
Carefully close the cover of the service unit. Screw the tube closing ring into the tube lid at the cable outlet. The service unit is now protected against splash water (according DIN VDE 0634) of up to 30 mm.

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Level the cassette frame
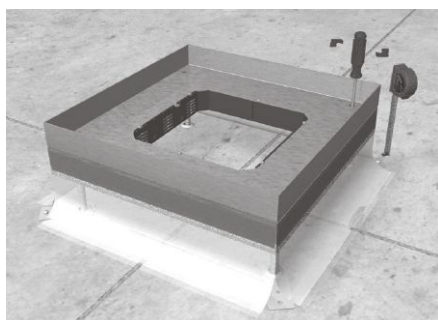
Position the angled frame with the cassette frame screwed to it on the slab and use the set screws to adjust the height.

Attach the cassette frame

Secure the retaining tabs to the slab.

Feed in the trunking
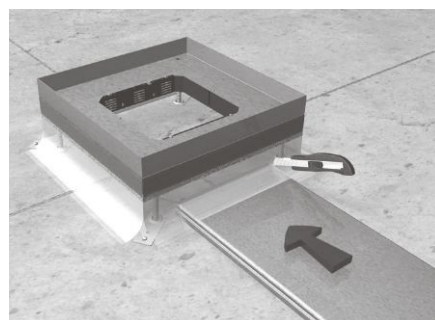
Cut in the film formwork to fit height and width of the trunking. Lift the film flap and push the trunking approx. 40 mm below the cassette frame.

Seal the cassette frame
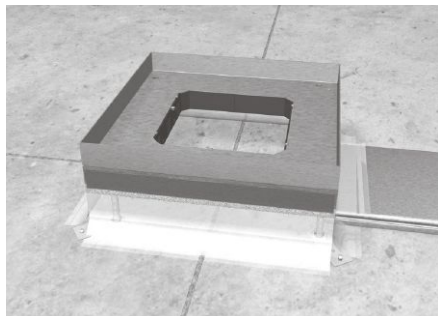
Seal all openings and joints.

Earthing measures at cassette frame

The earthing cable must be connected to the earthing measures provided on site.

Lay screed and flooring
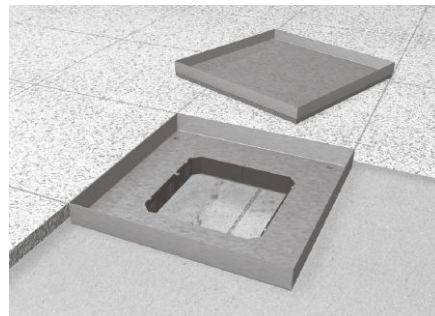
Work screed or flooring around the cassette frame leaving space for an expansion joint, ensure absolute cleanliness in the cassette area.

Seal the expansion joint
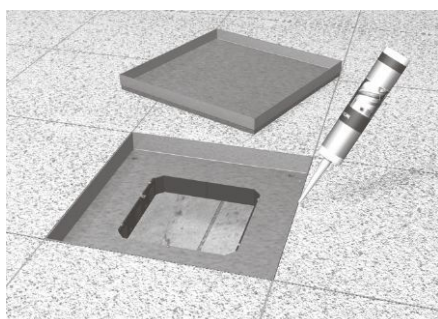
Seal the expansion joint around the cassette frame using an elastic sealant.

Fit the cassette
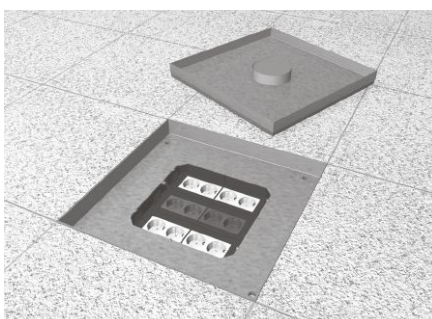
Install the device casings with their power sockets and data modules into the latching rail.

