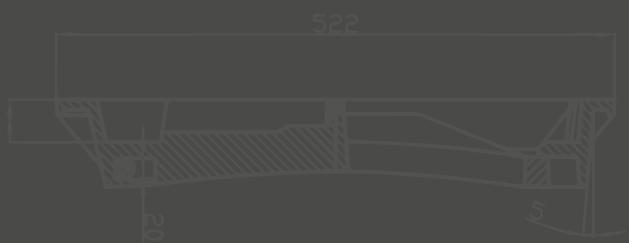


# PRODUCT CATALOG



**2024**

Company with quality certified by DNV ISO 9001 / 2000







Jumeirah Lake Towers  
P.O. Box 451 634  
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## APPROVED VENDOR TO:



## FDG is the market leader in manhole covers and sewer drains

### FDG offers:

#### 1. SAFETY

- Our products meet customer and industry demands and best practices
- Our products as well as our production facilities are certified and controlled by Quality Testing Institute, Croatia, meeting all European standards

#### 2. FLEXIBILITY

- Large offering of cast iron and ductile iron goods
- Ability to react to customers special requests

#### 3. IN-HOUSE RESEARCH & DEVELOPMENT

- Our superior products are the result of 'over 20 years of research & development'

#### 4. KEY PRODUCT FEATURES:

- Ease of use: easy to transport, install and maintain
- Ductile iron provides the same strength at only 20-50% of the weight of standard grey iron products
- Under stress, covers fit snug into the frame, thus minimising noise
- The frame dimensions are ideal for built up area
- Possibility to lock the cover in place using locks, bolts and self closing wedges
- Compliance with applicable standards HRN EN 124-1:2015, HRN EN 124-2:2015
- Continuous supervision by regulatory bodies

#### 5. QUALITY GUARANTEE:

- Design and production control in fulfilment of global standards
- Materials used are Grey Iron as per EN GJL and Ductile Iron as per EN GJS

#### USE

- Roadways, sidewalks, parking spaces, tunnels and bridges

#### CHARACTERISTICS

- Locking, sealing, ventilation openings (if required)

#### NAME PLATES

- Waterworks, sewerage, telephone, electronic...

#### MATERIAL

- Highest quality materials used in production and control

#### ANTICORROSION PROTECTION

- Cover and frame are submerged in black anticorrosive paint.  
Safe for humans and animals

#### PACKING

- Products are loaded onto euro pallets and fixed in place with metal tape

#### EXAMPLE

- Production of sewer covers with the city logo

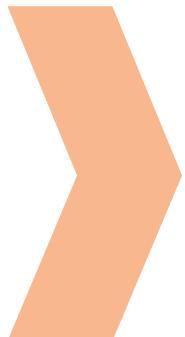


## Class rating as per HRN EN 124-1:2015, HRN EN 124-2:2015

CLASS	USE AREA
DESCRIPTION	HRN EN 124-1:2015 HRN EN 124-2:2015
CLASS A 15	CLASS A 15 pedestrian or cycling area only
CLASS B 125	CLASS B 125 pedestrian zones occasionally open to traffic - parking areas
CLASS C 250	CLASS C 250 ditches along roadsides, roadsides and parking lots for heavy vehicles
CLASS D 400	CLASS D 400 traffic routes, parking areas for all types of vehicle
CLASS E 600	CLASS E 600 high frequency zones, tunnels
CLASS F 900	CLASS F 900 special zones, for example airport runways



FDG Export Co has over 25 years of experience in the production and supply of ductile and grey iron manhole covers, gratings and assorted products.



Built from a single foundry, FDG Export offers the highest quality products, and has built upon this reputation over the years.



All of the products that we offer are manufactured to European Union standards and are certified by the Quality Testing Institute in Zagreb, Croatia (EU). We have strict in-house quality control at all our partner foundries, ensuring that our products are of the highest quality.



## 1. ATTENTION!

- Do not install lid directly to the top of the manhole
- Do not cut top of the manhole and ensure connection with the concrete
- Eliminate the dust
- Ensure at least 30m thick undercoat under the flange of the frame



## 2. FRAME INSTALLATION

- Leveling of the frame before laying asphalt is not safe, so the rule is that we install it later
- The best way of leveling is with a cross bar where we first secure the frame onto it
- It is possible to level it regardless of transverse or longitudinal slope
- Prevent the frame from dropping before hardening the substrate caused by the frame's own weight
- Leveling with relining the frame is not recommended

## 3. PERFORMANCE

- Tie the frame to two parallel slats
- Place the slats across the manholes so that they are at the level of the asphalt
- Center the frame with respect to the manhole position
- Leave approximately 3cm of space between the manhole seat and the frame flange
- Fill in the cavity surrounding the frame with concrete until it penetrates through the openings of the frame
- Use MB30 concrete
- Do not fill the hatch to the top end corner of the opening, but rather leave around 3cm for the final layer of the asphalt
- Filling the space under the center of the frame with fine concrete as shown above is optional and the decision may be left to the contractor
- ATTENTION: the center of locking with wedge-shaped protrusion of the lid must stay clean and must not be filled with concrete.
- One can use Styrofoam to prevent concrete from penetrating into the opening!
- Wet concrete filling should be protected with a cover (nylon or jute) in order to prevent rapid drying and thus cracking of concrete filling around the frame
- Concrete should be provided with time required for proper induration, taking into account weather conditions and relative humidity
- ATTENTION, when laying the final layer of asphalt, be careful not to fill the hatch that serves to insert the steel wedge to open the cover, it can be protected by paper or sand
- Install the frame so that the lid opening with the steel pin is turned in driving direction!
- We suggest that you cover the surface of the lid with foil before laying the final layer of asphalt in order to protect the cover from mechanical damage of paint.

# MANHOLE COVERS

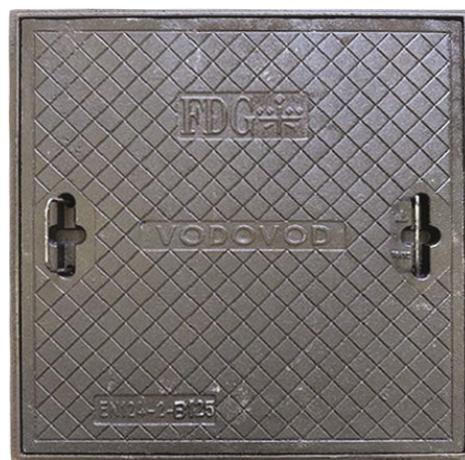
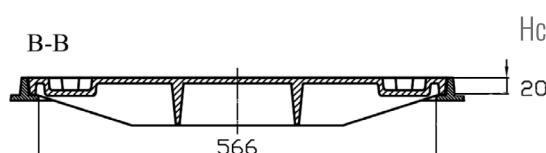
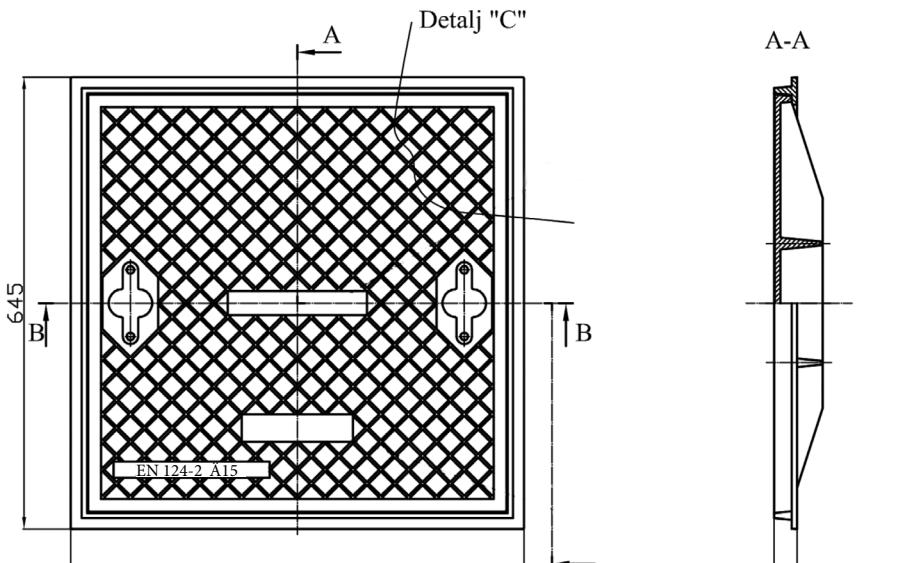


**FDG** EXPORT CO.  
DMCC DUBAI

A 15      B 125

## MANHOLE COVER

Square cover 600x600mm with handles, with corresponding frame, made of nodular cast iron EN GJS 500/7 (1563).



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



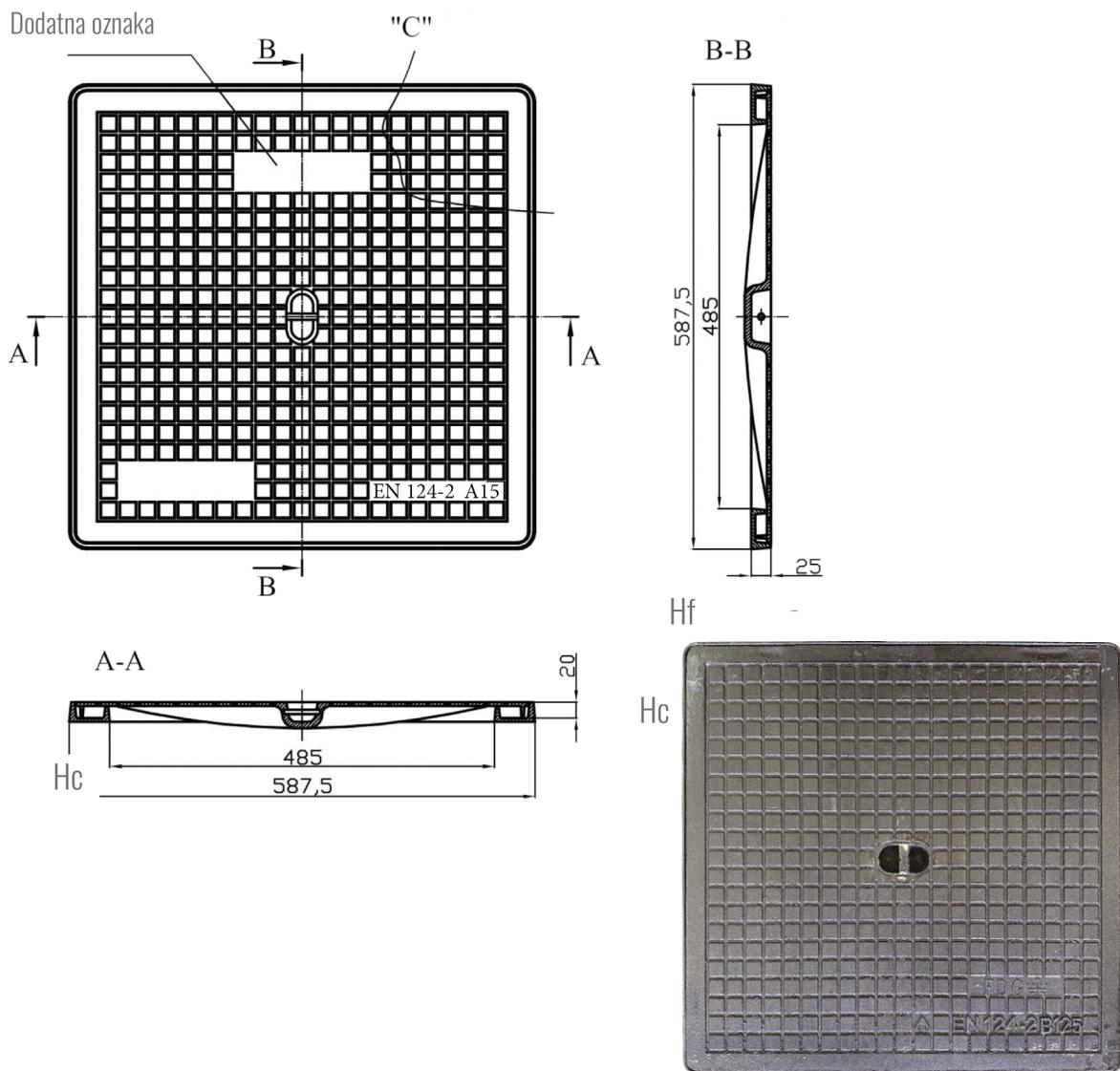
Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
501 RN	A 15	645 x 645	600 x 600	565	35	22.00
502 RN	B 125	645 x 645	600 x 600	565	35	28.50

