

ACCESS COVERS

The access covers are made of structural zinc-coated steel, stainless steel or aluminum and designed for the A15 to D400 kN load classes according to EN 124. The access covers can be used in concrete floors and floors with lining. The covers are fastened to the frame with screws. The cover is made of antiskid metal plate or it is prepared for different surfaces (concrete, tiles, vinyl). Standard construction is water tight and smell tight.

System overview

The access covers are made of structural zinc-coated steel, stainless steel or aluminum.

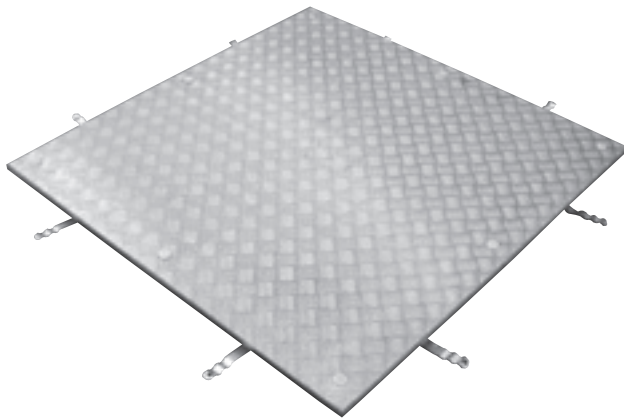
They are designed for the A15 to D400 kN load classes according to EN 124.

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The covers are fastened to the frame with screws.

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Standard construction is water tight and smell tight.



Installation instructions for aluminium, stainless steel and galvanized steel covers

Set of tools supplied

- 8 space blocks - if supplied
- 2 lifting keys
- 4 screws CHC
- 4 protection caps
- Reinforcement fabric



Installation tools required

- Trowel
- Spirit level
- Hammer
- Concrete mixing bucket 11 liters (capacity minimum)
- Tamping bar



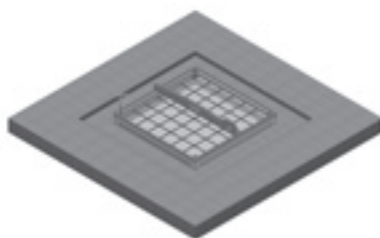
Installation instructions

1. Before installation, ensure the cover is fully assembled in the frame and that space blocks-if supplied, are in position between the cover and frame.
2. Protect the visible edges of the frame and cover, corner locking blocks, fixing screws and screw protection caps as concrete splashes will stain the product and spoil its installed appearance.

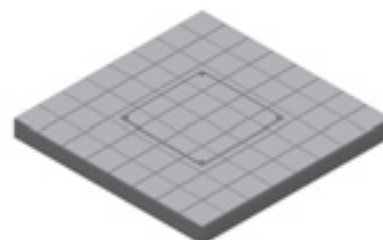
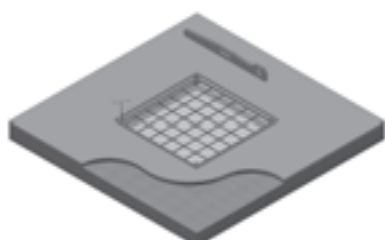
For aluminium covers where additives are used in the concrete mix, for example, anti-freezing or accelerating agents, it is recommended that surfaces exposed to concrete are first primed with either an epoxy or bitumen paint to protect from long term corrosion.

3. Install the assembled cover and frame in position to the required level.
4. Prepare the structural infill concrete to Strength Class C25/30 with low water content (e.g. Consistence Class S2) at a temperature range between 10 to 20°C. Check the reinforcement fabric is clipped into the plastic spacers for covers where provided. If not, position the fabric so the underside of the lowest wire is between 15 and 20 mm from the upper surface of the base of cover. The cover can be pre-filled before the fixing of the frame inside the space provided. In this case, this should be carried out on flat, level ground, according the paragraph 1.

5. Spread the concrete evenly in the cover using a tamping bar to the required level, taking into account any additional final floor finish.
6. After the concrete has cured, remove any surface edge protection and clean any detritus between cover and frame. Insert cover final floor finish as appropriate.



