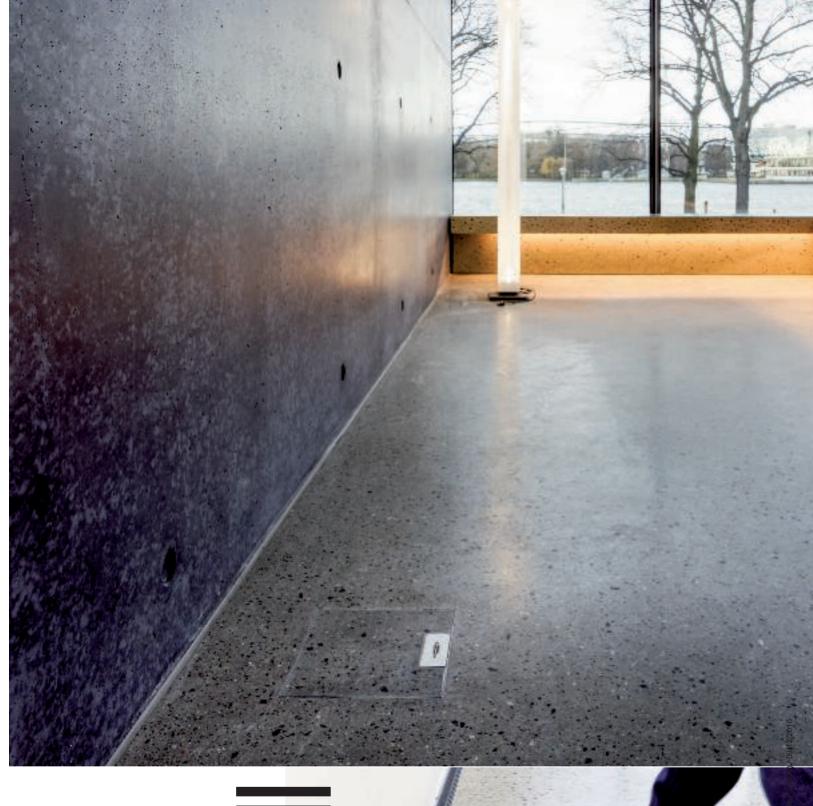


Underfloor system for polished screeds



System information

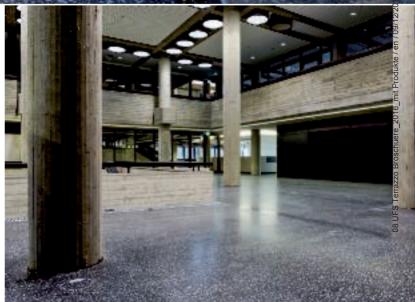






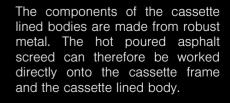








Poured asphalt screed is used where there are high requirements for heat protection, noise insulation and the elasticity of the floor covering. This screed type does not require drying times: The floor is ready for use shortly after laying.