A 15      B 125

## MANHOLE COVER

with oil seal

Channel cover with oil seal and corresponding frame, made of nodular cast iron EN GJS-500-7 (EN 1563). The oil seal prevents the penetration of waste liquids into the channel and the escape of odours from the channel, the oil groove is filled with liquid used for sealing (oil); the groove is located within the frame.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



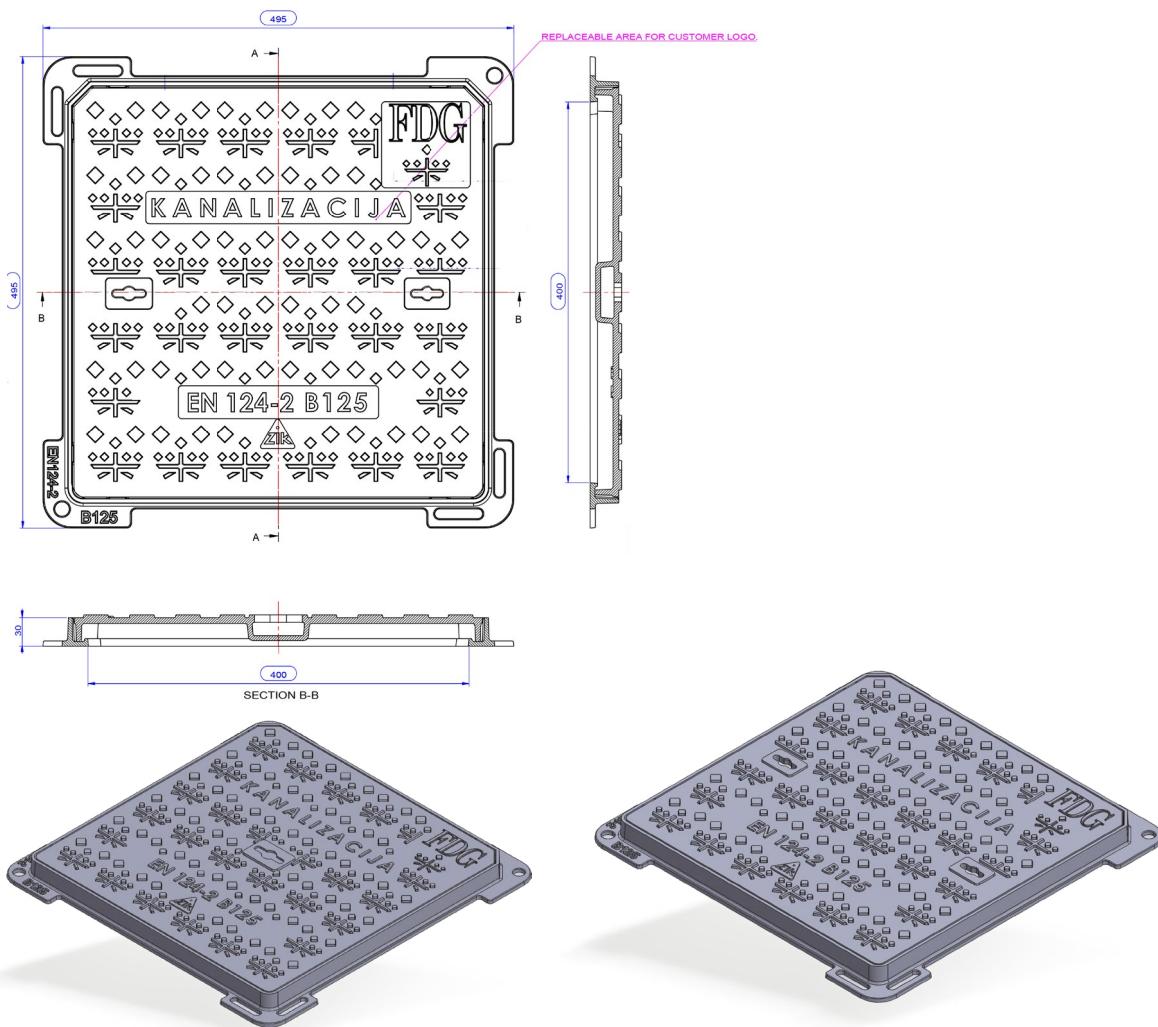
Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
101 / A	A 15	587 x 587	580 x 580	485	25	22.00
110 / A	B 125	368 x 368	348 x 348	300	25	9.00
110 / B	B 125	587 x 587	580 x 580	485	25	22.00



## MANHOLE COVER - FDG

square

Square cover with oil seal and corresponding frame, made of nodular cast iron EN GJS 500-7 (EN 1563). The oil seal prevents the penetration of waste liquids into the channel and the escape of odours from the channel, the oil groove is filled with liquid (oil) used for sealing. The groove is located within the frame.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

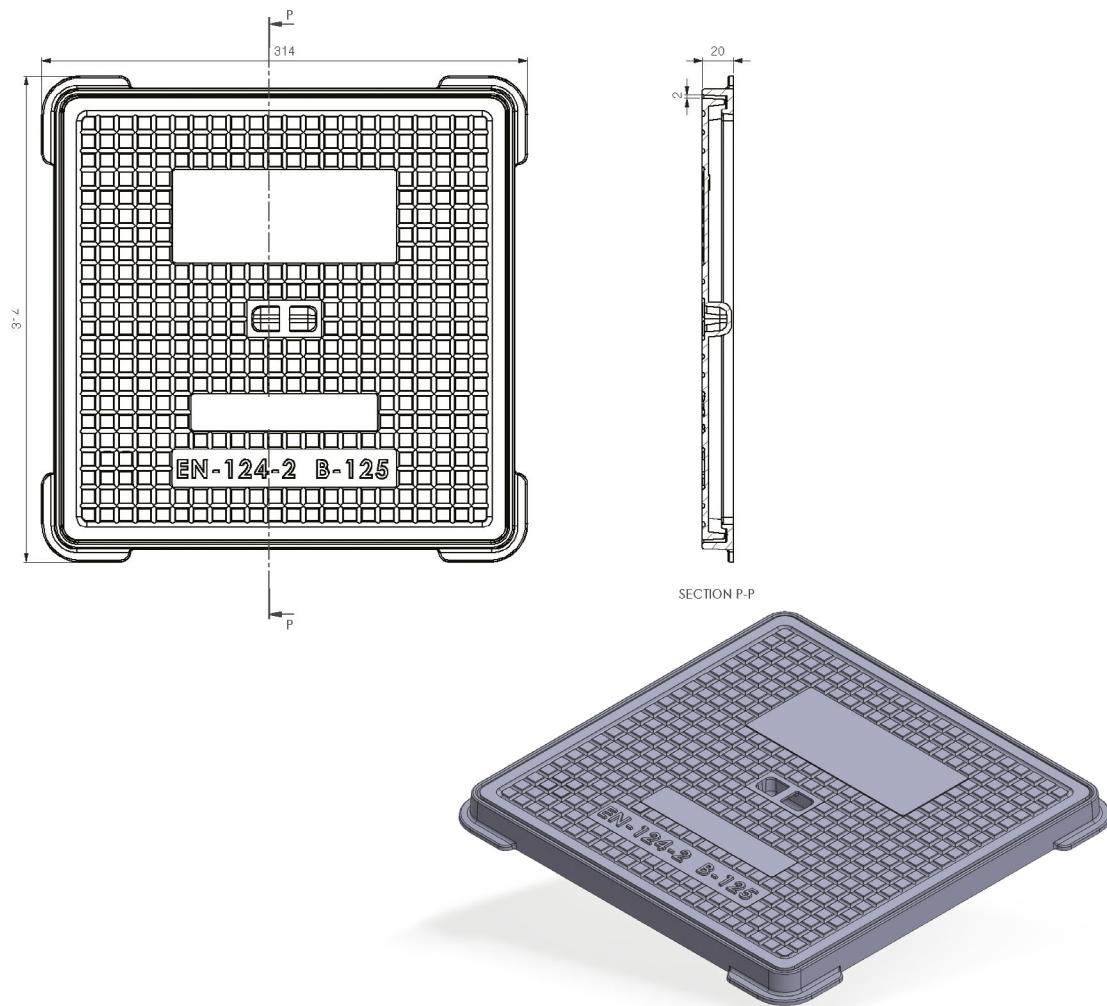


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-B300	300 x 300	230 x 230	200 x 200	25	5.41
FDG-B400	400 x 400	330 x 330	300 x 300	25	8.67
FDG-B500	500 x 500	430 x 430	400 x 400	30	13.87
FDG-B600	600 x 600	530 x 530	500 x 500	35	21.01
FDG-B700	700 x 700	630 x 630	600 x 600	40	30.91
FDG-B800	800 x 800	730 x 730	700 x 700	45	43.04

## MANHOLE COVER - FDGF

square

Square cover with corresponding frame, made of nodular cast iron EN GJS-500-7 (EN 1563).