Locate frame on 40 mm min mortar bed with 150 mm mortar surround.



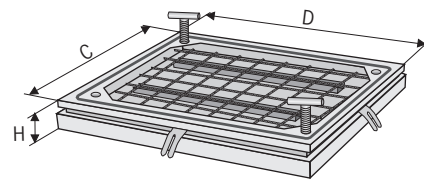
Maintenance

Every 12 months, remove the cover, clean and grease the frame and securing screws before replacing the cover. **Protect the filled cover from frost and rain and leave the concrete to dry for 48 hours before handling.** The full strength of the concrete will not be achieved before 28 days. Note: any surface corrosion on the reinforcing fabric will not adversely affect the bonding between fabric and concrete.

Eurocovers

These covers combine stainless steel grades 304 or 316 and polymer concrete. Covers are available in a wide range of sizes for either medium or heavy duty applications and can accommodate a wide range of floor finishes, including vinyl sheet flooring. AISI 304+polymer concrete is standard (Grade 316 stainless steel with polymer concrete on request).

Type clear opening	CxD	H	Load	Weight	Part. No.	Part. No.
	(mm)	(mm)	class	(kg).	AISI 304	AISI 316
300x300	492x492	85	A	21	49556	59556
300x300	492x492	145	B	31	49557	59557
450x450	642x642	85	A	28	49550	59550
450x450	642x642	145	B	43	49553	59553
600x450	792x642	85	A	44	49551	59551
600x450	792x642	145	B	51	49554	59554
600x600	792x792	85	A	50	49552	59552
600x600	792x792	145	B	58	49555	59555
750x600	942x792	85	A	45	49560	59560
750x600	942x792	145	B	65	49561	59561
750x750	942x942	85	A	61	49558	59558
750x750	942x942	145	B	71	49559	59559

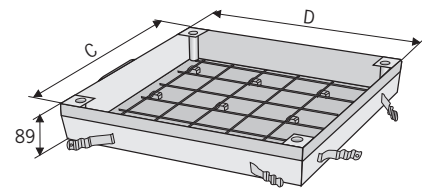


Recessed access covers

Covers are produced from grade 304 stainless steel or galvanised mild steel. Grade 316 stainless steel is used only on request. Covers are gasket-sealed, screw-fixed and delivered with handles. A special jacking key guarantees easy lifting of the cover from the frame. A wide range of sizes and load resistances make these covers ideal for normal use in outdoor or indoor applications.

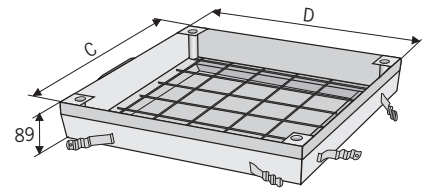
Load class A

Type clear opening	CxD (mm)	Cover height	Concrete infill	Weight (kg)	Part. No. AISI 304	Part. No. galvaniz.
300x300	442x442	70	50	9	406489	406498
400x400	542x542	70	50	12	406490	406499
450x450	592x592	70	50	14	406491	406500
500x500	642x642	70	50	16	406492	406501
600x600	742x742	70	50	20	406493	406502
635x635	777x777	70	50	21	406521	406485
700x700	842x842	70	50	25	406522	406486
800x800	942x942	70	50	30	406523	406487
1000x1000	1142x1142	70	50	40	406524	406488



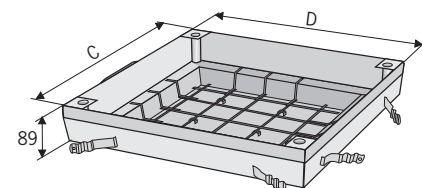
Load class B

Type clear opening	CxD (mm)	Cover height	Concrete infill	Weight (kg)	Part. No. AISI 304	Part. No. galvaniz.
300x300	442x442	70	50	9	406489	406498
400x400	542x542	70	50	12	406490	406499
450x450	592x592	70	70	14	406491	406500
500x500	642x642	70	70	16	406492	406501
600x600	742x742	70	70	20	406493	406502
635x635	777x777	110	100	21	406494	406503
700x700	842x842	110	100	26	406495	406504
800x800	942x942	110	100	31	406496	406505
1000x1000	1142x1142	110	100	42	406497	406506