Bond the flooring into the cassette cover
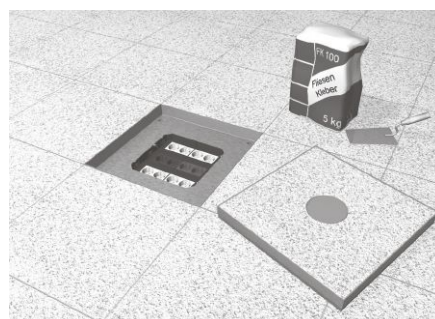
Cover cassette cover with flooring. Ensure that the adhesive is evenly spread and that the flooring is flat on the cassette cover, as otherwise the flooring may break.

Install the cassette cover
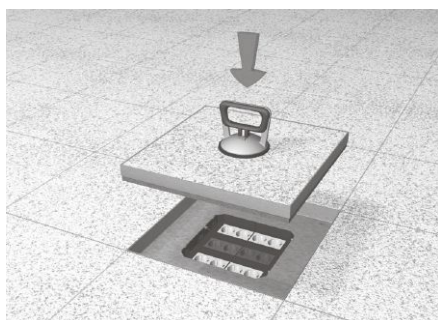
Once screed and flooring adhesive have sufficiently hardened, install the cassette cover into the cassette frame using a suction lifter (e.g. BKZSH30).

Earthing measures at cassette cover
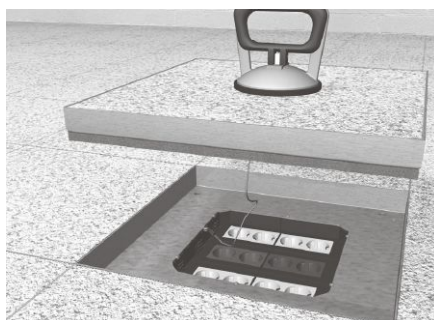
Use the earthing cable to connect the cassette cover to the cassette frame.

Cassette cover with tube
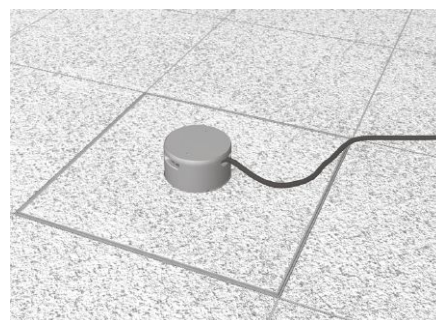
If lines are to be routed out of the cassette, then an aluminium tube TULAA105 can be screwed onto the cassette using a tube mounting kit.

Suitable for high loads

The heavy-duty cassette is designed for loads up to 20,000 Newton.

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General instructions:

We recommend to protect the visible areas against damage during construction work.

The installation instructions apply to all installation units with tube cable outlets made of aluminium. This includes for example stainless-steel cassettes, heavy-duty cassettes but also service unit VANR12.

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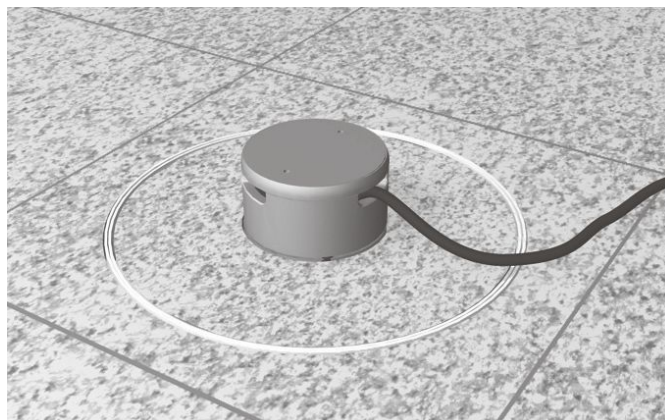
Seal against moisture
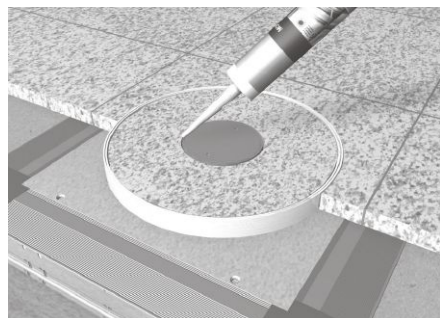
The flooring must be flush with the top edge of the cassette cover or outer frame. The joint between flooring and tube mounting set must be sealed against moisture by the customer.