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

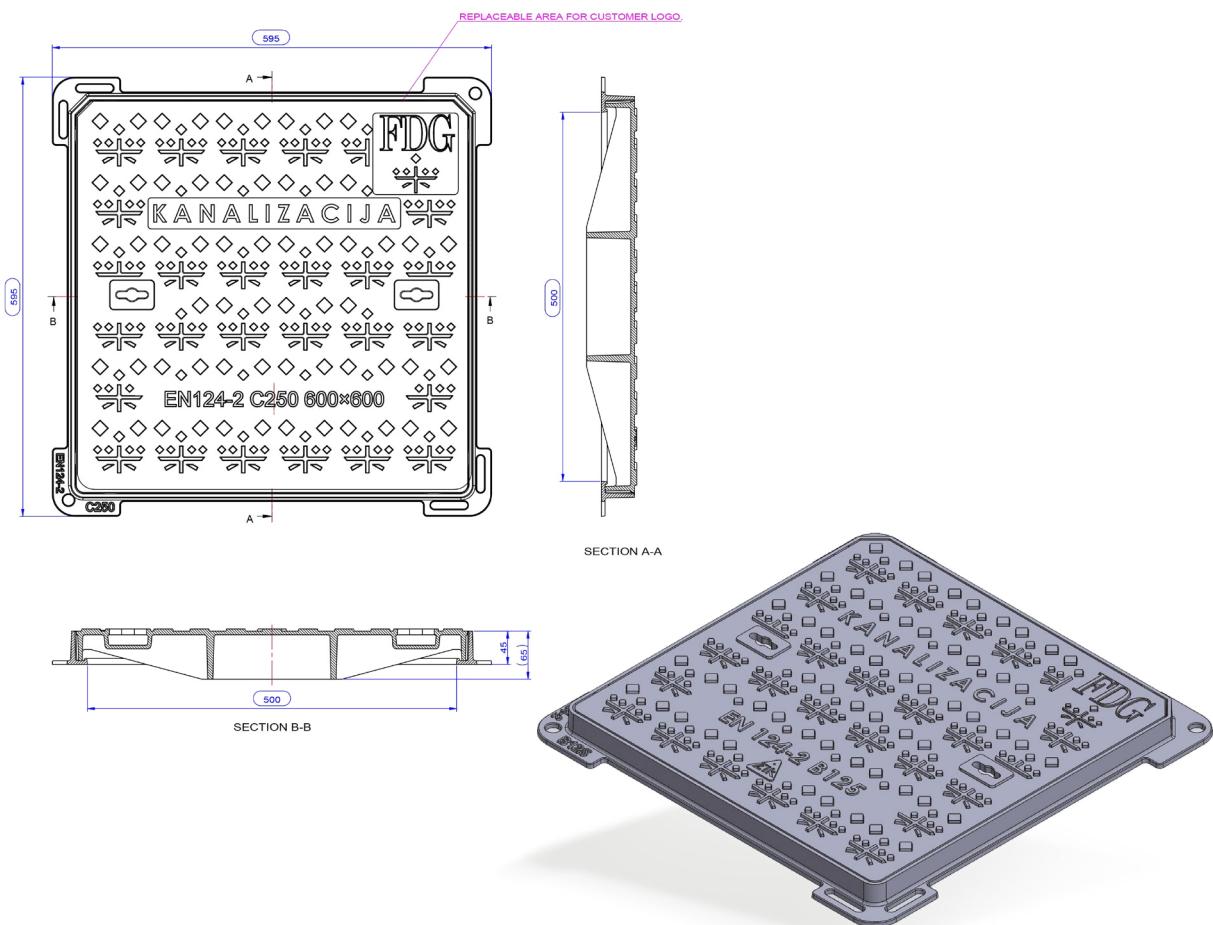


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDGF-300	320 x 320	290 x 290	270 x 270	25	4.08
FDGF-400	400 x 400	390 x 390	370 x 370	30	6.32
FDGF-420	420 x 420	390 x 390	370 x 370	30	6.94
FDGF-520	520 x 520	490 x 490	470 x 470	30	11.22
FDGF-600	620 x 620	590 x 590	520 x 520	30	17.20
FDGF-700	720 x 720	690 x 690	670 x 670	40	30.00
FDGF-800	820 x 820	790 x 790	760 x 760	40	44.4

## MANHOLE COVER - FDG

square

Square cover with oil seal and corresponding frame, made of nodular cast iron EN GJS 500-7 (EN 1563). The oil seal prevents the penetration of waste liquids into the channel and the escape of odours from the channel, the oil groove is filled with liquid (oil) used for sealing. The groove is located within the frame.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



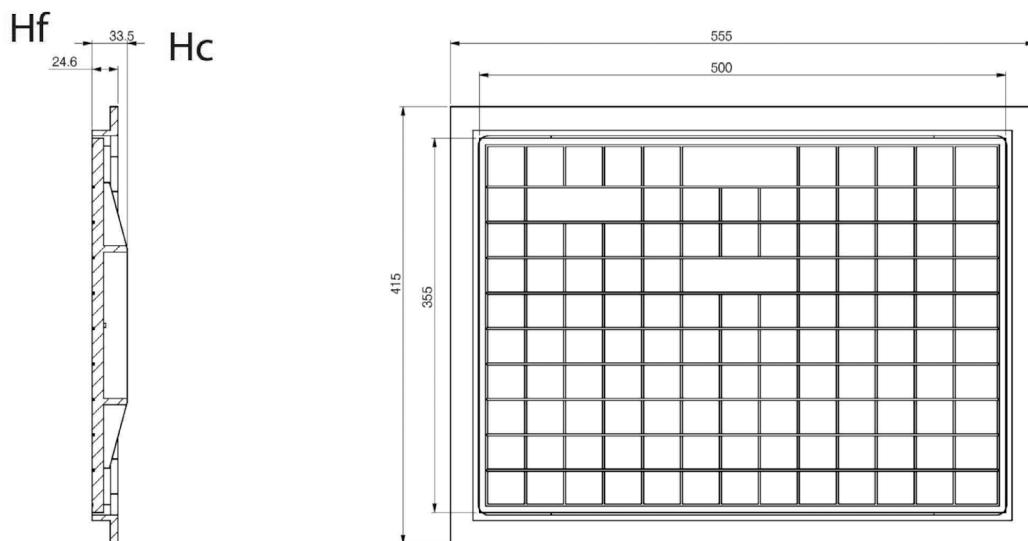
Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-C300	300 x 300	230 x 230	200 x 200	30	5.92
FDG-C400	400 x 400	330 x 330	300 x 300	35	11.22
FDG-C500	500 x 500	430 x 430	400 x 400	40	17.75
FDG-C600	600 x 600	530 x 530	500 x 500	45	27.34
FDG-C700	700 x 700	630 x 630	600 x 600	50	37.94
FDG-C503	700 x 700	630 x 630	600 x 600	75	46.00
FDG-C800	800 x 800	730 x 730	700 x 700	50	53.14
FDG-C900	900 x 900	830 x 830	800 x 800	50	80.58
FDGC6080	600 x 800	530 x 730	500 x 700	50	42.53

A 15    B 125    C 250

## CANALISATION TOP

waterworks

Rectangular cover with lifting hole and corresponding frame, made of nodular cast iron  
EN GJS 500-7 (EN 1563).



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

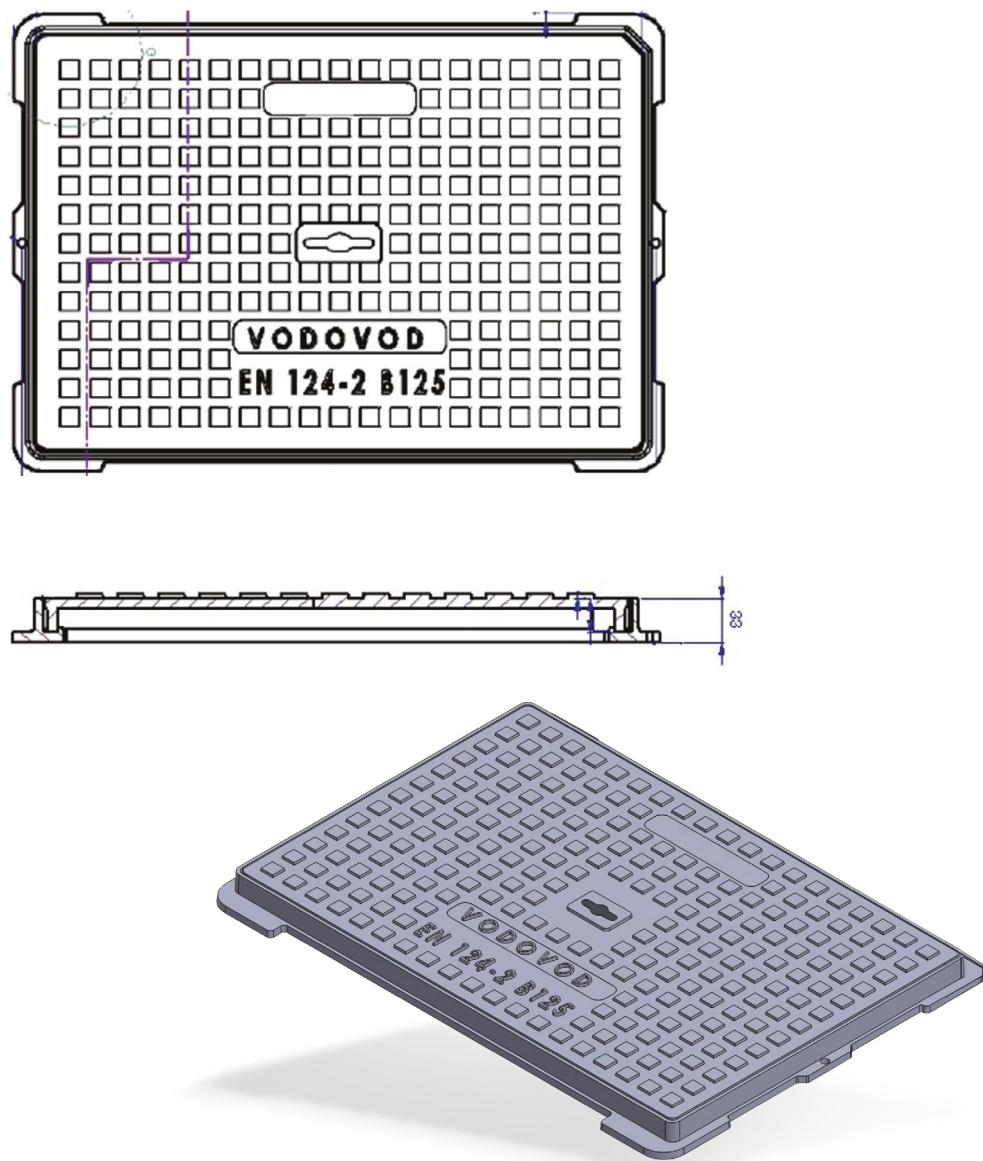


Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
203	A 15	555 x 415	500 x 355	330	25	20.40
203B	B 125	555 x 415	500 x 355	330	30	25.09
203C	C 250	555 x 415	500 x 355	330	30	25.09



## MANHOLE COVER

Square cover with corresponding frame made of nodular cast iron EN GJS 500-7 (EN 1563).