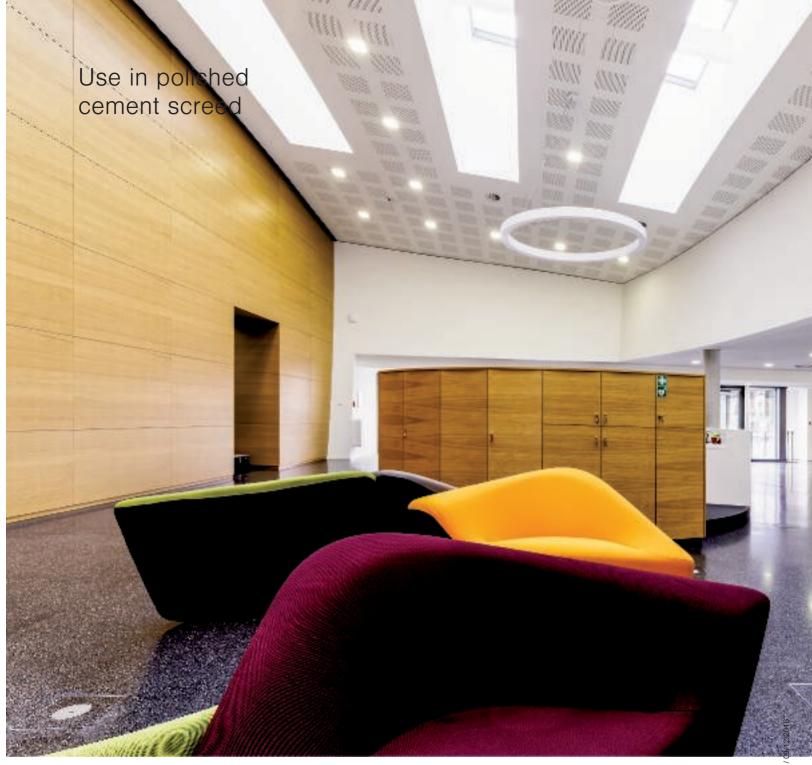


The underfloor solutions for polished screed floors from Ackermann made by OBO can also be used in cement screeds. If cement screeds are polished multiple times, jointless floor areas with aggregate are created. One variant of this screed type is the Terrazzo floor. Terrazzo is made up of a support layer and a decorative use layer. The use layer can be coloured with additives and designed using decorative stone mixtures to meet the specifications of the architecture.





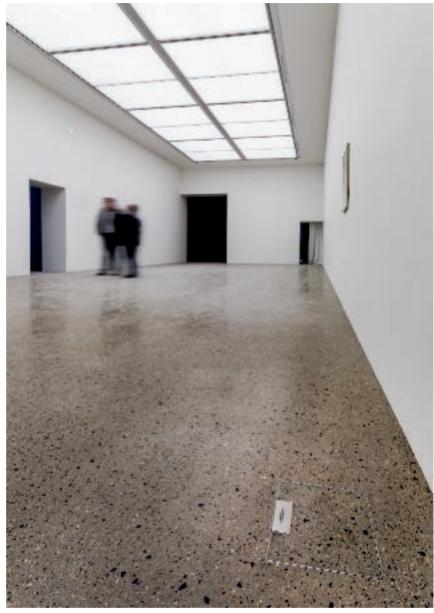
The cassette lined body for polished screeds is designed in such a way that cassettes are integrated into the floor without gaps. The floor covering recess of the cassette lids is filled with a Terrazzo layer, which is polished specially using suitable tools. This avoids unattractive joints. In this way, the access points to the electrical installations in the floor can be given an attractive appearance.



Cassettes with a tube body lid are suitable for classic wet cleaning: The tube body protects the installation compartment against ingressing water. The cassettes were tested according EN 50085-2-2 for use in wet-cleaned floors. The requirements of the standard are also fulfilled when the tube body is opened to let out cables.







Cassettes with folding cord outlets are suitable for dry floor cleaning or for moistened floor cleaning with a wrung mop.



System structure of underfloor system for polished screeds

The Ackermann made by OBO cassette lined body for polished screeds allows for surface-flush, jointless installation of cassettes into the floor area. This special solution for the installation of cassettes in polished floors created a lining, in which the cassette is adjusted to the specified top edge of the finished floor.

The side wall of the lined body matches the processing of the surface-ready screed. The screed layer can also carry loads in the edge area of the underfloor box, as the carrying layer and the use layer are just as thick in the edge areas.

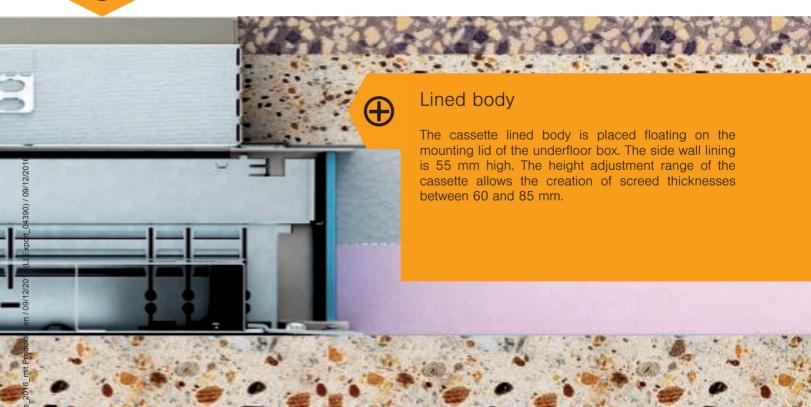


Polishing operation

For screed work, the aluminium mounting protection lid is inserted in the cassette frame. The mounting protection lid is covered with screed in the edge area and is polished together with the floor area. Fine polishing takes place in the same manner of the working of edge areas. The use layer is polished exactly to the top edge of the cassette.



