



Full Catalogue Manhole Covers



FF Systems



FF Systems - Contact details

Get in touch!

Our experienced sales team at the company headquarters in Münchsdorf will be happy to provide you with reliable advice. Whether standard or custom-made, our trained specialists will find a tailor-made solution together with you.

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Florian Thaller

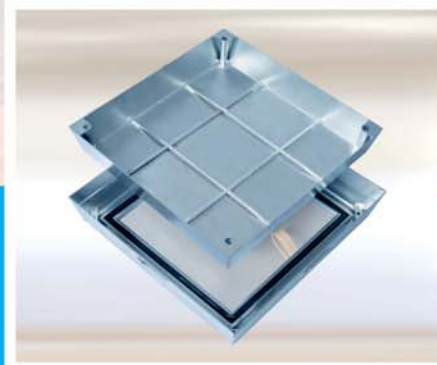
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Scan code to
go directly to the
manhole cover overview

FF Systems



Discover our

Manhole covers **Fire protection**

ProfessionalLine+

MasterLine

Top quality directly from the manufacturer

You can buy DIRECT!

*Your fire protection specialist
for manhole covers / shaft covers*

For every floor covering

Our range includes manhole covers (with and without fire protection) for indoor and outdoor use. Through our wide range of products, we offer solutions for every type of hard floor, such as ceramic tiles, marble, terrazzo tiles, synthetic resin and parquet, as well as for outdoor floor coverings such as stone paving, granite or concrete.

You can browse through a large selection of manhole covers (with and without fire protection) made of aluminium, steel or stainless steel in this catalogue or on our website at www.ffsystems.de.



■ ■ ■ ■ ■ **FF Systems**

Overview of fillable and removable manhole covers

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	Page 10 EcoLine ECO System Galvanised		Page 11 EcoLine ECO System Stainless Steel		Page 12 ProfessionalLine PRO+ System Aluminium		Page 13 ProfessionalLine PRO+ System Galvanised
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EasyLifter



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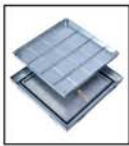
Overview of fire protection manhole covers

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	Page 26 ProfessionalLine PRO+ System Galvanised/ Stainless Steel Fire Protection		Page 27 ProfessionalLine PRO+ System Aluminium Fire Protection		Page 28 ProfessionalLine PRO+ System Galvanised/ Stainless Steel Maxi Fire Protection		Page 29 PremiumLine 5000 Series Aluminium Fire Protection
	Page 30 PremiumLine 5000 Series Multi-Piece Aluminium Fire Protection		Page 31 PremiumLine 7500 Series Aluminium Fire Protection		Page 32 PremiumLine 7500 Series Multi-Piece Aluminium Fire Protection		Page 33 MasterLine MA-BS System with opening aid, stainless steel
	Page 34 MasterLine MA-BSZ System with opening aid, stainless steel central locking						

Thermo manhole covers

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Page 35

ProfessionalLine

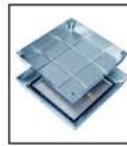
PRO+ Thermo System
Galvanised/
Stainless Steel



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ProfessionalLine

PRO+ Thermo System
Aluminium



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ProfessionalLine

PRO+ Maxi Thermo System
Galvanised/
Stainless Steel

Overview of manhole covers with opening support, fillable

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PremiumLine

HSE 75 Series
Aluminium



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MasterLine

MA-GB System
with opening aid,
stainless steel



Page 41

MasterLine

MA-GBZ System
with opening aid,
stainless steel
central locking



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MasterLine

MA-WB System
with opening aid,
passable, rainproof,
stainless steel

Overview of manhole covers chequer plate/bulb plate

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PremiumLine

5 Bar Series
Aluminium



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ProfessionalLine

PRO+TR System
Galvanised



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ProfessionalLine

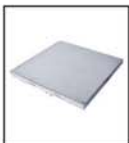
PRO+TR System
Stainless Steel



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Rostfrei

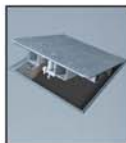
SA3-RI/TR System
rainproof,
walkable, square



Page 49

MasterLine

MA-GTR System
with opening aid,
stainless steel



Page 50

MasterLine

MA-WT System
with opening aid,
passable, rainproof,
stainless steel

Overview of well covers

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Page 53

Rostfrei

SA1 System
rainproof, square

Glass
bead-blasted
surface



Page 54

Rostfrei

SA2 System
rainproof, round

Glass
bead-blasted
surface



Page 55

Rostfrei

SA3 System
burglar-resistant,
square

Glass
bead-blasted
surface



Page 56

Rostfrei

SA4 System
burglar-resistant,
round

Glass
bead-blasted
surface



Page 57

Rostfrei

SA5 System
flood-proof,
square

Glass
bead-blasted
surface



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Rostfrei

SA6 System
flood-proof,
round

Glass
bead-blasted
surface

Special features and accessories for our systems



Comfort key

The back-friendly solution for the convenient and easy removal of heavy manhole covers.

- Back-friendly
- Simple handling
- Robust construction



EasyLifter



With our EasyLifter you can lift your manhole cover easily and effortlessly.

Our EasyLifters are designed for a load of up to 300 kg/EasyLifter. This enables effortless opening and moving of manhole covers of up to 600 kg.

- Recommended for fillable manhole covers weighing 50 kg or more
- Including FF universal bolt with M10 or M12 thread
- Trapezoidal threaded spindle enables quick and easy opening of the manhole cover



High-quality gas springs

Our systems with opening aids are equipped with high-quality gas springs.

The opening of the manhole cover is supported by the gas springs in such a way that it is possible for it to be opened and closed by just one person.

- Durable and robust
- Maintenance-free
- Optimised spring force for comfortable opening and closing despite heavy weight
- Low wear, even with frequent opening and closing

Fire protection inserts

Tested fire safety device for a significant contribution to fire safety.

Our 'fire protection' systems without gas spring are supplied with special fire protection inserts. These are installed in circumferential Z-angle frames and can simply be inserted into the installation frames after assembly.

Test certificates certify that our 'fire protection' manhole covers can withstand a fire for up to 120 minutes, depending on the design, and thus make a significant contribution to fire protection safety.



Thermal inserts

The thermal solution for specific temperature requirements, especially inside the chamber.

Our 'Thermo' systems are supplied with special thermal inserts. These thermal insulation panels are made of rigid polyurethane foam and are aluminium-coated on both sides. The thermal inserts are installed in circumferential Z-angle frames and can simply be inserted into the installation frames after assembly.

The 'Thermo' shaft cover systems are suitable for shaft solutions where there are specific temperature requirements, especially inside the shaft.



Special systems for pool installation

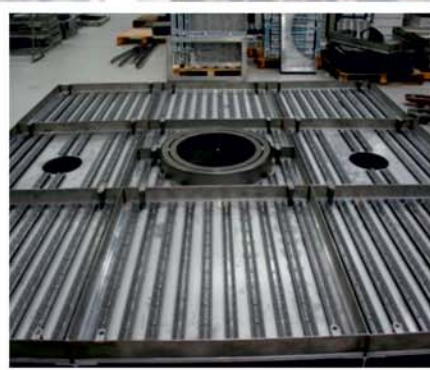
Variable and height-adjustable manhole covers, optimised for installation in technical manholes of pool systems.

As an interface between several trades, these systems offer maximum flexibility so that the manhole covers can still be adjusted to the correct height of the final floor covering afterwards.

The side screw mounting offers a considerable time advantage and makes time-consuming concreting-in unnecessary.

The frame constructions can also be provided with a water drain to enable the controlled drainage of surface water.





You should also discover our:

Tree casing

the professionals for innovative construction



FF Systems

Fillable and removable manhole covers

fillable, removable



Page 10

EcoLine

ECO System
Hot-dip galvanised steel



Page 11

EcoLine

ECO System
Stainless Steel



Page 12

ProfessionalLine

PRO+ System
Aluminium



Page 13

ProfessionalLine

PRO+ System
Hot-dip galvanised steel



Page 14

ProfessionalLine

PRO+ System
Stainless Steel



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ProfessionalLine

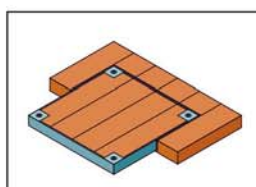
PRO+Maxi System
Hot-dip galvanised steel



Page 16

ProfessionalLine

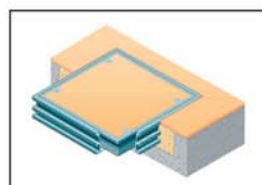
PRO+Maxi System
Stainless Steel



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PremiumLine

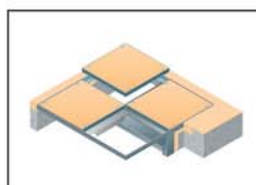
2500 Series
Stainless Steel



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PremiumLine

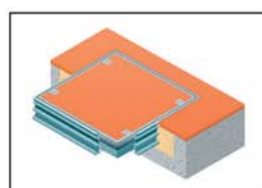
5000 Series
Aluminium



Page 19

PremiumLine

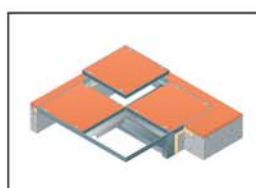
5000 Series
Multi-Piece Aluminium



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PremiumLine

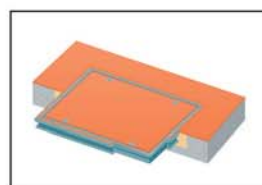
7500 Series
Aluminium



Page 21

PremiumLine

7500 Series
Multi-Piece Aluminium



Page 22

PremiumLine

Visedge Series
Aluminium



Page 23

PremiumLine

Visedge Series
Multi-Piece Aluminium

ECO System Manhole Covers

Hot-dip galvanised steel

EcoLine

Product description:

The ECO System Manhole Cover is made of 2 mm hot-dip galvanised steel. The range of different tray depths of 50 mm and 120 mm offers the right solution for every application. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover can be removed at the corner points with the lifting key. Filling with paving, tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.



Load:

Up to 400 kN test force according to EN 124 (class D400)

Material:

- Case and tray made of 2 mm hot-dip galvanised steel

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions.

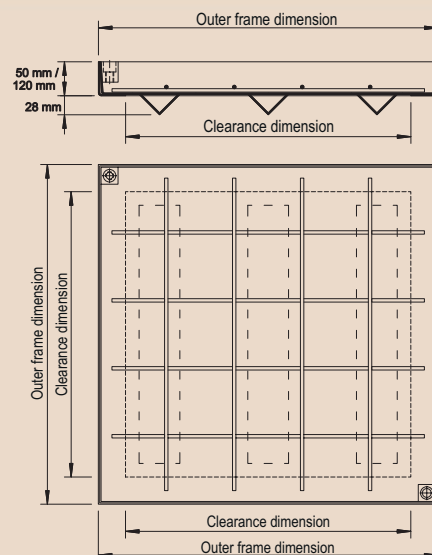
Special designs and multi-part designs:

Special sizes in any desired size and multi-part designs can be produced on request.



Hot-dip galvanised steel

suitable for:



	Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
Height 50 mm	ECO-400400V50	400 x 400	320 x 320	7 kg	L
	ECO-500500V50	500 x 500	420 x 420	11 kg	L
	ECO-600600V50	600 x 600	520 x 520	14 kg	L
	ECO-700700V50	700 x 700	620 x 620	18 kg	L
	ECO-800800V50	800 x 800	720 x 720	25 kg	L
	ECO-900900V50	900 x 900	820 x 820	30 kg	L
Height 120 mm	ECO-10001000V50	1000 x 1000	920 x 920	31 kg	L
	ECO-400400V120	400 x 400	320 x 320	10 kg	L
	ECO-500500V120	500 x 500	420 x 420	15 kg	L
	ECO-600600V120	600 x 600	520 x 520	21 kg	L
	ECO-700700V120	700 x 700	620 x 620	26 kg	L
	ECO-800800V120	800 x 800	720 x 720	30 kg	L
	ECO-900900V120	900 x 900	820 x 820	39 kg	L
	ECO-10001000V120	1000 x 1000	920 x 920	45 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Special advantages of our system

- With fastening anchors for a secure hold
- Almost invisible when installed
- Tray depths of 50 mm and 120 mm available
- With additional cross struts for reinforcement
- Easy to open due to conical design
- Level with the ground for setting in concrete

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

ECO System Manhole Covers

Stainless Steel

EcoLine



Stainless Steel

Product description:

The ECO system manhole cover is made of 2 mm stainless steel. The tray depth is 50 mm. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover can be removed at the corner points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.



Load:

Up to 15 kN test force according to EN 124 (class A15)

Material:

Case and tray made of 2 mm stainless steel

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions.

Special designs and multi-part designs:

Special sizes in any desired size and multi-part designs can be produced on request.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
ECO-400400E50	400 x 400	320 x 320	7 kg	L
ECO-500500E50	500 x 500	420 x 420	9 kg	L
ECO-600600E50	600 x 600	520 x 520	12 kg	L
ECO-700700E50	700 x 700	620 x 620	16 kg	L
ECO-800800E50	800 x 800	720 x 720	19 kg	L
ECO-900900E50	900 x 900	820 x 820	24 kg	L
ECO-10001000E50	1000 x 1000	920 x 920	27 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

suitable for:

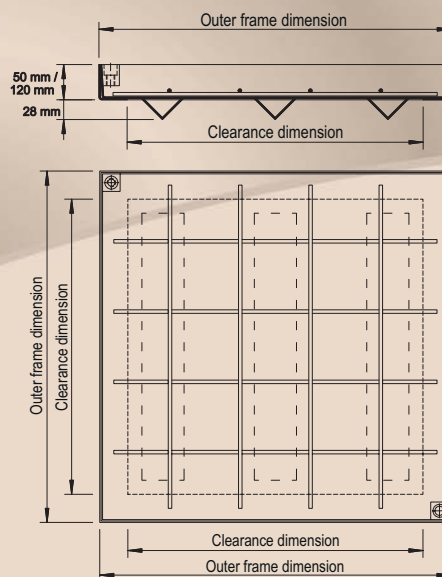


Pedestrian traffic

Special advantages of our system

- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 50 mm
- With additional reinforcement profiles
- Easy to open due to conical design
- Level with the ground for setting in concrete

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

PRO+ System Manhole Covers

Aluminium

ProfessionalLine+

Product description:

The PRO+ System Manhole Cover is made of 2.5 mm aluminium. The tray depth is 65 mm and the installation height is only 75 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.



Aluminium

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2.5 mm aluminium

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Special designs: Special sizes in any desired size can be produced on request.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+300300AL75	420 x 420	300 x 300	5 kg	L
PRO+400400AL75	520 x 520	400 x 400	6 kg	L
PRO+500500AL75	620 x 620	500 x 500	7 kg	L
PRO+600600AL75	720 x 720	600 x 600	8 kg	L
PRO+700700AL75	820 x 820	700 x 700	9 kg	L
PRO+800800AL75	920 x 920	800 x 800	11 kg	L
PRO+10001000AL75	1120 x 1120	1000 x 1000	15 kg	L

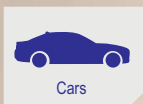
L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

suitable for:



Pedestrian traffic

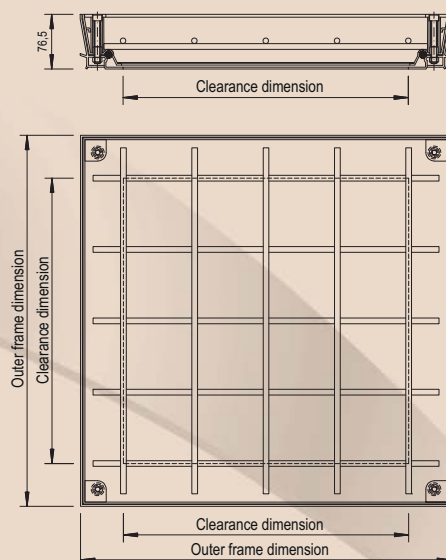


Cars

Special advantages of our system

- With frost- and weather-resistant special seal
- Almost invisible when installed
- The tray depth is 65 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

PRO+ System Manhole Covers

Hot-dip galvanised steel

ProfessionalLine+



Hot-dip galvanised steel

Product description:

The PRO+ System Manhole Cover is made of 2 mm hot-dip galvanised steel. The tray depth is 50 mm and the installation height is only 75 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is set in concrete flush with the



floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2 mm hot-dip galvanised steel

Areas of application:

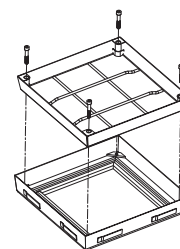
For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.



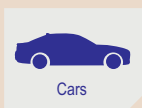
Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+300300V75	435 x 435	300 x 300	10 kg	L
PRO+400400V75	535 x 535	400 x 400	13 kg	L
PRO+500500V75	635 x 635	500 x 500	17 kg	L
PRO+600600V75	735 x 735	600 x 600	21 kg	L
PRO+700700V75	835 x 835	700 x 700	26 kg	L
PRO+800800V75	935 x 935	800 x 800	30 kg	L
PRO+10001000V75	1135 x 1135	1000 x 1000	42 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Special designs: Special sizes in any desired size can be produced on request.