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

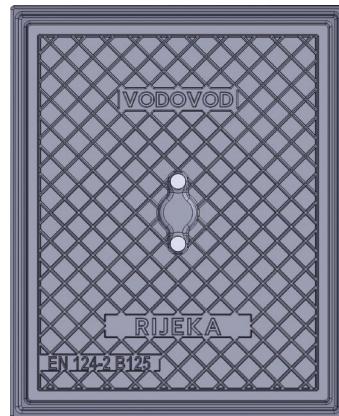
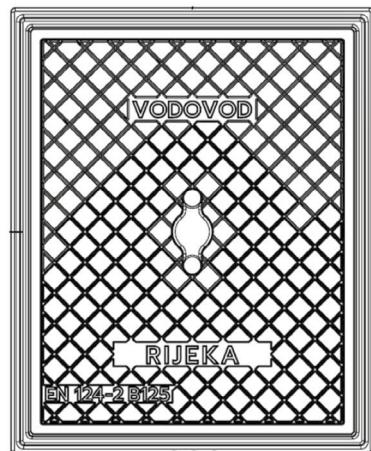


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
499	685 x 495	645 x 435	400	33	23.46

B 125

## MANHOLE COVER

Rectangular cover with corresponding frame made of nodular cast iron EN GJS 500-7 (EN 1563).



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



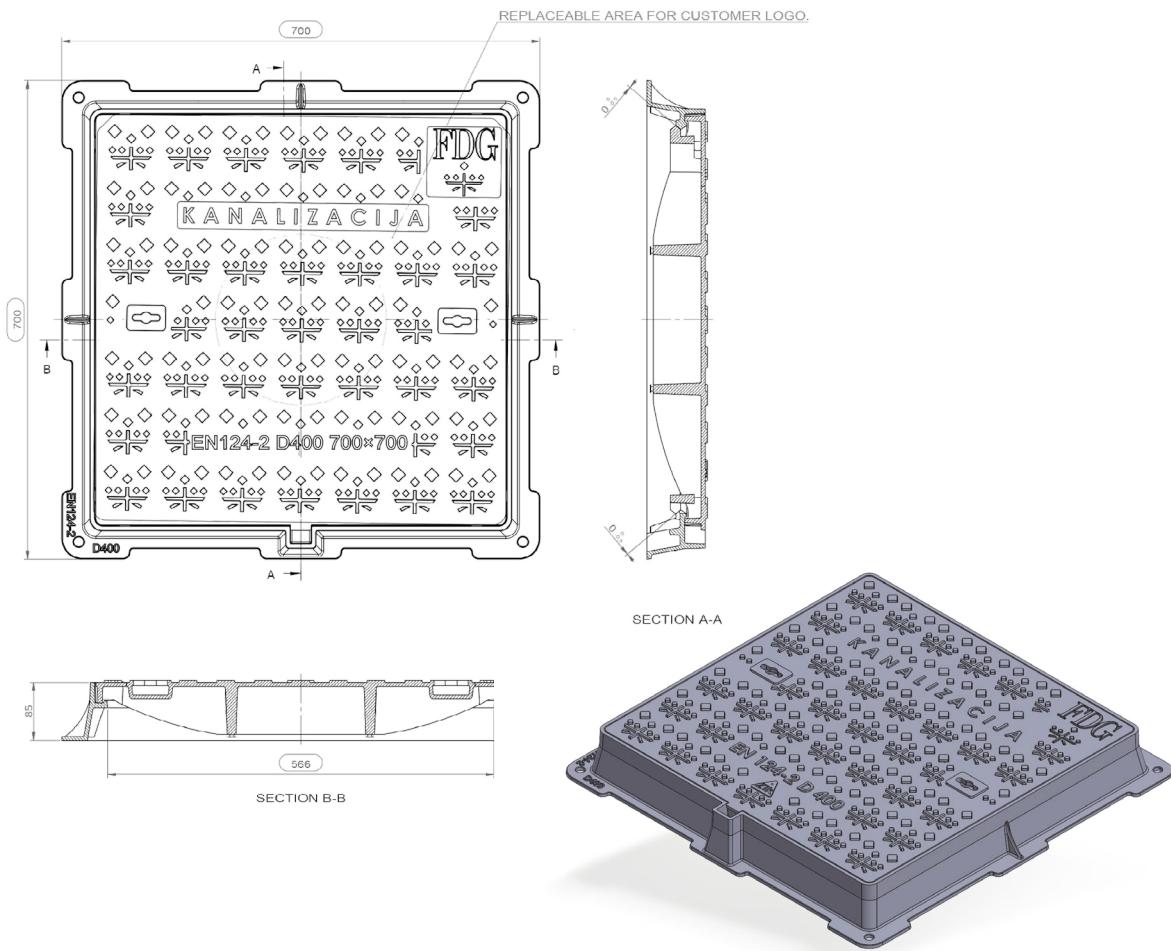
Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
200A	370 x 470	350 x 450	310 x 410	25	16.00
202	540 x 435	490 x 390	460 x 360	30	25.00



## MANHOLE COVER - FDG

square

Ductile cast-iron square manhole cover with frame, locked with elastic bars, certified by Quality Testing Institute Zagreb as per EN 124-2:2015, bitumen coated with antiskid design.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



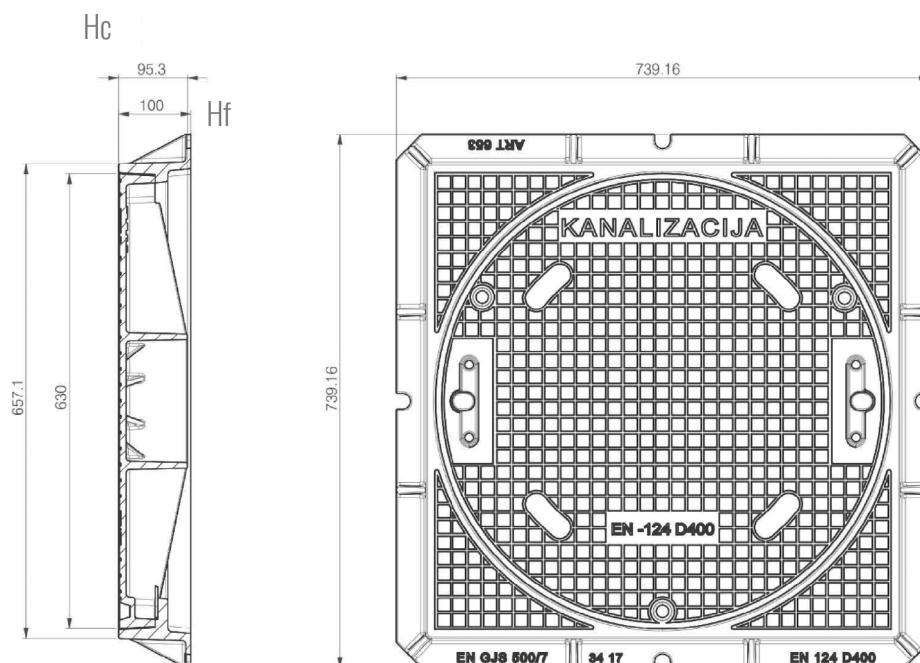
Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-D400L	400 x 400	300 x 300	266 x 266	75	16.01
FDG-D500L	500 x 500	400 x 400	366 x 366	75	24.48
FDG-D600L	600 x 600	500 x 500	466 x 466	75	36.72
FDG-D700L	700 x 700	600 x 600	566 x 566	85	51.51
FDG-D800L	800 x 800	700 x 700	666 x 666	85	63.24
FDG-D900L	900 x 900	800 x 800	766 x 766	90	94.86
FDG-D1000L	1000 x 1000	905 x 905	866 x 866	100	123.42
FDG-D1100L	1100 x 1100	1005 x 1005	966 x 966	100	164.32
FDG-D1200L	1200 x 1200	1105 x 1105	1066 x 1066	100	174.00

D 400

## MANHOLE COVER

with round opening

Cover Ø600mm, with/without ventilation holes, for inspection chambers for traffic and pedestrian areas, class D400, with a square frame 742x742mm, with handles, cover and frame seats machined, secured with three screws, made of nodular cast iron EN GJS 500-7 (EN 1563), frame height h=103mm.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

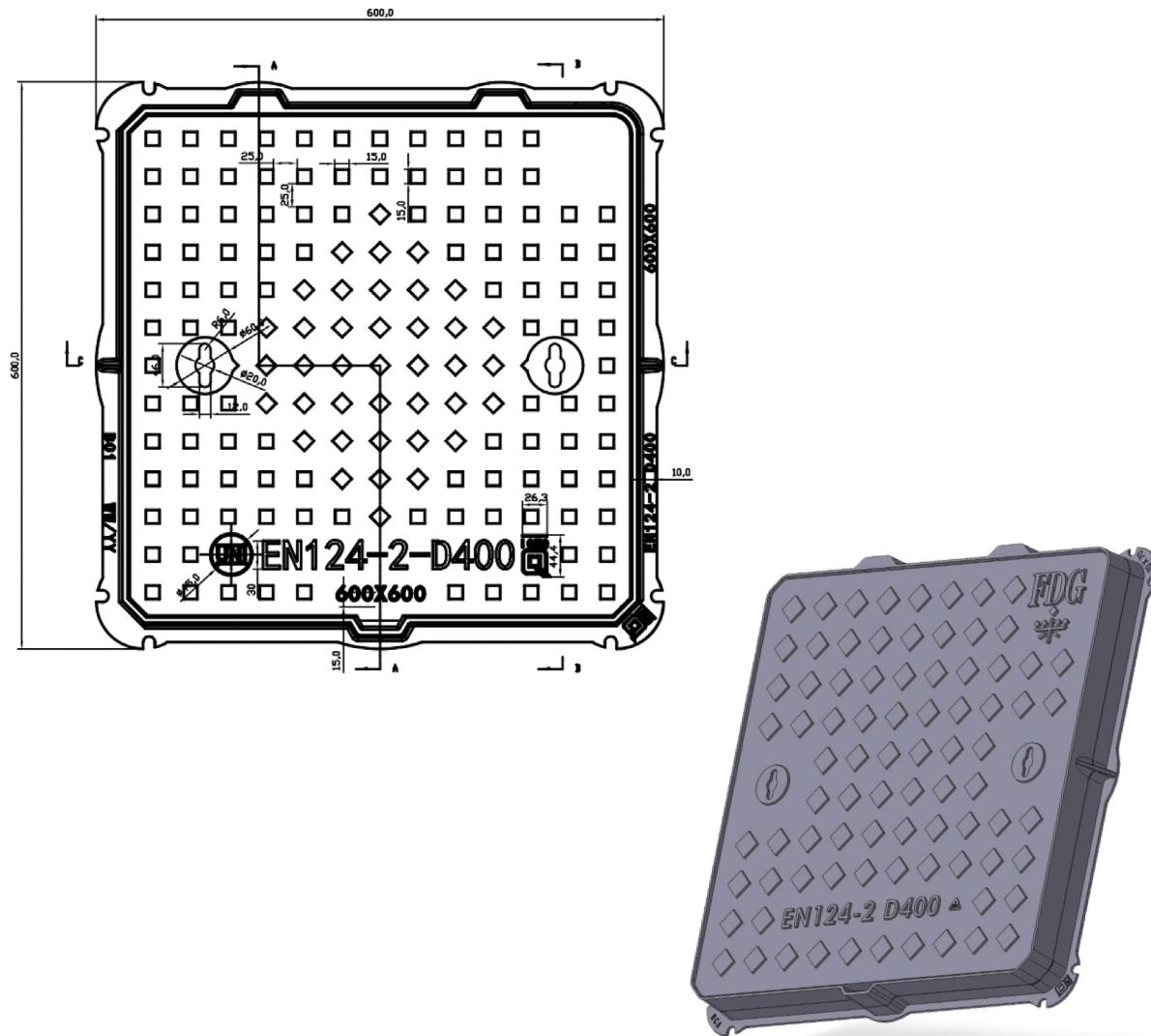


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
653	740 x 740	Ø 630	Ø 600	100	90.00

## MANHOLE COVER

square

Cast Iron square cover, with gasket and corresponding frame EN GJS 500-7 (EN 1563).