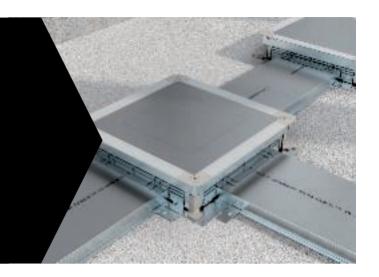




Mounting

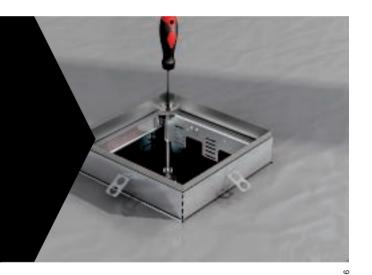
Mounting the duct system

According to the planning specifications, underfloor boxes are mounted at the intended points in the room. The underfloor ducts form the grid between the underfloor boxes, which are adjusted to the top edge of the insulation layer. The cassette lined body is mounted floating on the mounting lid of the underfloor box



Mounting cassette lined bodies and cassettes

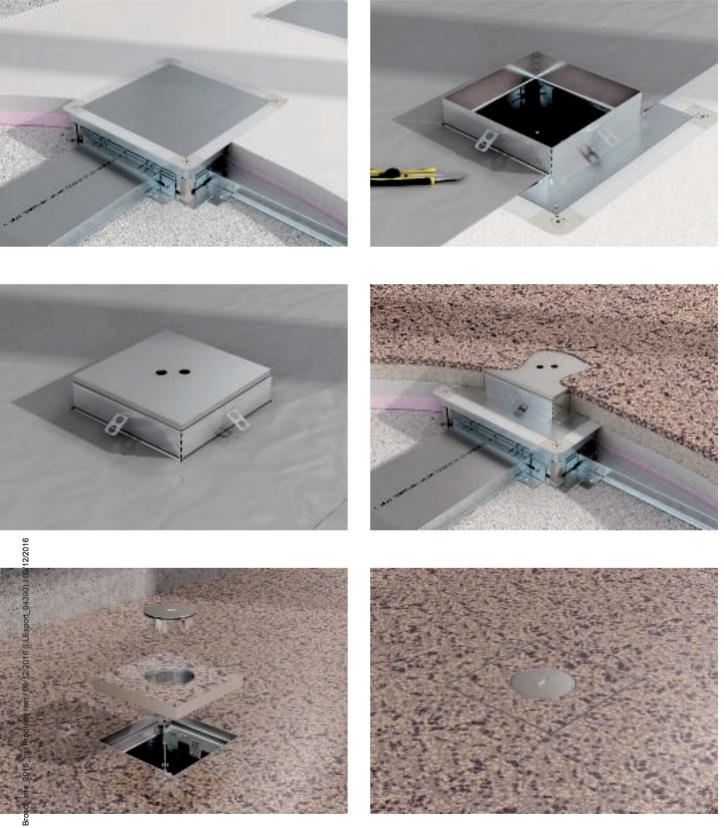
The cassette is fastened onto the raw concrete through the floor plate of the underfloor box and adjusted to the specified top edge of the finished screed floor. The mounting protection lid is inserted in the cassette frame. The screed is worked directly up to the cassette frame and the mounting protection lid is covered with the decorative screed layer.



Polishing the screed layer

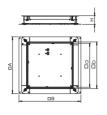
The mounting protection lid is polished in the first polishing operations. During polishing, it is important that the screed can be worked up to existing edges and can be polished, in order to avoid joint edges. The screed is poured into the lid of the cassette and is specially polished with suitable tools, in order to create an even surface.





UZD250-3 underfloor box



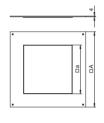


	Dimen-	Dimen-	Dimen-	Dimen-	Screed			
	sion A	sion B	sion a	sion b	height	Pack.	Weight	
Type	mm	mm	mm	mm	mm	pcs	kg/100 pcs.	Item No.
UZD 250-3	367	410	262	283	70	1	420,000	7410030
UZD 115170 250-3	367	410	262	283	115	1	480,000	7410043
UZD 165220 250-3	367	410	262	283	165	1	530,000	7410052
St Steel								/pc.

Underfloor junction and branch box for screed-covered underfloor installation systems. Side walls are prepared for duct widths 190 and 250 mm.