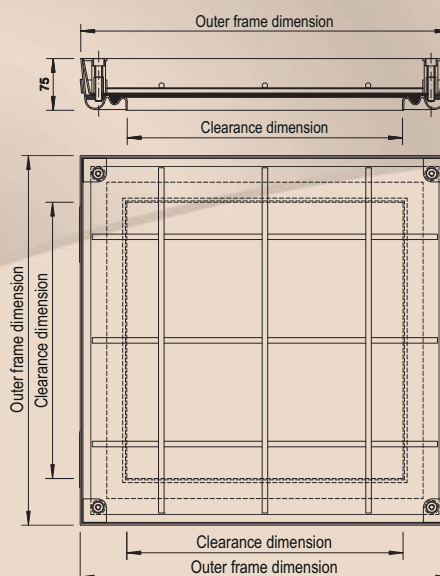
suitable for:



Special advantages of our system

- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 50 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

PRO+ System

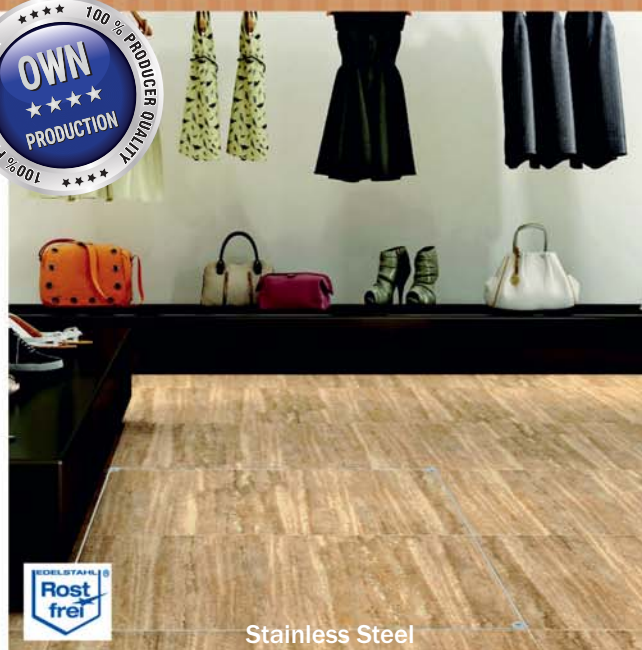
PRO+ System Manhole Covers

Stainless Steel

ProfessionalLine+

Product description:

The PRO+ System Manhole Cover is made of 2 mm stainless steel. The tray depth is 50 mm and the installation height is only 75 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.



Stainless Steel

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

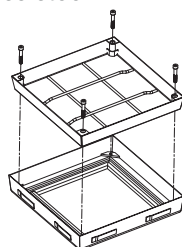
Case and tray made of 2 mm stainless steel

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.



Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+300300E75	435 x 435	300 x 300	9 kg	L
PRO+400400E75	535 x 535	400 x 400	11 kg	L
PRO+500500E75	635 x 635	500 x 500	15 kg	L
PRO+600600E75	735 x 735	600 x 600	18 kg	L
PRO+700700E75	835 x 835	700 x 700	24 kg	L
PRO+800800E75	935 x 935	800 x 800	29 kg	L
PRO+10001000E75	1135 x 1135	1000 x 1000	35 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

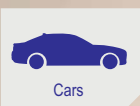
B = production to order

Special designs: Special sizes in any desired size can be produced on request.

suitable for:



Pedestrian traffic

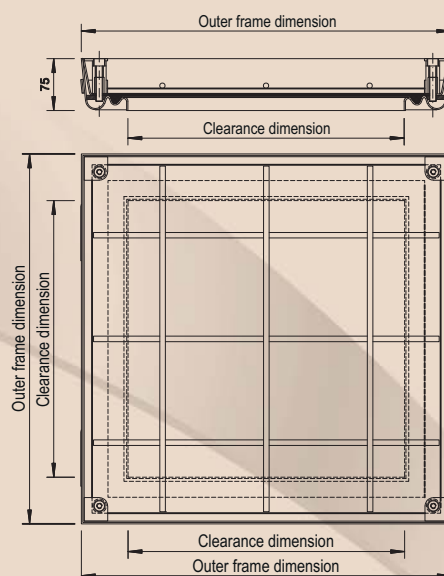


Cars

Special advantages of our system

- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 50 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

PRO+Maxi System Manhole Cover

Hot-dip galvanised steel

ProfessionalLine+



Hot-dip galvanised steel

Product description:

The PRO+Maxi System Manhole Cover is made of 2 mm hot-dip galvanised steel. The tray depth is 100 mm and the installation height is only 125 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is set in concrete flush with the



floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Load:

Up to 400 kN test force according to EN 124 (class D400)

Material:

Case and tray made of 2 mm hot-dip galvanised steel

Areas of application:

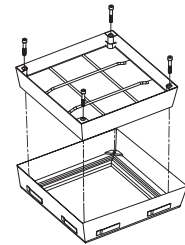
For floor-level shafts
indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.



Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+M-400400V125	550 x 550	400 x 400	18 kg	L
PRO+M-500500V125	650 x 650	500 x 500	21 kg	L
PRO+M-600600V125	750 x 750	600 x 600	24 kg	L
PRO+M-700700V125	850 x 850	700 x 700	29 kg	L
PRO+M-800800V125	950 x 950	800 x 800	35 kg	L
PRO+M10001000V125	1150 x 1150	1000 x 1000	45 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Special designs: Special sizes in any desired size can be produced on request.

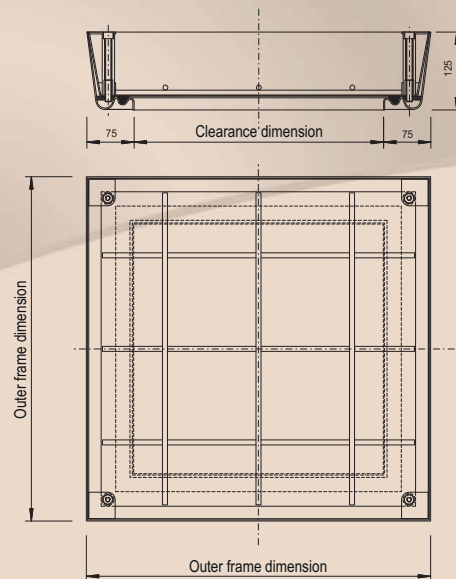
suitable for:



Special advantages of our system

- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 100 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Application video
See the EasyLifter



Watch installation
video

PRO+Maxi System Manhole Cover

Stainless Steel

ProfessionalLine+

Product description:

The PRO+Maxi System Manhole Cover is made of 2 mm stainless steel. The tray depth is 100 mm and the installation height is only 125 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.



Stainless Steel

Load:

Up to 400 kN test force according to EN 124 (class D400)

Material:

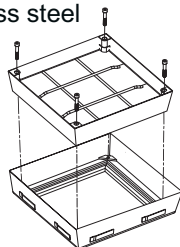
Case and tray made of 2 mm stainless steel

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.



Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

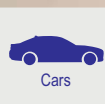
Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+M-400400E125	550 x 550	400 x 400	15 kg	L
PRO+M-500500E125	650 x 650	500 x 500	16 kg	L
PRO+M-600600E125	750 x 750	600 x 600	23 kg	L
PRO+M-700700E125	850 x 850	700 x 700	27 kg	L
PRO+M-800800E125	950 x 950	800 x 800	32 kg	L
PRO+M10001000E125	1150 x 1150	1000 x 1000	41 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Special designs: Special sizes in any desired size can be produced on request.

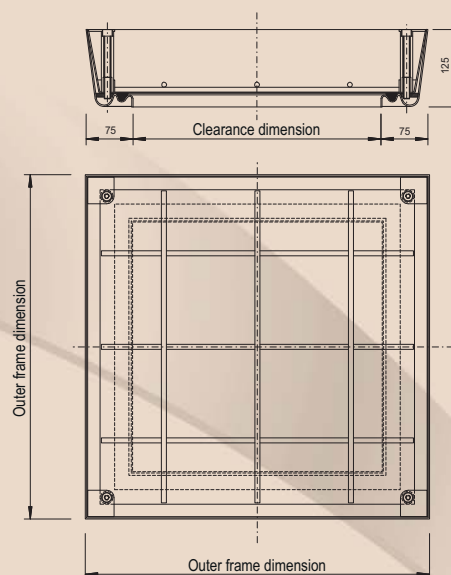
suitable for:



Special advantages of our system

- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 100 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

2500 Series Manhole Cover

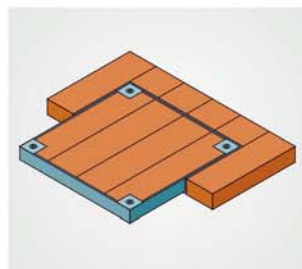
Stainless Steel

PremiumLine



Product description:

The 2500 Series Manhole Cover is made of 2.5 mm stainless steel. The insertion height is 20 mm and the installation height is only 25 mm. The case is fixed flush with the floor. The frame can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with wood and hard floor coverings or other materials is possible.



Load:

Up to 15 kN test force according to EN 124 (class A15)

Material:

Outer and inner frame made of 2.5 mm stainless steel profile

Areas of application:

For floor-level shafts indoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions.

In-house production: The 2500 Series Manhole Cover is manufactured exactly according to your specifications and wishes. We use the latest generation of CAD-controlled machines in our in-house production. These ensure that you receive an absolutely top-quality product.

With over 30 years of experience and the necessary know-how in the manufacture of inspection systems, we can guarantee that you will receive manhole covers of the highest quality.

suitable for:

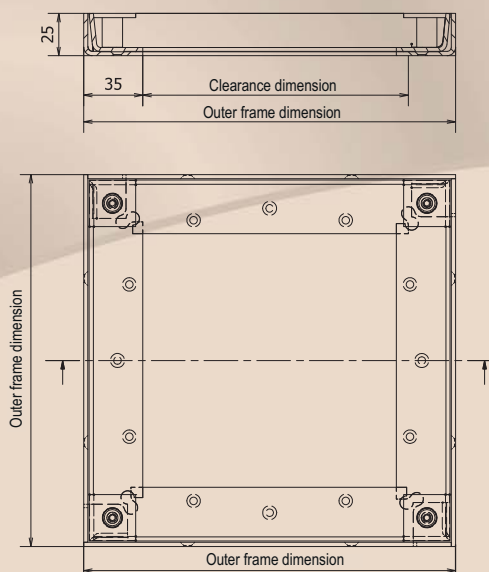


Pedestrian traffic

Special advantages of our system

- Almost invisible when installed
- The insertion height is 20 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



View comfort
key application
video



Comfort key

For convenient removal of the lid, we recommend our comfort key

◀ Application example

2500 Series

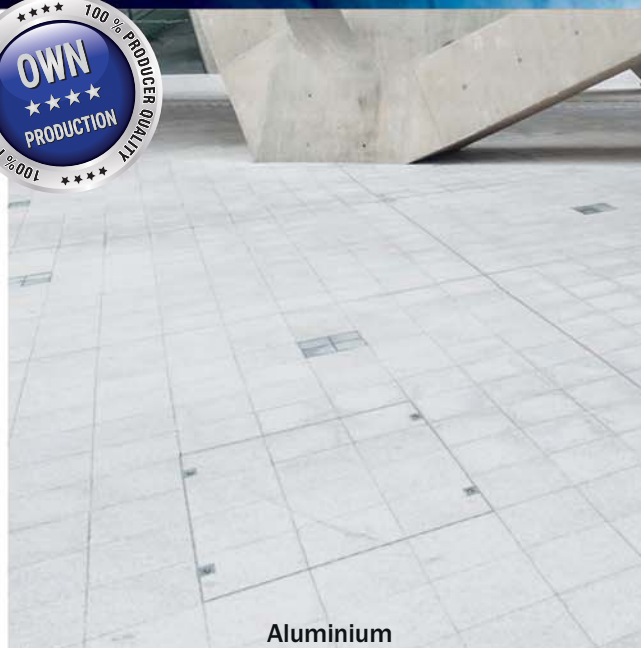
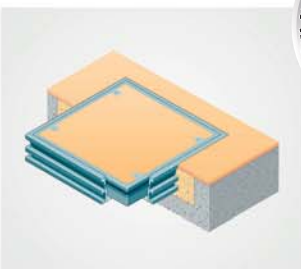
5000 Series Manhole Cover

Aluminium

PremiumLine

Product description:

The 5000 Series Manhole Cover is made of a special aluminium profile. The tray depth is 37 mm and the installation height is only 50 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.



Aluminium

Load:

Up to 15 kN test force according to EN 124 (class A15)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

	Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
Height 50 mm	PRE-300300AL50	412 x 412	300 x 300	6 kg	L
	PRE-400400AL50	512 x 512	400 x 400	8 kg	L
	PRE-500500AL50	612 x 612	500 x 500	11 kg	L
	PRE-600600AL50	712 x 712	600 x 600	13 kg	L
	PRE-700700AL50	812 x 812	700 x 700	16 kg	B
	PRE-800800AL50	912 x 912	800 x 800	18 kg	B

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Special designs: Special sizes in any desired size can be produced on request.

suitable for:

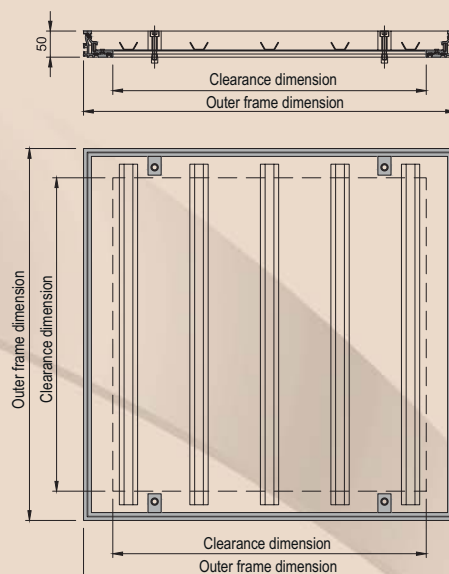


Pedestrian traffic

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 37 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



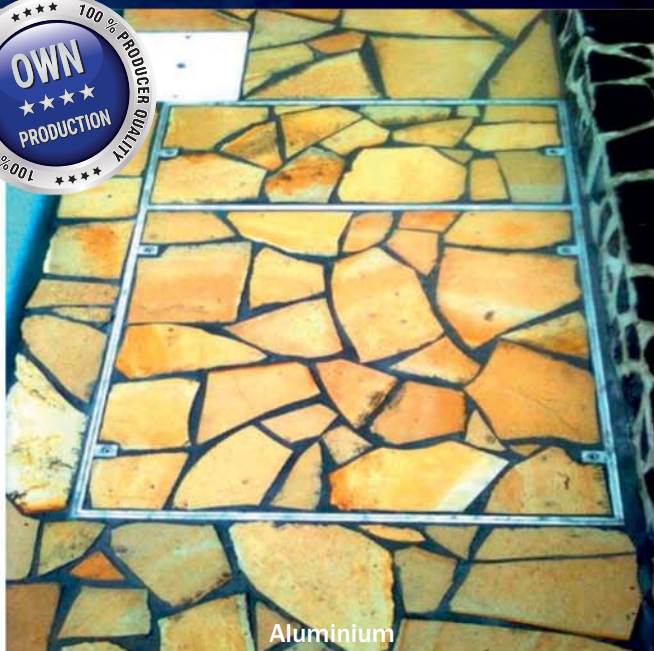
EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

5000 Series Multi-Part Manhole Cover

Aluminium

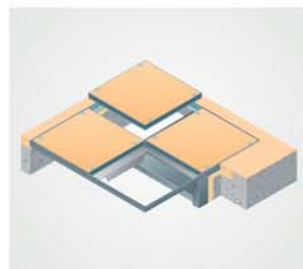
PremiumLine



Aluminium

Product description:

The 5000 Series Multi-Part Manhole Cover is made of a special aluminium profile. The tray depth is 37 mm and the installation height is only 50 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is set in concrete flush



with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Load:

Up to 15 kN test force according to EN 124 (class A15)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

In-house production: The 5000 Series Multi-Part Manhole Cover is manufactured exactly according to your specifications and wishes. We use the latest generation of CAD-controlled machines in our in-house production. These ensure that you receive an absolutely top-quality product.

With over 30 years of experience and the necessary know-how in the manufacture of inspection systems, we can guarantee that you will receive manhole covers of the highest quality.

suitable for:

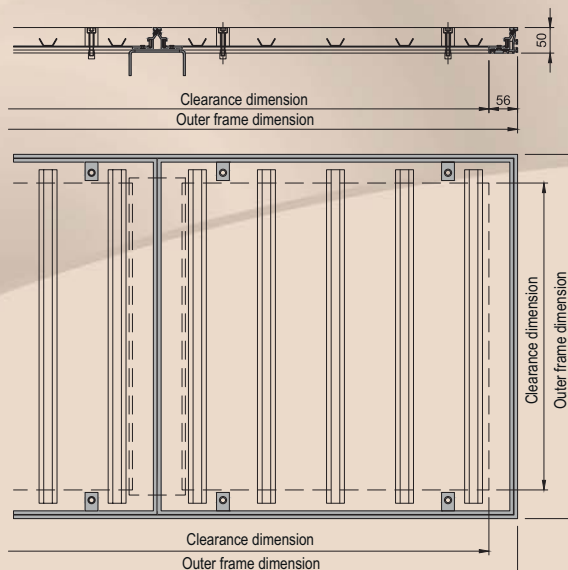


Pedestrian traffic

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 37 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

5000 Series

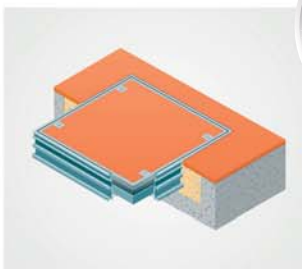
7500 Series Manhole Cover

Aluminium

PremiumLine

Product description:

The 7500 Series Manhole Cover is made of a special aluminium profile. The tray depth is 62 mm and the installation height is only 75 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is set in concrete flush



with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.