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



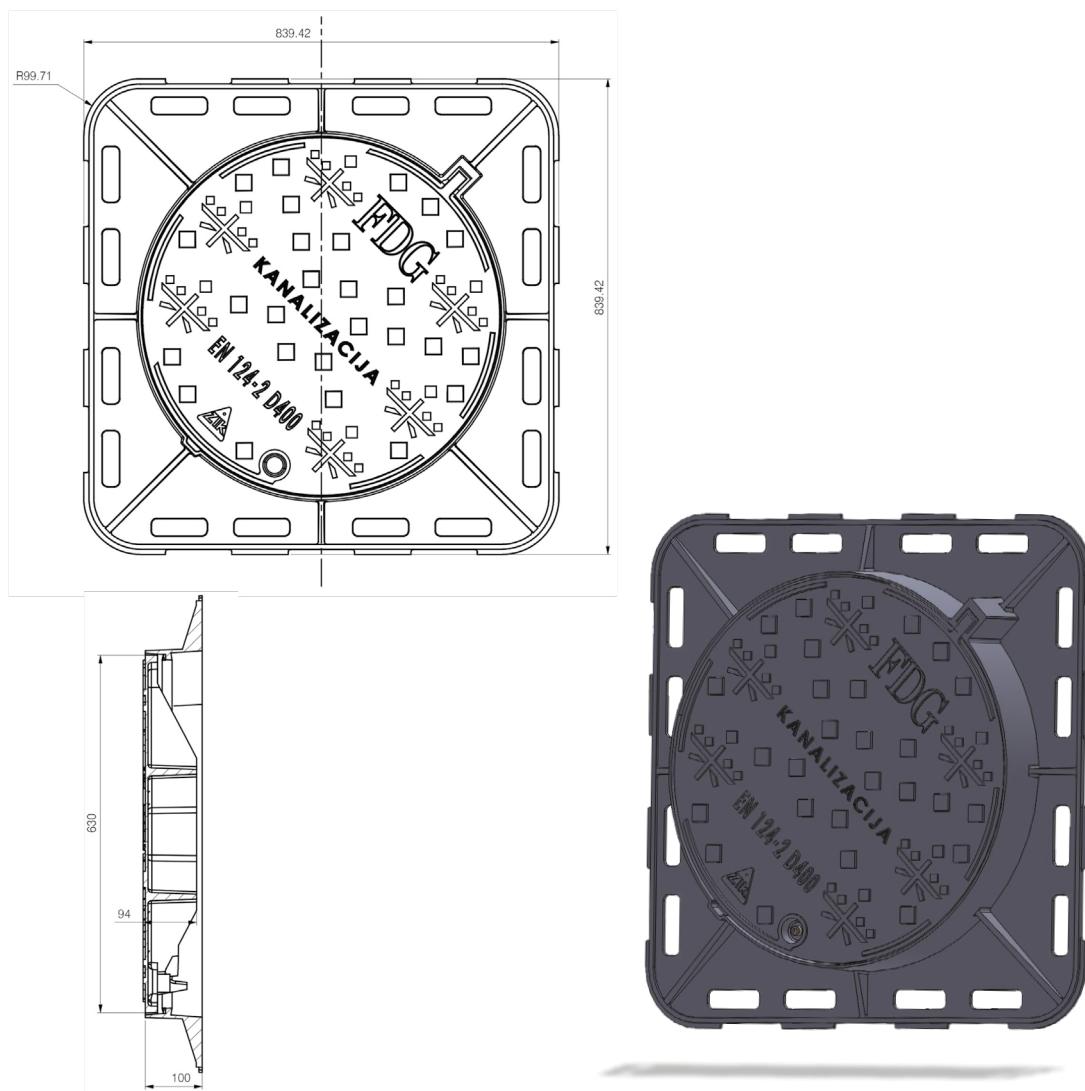
Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-DA400L	400 x 400	307 x 307	280 x 280	75	19.99
FDG-DA500L	500 x 500	435 x 435	400 x 400	75	26.52
FDG-DA600L	600 x 600	535 x 535	500 x 500	75	38.25
FDG-DA700L	700 x 700	635 x 635	600 x 600	75	52.00

D 400

## MANHOLE COVER

with round centre

Round cover Ø600mm, ventilated, lw=603mm, h=100mm, made of nodular cast iron EN GJS-500-7 (EN 1563), cover with hinge with safety position at 75°, detachable at 90° and for control purposes at 102° opening, with rim, replacement and noise-dampening insert that provides not only vertical but also horizontal dampening, cover safety in the frame through cast elastic spring, cover centering in the frame. Possibility of additional locking with a lock screw. Frame size 840x840 at the bottom, after frame size 840x840 at the bottom, after frame installation visible Ø 600.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
634	840 x 840	Ø 630	Ø 600	103	55.61

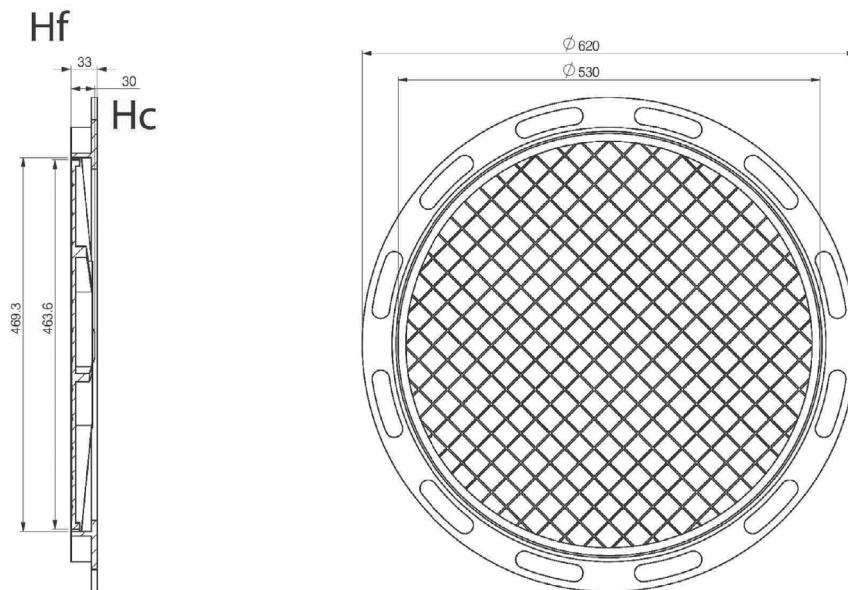


B 125 C 250

## MANHOLE COVER

round - Fi400 / Fi500

Round cover with a lifting hole and corresponding frame, made of nodular cast iron EN GJS-500-7 (EN 1563).



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



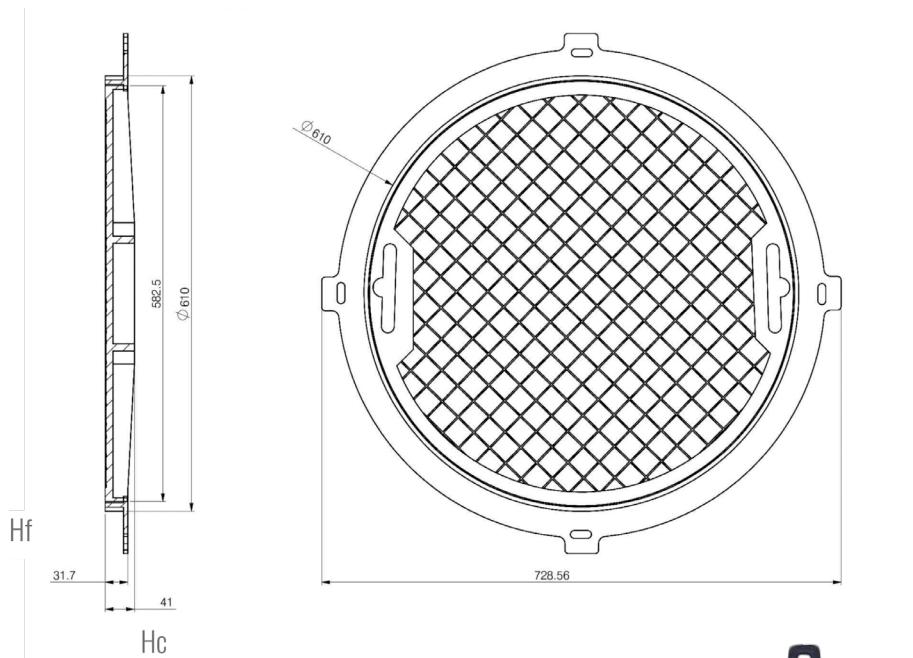
Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
599	B 125	Ø 520	Ø 430	Ø 400	31	13.26
599C	C 250	Ø 520	Ø 430	Ø 400	31	15.00
500B	B 125	Ø 620	Ø 530	Ø 500	33	17.34
500C	C 250	Ø 620	Ø 530	Ø 500	33	21.42

A 15      B 125

## MANHOLE COVER

round - Fi 600

Round cover Ø600mm, with lifting handles and corresponding frame, made of nodular cast iron EN GJS-500-7 (EN 1563).