Open the tube lid
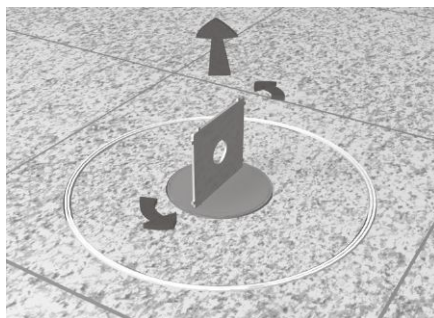
Open the lid of the tube mounting set using pin wrench TUSS000 (to be ordered separately).

Check the rubber seal

After unscrewing the tube lid, ensure that the rubber seal is correctly located in the tube mounting set and does not stick to the tube lid. The rubber seal should be lubricated with petroleum jelly ('Vaseline') in regular intervals.

Screw in the tube cable outlet
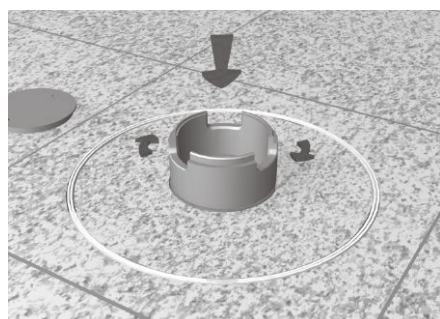
Screw the tube cable outlet onto the tube mounting set by hand.

Remove the cassette cover
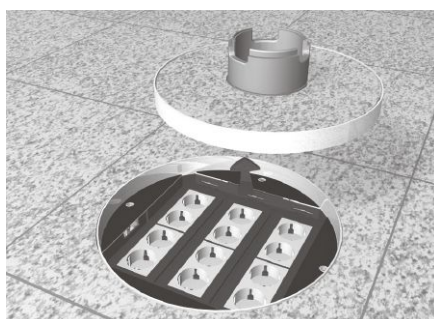
Remove the cassette cover upward.

Thread in the connection cables
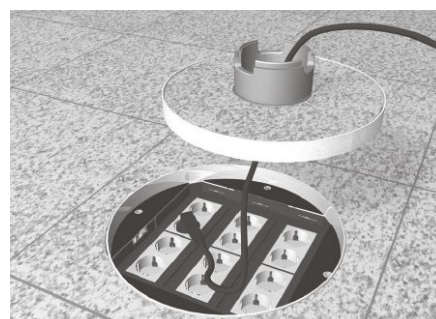
Thread the connection cable from above through the tube cable outlet and plug it into the installation device.

Close the cassette cover
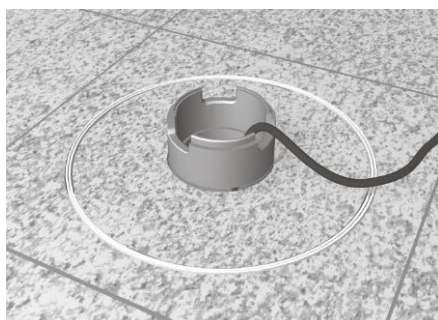
Reinstall the cassette cover and place the connecting cable into one of the three cut-outs of the tube cable outlet.

Position the tube closing ring
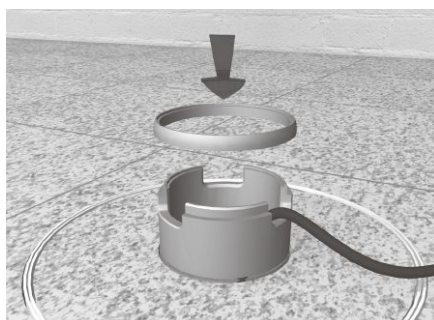
Position the tube closing ring from above onto the tube cable outlet.

Close the tube cable outlet
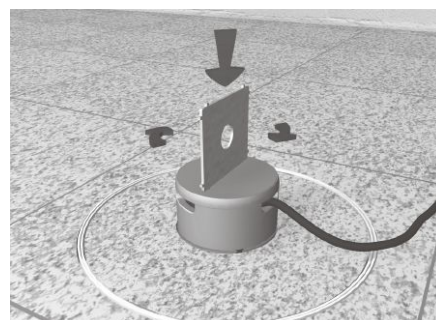
Screw the tube lid into the tube cable outlet using pin wrench TUSS000 (to be ordered separately).