Mounting lid 250-3 for GES9



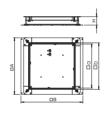


Type DUG 250-3 9	sion A mm	mm		Weight kg/100 pcs.	Item No.
_	1202	244		102,000	1400401
St Steel					/pc.
FS Strip-galvar	nised				

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

UZD350-3 underfloor box



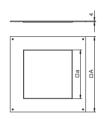


	Dimen-	Dimen-	Dimen-	Dimen-	Screed			
	sion A	sion B	sion a	sion b	height	Pack.	Weight	
Туре	mm	mm	mm	mm	mm	pcs	kg/100 pcs.	Item No.
UZD 350-3	467	510	362	383	70	1	590,000	7410034
UZD 115170 350-3	467	510	362	383	115	1	665,000	7410047
UZD 165220 350-3	467	510	362	383	165	1	740,000	7410056
St Steel								/pc.

FS Strip-galvanised
Underfloor junction and branch box for screed-covered underfloor installation systems.
Side walls prepared for duct widths of 190, 250 and 350 mm.

Mounting lid 350-3 for GES9



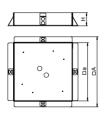


[Dimen-	Dimen-			
5	sion A	sion a	Pack.	Weight	
Type r	mm	mm	pcs	kg/100 pcs.	Item No.
DUG 350-3 9	383	244	1	267,000	7400513
St Steel					/pc.
FS Strip-galvania	sed				

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

Terrazzo lined body for height-adjustable cassettes, nominal size 9





		Dimen-				
	Material	sion h	Nominal	Pack.	Weight	
Type	symbol	mm	size	pcs	kg/100 pcs.	Item No.
SK RK9	St	55	9	1	190,000	7404372
St Steel						/pc.
FS Strin-	nalvanised	4				

Casing, suitable for polishing, for the direct and jointless installation of height-adjustable cassettes, nominal size 9, into surface-finished screeds/terrazzo floorings.

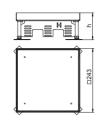
The casing is laid floatingly onto underfloor boxes with mounting lids of nominal size 9, closing the gaps between underfloor box and cassette frame. The protection cover made from aluminium sheet is put into the cassette frame as a dummy before the screed work is done and can be polished over with the screed or terrazzo.

08 UFS Terrazzo Broschuere_2016_mit Produkte / en / 09/12/2016 (LLExport_04390) / 09/12/2016

Height-adjustable cassette for inspection opening, RKN, stainless

		Dimen-	Floor covering	Floor			
	Nominal	sion h	thickness	height	Pack.	Weight	
Type	size	mm	mm	mm	pcs	kg/100 pcs.	Item No.
RKN2 9 VS 20	9	100	20	100	1	440,000	7409044
RKN2 9 VS 25	9	105	25	105	1	451,000	7409046
V2A Stainless s	teel, grade	e 304					/pc.

Height-adjustable "blank" cassette for the creation of an inspection opening of nominal size 9 in dry or wet-cleaned floors. Only suitable for smooth floor coverings.





Height-adjustable cassette with cord outlet, RKSN, stainless steel

		Dimen-	Floor covering	Floor			
	Nominal	sion h	thickness	height	Pack.	Weight	
Type	size	mm	mm	mm	pcs	kg/100 pcs.	Item No.
RKSN2 9 VS 20	9	105	20	105	1	430,000	7409218
RKSN2 9 VS 25	9	110	25	110	1	444,000	7409220
V2A Stainless stee	el, grade	304					/pc.

Height-adjustable cassette of nominal size 9 with cord outlet for installation of accessories in drycare floors.



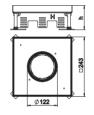


Height-adjustable cassette for tube body, RKFN, stainless steel

		Dimen-	Floor covering	Floor			
	Nominal	sion h	thickness	height	Pack.	Weight	
Type	size	mm	mm	mm	pcs	kg/100 pcs.	Item No.
RKFN2 9 VS 20	9	105	20	105	1	407,100	7409368
RKFN2 9 VS 25	9	110	25	110	1	501,000	7409370

V2A Stainless steel, grade 304

Height-adjustable cassette of nominal size 9 for tube body for installation of accessories in dry or wet-cleaned floors.





Height adjustment unit RKNEV2

/pc.