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
600N	A 15	Ø 728	Ø 610	Ø 582	40	21.00
602N	B 125	Ø 728	Ø 610	Ø 582	40	25.50

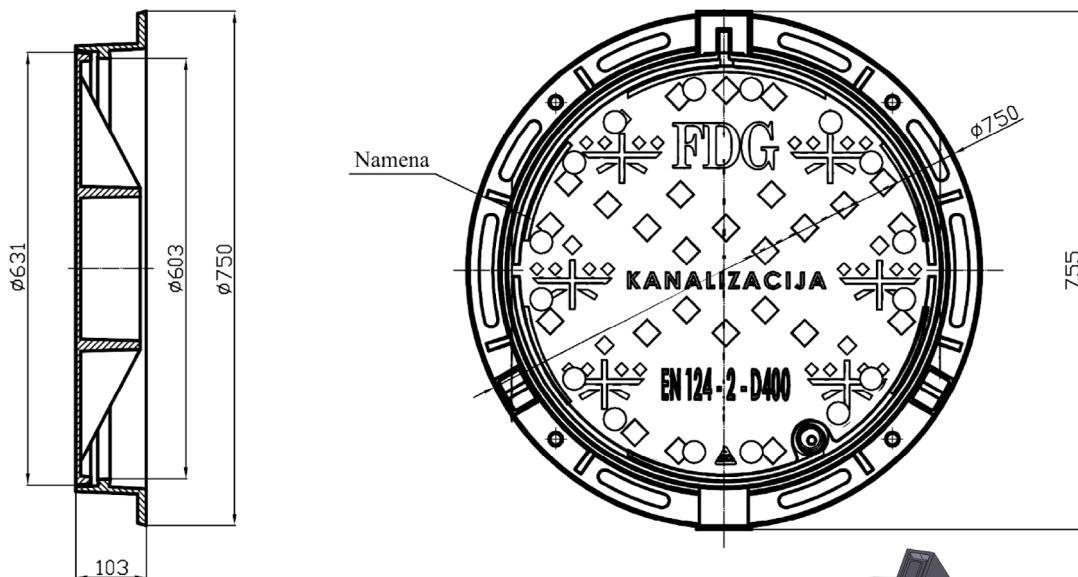


C 250    D 400

## MANHOLE COVER

round - Fi 600 hinged & ventilated

Round cover Ø600mm, lw=603 mm, h=100 mm, with/without ventilation holes, made of nodular cast iron EN GJS-500-7 (EN 1563), cover with hinge with safety position at 75°, detachable at 90° and for control purposes at 102° opening, with rim, replacement and noise-dampening insert that provides not only vertical but also horizontal dampening, cover safety in the frame through cast elastic spring, cover centering in the frame. Possibility of additional locking with a lock screw.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



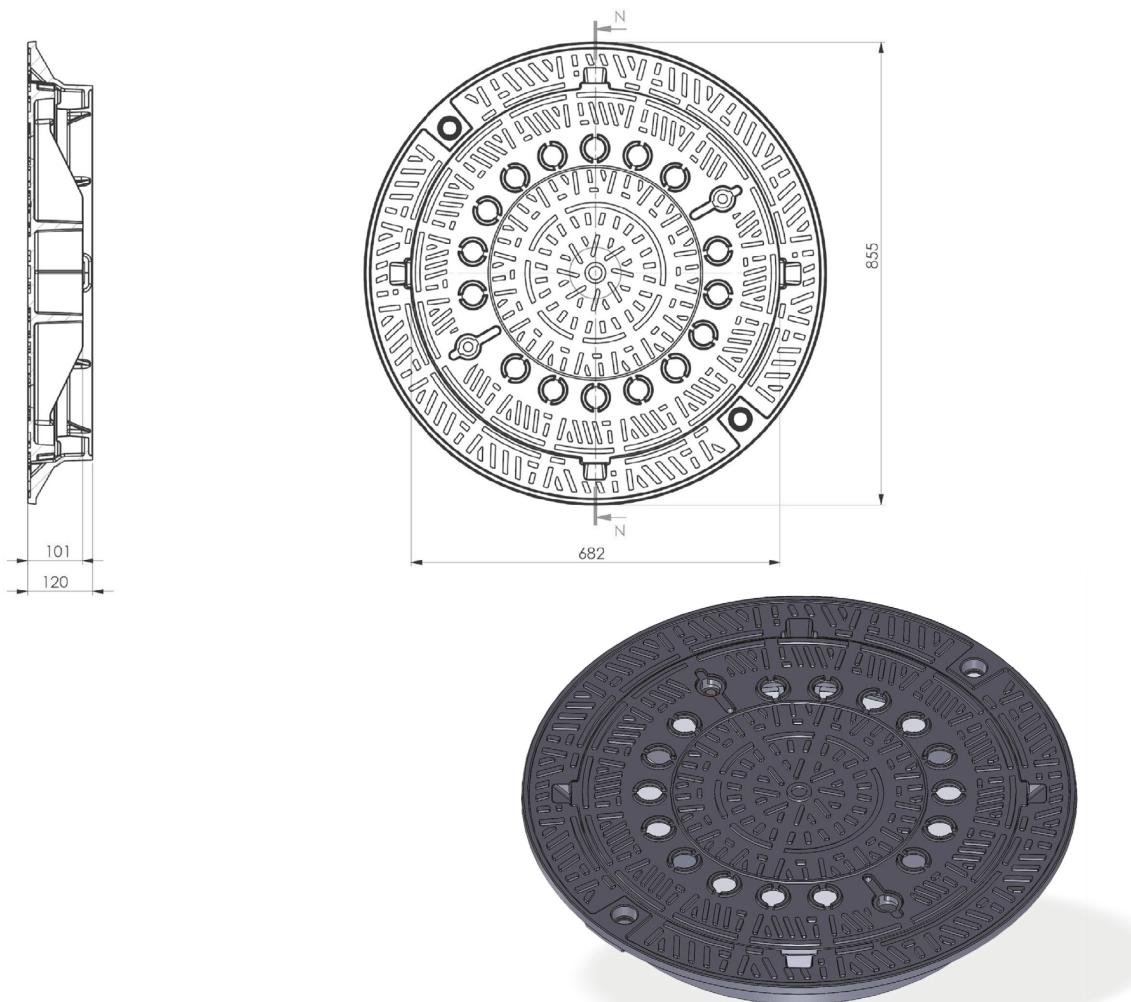
Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
608 AQB	C 250	Ø 750	Ø 630	Ø 603	100	35.70
605V	D 400	Ø 750	Ø 630	Ø 603	100	41.82
605P	D 400	Ø 750	Ø 630	Ø 603	100	41.82

**D 400**

## MANHOLE COVER

with round centre I self - levelling

Telescopic cover Ø600mm, with/without ventilation holes, class D400, with a clear diameter of 605 mm, with a round self-levelling frame for installation directly into the wearing layer of asphalt, nodular cast iron EN GJS 500-7 (1563) with a replaceable noise-dampening insert, hardness 70° (Shore A) positioned horizontally in the frame seat, stabilized with spikes, without the possibility of falling out, with a steel telescopic ring height  $h=75$  mm, load class D400, with two locking elements that do not require maintenance and are secure against lifting due to traffic, without a hinge, for installation heights from 13.0 to 19.0 cm. Frame pressure on the seating surface up to a maximum of 2.1 N/mm<sup>2</sup>.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
635	Ø 855	Ø 682	Ø 605	120	75.00

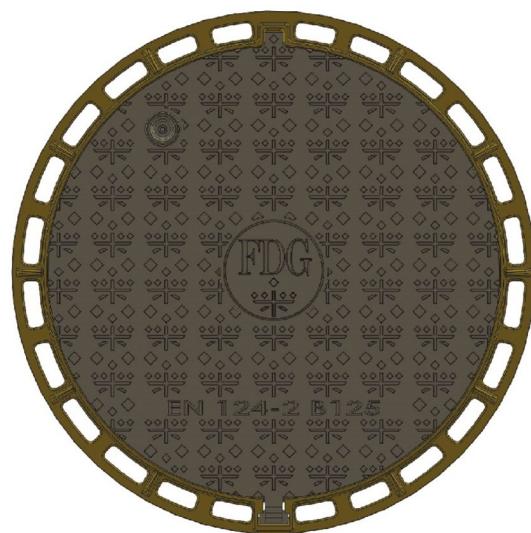
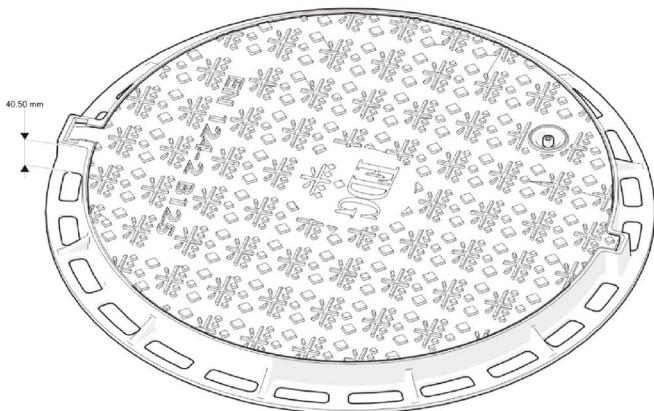


B 125

## MANHOLE COVER

round

Round cover Ø600mm, with corresponding frame, made of nodular cast iron EN GJS 500-7 (EN 1563), frame height h=40 mm, frame diameter 730 mm, clear opening width lw=600 mm. Secured with screw/lock, hinged - anti-theft, noise-dampening gasket.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
602	B 125	Ø 730	Ø 623	Ø 600	40	25.00

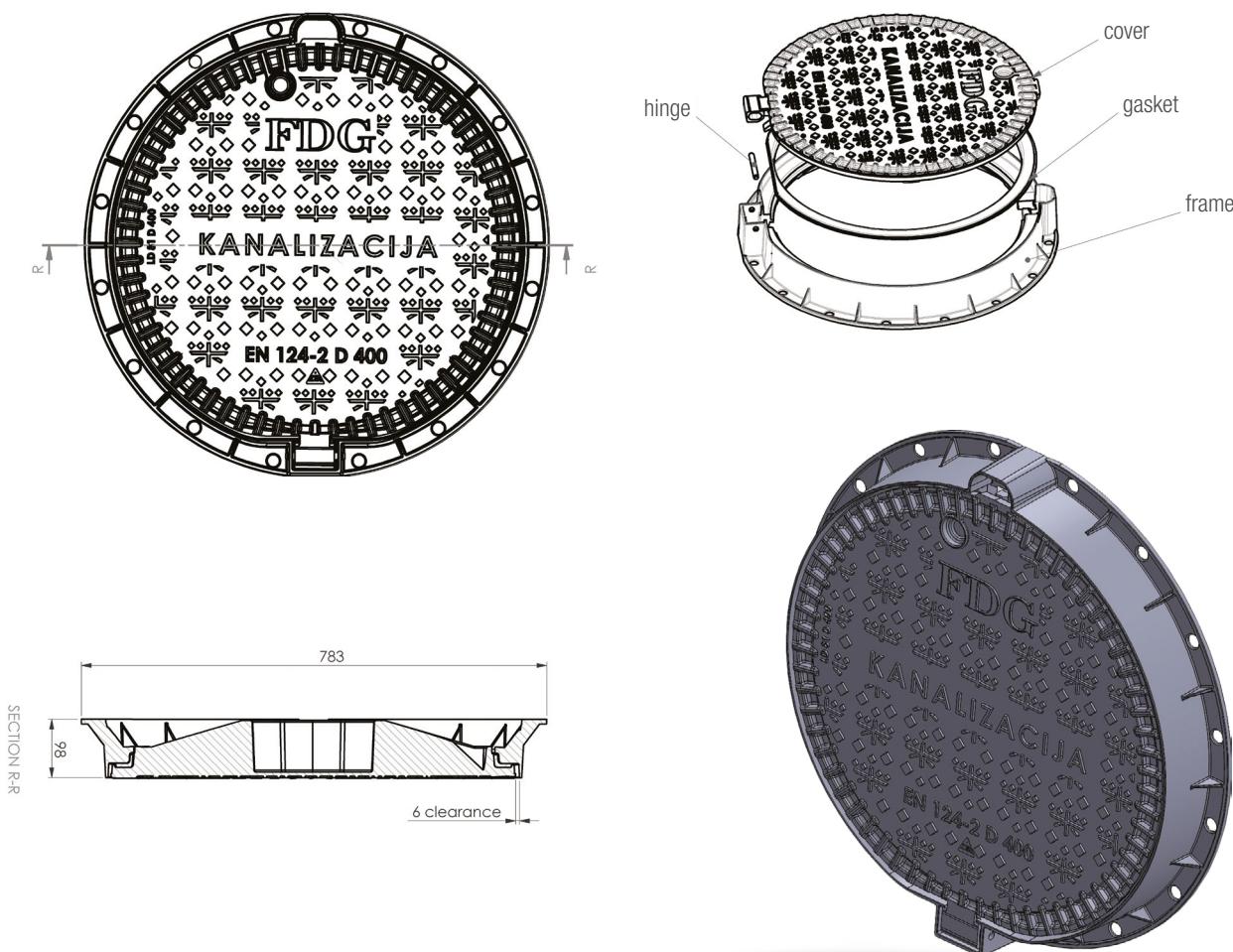


D 400

## MANHOLE COVER

round

Cover made of nodular cast iron EN GJS-500-7 (EN 1563), with corresponding frame, EPDM gasket L-profile on the cover. The new type of cover opens up to 130°, and locks at 90° to protect the user from accidental closure. The stability and quietness of the cover are guaranteed with the new EPDM gasket installed on the cover itself, which is more resistant to wear compared to conventional PE gaskets. When driving over the cover, popping out is prevented with an automatic spring and stainless steel hinge. The cover can be in two versions, non-ventilated and ventilated.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