Aluminium

	Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
Height 75 mm	PRE-300300AL75	412 x 412	300 x 300	7 kg	L
	PRE-400400AL75	512 x 512	400 x 400	11 kg	L
	PRE-500500AL75	612 x 612	500 x 500	13 kg	L
	PRE-600600AL75	712 x 712	600 x 600	17 kg	L
	PRE-700700AL75	812 x 812	700 x 700	21 kg	L
	PRE-800800AL75	912 x 912	800 x 800	26 kg	L
	PRE-10001000AL75	1112 x 1112	1000 x 1000	36 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

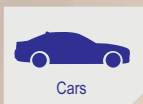
B = production to order

Special designs: Special sizes in any desired size can be produced on request.

suitable for:



Pedestrian traffic

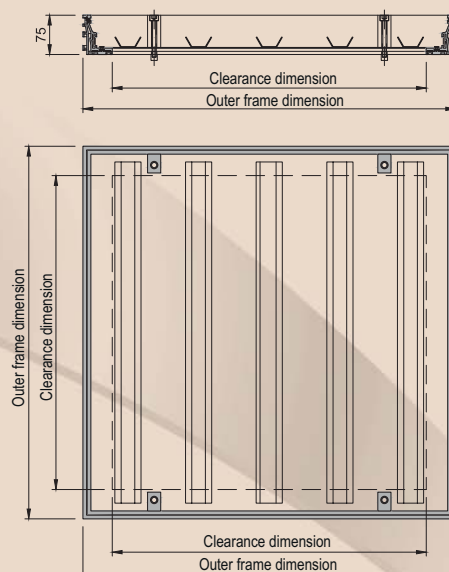


Cars

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 62 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



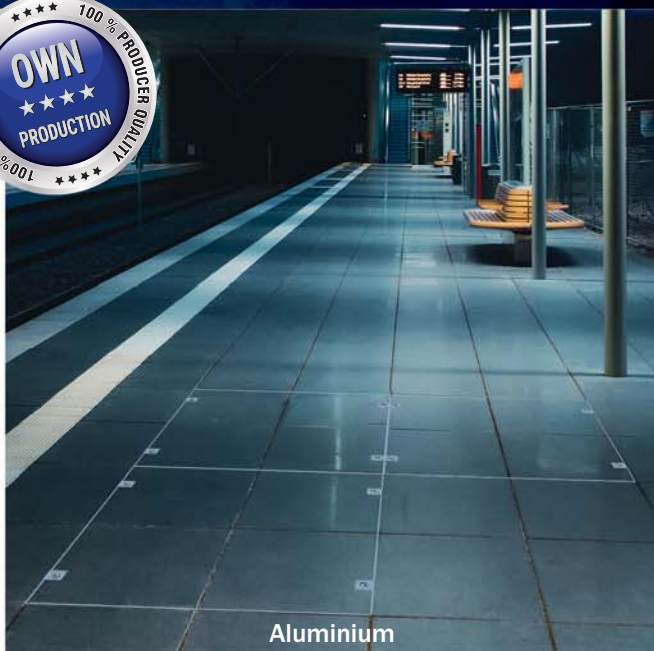
EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

7500 Series Multi-Part Manhole Cover

Aluminium

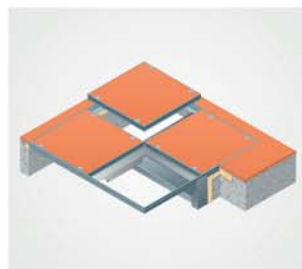
PremiumLine



Aluminium

Product description:

The 7500 Series Multi-Part Manhole Cover is made of a special aluminium profile. The tray depth is 62 mm and the installation height is only 75 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is set in concrete



flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

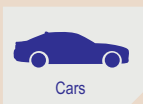
In-house production: The 7500 Series Multi-Part Manhole Cover is manufactured exactly according to your specifications and wishes. We use the latest generation of CAD-controlled machines in our in-house production. These ensure that you receive an absolutely top-quality product.

With over 30 years of experience and the necessary know-how in the manufacture of inspection systems, we can guarantee that you will receive manhole covers of the highest quality.

suitable for:



Pedestrian traffic

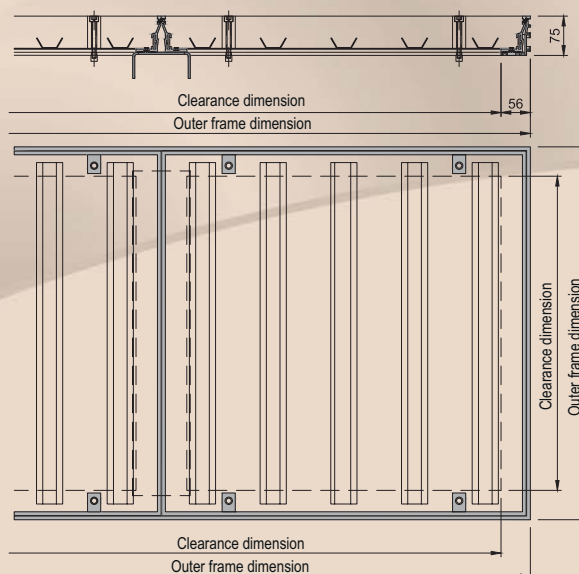


Cars

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 62 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

7500 Series

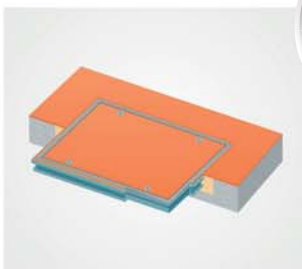
Visedge Series Manhole Covers

Aluminium

PremiumLine

Product description:

The Visedge Series Manhole Cover is made of a special aluminium profile. The tray depth is 5 mm and the installation height is only 50 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with vinyl, linoleum, rubber, all resilient floor coverings, some carpet floor coverings or other materials is possible.



Load:

Up to 15 kN test force according to EN 124 (class A15)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.



Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

In-house production: The Visedge Manhole Cover is manufactured exactly according to your specifications and wishes. We use the latest generation of CAD-controlled machines in our in-house production. These ensure that you receive an absolutely top-quality product.

With over 30 years of experience and the necessary know-how in the manufacture of inspection systems, we can guarantee that you will receive manhole covers of the highest quality.

suitable for:

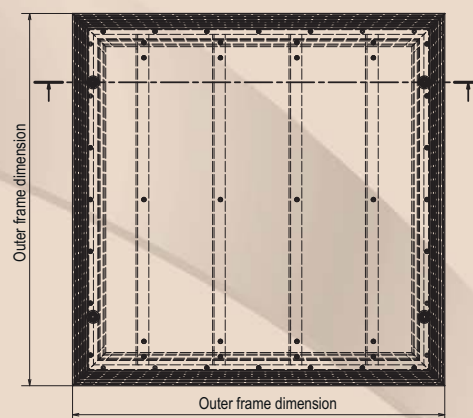
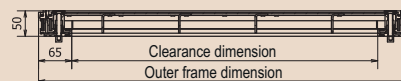


Pedestrian traffic

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 5 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

Visedge Series Multi-Part Manhole Cover

Aluminium

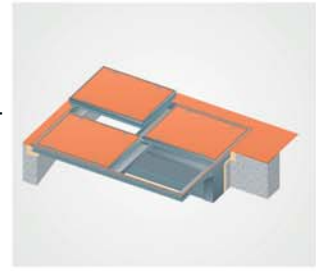
PremiumLine



Aluminium

Product description:

The Visedge Series Manhole Cover is made of a special aluminium profile. The tray depth is 5 mm and the installation height is only 50 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with vinyl, linoleum, rubber, all resilient floor coverings, some carpet floor coverings or other materials is possible.



Load:

Up to 15 kN test force according to EN 124 (class A15)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

In-house production: The Visedge Multi-Part Manhole Cover is manufactured exactly according to your specifications and wishes. We use the latest generation of CAD-controlled machines in our in-house production. These ensure that you receive an absolutely top-quality product.

With over 30 years of experience and the necessary know-how in the manufacture of inspection systems, we can guarantee that you will receive manhole covers of the highest quality.

suitable for:

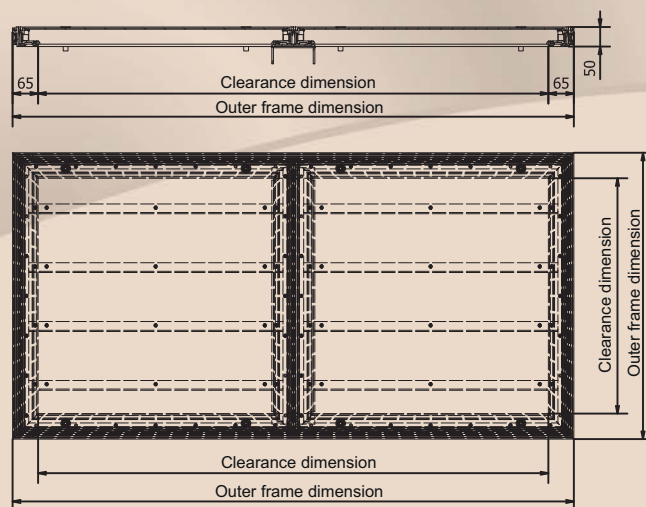


Pedestrian traffic

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 5 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

Visedge Series

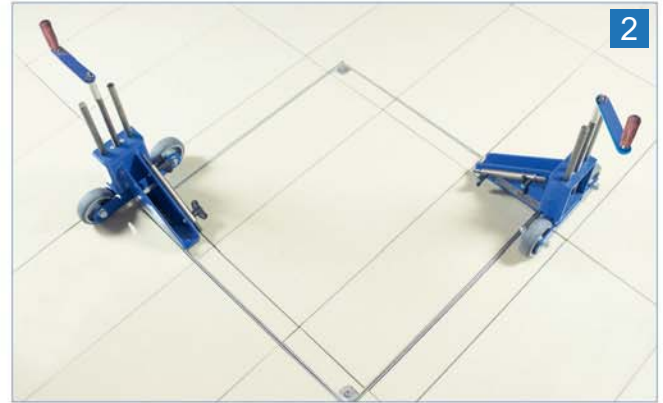
Product description:

- We recommend the EasyLifter for fillable manhole covers from a weight of 50 kg.
- Our EasyLifters are designed for a load of up to 300 kg/EasyLifter. This enables effortless opening and moving of manhole covers of up to 600 kg.
- The lifting height of the EasyLifter is 180 mm.
- Our EasyLifters are delivered including the FF universal bolts with either M10 or M12 thread.
- To protect the end covering of the manhole cover, there is a plastic coating on the underside of the lifting device.
- The wheels are equipped with thermoplastic rubber coating and protect the covering of your floor.
- A trapezoidal threaded spindle enables the manhole cover to be opened quickly and easily.

EasyLifter for the easy lifting of your manhole cover

Use:

1. Loosen all four screws at the corner points of the manhole cover and take them out
2. Place both EasyLifters diagonally opposite each other in position (picture 2).
3. On both EasyLifters, remove the FF universal bolt from the bracket and screw it hand-tight through the opening of the EasyLifter into the opposite lifting points of the cover (Fig. 3).
4. Use the special crank to lift the cover of both EasyLifters to just above the ground.
5. Now slowly roll the cover to the side and the shaft access is open (picture 4+5).



Application video
See the EasyLifter



Product video
See the EasyLifter

Fire Protection/Thermo Manhole Covers

Fire Protection Manhole Covers

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Page 26

ProfessionalLine

PRO+ Fire Protection System
Galvanised/Stainless Steel



Page 27

ProfessionalLine

PRO+ Fire Protection System
Aluminium



Page 28

ProfessionalLine

PRO+ Maxi System
Galvanised/Stainless Steel
Fire Protection



Page 29

PremiumLine

5000 Series
Aluminium
Fire Protection



Page 30

PremiumLine

5000 Series
Multi-Piece
Aluminium
Fire Protection



Page 31

PremiumLine

7500 Series
Aluminium
Fire Protection



Page 32

PremiumLine

7500 Series
Multi-Piece
Aluminium
Fire Protection



Page 33

MasterLine

MA-BS System
with opening aid,
stainless steel



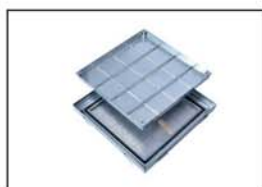
Page 34

MasterLine

MA-BSZ System
with opening aid and central
locking, stainless steel

Thermo manhole covers

35



Page 35

ProfessionalLine

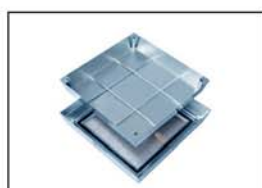
PRO+ Thermo System
Galvanised/Stainless Steel



Page 36

ProfessionalLine

PRO+ Thermo System
Aluminium



Page 37

ProfessionalLine

PRO+ Maxi Thermo System
Galvanised/Stainless Steel

FF Systems

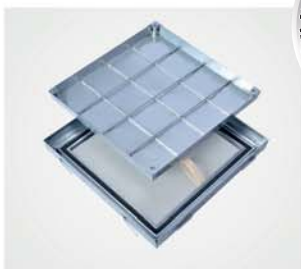
PRO+ Fire Protection System Manhole Cover

Hot-Dip Galvanised Steel / Stainless Steel

ProfessionalLine+

Product description:

The PRO+ Fire Protection System Manhole Cover is made of 2 mm hot-dip galvanised steel or stainless steel. The tray depth is 50 mm and the installation height is only 75 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is



set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Fire protection:

Our test certificate certifies that our PRO+ Fire Protection Manhole Cover can withstand a fire for 120 minutes and thus makes a significant contribution to fire safety.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2 mm hot-dip galvanised steel or stainless steel

Areas of application:

For flush-floor shafts indoors or outdoors for which fire protection is required.

Opening:

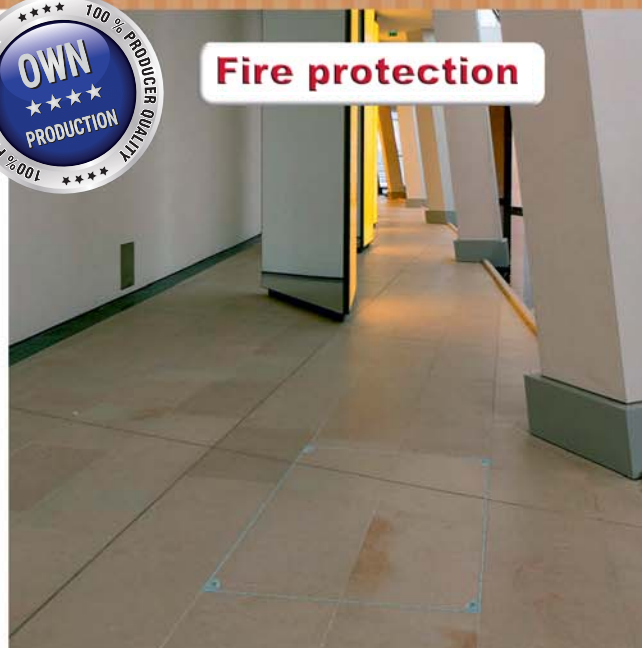
Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.



Fire protection

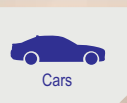


Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
Hot-dip galvanised steel				
PRO+BS-300300V75	435 x 435	300 x 300	10 kg	L
PRO+BS-400400V75	535 x 535	400 x 400	13 kg	L
PRO+BS-500500V75	635 x 635	500 x 500	17 kg	L
PRO+BS-600600V75	735 x 735	600 x 600	21 kg	L
PRO+BS-700700V75	835 x 835	700 x 700	26 kg	L
PRO+BS-800800V75	935 x 935	800 x 800	30 kg	L
PRO+BS-10001000V75	1000 x 1000	1000 x 1000	42 kg	L
Stainless Steel				
PRO+BS-300300E75	435 x 435	300 x 300	9 kg	L
PRO+BS-400400E75	535 x 535	400 x 400	11 kg	L
PRO+BS-500500E75	635 x 635	500 x 500	15 kg	L
PRO+BS-600600E75	735 x 735	600 x 600	18 kg	L
PRO+BS-700700E75	835 x 835	700 x 700	24 kg	L
PRO+BS-800800E75	935 x 935	800 x 800	29 kg	L
PRO+BS-10001000E75	1135 x 1135	1000 x 1000	35 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

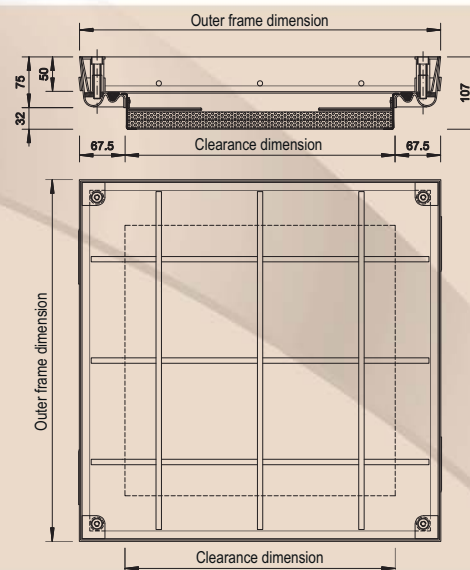
suitable for:



Special advantages of our system

- With a 25 mm thick fire protection panel in the shaft opening
- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- The tray depth is 50 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes


Application video
See the EasyLifter


EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

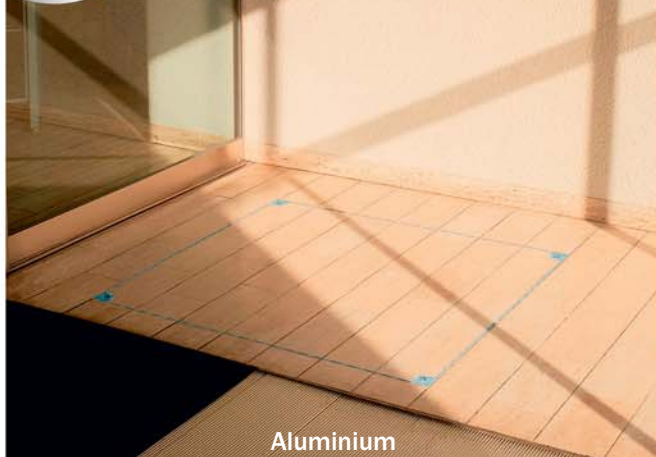

Watch installation
video

PRO+ Fire Protection System Manhole Cover Aluminium

ProfessionalLine+



Fire protection



Aluminium

Product description:

The PRO+ Fire Protection System Manhole Cover is made of 2.5 mm aluminium. The tray depth is 65 mm and the installation height is only 75 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is set in concrete flush with floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.



Fire protection:

Our test certificate certifies that our PRO+ Fire Protection Manhole Cover can withstand a fire for 120 minutes and thus makes a significant contribution to fire safety.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2.5 mm aluminium

Areas of application:

For flush-floor shafts indoors or outdoors for which fire protection is required.