Suitable for high loads

The robust tube cable outlet is made of aluminium and is designed for high loads. The loads specified for cassette and junction box must be observed.

General instructions:

Projecting
Pedestal boxes made of polyamide for installation on top of the floor.

Furnishing
The largest variant accommodates two voltages, 8 installation fields and up to sixteen installation devices.

Remove the protective cover
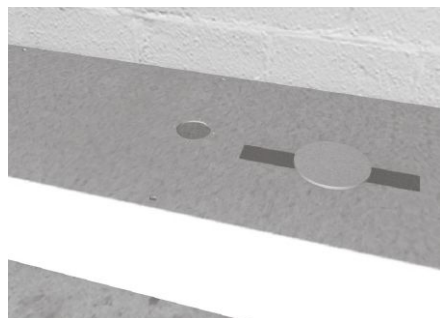
The installation opening covers (AKMGBZ, to be ordered separately) of the corresponding trunking systems are fitted with protective covers at the factory. These must be re-moved directly before laying the flooring.

Cut out the installation opening
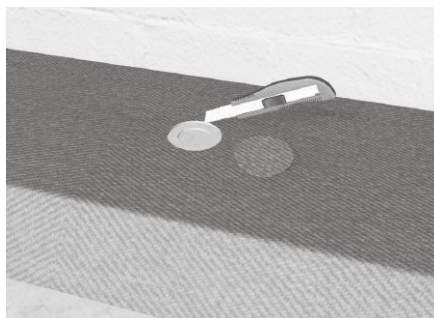
Once the flooring is laid, cut out the installation openings.

Install the base
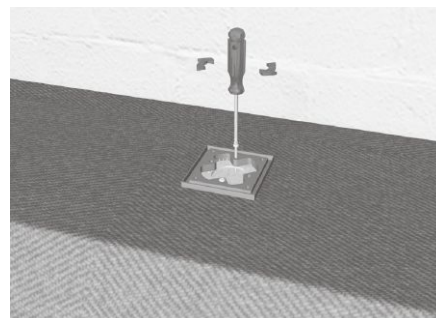
The base of the pedestal box is fixed to the installation opening using the two bolts M4 x 40 mm provided.

Thread in the cables
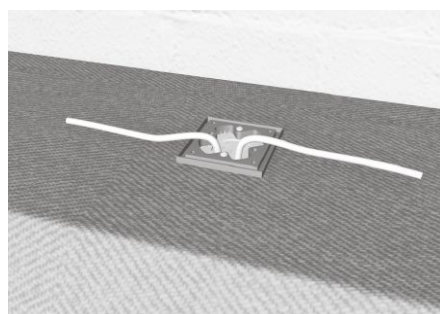
Route the cables through the installation opening and the base.

Drill the screed
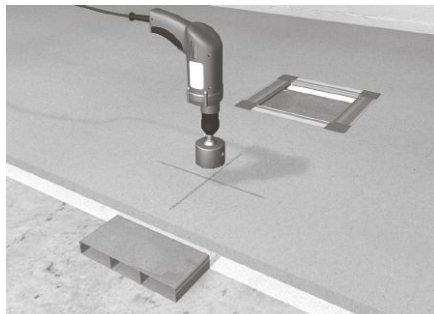
Cut a hole into the screed down to the underlying trunking using a carbide hole saw.