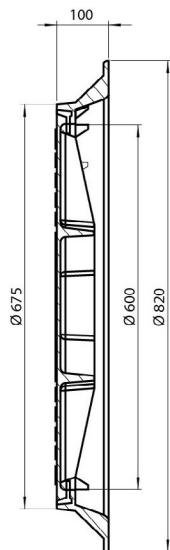
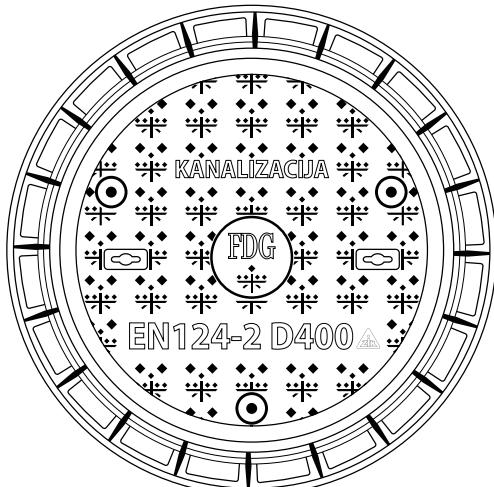
Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
605P-L	Ø 785	Ø 600	Ø 605	100	57.8



## MANHOLE COVER

round

Round cover Ø600mm, lw=603 mm, for installation on roads with normal traffic intensity and speed, made of nodular cast iron EN GJS 500-7(EN 1563), round, with a round frame. The frame seating is lined with a water-proof insert made of synthetic elastomer hardness approximately 70° (Shore A), for proper seating and impact resistance. Load class D400, with three manual locks / closures that provide gas-tightness and water-tightness for underground and surface water up to 2 bars, which are completely safe from lifting due to traffic and prevent the cover from being stolen, without a hinge for opening, with two hermetically sealed lifting holes. The outer diameter of the cover frame is 820mm, frame height 100mm.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

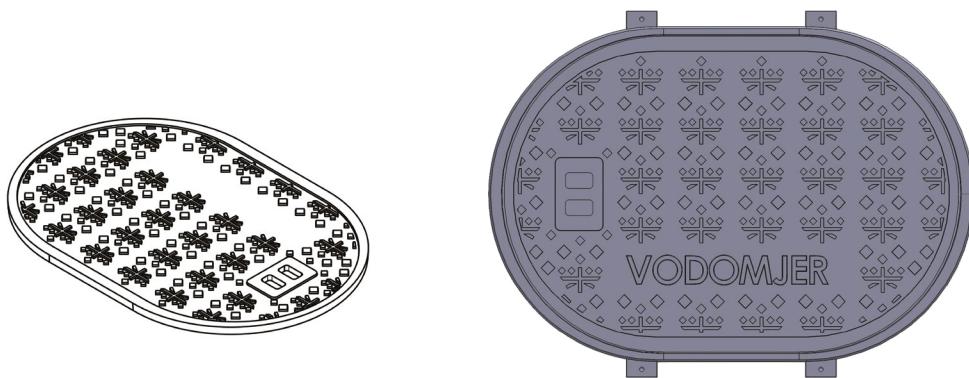
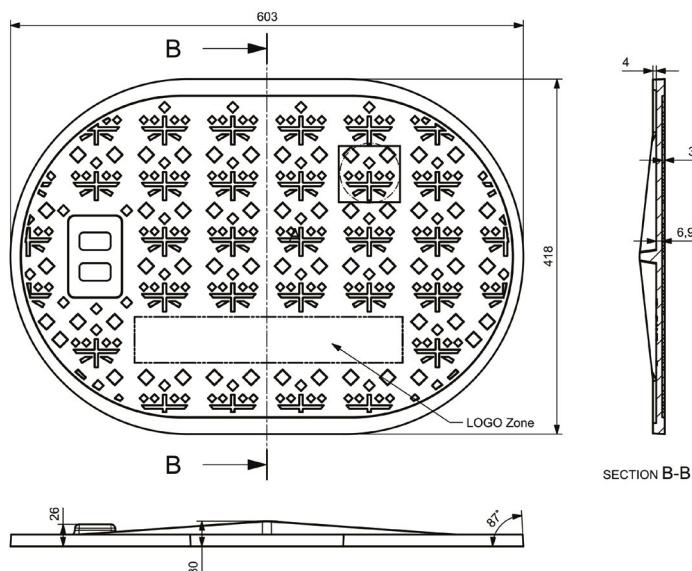


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
606	Ø 820	Ø 675	Ø 600	100	61.20

## CANALISATION TOP

waterworks

Elliptical cover without frame, intended for installation on PVC meter boxes.



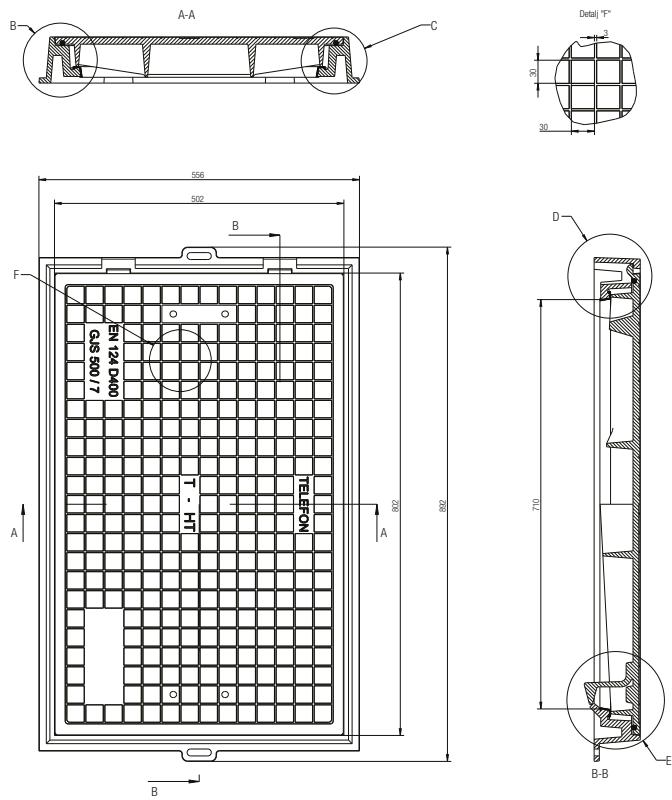
All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



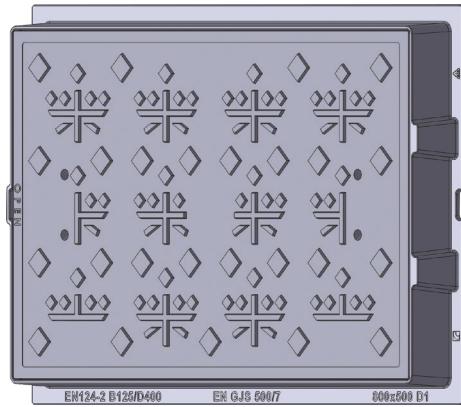
Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
620	638 x 438	620 x 420	Ø 400	55	24.00

B 125 D 400

## TELEFONIC D1



DTK D1 Cover,  
800x500mm, single, with corresponding  
frame. Made of nodular cast iron EN GJS  
500-7 (EN 1563). The cover is self-closing  
and is intended for telephone concrete wells  
and blind holes for lifting with a hook. It  
includes a noise-absorbing insert.



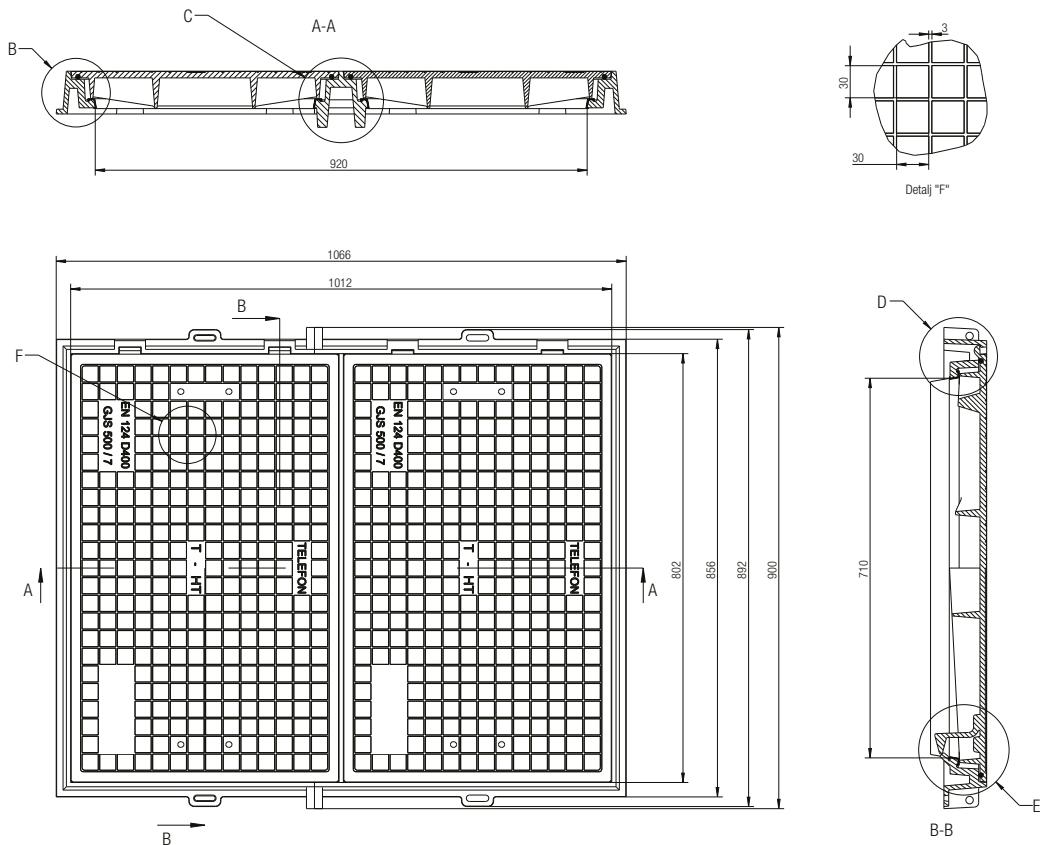
All the products are protected with temperature and corrosion-proof protective paint,  
which contains no elements which are harmful for drinking water.