Load class C

Type clear opening	CxD (mm)	Cover height	Concrete infill	Weight (kg)	Part. No. AISI 304	Part. No. galvaniz.
300x300	442x442	70	70	9	406489	406498
400x400	542x542	70	70	12	406490	406499
450x450	592x592	110	100	15	406507	406514
500x500	642x642	110	100	18	406508	406515
600x600	742x742	110	100	22	406509	406516
635x635	777x777	140	130	23	406510	406517
700x700	842x842	140	130	28	406511	406518
800x800	942x942	140	130	33	406512	406519
1000x1000	1142x1142	140	130	45	406513	406520



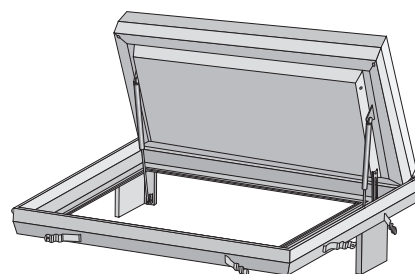
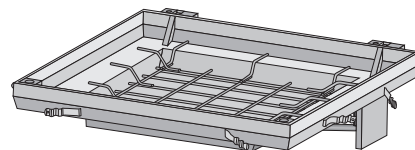
Load class D on request.

Recessed access cover with opening assistance

Covers are produced from grade 304 stainless steel or galvanised mild steel in a wide range of sizes up to load class C250. Covers are gasket-sealed and screw-fixed with hinges and gas springs, which guarantee the easy opening of the cover by one person. A safety device prevents the cover from closing. **The gas springs must be installed after concreting and the concrete has set!**

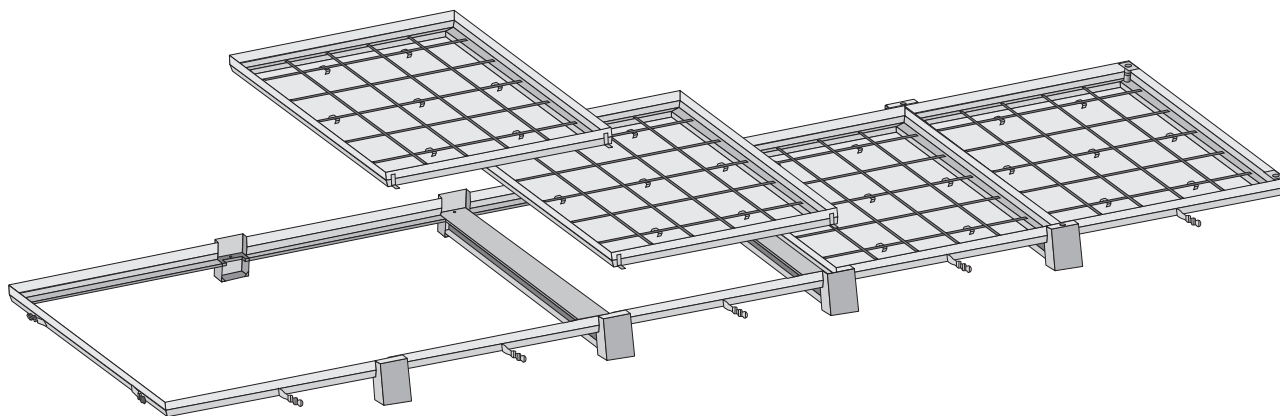
Type clear opening	CxD (mm)	Load class	Cover height	Concrete infill	Weight (kg)	Part. No. AISI 304	Part. No. galvaniz.
400x400	542x575	B	70	70	14	406529	406537
500x500	642x675	B	70	70	19	406530	406538
600x600	742x775	B	70	70	24	406531	406539
800x800	942x975	A	70	70	33	406532	406540
1000x1000	1142x1175	A	70	70	44	406533	406541
500x500	642x675	C	110	100	21	406534	406542
600x600	742x775	C	110	100	25	406535	406543
800x800	942x975	B	110	100	35	406536	406544

Bespoken sizes only on request.