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Special designs:

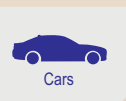
Special sizes in any desired size can be produced on request.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+BS-300300AL75	420 x 420	300 x 300	5 kg	L
PRO+BS-400400AL75	520 x 520	400 x 400	6 kg	L
PRO+BS-500500AL75	620 x 620	500 x 500	7 kg	L
PRO+BS-600600AL75	720 x 720	600 x 600	8 kg	L
PRO+BS-700700AL75	820 x 820	700 x 700	9 kg	L
PRO+BS-800800AL75	920 x 920	800 x 800	11 kg	L
PRO+BS-10001000AL75	1120 x 1120	1000 x 1000	15 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

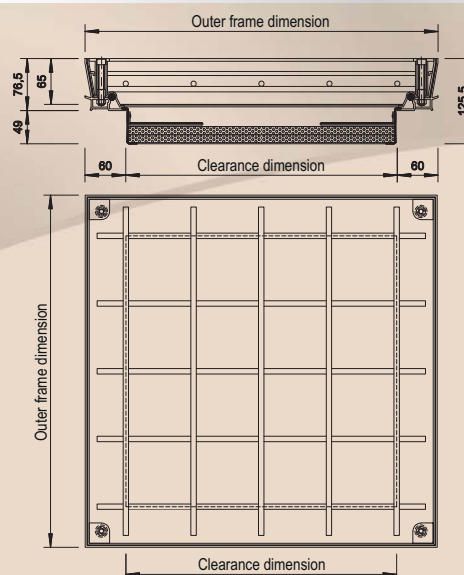
suitable for:



Special advantages of our system

- With a 25 mm thick fire protection panel in the shaft opening
- With frost- and weather-resistant special seal
- Almost invisible when installed
- The tray depth is 65 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

PRO+ System



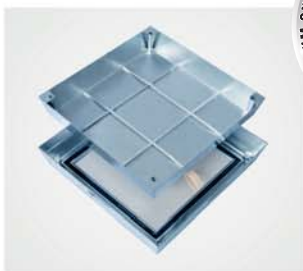
PRO+Maxi Fire Protection System Manhole Cover

Hot-Dip Galvanised Steel / Stainless Steel

ProfessionalLine+

Product description:

The PRO+Maxi Fire Protection System Manhole Cover is made of 2 mm hot-dip galvanised steel or stainless steel. The tray depth is 100 mm and the installation height is only 125 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour-



and waterproof. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Fire protection:

Our test certificate certifies that our PRO+Maxi Fire Protection Manhole Cover can withstand a fire for 120 minutes and thus makes a significant contribution to fire safety.

Load:

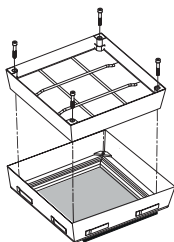
Up to 400 kN test force according to EN 124 (class D400)

Material:

Case and tray made of 2 mm hot-dip galvanised steel or stainless steel

Areas of application:

For flush-shafts indoors or outdoors for which fire protection is required.



Opening:

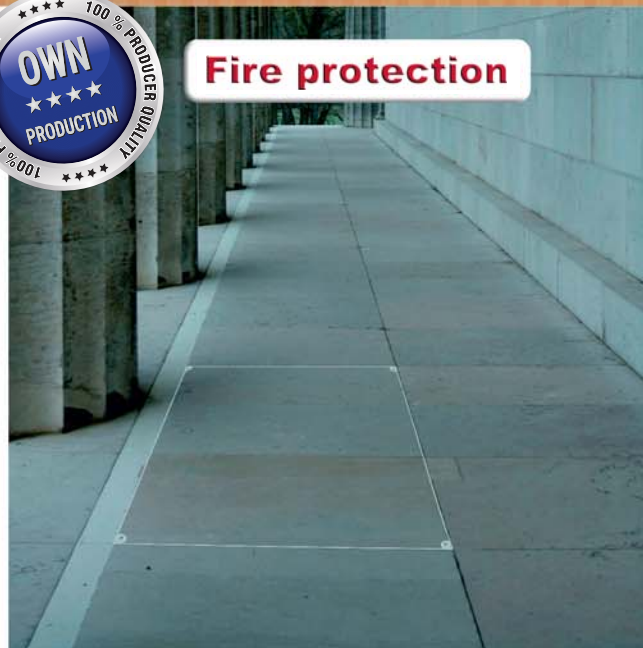
Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.



Fire protection



Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
Hot-dip galvanised steel				
PRO+MBS-400400V125	550 x 550	400 x 400	18 kg	L
PRO+MBS-500500V125	650 x 650	500 x 500	21 kg	L
PRO+MBS-600600V125	750 x 750	600 x 600	24 kg	L
PRO+MBS-700700V125	850 x 850	700 x 700	29 kg	L
PRO+MBS-800800V125	950 x 950	800 x 800	35 kg	L
PRO+MBS-10001000V125	1150 x 1150	1000 x 1000	45 kg	L
Stainless Steel				
PRO+MBS-400400E125	435 x 435	400 x 400	15 kg	L
PRO+MBS-500500E125	535 x 535	500 x 500	16 kg	L
PRO+MBS-600600E125	635 x 635	600 x 600	23 kg	L
PRO+MBS-700700E125	735 x 735	700 x 700	27 kg	L
PRO+MBS-800800E125	835 x 835	800 x 800	32 kg	L
PRO+MBS-10001000E125	935 x 935	1000 x 1000	41 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)
B = production to order

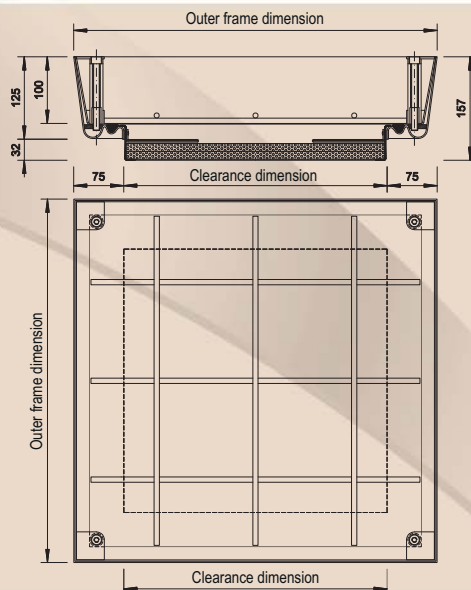
suitable for:



Special advantages of our system

- With a 25 m thick fire protection panel in the shaft opening
- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- The tray depth is 100 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Application video
See the EasyLifter



Watch installation
video

5000 Series Manhole Cover

Fire protection Aluminium

PremiumLine



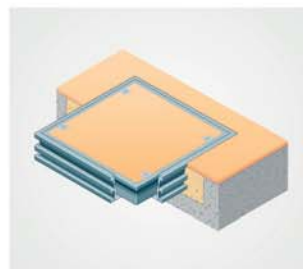
Fire protection



Aluminium

Product description:

The 5000 Series Fire Protection Manhole Cover is made of a special aluminium profile. The tray depth is 37 mm and the installation height is only 50 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is set in concrete flush



with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Fire protection:

Our test certificate certifies that our 5000 Series Fire Protection Manhole Cover can withstand a fire for 120 minutes and thus makes a significant contribution to fire safety.

Load:

Up to 15 kN test force according to EN 124 (class A15)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Special designs:

Special sizes in any desired size can be produced on request.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRE-BS-300300AL50	412 x 412	300 x 300	8 kg	L
PRE-BS-400400AL50	512 x 512	400 x 400	12 kg	L
PRE-BS-500500AL50	612 x 612	500 x 500	16 kg	L
PRE-BS-600600AL50	712 x 712	600 x 600	21 kg	L
PRE-BS-700700AL50	812 x 812	700 x 700	26 kg	B
PRE-BS-800800AL50	912 x 912	800 x 800	31 kg	B

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

suitable for:

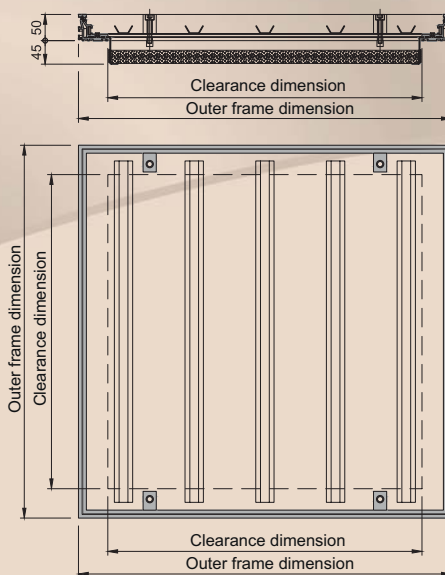


Pedestrian traffic

Special advantages of our system

- With a 25 mm thick fire protection panel in the shaft opening
- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 37 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Application video
See the EasyLifter



5000 Series

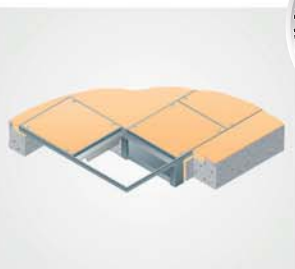


5000 Series Fire Protection Multi-Part Manhole Cover Aluminium

PremiumLine

Product description:

The 5000 Series Fire Protection Multi-Part Manhole Cover is made of a special aluminium profile. The tray depth is 37 mm and the installation height is only 50 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is



set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Fire protection: Our test certificate certifies that our 5000 Series Fire Protection Multi-Part Manhole Cover can withstand a fire for 120 minutes and thus makes a significant contribution to fire safety.

Load:

Up to 125 kN test force according to EN 124 (class A15)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

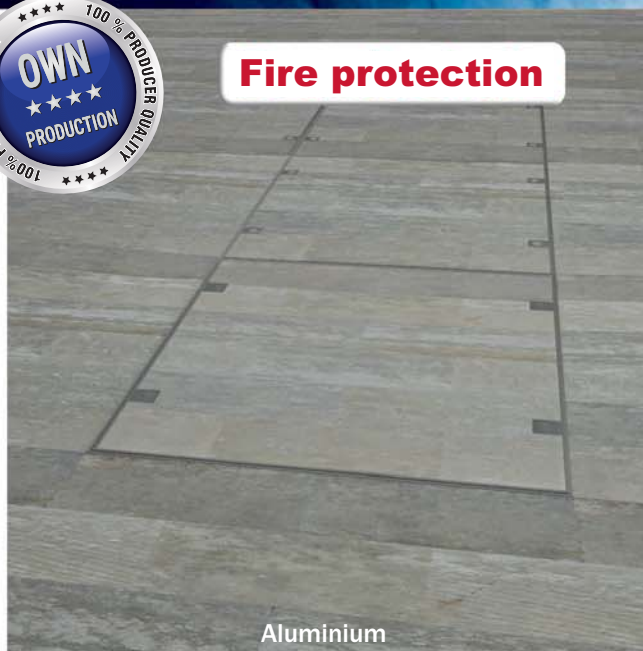
Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.



Fire protection



Aluminium

In-house production:

The 5000 Series Fire Protection Multi-Part Manhole Cover is manufactured exactly according to your specifications and wishes. We use the latest generation of CAD-controlled machines in our in-house production. These ensure that you receive an absolutely top-quality product.

With over 30 years of experience and the necessary know-how in the manufacture of inspection systems, we can guarantee that you will receive manhole covers of the highest quality.

suitable for:

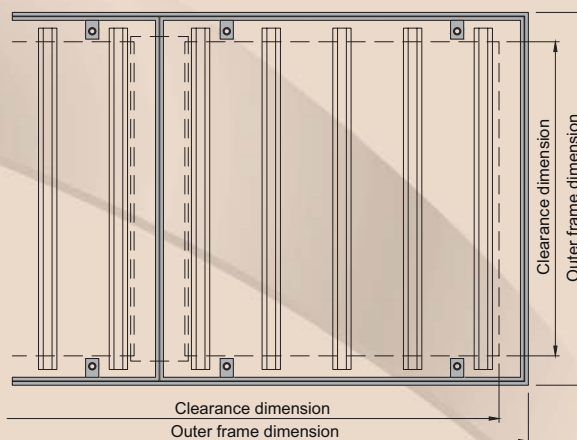
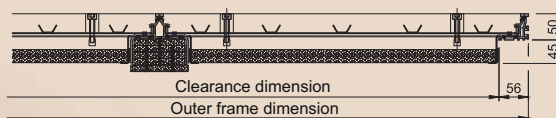


Pedestrian traffic

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 37 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

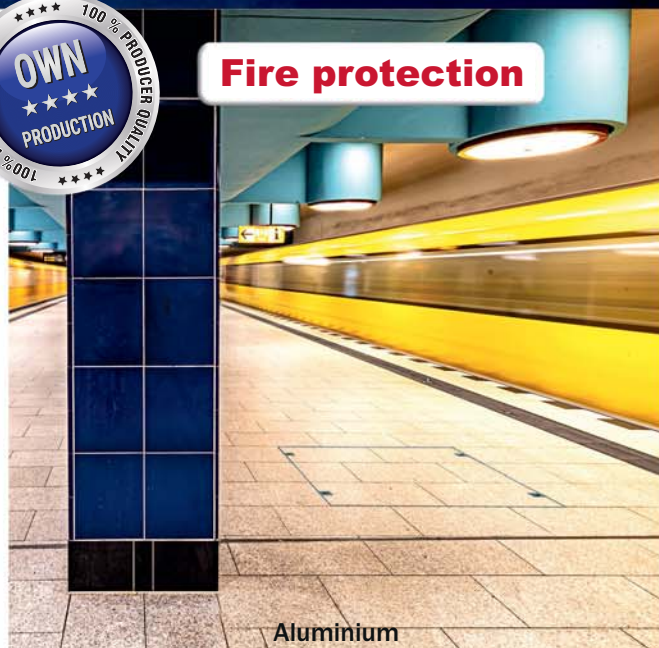
For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

Series7500 Fire Protection Manhole Cover Aluminium

PremiumLine



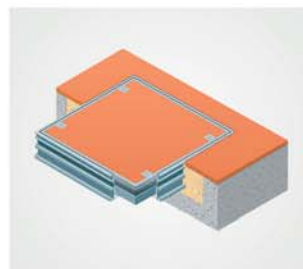
Fire protection



Aluminium

Product description:

The 7500 Series Fire Protection Manhole Cover is made of a special aluminium profile. The tray depth is 62 mm and the installation height is only 75 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is set in concrete flush



with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Fire protection:

Our test certificate certifies that our 7500 Series Fire Protection Manhole Cover can withstand a fire for 120 minutes and thus makes a significant contribution to fire safety.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For flush-floor shafts indoors or outdoors for which fire protection is required.

Opening: Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Special designs:

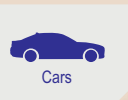
Special sizes in any desired size can be produced on request.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRE-BS-300300AL75	412 x 412	300 x 300	9 kg	L
PRE-BS-400400AL75	512 x 512	400 x 400	15 kg	L
PRE-BS-500500AL75	612 x 612	500 x 500	18 kg	L
PRE-BS-600600AL75	712 x 712	600 x 600	25 kg	L
PRE-BS-700700AL75	812 x 812	700 x 700	31 kg	L
PRE-BS-800800AL75	912 x 912	800 x 800	39 kg	L
PRE-BS-10001000AL75	1112 x 1112	1000 x 1000	52 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

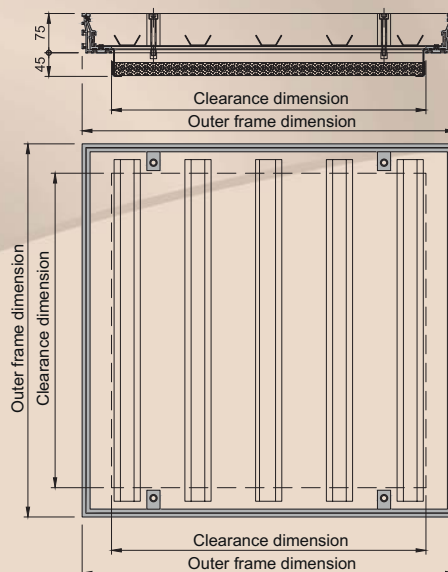
suitable for:



Special advantages of our system

- With a 25 mm thick fire protection panel in the shaft opening
- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 62 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Application video
See the EasyLifter



7500 Series

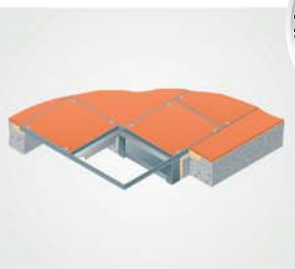


7500 Series Fire Protection Multi-Part Manhole Cover Aluminium

PremiumLine

Product description:

The 7500 Series Fire Protection Multi-Part Manhole Cover is made of a special aluminium profile. The tray depth is 62 mm and the installation height is only 75 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is



set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at 4 points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Fire protection:

Our test certificate certifies that our 7500 Series Fire Protection Multi-Part Manhole Cover can withstand a fire for 120 minutes and thus makes a significant contribution to fire safety.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of a special aluminium profile

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

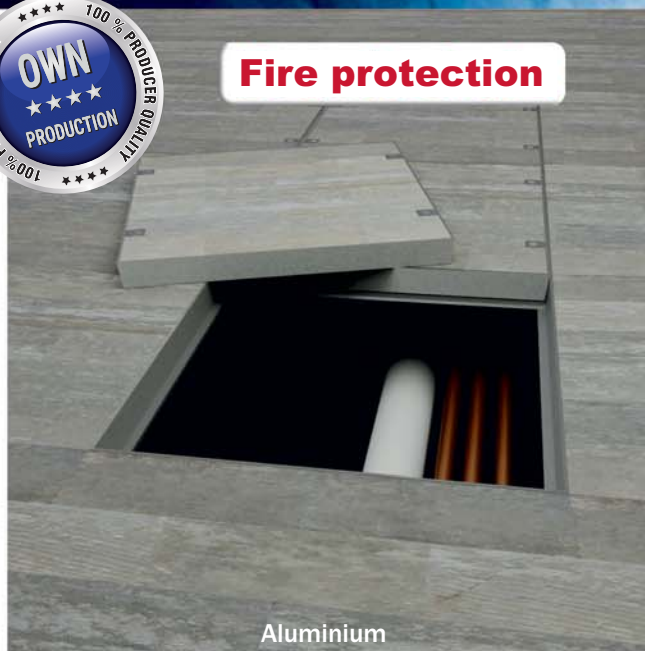
Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.



Fire protection



Aluminium

In-house production:

The 7500 Series Fire Protection Multi-Part Manhole Cover is manufactured exactly according to your specifications and wishes. We use the latest generation of CAD-controlled machines in our in-house production. These ensure that you receive an absolutely top-quality product.

With over 30 years of experience and the necessary know-how in the manufacture of inspection systems, we can guarantee that you will receive manhole covers of the highest quality.

suitable for:



Pedestrian traffic

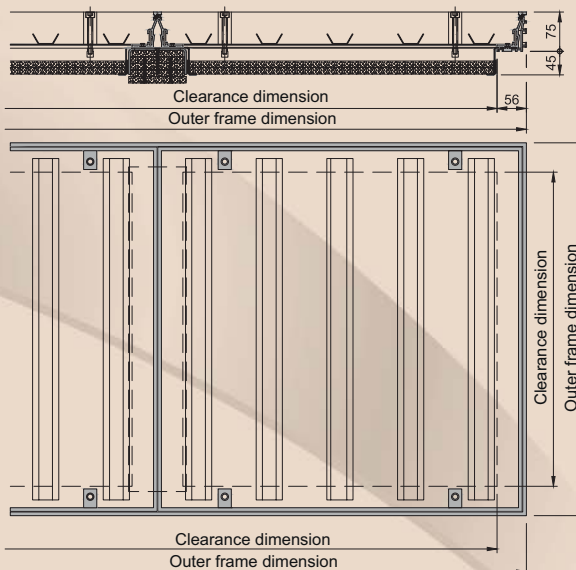


Cars

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 62 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.