Туре	Dimension h mm	Pack. PU	Weight kg/100 PUs	Item No.
RK NEV2 110	110	1	25,200	7405815
RK NEV2 150	150	1	30,000	7405816
RK NEV2 190	190	1	35,000	7405817
RK NEV2 230	230	1	40,000	7405818
RK NEV2 270	270	1	45,800	7405819
			•	

G Electrogalvanised

St Steel /VPE





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

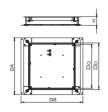
Dimen- sion "h"		RKN2, 25 mm	RK(S+F)N2, 20 mm	RK(S+F)N2, 25 mm	RKR2, 20/25 mm	RK(S+F)R2, 20/25 mm	OKB
mm	mm	mm	mm	mm	mm	mm	mm
110	140 - 190	145 - 195	145 - 190	150 - 195	145 - 195	150 - 195	133 - 173
150	180 - 230	185 - 235	185 - 230	190 - 235	185 - 235	190 - 235	173 - 213
190	220 - 270	225 - 275	225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

Dimensions



UZD350-3 underfloor box





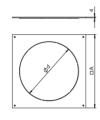
		Dimen-	Dimen-	Dimen-	Dimen-	Screed			
		sion A	sion B	sion a	sion b	height	Pack.	Weight	
Т	уре	mm	mm	mm	mm	mm	pcs	kg/100 pcs.	Item No.
ι	JZD 350-3	467	510	362	383	70	1	590,000	7410034
L	JZD 115170 350-3	467	510	362	383	115	1	665,000	7410047
ι	JZD 165220 350-3	467	510	362	383	165	1	740,000	7410056
S	Stool								/nc

FS Strip-galvanised

Underfloor junction and branch box for screed-covered underfloor installation systems. Side walls prepared for duct widths of 190, 250 and 350 mm.

Mounting lid 350-3 for GESR9



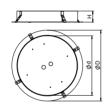


	Dimen-	Dimen-			
	sion A	sion d Ø	Pack	. Weight	
Type	mm	mm	pcs	kg/100 pcs.	Item No.
DUG 350-3 R9	383	305	1	230,000	7400549
St Steel					/pc.
FS Strip-galvanis	sed				

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

Terrazzo lined body for height-adjustable cassettes, nominal size 9





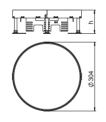
		Dimen-				
	Material	sion h	Nominal	Pack.	Weight	
Туре	symbol	mm	size	pcs	kg/100 pcs.	Item No.
SK RKR9	V2A	55	R9	1	220,000	7404376
V2A Stainle	arade 30	04			/nc	

Casing, suitable for polishing, for the direct and jointless installation of round height-adjustable cassettes, nominal size 9, into surface-finished screeds/terrazzo floorings. The casing is laid floatingly onto underfloor boxes with mounting lids of nominal size 9, closing the gaps between underfloor box and cassette frame.

The protection cover made from aluminium sheet is put into the cassette frame as a dummy before the screed work is done and can be polished over with the screed or terrazzo.

Height-adjustable cassette for inspection opening, RKR, stainless steel



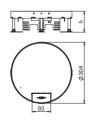


		Dimen-	Floor covering	Floor			
	Nominal	sion h	thickness	height	Pack.	Weight	
Туре	size	mm	mm	mm	pcs	kg/100 pcs.	Item No.
RKR2 9V 20	R9	105	20	105	1	453,000	7409128
RKR2 9V 25	R9	105	25	105	1	750,000	7409130
V2A Stainless steel, grade 304 /pc.							

Height-adjustable "blank" cassette for the creation of an inspection opening of nominal size R9 in dry or wet-cleaned floors. Only suitable for smooth floor coverings.

Height-adjustable cassette with cord outlet, RKSR, stainless steel





			Dimen-	Floor covering	Floor			
		Nominal	sion h	thickness	height	Pack.	Weight	
	Туре	size	mm	mm	mm	pcs	kg/100 pcs.	Item No.
	RKS2 R9 V20	R9	110	20	110	1	420,000	7409278
	RKS2 R9 V25	R9	110	25	110	1	420,000	7409280
V2A Stainless steel, grade 304			/pc.					

V2A Stainless steel, grade 304

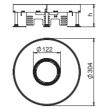
Height-adjustable cassette of nominal size R9 with cord outlet for installation of accessories in drycare floors.

Height-adjustable cassette for tube body, RKFR, stainless steel

		Dimen-	Floor covering	Floor			
	Nominal	sion h	thickness	height	Pack.	Weight	
Type	size	mm	mm	mm	pcs	kg/100 pcs.	Item No.
RKFR2 9 V20	R9	110	20	110	1	380,000	7409430
RKFR2 9 V25	R9	110	25	110	1	380,000	7409432
111111111111111111111111111111111111111	1.10	1		110		000,000	7 100402

V2A Stainless steel, grade 304

Height-adjustable cassette of nominal size R9 for tube body for installation of accessories in dry or wet-cleaned floors.





Height adjustment unit RKNEV2

/pc.