Multipart recessed access cover

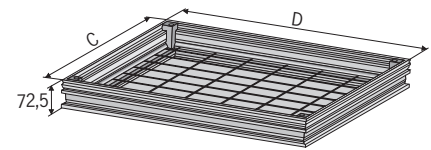
Covers are produced from grade 304 stainless steel or galvanised mild steel. Grade 316 stainless steel is used only on request. Covers are gasket-sealed and screw-fixed. The smart solution of a multipart recessed access cover makes for trouble-free assembly and removal. Removable support beams make it possible to use the whole clear opening. Covers are tested for load classes A and B.



Alucover

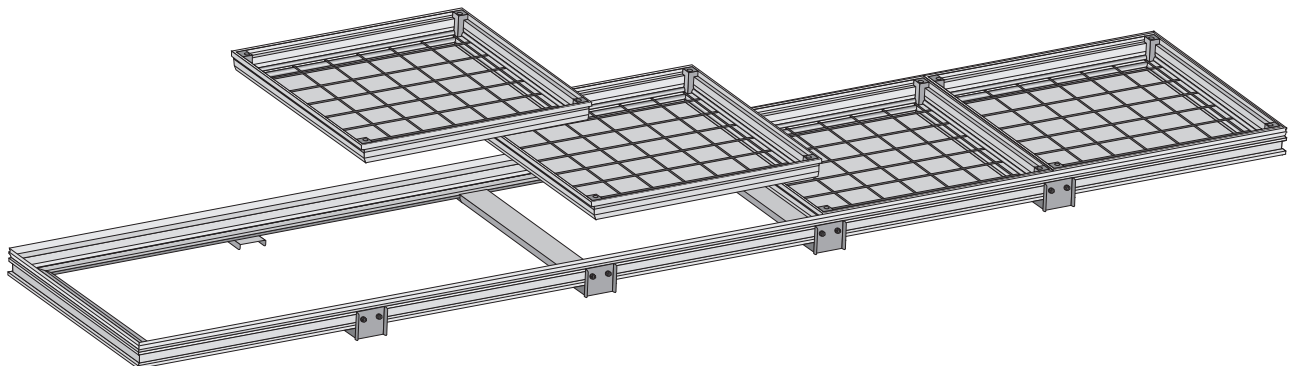
Covers are produced from aluminium and magnesium alloys. Covers are gasket-sealed and screw-fixed. The unique non-welded shape of the frame and cover make for easy installation. Double sealing and an additional grit seal are standard. The weight is reduced to the minimum but provides the same mechanical resistance as a standard aluminium cover. A show brass edge and vinyl option are also available.

Type clear opening	CxD	Load capacity		Weight	Part. No.
	(mm)	(kN) 50 mm concrete infill	(kN) 70 mm concrete infill	(kg)	
300x300	398x398	100	125	4	405340
400x400	498x498	100	125	5	405341
450x450	548x548	50	125	6	405342
500x500	598x598	50	125	7	405343
600x400	698x498	50	125	7	405344
600x600	698x698	50	125	8	405345
800x600	898x698	50	125	10	405346
1000x600	1098x898	50	125	12	405826
700x700	798x798	15	100	10	405347
800x800	898x898	15	100	12	405348
1000x800	1098x898	15	50	13	405349
1000x1000	1098x1098	15	50	16	405350



Multipart Alucover

Covers are produced from aluminium and magnesium alloys. Covers are gasket-sealed and screw-fixed. The smart solution of multipart access covers makes for trouble-free assembly and removal. Removable support beams make it possible to use the whole clear opening. Covers are tested for load class A.

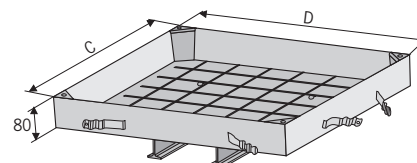


Pavement cover

Covers are produced from 3-mm-thick galvanised mild steel, with stainless steel and watertight options only on request. Strong support beams are welded under the base plate, which guarantees load resistance without any additional concreting. The 20-mm concrete bed is reinforced with wire mesh and is only for the precision placing of pavement blocks.