MA-BS System Fire Protection Manhole Covers

Stainless steel with opening aid

MasterLine



Fire protection



Application option:

For shafts that are to be opened frequently and without special effort. Especially for inspection and access shafts, e.g. for swimming pool shafts, as the opening and closing of the shaft can be carried out without significant effort for regular maintenance.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
MA-BS-600600E75	701 x 725	600 x 600	28 kg	L
MA-BS-800800E75	901 x 925	800 x 800	40 kg	L
MA-BS-10001000E75	1101 x 1125	1000 x 1000	54 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

suitable for:



Pedestrian traffic



Cars

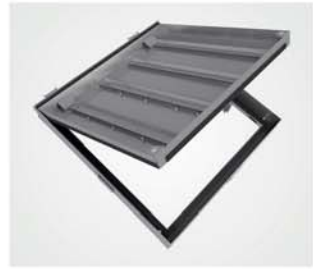
Special advantages of our system

- With frost- and weather-resistant EPDM special seal
- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 50 mm
- With additional cross struts for reinforcement
- With gas springs as opening aid

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes

Product description:

The MA-BS System Fire Protection Manhole Cover is made of 2.5 mm stainless steel. The tray depth is 50 mm and the installation height is only 78 mm. The case is fitted with a circumferential frost- and weather-resistant EPDM special seal, which is largely odour- and waterproof. The case is set in concrete flush



with the floor and the tray is then filled. The two gas springs are then installed. Opening is supported by the high-quality gas springs so that the manhole cover can be opened and closed by only one person. With fall protection device. The manhole cover can be opened from the outside. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Fire protection: Our test certificate certifies that our MA-BS Manhole Cover can withstand a fire for 90 minutes and thus makes a significant contribution to fire safety.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2.5 mm stainless steel

Areas of application: For floor-level shafts indoors or outdoors where particular value is placed on the highest quality.

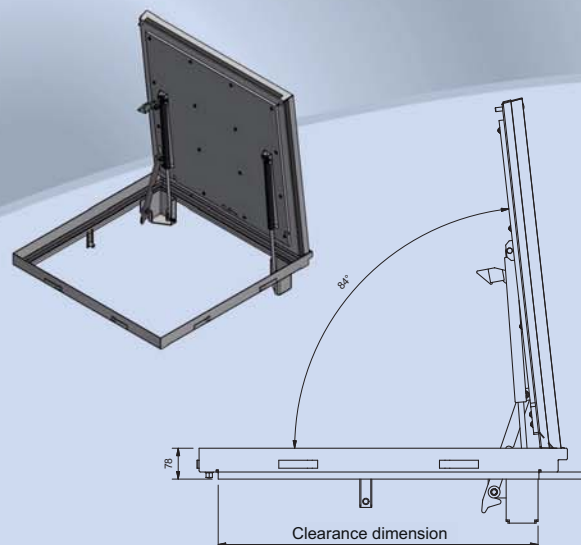
Special designs:

Special dimensions in any desired size can be manufactured on request.

Opening: Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions.



Watch installation video

MASTER System



MA-BSZ System Fire Protection Manhole Cover

Stainless steel with opening aid and central locking

MasterLine

Product description:

The MA-BSZ System Fire Protection Manhole Cover is made of 2.5 mm stainless steel. The tray depth is 50 mm and the installation height is only 78 mm. The case is fitted with a circumferential frost- and weather-resistant EPDM special seal, which is largely odour- and waterproof. The case is set in concrete flush



with the floor and the tray is then filled. The two gas springs are then installed. Opening is supported by the high-quality gas springs so that the manhole cover can be opened and closed by only one person. With fall protection device. The manhole cover can be opened from the outside and inside. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Fire protection: Our test certificate certifies that our MA-BSZ Manhole Cover can withstand a fire for 90 minutes and thus makes a significant contribution to fire safety.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2.5 mm stainless steel

Areas of application: For floor-level shafts indoors or outdoors where particular value is placed on the highest quality.

Special designs:

Special dimensions in any desired size can be manufactured on request.

Opening: Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions.



Fire protection



Application option:

For shafts that are to be opened frequently and without special effort. Especially for inspection and access shafts, e.g. for swimming pool shafts, as the opening and closing of the shaft can be carried out without significant effort for regular maintenance.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
MA-BSZ-600600E75	701 x 725	600 x 600	29 kg	L
MA-BSZ-800800E75	901 x 925	800 x 800	41 kg	L
MA-BSZ-10001000E75	1101 x 1125	1000 x 1000	55 kg	L

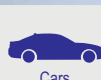
L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

suitable for:



Pedestrian traffic

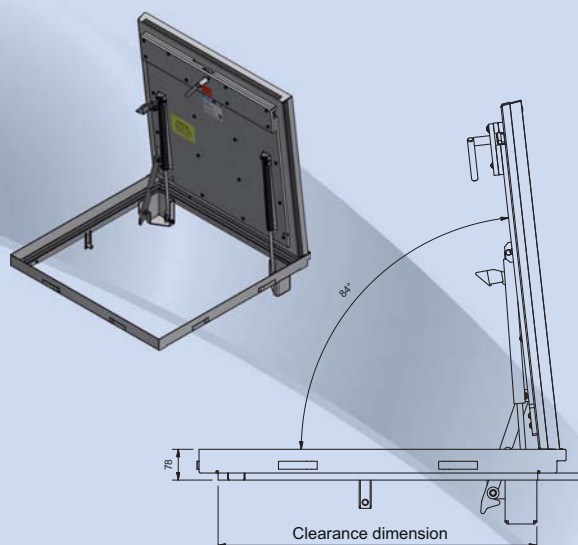


Cars

Special advantages of our system

- With frost- and weather-resistant EPDM special seal
- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 50 mm
- With additional cross struts for reinforcement
- With gas springs as opening aid
- Can be opened from outside and inside

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Watch installation video

PRO+Thermo System Manhole Cover

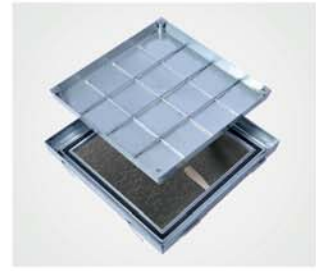
Hot-dip galvanised steel / stainless steel

ProfessionalLine+



Product description:

The PRO+Thermo System Manhole Cover is made of 2 mm hot-dip galvanised steel or stainless steel. The tray depth is 50 mm and the installation height is only 75 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is



set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible. The 'Thermo' version has an 80 mm thick thermal insulation panel made of rigid polyurethane foam with aluminium coating on both sides. This is installed in a circumferential Z-angle frame and can simply be inserted into the installation frame after installation. The PRO+Thermo system is especially suitable for shafts for which there is a specific temperature requirement.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2 mm hot-dip galvanised steel or stainless steel

Areas of application:

For floor-level shafts indoors or outdoors, where there is a specific temperature requirement especially in the shaft interior.

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

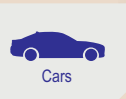
Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
Hot-dip galvanised steel				
PRO+TH-300300V75	435 x 435	300 x 300	10 kg	L
PRO+TH-400400V75	535 x 535	400 x 400	13 kg	L
PRO+TH-500500V75	635 x 635	500 x 500	17 kg	L
PRO+TH-600600V75	735 x 735	600 x 600	21 kg	L
PRO+TH-700700V75	835 x 835	700 x 700	26 kg	L
PRO+TH-800800V75	935 x 935	800 x 800	30 kg	L
PRO+TH-10001000V75	1000 x 1000	1000 x 1000	42 kg	L
Stainless Steel				
PRO+TH-300300E75	435 x 435	300 x 300	9 kg	L
PRO+TH-400400E75	535 x 535	400 x 400	11 kg	L
PRO+TH-500500E75	635 x 635	500 x 500	15 kg	L
PRO+TH-600600E75	735 x 735	600 x 600	18 kg	L
PRO+TH-700700E75	835 x 835	700 x 700	24 kg	L
PRO+TH-800800E75	935 x 935	800 x 800	29 kg	L
PRO+TH-10001000E75	1135 x 1135	1000 x 1000	35 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

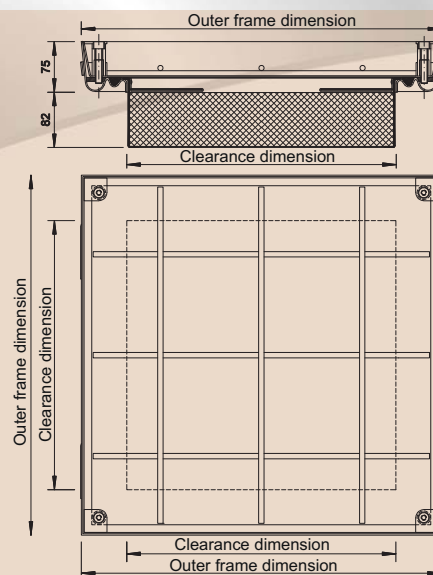
suitable for:



Special advantages of our system

- With an 80 mm thick polyurethane rigid foam panel in the shaft passageway
- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- The tray depth is 50 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

PRO+ System

PRO+Thermo System Manhole Cover

Aluminium

ProfessionalLine+

Product description:

The PRO+Thermo System Manhole Cover is made of 2.5 mm aluminium. The tray depth is 65 mm and the installation height is only 75 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The case is set in concrete flush with the



floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, ter-razzo tiles, wood and hard floor coverings or other materials is possible.

The 'Thermo' version has an 80 mm thick thermal insulation panel made of rigid polyurethane foam with aluminium coating on both sides. This is installed in a circumferential Z-angle frame and can simply be inserted into the installation frame after installation. The PRO+Thermo system is especially suitable for shafts for which there is a specific temperature requirement.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

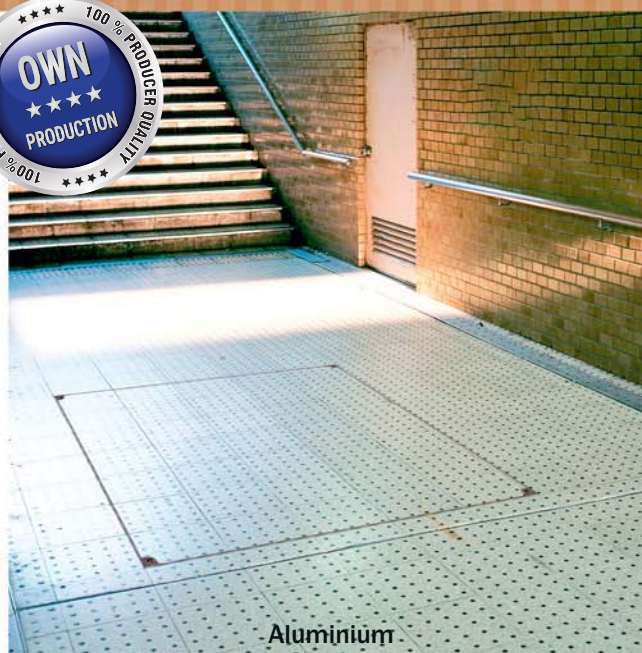
Case and tray made of 2.5 mm aluminium

Areas of application:

For floor-level shafts indoors or outdoors, where there is a specific temperature requirement especially in the shaft interior.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.



Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+TH-300300AL75	420 x 420	300 x 300	5 kg	L
PRO+TH-400400AL75	520 x 520	400 x 400	6 kg	L
PRO+TH-500500AL75	620 x 620	500 x 500	7 kg	L
PRO+TH-600600AL75	720 x 720	600 x 600	8 kg	L
PRO+TH-700700AL75	820 x 820	700 x 700	9 kg	L
PRO+TH-800800AL75	920 x 920	800 x 800	11 kg	L
PRO+TH-10001000AL75	1120 x 1120	1000 x 1000	15 kg	L

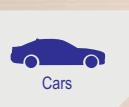
L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

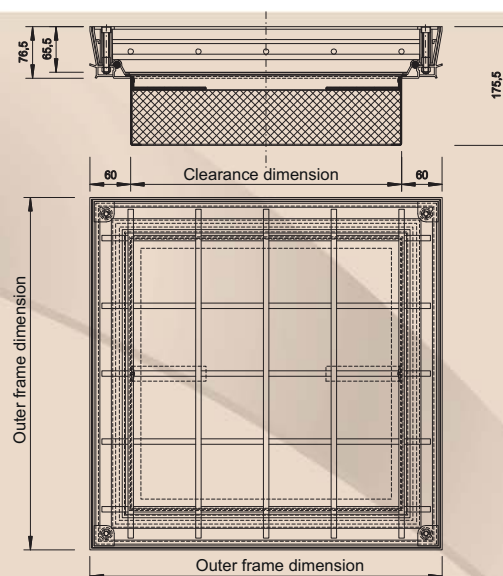
suitable for:



Special advantages of our system

- With an 80 mm thick polyurethane rigid foam panel in the shaft passageway
- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- The tray depth is 65 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes


Application video
See the EasyLifter


EasyLifter

For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.


Watch installation
video

PRO+Maxi Thermo System Manhole Cover

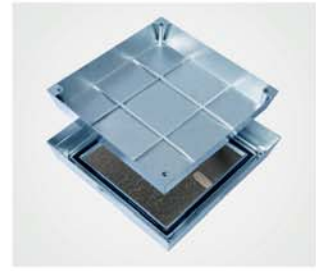
Hot-dip galvanised steel / stainless steel

ProfessionalLine+



Product description:

The PRO+Maxi Thermo System Manhole Cover is made of 2 mm hot-dip galvanised steel or stainless steel. The tray depth is 100 mm and the installation height is only 125 mm. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour-



and waterproof. The case is set in concrete flush with the floor. The tray can then be filled and inserted into the case. The cover is attached to the case at the 4 corner points. The cover can also be removed at these points with the lifting key. Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible. The 'Thermo' version has an 80 mm thick thermal insulation panel made of rigid polyurethane foam with aluminium coating on both sides. This is installed in a circumferential Z-angle frame and can simply be inserted into the installation frame after installation. The PRO+Thermo system is especially suitable for shafts for which there is a specific temperature requirement.

Load:

Up to 400 kN test force according to EN 124 (class D400)

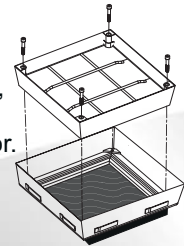
Material:

Case and tray made of 2 mm hot-dip galvanised steel or stainless steel

Areas of application:

For floor-level shafts indoors or outdoors, where there is a specific temperature requirement especially in the shaft interior.

Opening: Lifting keys and installation instructions are included with every FF manhole cover.



Installation: Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
Hot-dip galvanised steel				
PRO+MTH-400400V125	550x 5500	400 x 400	18 kg	L
PRO+MTH-500500V125	650 x 650	500 x 500	21 kg	L
PRO+MTH-600600V125	750 x 750	600 x 600	24 kg	L
PRO+MTH-700700V125	850 x 850	700 x 700	29 kg	L
PRO+MTH-800800V125	950 x 950	800 x 800	35 kg	L
PRO+MTH-10001000V125	1150 x 1150	1000 x 1000	45 kg	L
Stainless Steel				
PRO+MTH-400400E125	550 x 550	400 x 400	15 kg	L
PRO+MTH-500500E125	650 x 650	500 x 500	16 kg	L
PRO+MTH-600600E125	750 x 750	600 x 600	23 kg	L
PRO+MTH-700700E125	850 x 850	700 x 700	27 kg	L
PRO+MTH-800800E125	950 x 950	800 x 800	32 kg	L
PRO+MTH-10001000E125	1150 x 1150	1000 x 1000	41 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

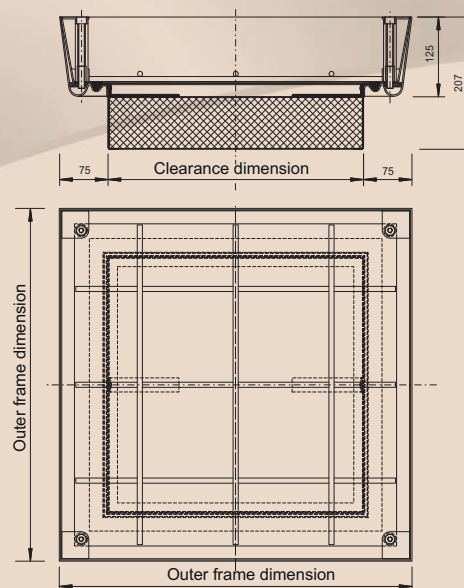
suitable for:



Special advantages of our system

- With an 80 mm thick polyurethane rigid foam panel in the shaft passageway
- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- The tray depth is 100 mm
- Easy to open due to conical design

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the EasyLifter



EasyLifter

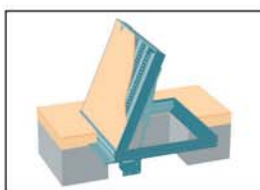
For fillable manhole covers from a weight (tray with filling) of 50 kg, we recommend our EasyLifter for effortless opening and moving of manhole covers.