Cut a hole into the trunking
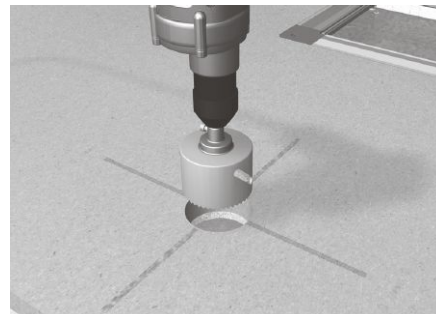
Cut a hole into the trunking using a hole saw.
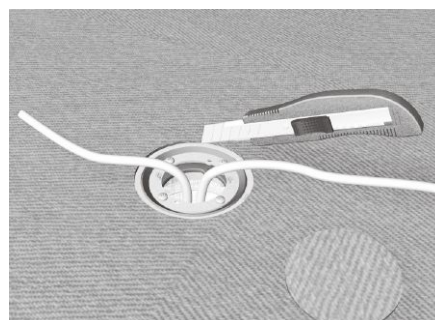
Thread the cables through the clamping
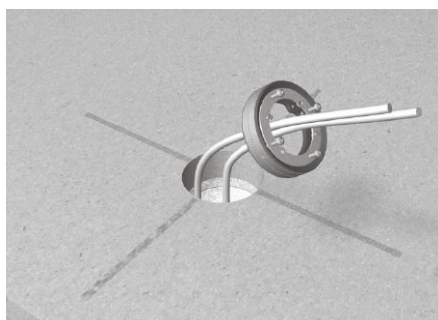
Thread the cables out of the underfloor trunking and through the drilled outlet / clamping ring GBZKR00 (to be ordered separately) so that the screw heads point upward.
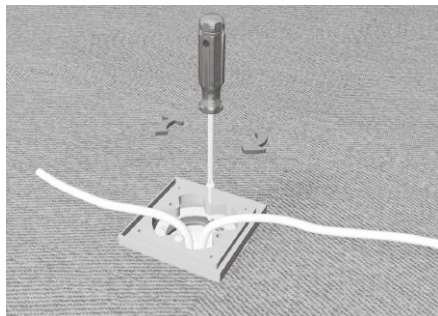
Clamp the clamping ring
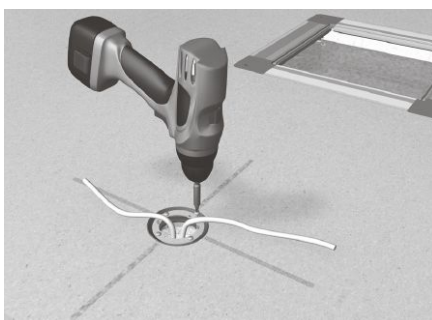
Install the clamping ring into the drilled hole and tighten the screws to clamp it.

Cut out the holes

After laying the flooring, cut out the drill holes using a cutter.

Install the base

Secure the base of the pedestal box in the clamping ring using two bolts M4 x 40 mm.

Thread in the cables

Route the cables from below through the pedestal box (observing the distribution of installation slots and voltages types). Pedestal boxes with 4 or 8 installation fields require a partition wall to be fitted.
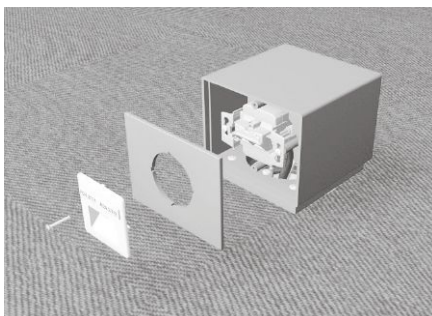
Fasten the pedestal box
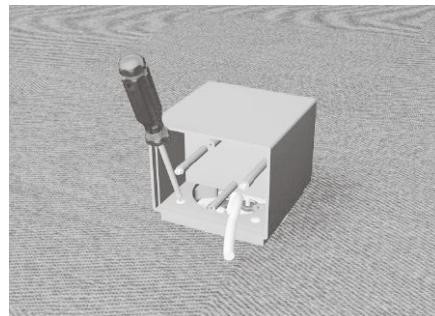
Position the pedestal box on the base and secure it using four bolts M4 x 12 mm.

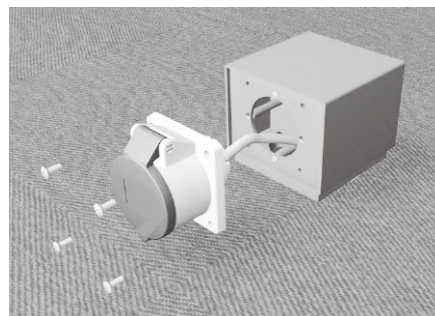### Secure the blank plate

Secure the blank plate in the pedestal box using two screws.