Load class B

Type clear opening	CxD (mm)	Cover height	Weight (kg)	Part. No. galvaniz.
300x300	446x446	80	15	406569
400x400	546x546	80	20	406570
500x500	646x646	80	30	406571
600x600	746x746	80	37	406572
700x700	846x646	80	50	406573
800x800	946x946	80	62	406574
900x900	1146x946	80	72	406575
1000x1000	1146x1146	80	85	406576



Load class C

Type clear opening	CxD (mm)	Cover height	Weight (kg)	Part. No. galvaniz.
300x300	446x446	80	17	406577
400x400	546x546	80	23	406578
500x500	646x646	80	33	406579
600x600	746x746	80	40	406580
700x700	846x646	80	56	406581
800x800	946x946	80	69	406582
900x900	1146x946	80	82	406583
1000x1000	1146x1146	80	95	406584

Covers for pavement (according EN 124) Installation instructions and maintenance manual

Installation instructions

- Ensure the cover is assembled in the frame and the spacer blocks are in position between the cover and the frame.
- Protect the locking screws and the periphery of the frame against concrete splashes. This can be very difficult to remove it at a later stage.
- Install the assembled cover and frame in position to the required level. Use a spirit-level.
- The anchors attached to the frame must be extended to ensure the assembled cover and frame are reliably anchored into the finished concrete surround.
- The gap must be filled with B 30 concrete.
- Loading of the cover can take place after the concrete has hardened min. after 72 hours. If necessary, rapid-hardening concrete can be used.
- After the concrete has hardened, open the cover and clean all concrete remnants from the frame and cover in the area of fitting and sealing.
- Fill the cover with paving, laid in concrete bed.

Maintenance

- Check the seal every time the cover is removed (in case if the seal is provided).
- Every 12 months, remove the cover, clean and grease the frame and locking screws before replacing the cover.
- Prevent the slot from leakage some silt or other dirt.

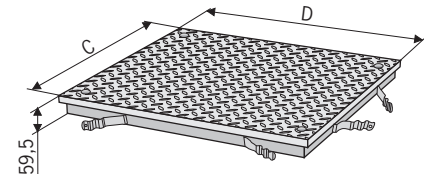
General instruction

- The required loading class is achieved without concrete infilling of the cover (according EN 124).

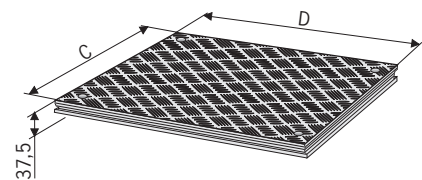
Solid top access covers

Solid covers are produced for loading classes A15 and B125. Class A15 is made in different versions: galvanised steel and stainless steel. The upper side of the cover is protected by a 5-mm-thick metal sheet with an antiskid surface. When galvanised covers are placed in a damp or otherwise corrosive environment, it is recommended to treat the cover with additional anti-corrosion protection, additional treatment is not part of the cover as supplied. Enhanced fire resistance is provided upon order.

Type clear opening	CxD	Load class	Weight (kg)	Part. No.	
	(mm)			AISI 304	galvaniz.
300 x 300	396 x 396	A	13	403860	403868
450 x 450	546 x 546	A	21	403861	403869
500 x 500	596 x 596	A	24	403862	403870
400 x 600	496 x 696	A	23	403863	403871
600 x 600	696 x 696	A	31	403909	403912
635 x 635	731 x 731	A	34	403864	403872
600 x 800	696 x 896	A	39	403865	403873
800 x 800	896 x 896	A	47	403910	403913
600 x 1000	696 x 1096	A	46	403866	403874
800 x 1000	896 x 1096	A	56	403867	403875
1000 x 1000	1096 x 1096	A	66	403411	403914
300 x 300	396 x 396	B	15	403887	403898
450 x 450	546 x 546	B	28	403888	403899
500 x 500	596 x 596	B	32	403889	403900
400 x 600	496 x 696	B	34	403890	403901
600 x 600	696 x 696	B	47	403891	403902
635 x 635	731 x 731	B	50	403892	403903
600 x 800	696 x 896	B	46	403893	403904
800 x 800	896 x 896	B	60	403894	403905
600 x 1000	696 x 1095	B	56	403895	403906
800 x 1000	896 x 1096	B	74	403896	403907
1000 x 1000	1096 x 1096	B	86	403897	403908