Watch installation
video

PRO+ System

Manhole covers with opening support, fillable



Page 39

PremiumLine

HSE 75 Series
Aluminium
manhole cover



Page 40

MasterLine

MA-GB System
with opening aid,
stainless steel



Page 41

MasterLine

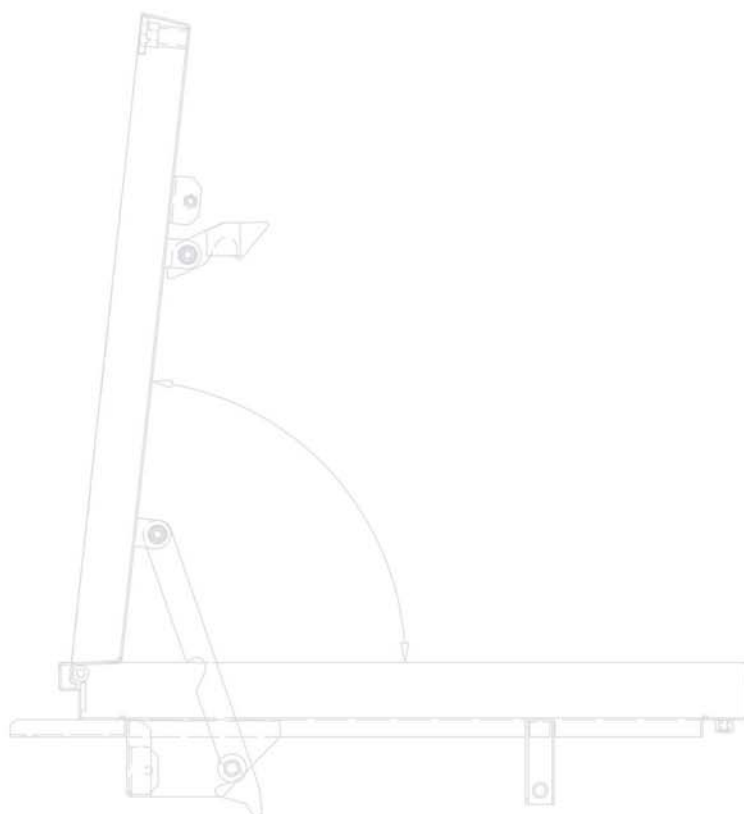
MA-GBZ System
with opening aid and central
locking, stainless steel



Page 42

MasterLine

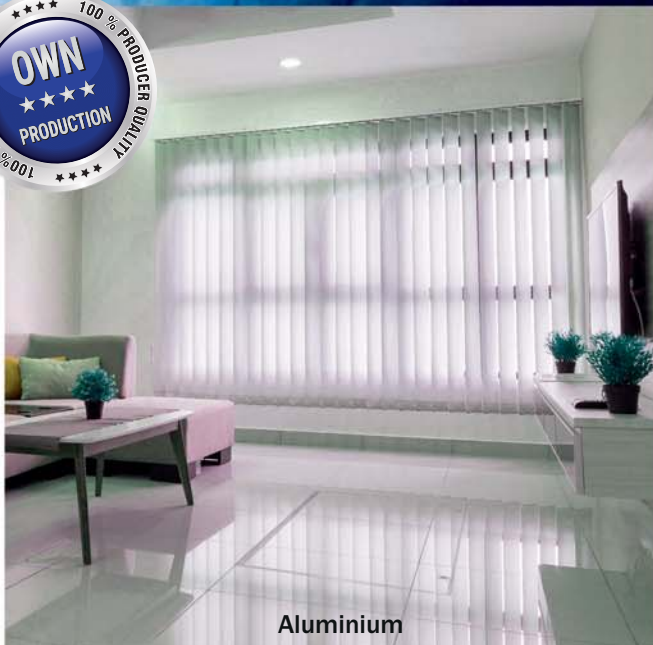
MA-WB System
with opening aid, passable,
rainproof, stainless steel



HSE 75 Series Manhole Cover

Aluminium

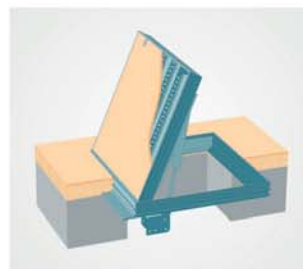
PremiumLine



Aluminium

Product description:

The HSE 75 Series Manhole Cover is made of a special aluminium profile. The tray depth is 62 mm and the installation height is only 78 mm. The manhole cover is fitted with three circumferential frost- and weather-resistant special seals, which are largely odour- and waterproof. The case is set in concrete flush with the floor and the tray is then filled. The two gas springs are then installed.



Opening is supported by the high-quality gas springs so that the manhole cover can be opened and closed by only one person. With fall protection device. The manhole cover can be opened from the outside.

Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of a special aluminium profile

Areas of application: For floor-level shafts indoors or outdoors where particular value is placed on the highest quality.

Special designs:

Special dimensions in any desired size can be manufactured on request.

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions.

Application option: For shafts that are to be opened frequently and without special effort. Especially for inspection and access shafts, e.g. for swimming pool shafts, as the opening and closing of the shaft can be carried out without significant effort for regular maintenance.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRE-600600ALHSE	712 x 725	600 x 600	23 kg	B
PRE-700700ALHSE	812 x 825	700 x 700	29 kg	B
PRE-800800ALHSE	912 x 925	800 x 800	35 kg	B
PRE-900900ALHSE	1012 x 1025	900 x 900	42 kg	B
PRE-10001000ALHSE	1112 x 1125	1000 x 1000	49 kg	B

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

suitable for:



Pedestrian traffic

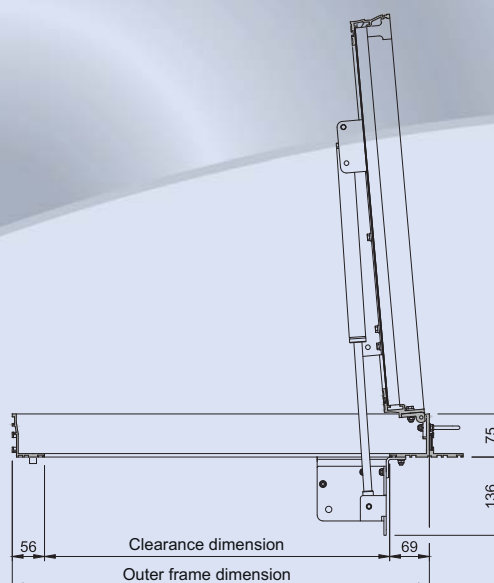


Cars

Special advantages of our system

- With 3 frost- and weather-resistant special seals
- Almost invisible when installed
- The tray depth is 62 mm
- With additional cross struts for reinforcement
- With gas springs as opening aid

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Watch installation video

HSE 75 Series

MA-GB System Manhole Cover

Stainless steel with opening aid

MasterLine

Product description:

The MA-GB System Manhole Cover is made of 2.5 mm stainless steel. The tray depth is 50 mm and the installation height is only 78 mm. The case is fitted with a circumferential frost- and weather-resistant EPDM special seal, which is largely odour- and water-proof.

The case is set in concrete flush with the floor and the tray is then filled. The two gas springs are then installed.

Opening is supported by the high-quality gas springs so that the manhole cover can be opened and closed by only one person. With fall protection device. The manhole cover can be opened from the outside.

Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2.5 mm stainless steel

Areas of application:

For floor-level shafts indoors or outdoors where particular value is placed on the highest quality.

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions.



Special designs:

Special dimensions in any desired size can be manufactured on request.

Application option: For shafts that are to be opened frequently and without special effort. Especially for inspection and access shafts, e.g. for swimming pool shafts, as the opening and closing of the shaft can be carried out without significant effort for regular maintenance.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
MA-GB-600600E75	701 x 726	600 x 600	23 kg	L
MA-GB-800800E75	901 x 926	800 x 800	32 kg	L
MA-GB-10001000E75	1101 x 1126	1000 x 1000	41 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Optional: also available with drainage!



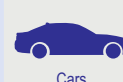
Special advantages of our system

- With frost- and weather-resistant EPDM special seal
- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 50 mm
- With additional cross struts for reinforcement
- With gas springs as opening aid

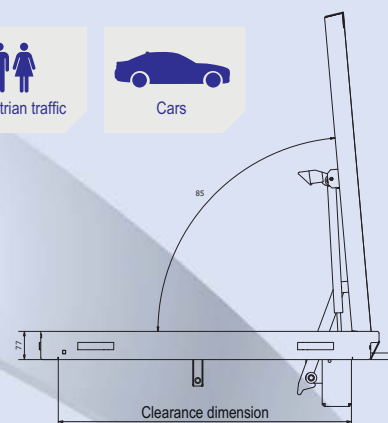
suitable for:



Pedestrian traffic



Cars



- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes

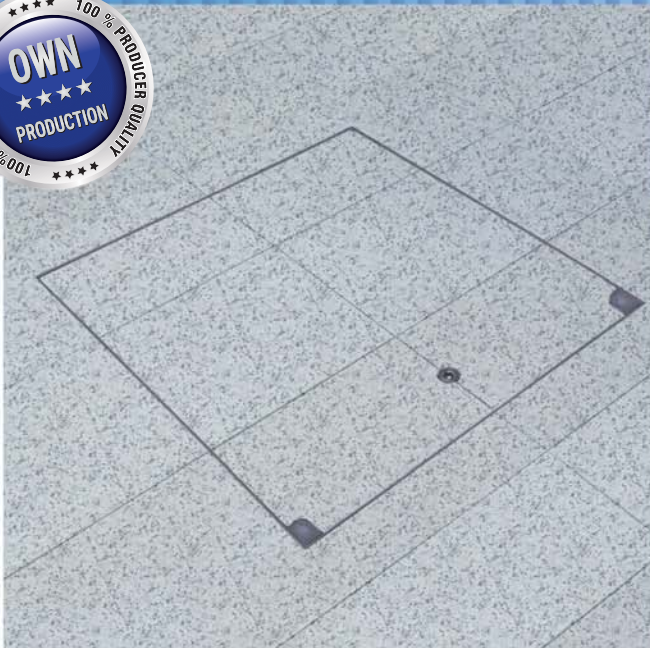


Watch installation video

MA-GBZ System Manhole Cover

Stainless steel with opening aid and central locking

MasterLine



Product description:

The MA-GBZ System Manhole Cover is made of 2.5 mm stainless steel. The tray depth is 50 mm and the installation height is only 78 mm. The case is fitted with a circumferential frost- and weather-resistant EPDM special seal, which is largely odour- and waterproof. The case is set in concrete flush



with the floor and the tray is then filled. The two gas springs are then installed. Opening is supported by the high-quality gas springs so that the manhole cover can be opened and closed by only one person. With fall protection device. The manhole cover can be opened from the outside and inside.

Filling with tiles, concrete, synthetic resin, granite, terrazzo tiles, wood and hard floor coverings or other materials is possible.

Load:

Up to 125 kN test force according to EN 124 (class B125)

Material:

Case and tray made of 2.5 mm stainless steel

Areas of application:

For floor-level shafts indoors or outdoors where particular value is placed on the highest quality.

Special designs:

Special dimensions in any desired size can be manufactured on request.

Opening: Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions.

Application option: For shafts that have to be opened quickly and without significant effort from the outside and inside. Particularly suitable for underground passages, underground shafts, company supply shafts or telephone shafts.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
MA-GBZ-600600E75	701 x 726	600 x 600	24 kg	L
MA-GBZ-800800E75	901 x 926	800 x 800	33 kg	L
MA-GBZ-10001000E75	1101 x 1126	1000 x 1000	42 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

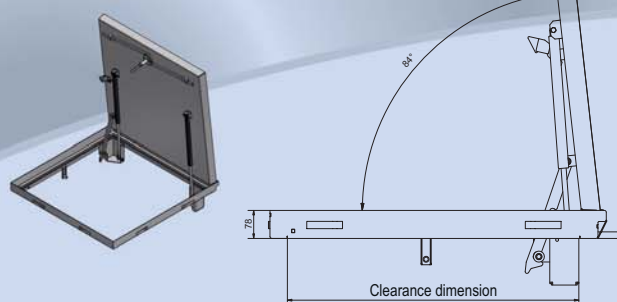
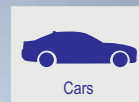
Optional: Available as MA-GBZH System with manual opening



Special advantages of our system

- With frost- and weather-resistant EPDM special seal
- With fastening anchors for a secure hold
- Almost invisible when installed
- The tray depth is 50 mm
- With additional cross struts for reinforcement
- With gas springs as opening aid
- Can be opened from outside and inside

suitable for:



- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Watch application video

MASTER System

MA-WB System Manhole Cover

Stainless steel - with opening aid, passable, rainproof

MasterLine

Product description:

The MA-WB system manhole cover is manufactured with a frame made of 5 mm stainless steel and fitted with a circumferential frost- and weather-resistant special seal that is impervious to daywater and odours. The case is set in concrete flush with the floor. The stainless steel tray is fastened with a screw-type



sash fastener incl. a brass protective cap. Opening is supported by the high-quality gas pressure springs in such a way that the manhole cover can be opened and closed by only one person. A fall protection device prevents uncontrolled closing. The installation height is 220 mm.

Load:

B125 accessible according to DIN EN 124/DIN 1229

D400 accessible according to DIN EN 124/DIN 1229

Material:

Case in 5 mm stainless steel and tray in 6 mm stainless steel

Sealing:

Sealing profile (insect-proof, weather-resistant, replaceable) fitted all round the underside of the lid

Closure:

Lid with a screw-type sash lock incl. a brass protective cap

Special designs: Special dimensions in any desired size can be manufactured on request.

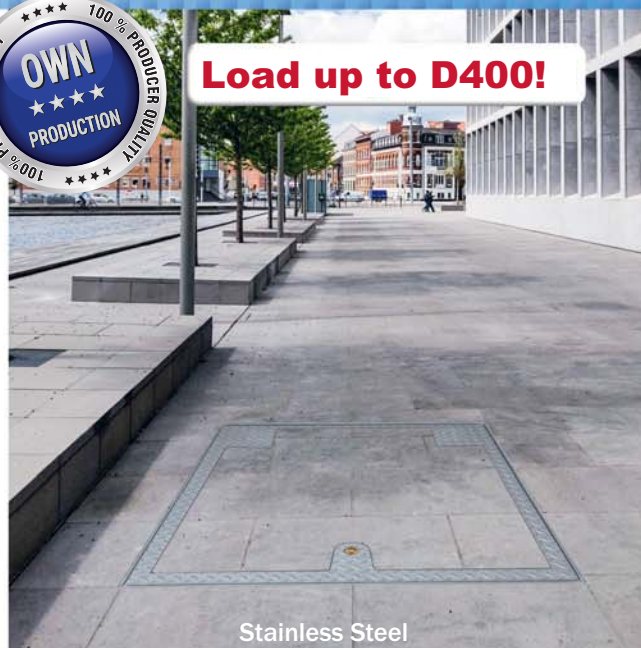
Opening: Installation must be carried out professionally according to our installation instructions.

Installation: Installation must be carried out professionally according to our installation instructions.

Note: Accessible manhole covers are only suitable for installation in operational areas with non-flowing speed-limited traffic.



Load up to D400!



Stainless Steel

Application option: For flush-to-floor shafts indoors or outdoors, where particular importance is attached to the highest quality and which are to be opened frequently and without particular effort. Especially for inspection and access shafts, as the opening and closing of the shaft can be carried out without significant effort for regular maintenance.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
MA-WB-800800E2-D	950 x 950	800 x 800	150 kg	B
MA-WB-10001000E2-D	1150 x 1150	1000 x 1000	200 kg	B

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Options:

Brass insert

for the installation of a standard profile half cylinder

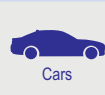
Profile cylinder

Profile half cylinder security lock (cylinder length 41.5 mm) for installation in the brass insert in accordance with LKA (State Criminal Police Office) recommendations.

suitable for:



Pedestrian traffic



Cars



Light delivery vehicles

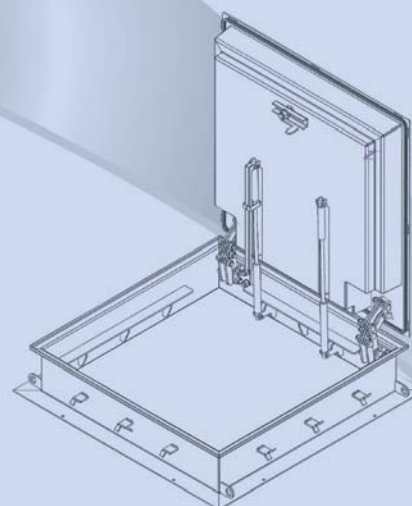


Lorries

Special advantages of our system

- With frost- and weather-resistant EPDM special seal
- With fastening anchors for a secure hold
- With additional cross struts for reinforcement
- With gas springs as opening aid
- With crane eyes for easy transport
- Completely rust-free

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes





Discover our high-quality product line

PremiumLine

the professionals for innovative construction

■ ■ ■ ■ ■ ■ **FF Systems**

Manhole covers with chequer plate / bulb plate



Page 45

PremiumLine

5 Bar Series
Aluminium manhole cover



Page 46

ProfessionalLine

PRO+TR System
Hot-dip galvanised steel



Page 47

ProfessionalLine

PRO+TR System
Stainless Steel



Page 48

Rostfrei

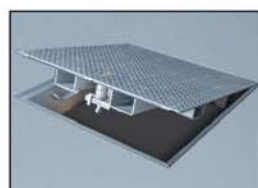
SA3-RI/TR System
Manhole cover rainproof,
walkable, square



Page 49

MasterLine

MA-GTR System
Stainless steel with
opening aid



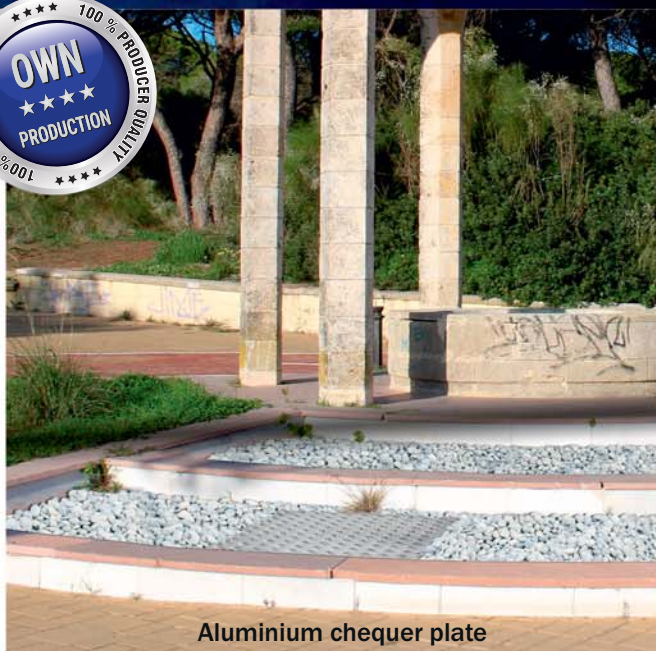
Page 50

MasterLine

MA-WT System
Stainless steel - with opening
aid, passable, rainproof

5 Bar Series Manhole Cover Aluminium

PremiumLine



Aluminium chequer plate

Product description:

The 5 Bar Series Manhole Cover is made of a special aluminium profile. The case is fitted with a circumferential frost- and weather-resistant special seal, which is largely odour- and waterproof. The walk-on cover is made of non-slip chequer plate made of aluminium. The case is set in concrete flush with the floor



and the cover is then inserted. The cover is attached to the case by means of a 4-fold screw connection. The cover can also be removed at these points with the lifting key.