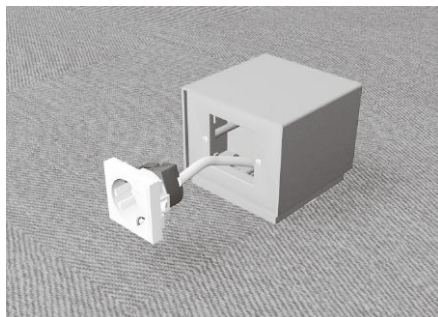### Installation wall for 1 x standard D

Connect the cables to the installation device and secure it in the pedestal box using two screws. Insert the installation walls and screw down the central plate of the installation device.
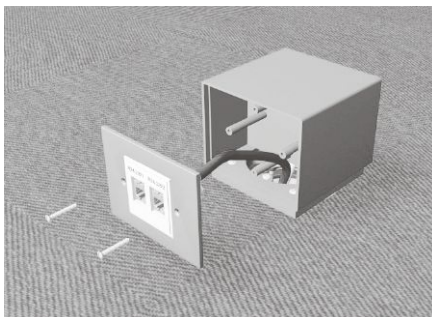
Installation wall for 1 x CEE

Thread the cables through the installation wall and the rubber part (rubber part included in delivery package of CEE power socket). Secure the installation wall in the pedestal box using two screws. Connect the cables to the CEE power sockets and secure the CEE power sockets to the installation wall using four bolts M4 x16 mm.

electraplan.VE-EE

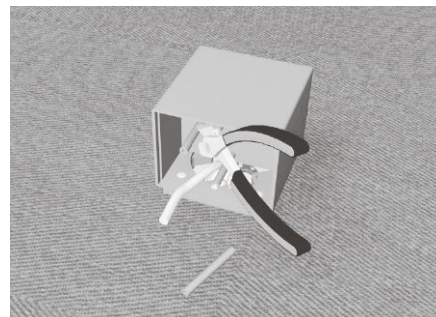**Installation wall for 1 x Rastec 45®**

Thread the cables through the installation wall and secure the installation wall to the pedestal box using two screws. Connect the cables to the installation devices and snap the installation devices into the installation wall.
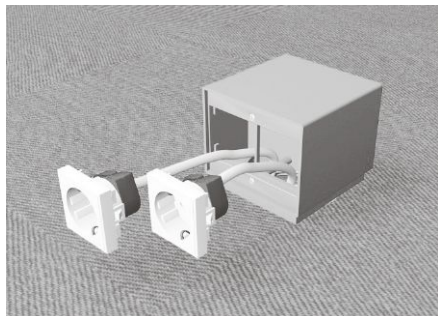
Installation wall for 1 x Rastec 45®

Devices such as telephone or data sockets must be installed into the respective mounting plates beforehand.
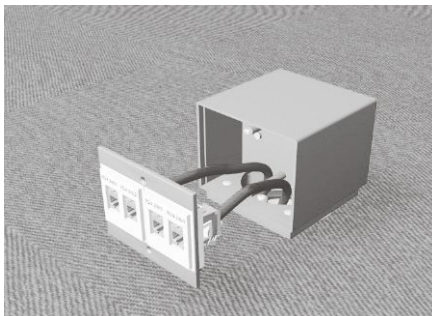
Installation wall for 2 x Rastec 45®

Cut off the two outer studs as close as possible at the rear wall using a wire cutter or nipper pliers.
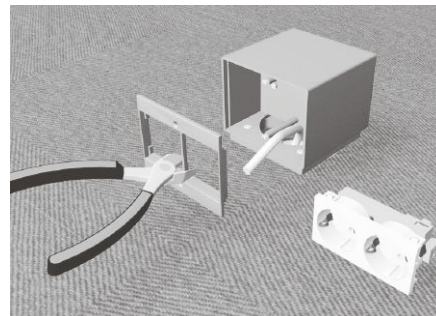
Installation wall for 2 x Rastec 45®

Thread the cables through the installation wall and secure the installation wall to the pedestal box using two screws. Connect the cables to the installation devices and snap the installation devices into the installation wall.

Installation wall for 2 x Rastec 45®

Devices such as telephone or data sockets must be installed into the respective mounting plates beforehand.

Installation wall for double Rastec 45®

When using twin-type sockets of type Rastec 45 ®, the centre rib at the installation wall must be removed using a wire cutter.