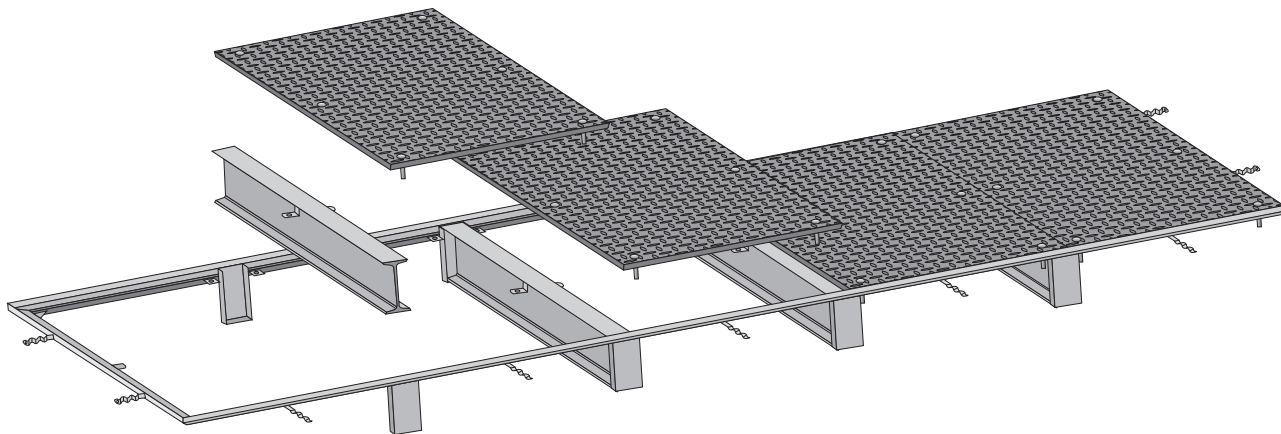


Type clear opening	CxD	Load class	Weight (kg)	Part. No.
	(mm)			Al. + V2A
300 x 300	396 x 396	A	4	403876
450 x 450	546 x 546	A	5	403877
500 x 500	596 x 596	A	7	403878
400 x 600	496 x 696	A	7	403879
600 x 600	696 x 696	A	10	403880
635 x 635	731 x 731	A	10	403881
600 x 800	696 x 896	A	12	403882
800 x 800	896 x 896	A	15	403883
600 x 1000	696 x 1096	A	15	403884
800 x 1000	896 x 1096	A	18	403885
1000 x 1000	1096 x 1096	A	22	403886



Multipart solid access cover

Covers are produced from stainless steel and galvanised mild steel. Upper side of cover is protected by 5-mm-thick metal sheet with an antiskid surface. Removable support beams enable to use whole clear opening. Covers are tested for load classes A and B.



Solid top access covers load class A and B installation instructions and maintenance manual

Installation instructions

- Ensure the cover is assembled in the frame.
- Protect the locking screws and the periphery of the frame from concrete splashes. These can be very difficult to remove at a later stage.
- Install the assembled cover and frame in position at the required level. Use the spirit-level.
- The anchors attached to the frame must be extended to ensure that the assembled cover and frame are securely anchored into the finished concrete surround.
- The gap must be poured by B 30 concrete.
- The cover can be fitted after the concrete has set fully (after at least 72 hours). The quick set (rapid hardening) concrete can be used if necessary.
- Once the concrete has fully hardened, open the cover and clean the frame and cover in the area of fitting and sealing from concrete remnants.

Maintenance

- Check the seal every time the cover is removed.
- Remove the cover every 12 months and clean and grease the frame and locking screws before replacing.
- Prevent the slot from leakage of silt or other matter.

General instruction

- Solid covers are produced for loading classes A15 and B125.
- Covers are made out from galvanized steel and stainless steel.