Load:

15 kN test force according to EN 124 (class A15)

Material:

Case made of special aluminium profile and cover made of 3/5 mm aluminium chequer plate

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRE-400400AL5B	500 x 500	400 x 400	6 kg	L
PRE-500500AL5B	600 x 600	500 x 500	8 kg	L
PRE-600600AL5B	700 x 700	600 x 600	9 kg	L
PRE-700700AL5B	800 x 800	700 x 700	11 kg	L
PRE-800800AL5B	900 x 900	800 x 800	15 kg	L
PRE-900900AL5B	1000 x 1000	900 x 900	17 kg	L
PRE-10001000AL5B	1100 x 1100	1000 x 1000	20 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

suitable for:

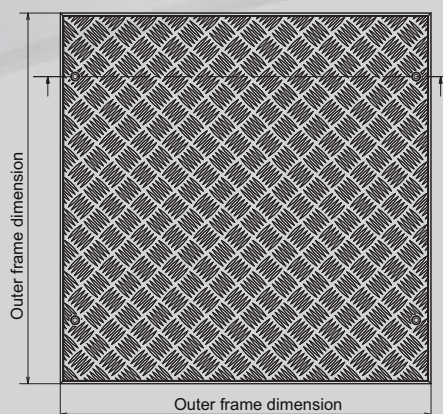
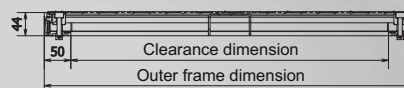


Pedestrian traffic

Special advantages of our system

- Floor-level cover made from non-slip chequer plate
- The built-in case has an installation height of only 44 mm
- With additional cross struts for reinforcement
- With circumferential frost- and weather-resistant protection

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Comfort key

For convenient removal of the lid, we recommend our comfort key

◀ Application example



▶ Application video
See the comfort key

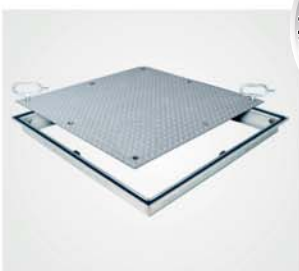
PRO+TR System Manhole Cover

Hot-dip galvanised steel

ProfessionalLine+

Product description:

The PRO+TR System Manhole Cover is made of hot-dip galvanised steel. The case is fitted with a circumferential frost- and weather-resistant EPDM special seal, which is largely odour- and waterproof. The walk-on cover is made of non-slip hot-dip galvanised bulb plate. The case is set in



concrete flush with the floor and the cover is then inserted. The cover is fixed to the frame by means of a 4-fold or 8-fold screw connection on the opposite sides. The cover can also be removed at these points with the lifting key.

Load:

Up to 250 kN test force according to EN 124 (class C250)

Material:

Case in 2 mm galvanised steel angle profile and cover made of 3 mm galvanised bulb plate

Areas of application:

For floor-level shafts indoors or outdoors

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Special designs:

Special sizes in any desired size can be produced on request.



Load up to C250!



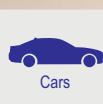
Load:

Additional reinforcement under the cover achieves the corresponding B125 (125 kN) or C250 load (250 kN)..

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+TR-400400V60	505 x 505	400 x 400	11 kg	L
PRO+TR-500500V60	605 x 605	500 x 500	14 kg	L
PRO+TR-600600V60	705 x 705	600 x 600	19 kg	L
PRO+TR-800800V60	905 x 905	800 x 800	26 kg	L
PRO+TR-10001000V60	1105 x 1105	1000 x 1000	40 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)
B = production to order

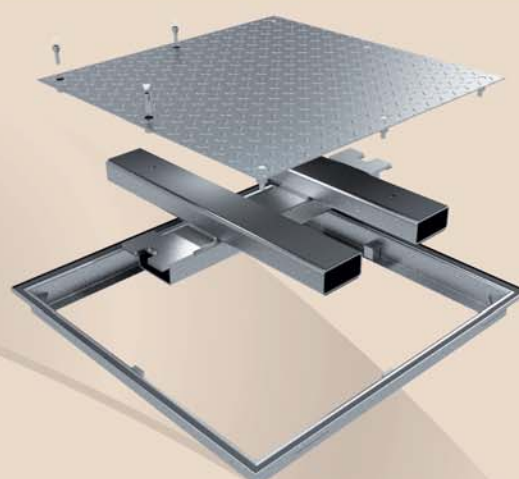
suitable for:



Special advantages of our system

- With fastening anchors to cement in for a secure hold
- Floor-level cover made from galvanised steel
- The built-in case has an installation height of only 60 mm
- With additional cross struts for reinforcement for loads up to class C250
- With circumferential frost- and weather-resistant EPDM special seal

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Application video
See the comfort key



Comfort key

For convenient removal of the lid, we recommend our comfort key

◀ Application example

PRO+TR



Watch installation video

PRO+TR heavy load

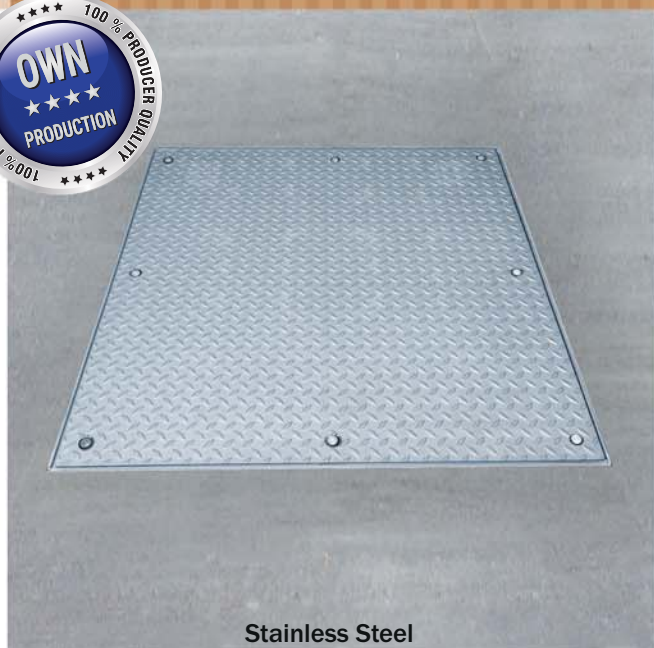


Watch installation video

PRO+TR System Manhole Cover

Stainless Steel

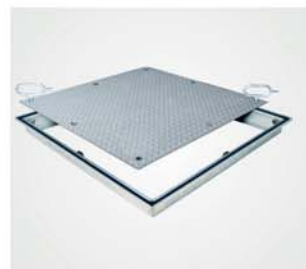
ProfessionalLine+



Stainless Steel

Product description:

The PRO+TR System Manhole Cover is made of stainless steel. The case is fitted with a circumferential frost- and weather-resistant EPDM special seal, which is largely 'odour- and waterproof'. The walk-on cover is made of non-slip stainless steel. The case is set in concrete flush with the floor and the cover is then



inserted. The cover is fixed to the frame by means of a 4-fold or 8-fold screw connection on the opposite sides. The cover can also be removed at these points with the lifting key.

Load:

Up to 250 kN test force according to EN 124 (class C250)

Material:

Case in 2 mm stainless steel angle profile and cover made of 3 mm stainless steel

Areas of application:

For floor-level shafts indoors or outdoors

Load:

Additional reinforcement under the cover achieves the corresponding B125 (125 kN) or C250 load (250 kN).

Opening:

Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

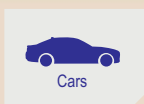
Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
PRO+TR-300300E60	405 x 405	300 x 300	7 kg	L
PRO+TR-400400E60	505 x 505	400 x 400	10 kg	L
PRO+TR-500500E60	605 x 605	500 x 500	13 kg	L
PRO+TR-600600E60	705 x 705	600 x 600	18 kg	L
PRO+TR-800800E60	905 x 905	800 x 800	27 kg	L
PRO+TR-10001000E60	1105 x 1105	1000 x 1000	38 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)
B = production to order

suitable for:



Pedestrian traffic



Cars

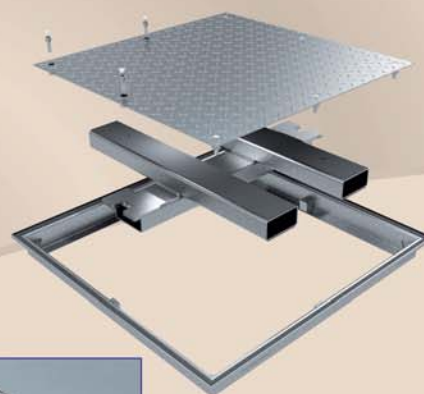


Light delivery vehicles

Special advantages of our system

- With fastening anchors to cement in for a secure hold
- Floor-level cover made from stainless steel
- The built-in case has an installation height of only 60 mm
- With additional cross struts for reinforcement for loads up to class C250
- With circumferential frost- and weather-resistant EPDM special seal

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



NEW:
Also available with drain



Application video
See the comfort key



Comfort key

For convenient removal of the lid, we recommend our comfort key

◀ Application example

PRO+TR



Watch installation video

PRO+TR heavy load



Watch installation video

Manhole cover made from aluminium/ stainless steel, rainproof, walkable, square

SA3-RI
SA3-TR

Areas of application: Manholes of all types, such as:

- Well shafts
- Spring shafts
- Ventilation shafts
- Sewer shafts

Versions:

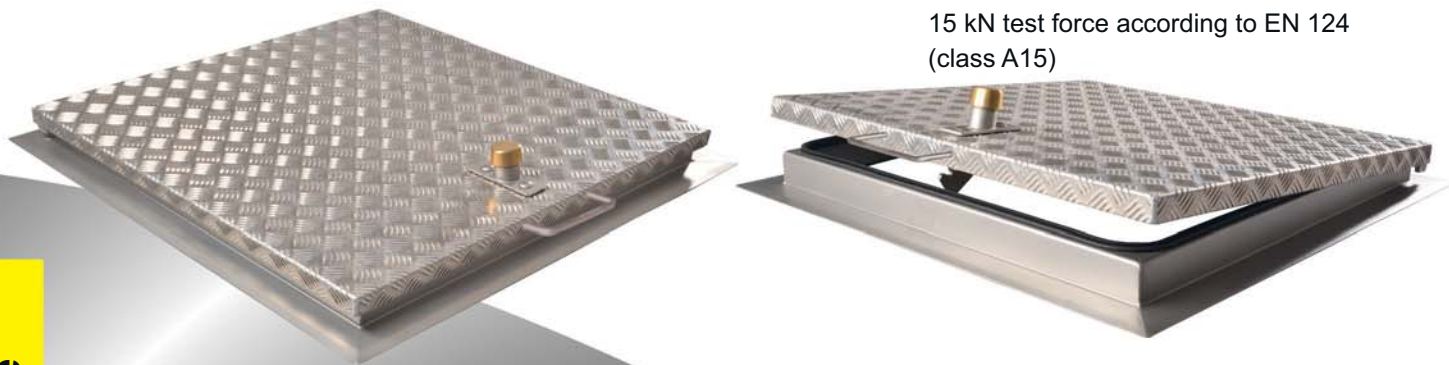
Chequer or bulb plate

RI Type: Aluminium chequer plate

TR Type: Stainless steel bulb plate

Load:

15 kN test force according to EN 124
(class A15)



RI/TR Type

Manhole cover: Sturdy cover made of 4 mm chequer or tear plate of aluminium / stainless steel, with internal hold-open device (protects against unintentional closing of the cover / can only be released by hand), with self-closing closure and brass oval cap, can only be opened with operator key with gas pressure spring as opening aid, on frame with sturdy, concealed hinges, cover can be opened approx. 100°, supplied with operator key.

Cases: ES1 Type: Made of stainless steel profile with wall anchors and fixing lugs for setting in concrete or dowelling (standard frame).

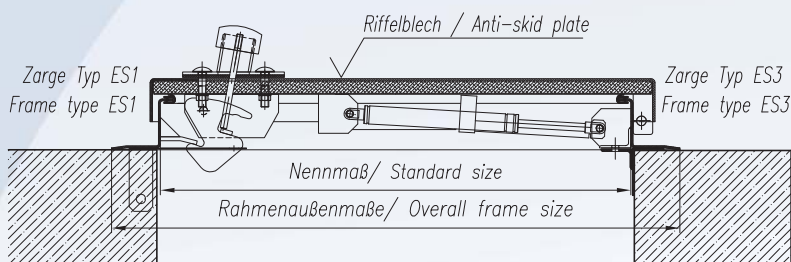
ES3 Type: Made of stainless steel profile with plaster frame made of angle profile and welded wall anchors for setting in concrete. Manhole cover screwed to the base frame on the inside.

Sealing: All covers are equipped with replaceable, frost- and weather-resistant rubber seal.

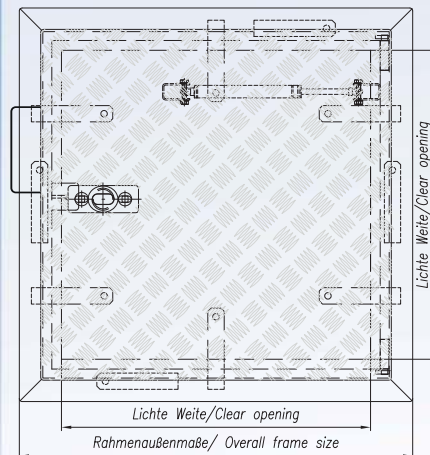
	Item No.	Nominal dimension	Clear span	Outer frame dimensions	L-B
RI Type	Aluminium				
	SA3-RI-600600AL	600 mm	570 x 570 mm	726 x 726 mm	B
	SA3-RI-800800AL	800 mm	770 x 770 mm	926 x 926 mm	B
	SA3-RI-10001000AL	1000 mm	970 x 970 mm	1126 x 1126 mm	B
TR Type	SA3-RI-12001200AL	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B
	Stainless Steel				
	SA3-TR-600600E	600 mm	570 x 570 mm	726 x 726 mm	B
	SA3-TR-800800E	800 mm	770 x 770 mm	926 x 926 mm	B
	SA3-TR-10001000E	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA3-TR-12001200E	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B

L = storage item **B** = production to order

Special sizes on request!



NEW: Oversizes now also available!



FF Systems

MA-GTR System Manhole Cover

Stainless steel with opening aid

MasterLine



Product description:

The MA-GTR system manhole cover is manufactured with a case made of 2.5 mm stainless steel and fitted with a circumferential frost- and weather-resistant special seal that is largely odour- and waterproof. The case is set in concrete flush with the floor. The stainless steel bulb plate is fixed at 2 corner points.



Opening is supported by a high-quality gas pressure spring so that the manhole cover can be opened and closed by only one person. A fall protection device prevents uncontrolled closing. The installation height is only 77 mm.

Load:

15 kN test force according to EN 124 (class A15)

Material:

Case in 2.5 mm stainless steel and plate in 3/5 stainless steel bulb plate.

Areas of application:

For floor-level shafts indoors or outdoors where particular value is placed on the highest quality.

Special designs and multi-part designs:

Special sizes in any desired size and multi-part designs can be produced on request.

Opening: Lifting keys and installation instructions are included with every FF manhole cover.

Installation:

Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Application option: For shafts that are to be opened frequently and without special effort. Especially for inspection and access shafts, as the opening and closing of the shaft can be carried out without significant effort for regular maintenance.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
MA-GTR-600600E75	701 x 726	600 x 600	38 kg	B
MA-GTR-800800E75	901 x 926	800 x 800	53 kg	L
MA-GTR-10001000E75	1101 x 1126	1000 x 1000	70 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

NEW: Now also available as **MA-GRI System** with plate in aluminium chequer plate!

suitable for:

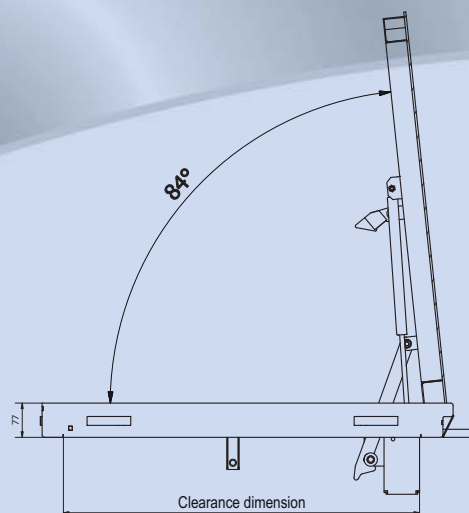


Pedestrian traffic

Special advantages of our system

- With plate in stainless steel bulb plate
- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- With additional cross struts for reinforcement
- With gas spring as opening aid

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



Watch installation video

MASTER System

MA-WT System Manhole Cover

Stainless steel - with opening aid, passable, rainproof

MasterLine

Product description:

The MA-WT system manhole cover is manufactured with a frame made of 5 mm stainless steel and fitted with a circumferential frost- and weather-resistant special seal that is impervious to daywater and odours. The case is set in concrete flush with the floor. The plate in stainless steel bulb plate is fastened with a



screw-type sash fastener incl. a brass protective cap. Opening is supported by the high-quality gas pressure springs in such a way that the manhole cover can be opened and closed by only one person. A fall protection device prevents uncontrolled closing. The installation height is 220 mm.

Load:

B125 accessible according to DIN EN 124/DIN 1229
D400 accessible according to DIN EN 124/DIN 1229

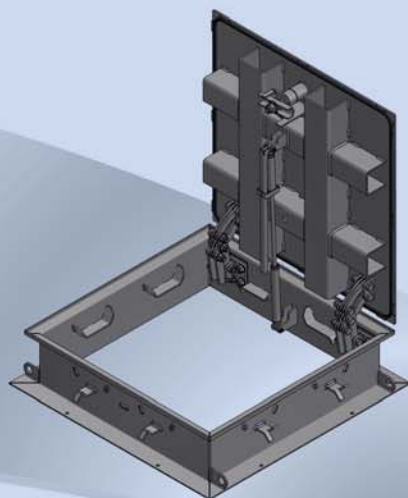
Material:

Case in 5 mm stainless steel and plate in 6/7.5 mm stainless steel bulb plate.