	Dimen-			
	sion h	Pack.	Weight	
Type	mm	PU	kg/100 PUs	Item No.
RK NEV2 110	110	1	25,200	7405815
RK NEV2 150	150	1	30,000	7405816
RK NEV2 190	190	1	35,000	7405817
RK NEV2 230	230	1	40,000	7405818
RK NEV2 270	270	1	45,800	7405819
St Steel				/VPE

/VPE





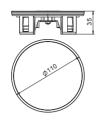
For flush-floor height-adjustment of the height-adjustable cassette units and the OKB screed-flush trunking system. The VPE consists of 4 height adjustment units.

G Electrogalvanised

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

Tube body with cover plate, without handle clamp, for frame cassette and height-adjustable cassette





	Pack.	Weight	
Туре	pcs	kg/100 pcs.	Item No.
TUK2 V	1	59,000	7428141
Zn Die-cast zinc			/pc.
N Nickel-plated			

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover made of V2A.

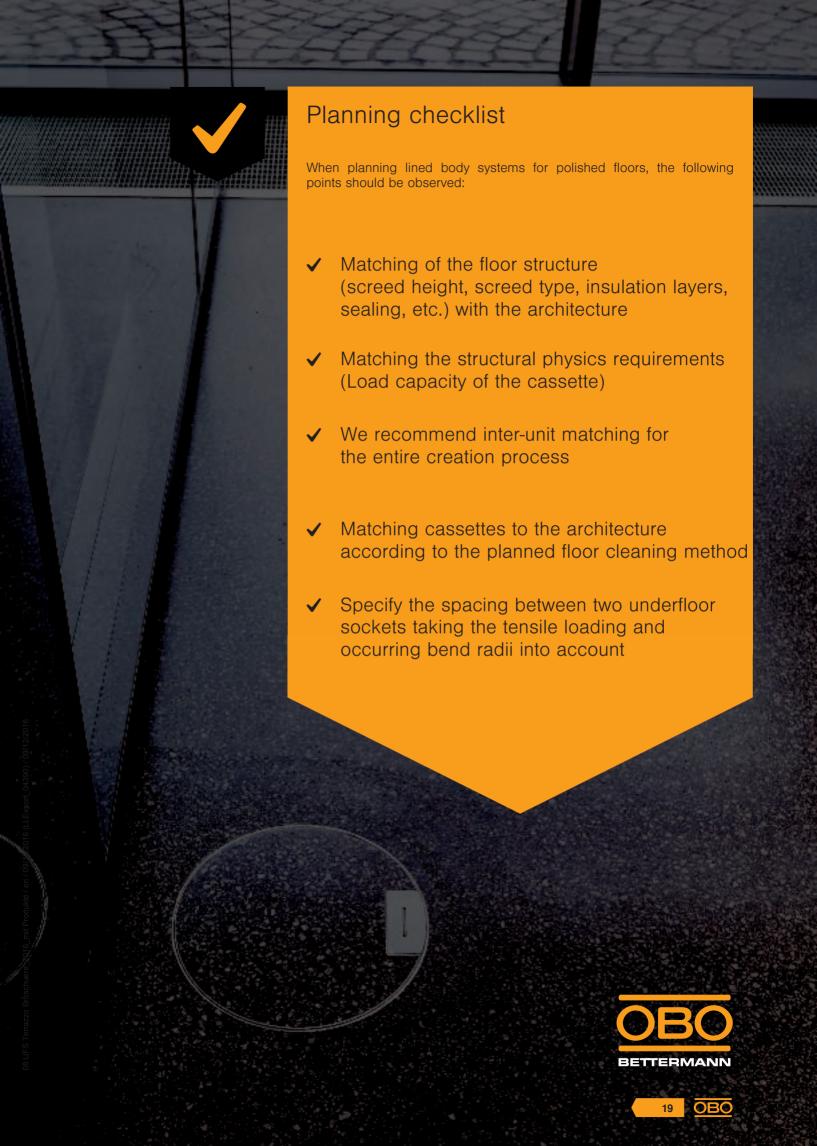
Tube body with cover plate, with handle clamp, for frame cassette and height-adjustable cassette





Туре	Pack. Weight pcs kg/100 pcs. Item No.
TUK2 GV	1 59,000 7428140
Zn Die-cast zinc	/pc.
N Nickel-plated	

Height-adjustable cord outlet for installation in RKF frame cassettes and in height-adjustable round and square RKFR and RKFN cassettes. Raised height when used, flushfloor when unused. Use in wet-care floors. Tube body cover and handle made of V2A.



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