Sealing:

Sealing profile (insect-proof, weather-resistant, replaceable) fitted all round the underside of the lid

suitable for:



Special advantages of our system

- With plate in stainless steel bulb plate
- With frost- and weather-resistant special seal
- With fastening anchors for a secure hold
- With additional cross struts for reinforcement
- With gas springs as opening aid
- With crane eyes for easy transport

- ★ In-house production with state-of-the-art premium quality equipment
- ★ Short delivery times due to own production
- ★ Large stock of standard sizes



View product
video



Load up to D400!



Application option: For flush-to-floor shafts indoors or outdoors, where particular importance is attached to the highest quality and which are to be opened frequently and without particular effort. Especially for inspection and access shafts, as the opening and closing of the shaft can be carried out without significant effort for regular maintenance.

Closure:

Lid with a screw-type sash lock incl. a brass protective cap

Special designs: Special dimensions in any desired size can be manufactured on request.

Opening: Lifting keys and installation instructions are included with every FF manhole cover.

Installation: Installation must be carried out professionally according to our installation instructions. For types with a special seal, special attention must be paid to a tight connection to the case profile.

Note:

Accessible manhole covers are only suitable for installation in operational areas with non-flowing speed-limited traffic.

Item No.	Outer frame dimension [approx. mm]	Clearance dimension [approx. mm]	Weight unfilled [approx. kg]	L - B
MA-WT-600600E2-D	750 x 750	600 x 600	90 kg	L
MA-WT-800800E2-D	950 x 950	800 x 800	150 kg	L
MA-WT-10001000E2-D	1150x1150	1000 x 1000	200 kg	L
MA-WT-12001200E2-D	1350x1350	1200x 1200	290 kg	L

L = stock item (should a stock item be out of stock at short notice, we will take care of subsequent delivery as quickly as possible)

B = production to order

Options:

Brass insert

for the installation of a standard profile half cylinder

Profile cylinder

Profile half cylinder security lock (cylinder length 41.5 mm) for installation in the brass insert in accordance with LKA (State Criminal Police Office) recommendations.

Thermal insulation

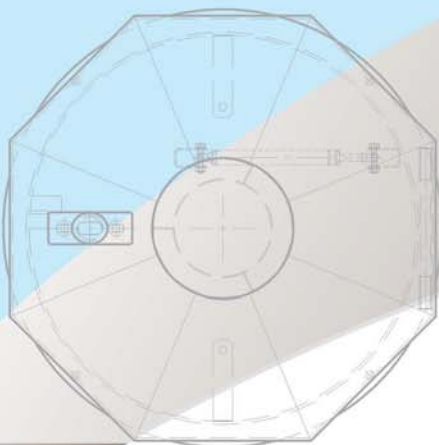
30 mm thick rigid foam insulation in the lid, protected by 1 mm thick lamination plate



Manhole covers from FF Systems are robust, durable and blend in perfectly with their surroundings. An extensive range of manhole covers is available for a wide variety of applications. Different designs, materials and dimensions ensure individuality in building.

Installation example

As one of the leading manufacturers of access systems with a worldwide supply and distribution network, we guarantee the highest reliability of our products.



the professionals for innovative construction

■ ■ ■ ■ ■ ■ ■ **FF Systems**

Well covers



Page 53



SA1 System
Manhole cover, rainproof,
square

Glass bead-blasted
surface



Page 54



SA2 System
Manhole cover rainproof,
round

Glass bead-blasted
surface



Page 55



SA3 System
Manhole cover rainproof,
burglar-resistant, square

Glass bead-blasted
surface



Page 56



SA4 System
Manhole cover rainproof,
burglar-resistant, round

Glass bead-blasted
surface



Page 57



SA5 System
Manhole cover, flood-proof,
square

Glass bead-blasted
surface



Page 58



SA6 System
Manhole cover, flood-proof,
round

Glass bead-blasted
surface

The **SA1**, **SA3** and **SA3-RI** systems can also be manufactured in a **2-leaf design**.



FF Systems

Areas of application: Manholes of all types, such as:

- Well shafts
- Spring shafts
- Ventilation shafts
- Sewer shafts

Versions:

A Type: without insulation

B Type: with insulation

C Type: with vapour hood, without insulation

D Type: with vapour hood, with insulation



Glass bead-blasted surface

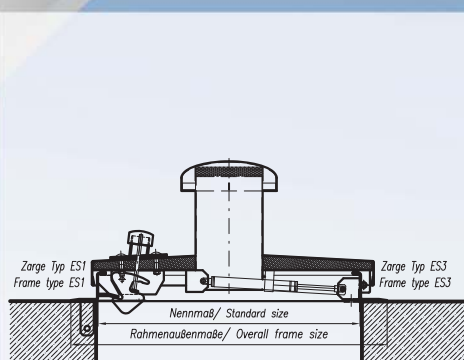


Manhole cover: Sturdy cover made of stainless steel sheet, raised in the centre, with internal hold-open device (protects against unintentional closing of the cover / can only be released by hand), with self-closing closure and brass oval cap, can only be opened with operator key with gas pressure spring as opening aid, on frame with sturdy, concealed hinges, cover can be opened approx. 100°, supplied with operator key.

Cases: ES1 Type: Made of stainless steel profile with wall anchors and fixing lugs for setting in concrete or dowelling (standard frame).

ES3 Type: Made of stainless steel profile with plaster frame made of angle profile and welded wall anchors for setting in concrete. Manhole cover screwed to the base frame on the inside.

Sealing: All covers are equipped with replaceable, frost- and weather-resistant rubber seal.



	Item No.	Material	Nominal dimension	Clear span	Outer frame dimensions	L-B
A Type	SA1-600600A	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA1-800800A	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA1-10001000A	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA1-12001200A	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B
B Type	SA1-600600B	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA1-800800B	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA1-10001000B	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA1-12001200B	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B
C Type	SA1-600600C	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	L
	SA1-800800C	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	L
	SA1-10001000C	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	L
	SA1-12001200C	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	L
D Type	SA1-600600D	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA1-800800D	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA1-10001000D	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA1-12001200D	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B

L = storage item B = production to order

Special sizes on request!



Watch installation video

Manhole cover, rainproof round

SA2



Areas of application: Manholes of all types, such as:

- Well shafts
- Spring shafts
- Ventilation shafts
- Sewer shafts

Versions:

RA Type: without insulation

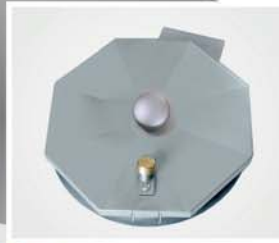
RB Type: with insulation

RC Type: with vapour hood, without insulation

RD Type: with vapour hood, with insulation



Glass bead-blasted surface



RA/RB/RC/RD Type

Manhole cover: Sturdy cover made of stainless steel sheet, raised in the centre, with internal hold-open device (protects against unintentional closing of the cover / can only be released by hand), with self-closing closure and brass oval cap, can only be opened with operator key with gas pressure spring as opening aid, on frame with sturdy, concealed hinges, cover can be opened approx. 100°, supplied with operator key.

Cases: ES1 Type: Made of stainless steel profile with wall anchors and fixing lugs for setting in concrete or dowelling (standard frame).

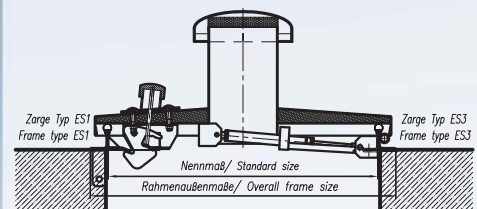
ES3 Type: Made of stainless steel profile with plaster frame made of angle profile and welded wall anchors for setting in concrete. Manhole cover screwed to the base frame on the inside.

Sealing: All covers are equipped with replaceable, frost- and weather-resistant rubber seal.

	Item No.	Material	Nominal dimension	Clear span	Outer frame dimensions	L-B
RA Type	SA2-600RA	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA2-800RA	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA2-1000RA	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA2-1200RA	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B
RB Type	SA2-600RB	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA2-800RB	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA2-1000RB	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA2-1200RB	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B
RC Type	SA2-600RC	1.4301 / 1.4571	620 mm	620 mm	700 mm	L
	SA2-800RC	1.4301 / 1.4571	800 mm	800 mm	880 mm	L
	SA2-1000RC	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	L
	SA2-1200RC	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	L
RD Type	SA2-600RD	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA2-800RD	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA2-1000RD	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA2-1200RD	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B

L = storage item **B** = production to order

Special sizes on request!



SA2 round without vapour hood **SA2 round with vapour hood**



Watch installation video



Watch installation video

Manhole cover rainproof burglar-resistant square

SA3



Areas of application: Manholes of all types, such as:

- Well shafts
- Spring shafts
- Ventilation shafts
- Sewer shafts

Versions:

E Type: without insulation

F Type: with insulation

G Type: with vapour hood, without insulation

H Type: with vapour hood, with insulation



Glass bead-blasted
surface



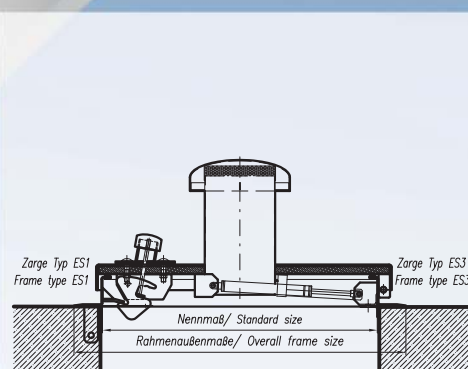
E/F/G/H Type

Manhole cover: Sturdy cover made of 4 mm stainless steel plate, with internal hold-open device (protects against unintentional closing of the cover / can only be released by hand), with self-closing closure and brass oval cap, can only be opened with operator key with gas pressure spring as opening aid, on frame with sturdy, concealed hinges, cover can be opened approx. 100°, supplied with operator key.

Cases: ES1 Type: Made of stainless steel profile with wall anchors and fixing lugs for setting in concrete or dowelling (standard frame).

ES3 Type: Made of stainless steel profile with plaster frame made of angle profile and welded wall anchors for setting in concrete. Manhole cover screwed to the base frame on the inside.

Sealing: All covers are equipped with replaceable, frost- and weather-resistant rubber seal.



	Item No.	Material	Nominal dimension	Clear span	Outer frame dimensions	L-B
E Type	SA3-600600E	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA3-800800E	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA3-10001000E	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA3-12001200E	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B
F Type	SA3-600600F	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA3-800800F	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA3-10001000F	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA3-12001200F	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B
G Type	SA3-600600G	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA3-800800G	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA3-10001000G	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA3-12001200G	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B
H Type	SA3-600600H	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA3-800800H	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA3-10001000H	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA3-12001200H	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B

L = storage item **B** = production to order

Special sizes on request!



Watch installation
video

Manhole cover rainproof burglar-resistant round

SA4



Areas of application: Manholes of all types, such as:

- Well shafts
- Spring shafts
- Ventilation shafts
- Sewer shafts

Versions:

RA Type: without insulation

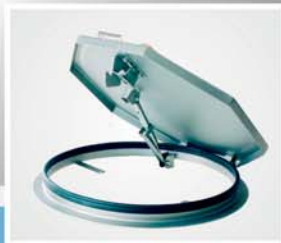
RB Type: with insulation

RC Type: with vapour hood, without insulation

RD Type: with vapour hood, with insulation



Glass bead-blasted surface



RA/RB/RC/RD Type

Manhole cover: Sturdy cover made of 4 mm stainless steel plate, with internal hold-open device (protects against unintentional closing of the cover / can only be released by hand), with self-closing closure and brass oval cap, can only be opened with operator key with gas pressure spring as opening aid, on frame with sturdy, concealed hinges, cover can be opened approx. 100°, supplied with operator key.

Cases: ES1 Type: Made of stainless steel profile with wall anchors and fixing lugs for setting in concrete or dowelling (standard frame).

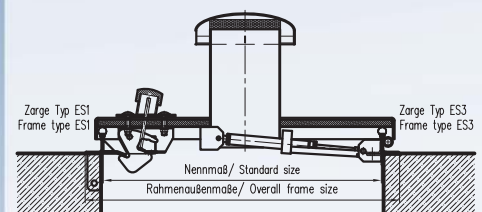
ES3 Type: Made of stainless steel profile with plaster frame made of angle profile and welded wall anchors for setting in concrete. Manhole cover screwed to the base frame on the inside.

Sealing: All covers are equipped with replaceable, frost- and weather-resistant rubber seal.

	Item No.	Material	Nominal dimension	Clear span	Outer frame dimensions	L-B
RA Type	SA4-600RA	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA4-800RA	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA4-1000RA	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA4-1200RA	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B
RB Type	SA4-600RB	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA4-800RB	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA4-1000RB	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA4-1200RB	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B
RC Type	SA4-600RC	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA4-800RC	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA4-1000RC	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA4-1200RC	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B
RD Type	SA4-600RD	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA4-800RD	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA4-1000RD	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA4-1200RD	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B

L = storage item **B** = production to order

Special sizes on request!



SA2 round without vapour hood



Watch installation video

SA2 round with vapour hood



Watch installation video

Manhole cover, flood-proof square

SA5

up to 1 m water column



Areas of application:

Manholes of all types, such as:

- Well shafts
- Spring shafts
- Ventilation shafts
- Sewer shafts

Versions:

E Type: without insulation

F Type: with insulation



Glass bead-blasted surface

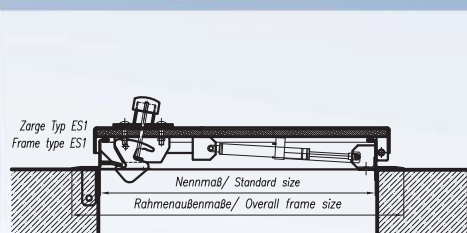
E/F Type

Manhole cover: Sturdy cover made of 4 mm stainless steel plate, glass bead-blasted surface, with internal hold-open device (protects against unintentional closing of the cover / can only be released by hand), with self-closing closure and brass oval cap, can only be opened with operator key with gas pressure spring as opening aid, on frame with sturdy, concealed hinges, cover can be opened approx. 100°, supplied with operator key.

Case: ES1 Type: Made of stainless steel profile with wall anchors and fixing lugs for setting in concrete or dowelling (standard frame).

Sealing: All covers are equipped with replaceable, frost- and weather-resistant rubber seal.

Addition: Security mortise lock to prevent burglary.



	Item No.	Material	Nominal dimension	Clear span	Outer frame dimensions	L-B
E Type	SA5-600600E	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA5-800800E	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA5-10001000E	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA5-12001200E	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B
F Type	SA5-600600F	1.4301 / 1.4571	600 mm	570 x 570 mm	726 x 726 mm	B
	SA5-800800F	1.4301 / 1.4571	800 mm	770 x 770 mm	926 x 926 mm	B
	SA5-10001000F	1.4301 / 1.4571	1000 mm	970 x 970 mm	1126 x 1126 mm	B
	SA5-12001200F	1.4301 / 1.4571	1200 mm	1170 x 1170 mm	1326 x 1326 mm	B

L = storage item **B** = production to order

Special sizes on request!

SA3



Watch installation video

Manhole cover, flood-proof round

SA6

up to 1 m water column



Areas of application:

Manholes of all types, such as:

- Well shafts
- Spring shafts
- Ventilation shafts
- Sewer shafts

Versions:

RA Type: without insulation

RB Type: with insulation

RA/RB Type



Manhole cover: Sturdy cover made of 4 mm stainless steel plate, glass bead-blasted surface, with internal hold-open device (protects against unintentional closing of the cover / can only be released by hand), with self-closing closure and brass oval cap, can only be opened with operator key with gas pressure spring as opening aid, on frame with sturdy, concealed hinges, cover can be opened approx. 100°, supplied with operator key.

Case: ES1 Type: Made of stainless steel profile with wall anchors and fixing lugs for setting in concrete or dowelling (standard frame).

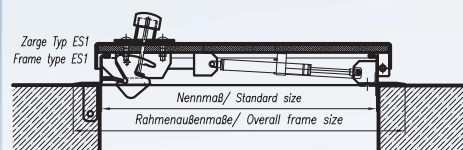
Sealing: All covers are equipped with replaceable, frost- and weather-resistant rubber seal.

Addition: Security mortise lock to prevent burglary.

	Item No.	Material	Nominal dimension	Clear span	Outer frame dimensions	L-B
RA Type	SA6-600RA	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA6-800RA	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA6-1000RA	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA6-1200RA	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B
RB Type	SA6-600RB	1.4301 / 1.4571	620 mm	620 mm	700 mm	B
	SA6-800RB	1.4301 / 1.4571	800 mm	800 mm	880 mm	B
	SA6-1000RB	1.4301 / 1.4571	1000 mm	1000 mm	1080 mm	B
	SA6-1200RB	1.4301 / 1.4571	1200 mm	1200 mm	1280 mm	B

L = storage item **B** = production to order

Special sizes on request!



SA2 round without vapour hood

SA2 round with vapour hood



Watch installation video



Watch installation video

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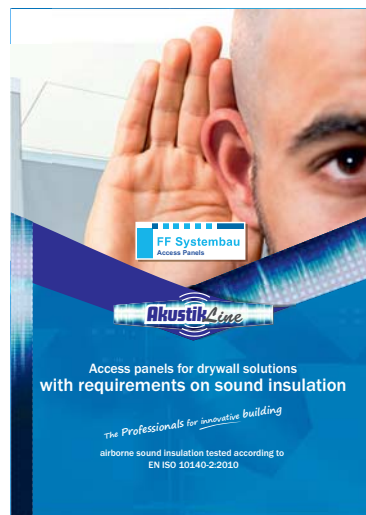
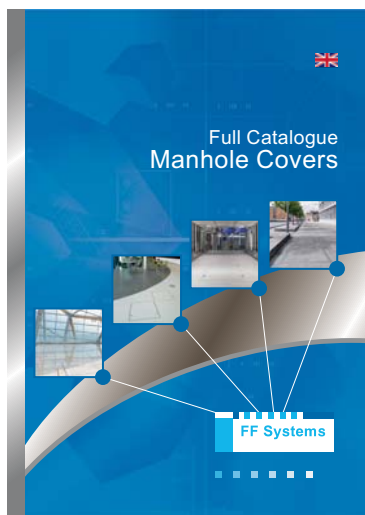
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