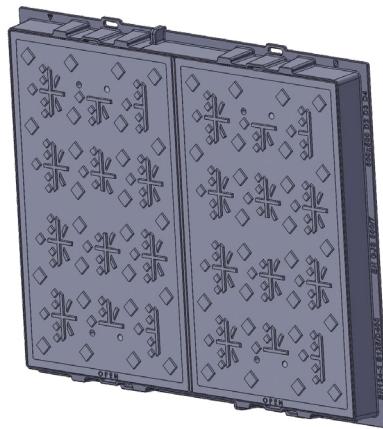
Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
851	B 125	892 x 556	802 x 502	700 x 460	80	57.12
856	D 400	892 x 556	802 x 502	700 x 460	80	65.28

B 125      D 400

## TELEFONIC D2



DTK D2 cover,  
800x500mm, double, with the corresponding frame.  
Made of nodular cast iron EN GJS 500-7 (EN 1563).  
The cover is self-closing and is intended for telephone  
concrete shafts and blind holes for lifting with a hook.  
The D2 channel cover consists of two covers art. 851  
and two half-frames that are joined by screws and one  
cross side, forming a cover for a telephone concrete  
shaft 800x1000mm. Noise-reducing insert.



All the products are protected with temperature and corrosion-proof protective paint,  
which contains no elements which are harmful for drinking water.

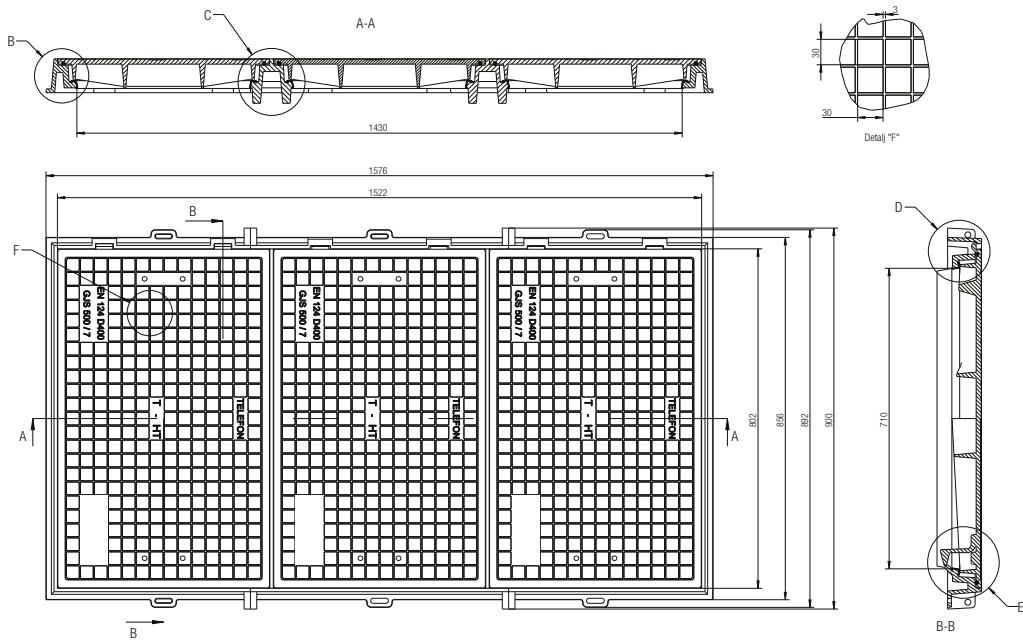


Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
852	B 125	1066 x 892	802 x 1012	710 x 920	80	121.38
857	D 400	1066 x 892	802 x 1012	710 x 920	80	135.35



B 125      D 400

## TELEFONIC D3



DTK D3 cover,  
800x500mm, triple, with the corresponding  
frame. Made of nodular cast iron EN GJS  
500-7 (EN 1563). The cover is self-clos-  
ing and is intended for telephone shafts  
and blind holes for lifting with a hook. The  
D3 channel cover consists of three covers  
art.851 and two half-frames that are joined  
by screws and two cross sides, forming  
a cover for a telephone concrete shaft  
800x1500mm. Noise-reducing insert.



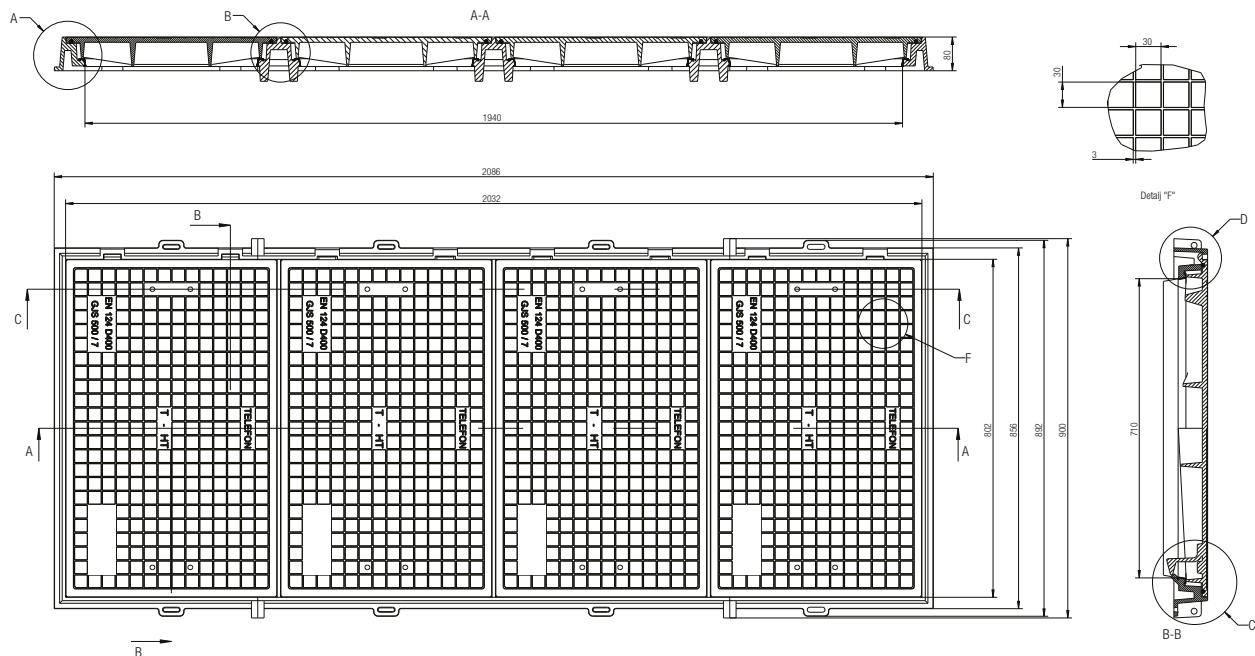
All the products are protected with temperature and corrosion-proof protective paint,  
which contains no elements which are harmful for drinking water.



Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
853	B 125	1576 x 892	1522 x 802	1430 x 710	80	179.52
858	D 400	1576 x 892	1522 x 802	1430 x 710	80	206.55

B 125 D 400

## TELEFONIC D4



DTK 04 cover,  
800x500mm, quadruple, with  
the corresponding frame. Made  
of nodular cast iron EN GJS  
500-7 (EN 1563). The cover  
is self-closing and is intend-  
ed for telephone shafts. The  
D4 channel cover consists of  
four covers art.851 and two  
half-frames that are joined by  
screws and three cross sides,  
forming a cover for a telephone  
concrete shaft 800x2000mm.  
Noise-reducing insert.



All the products are protected with temperature and corrosion-proof protective paint,  
which contains no elements which are harmful for drinking water.



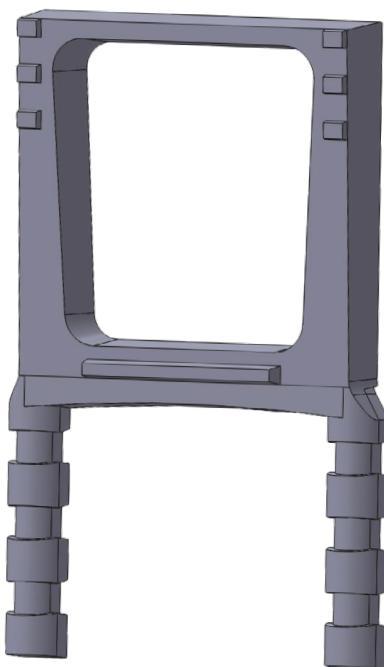
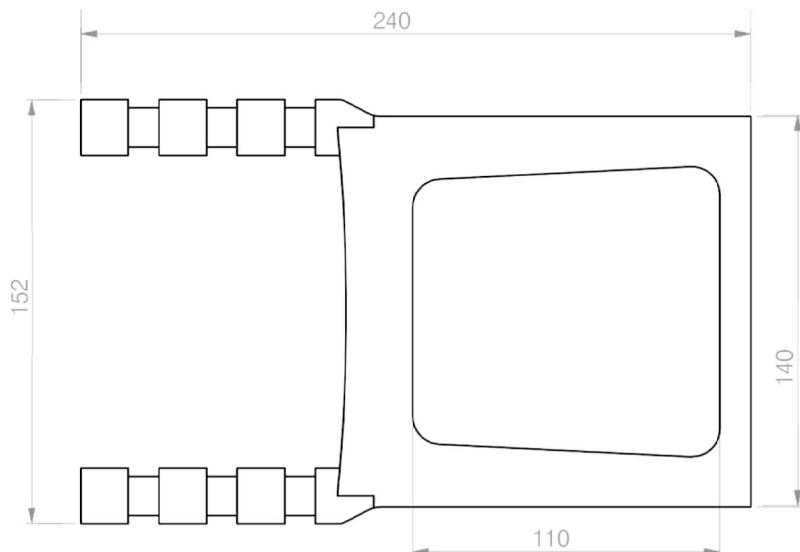
Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
854	B 125	2086 x 892	2032 x 802	1940 x 710	80	225.22
859	D 400	2086 x 892	2032 x 802	1940 x 710	80	263.16

# SEWER CHANNELS AND DRAINS



**FDG** EXPORT CO.  
DMCC DUBAI

## CLIMBER



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All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

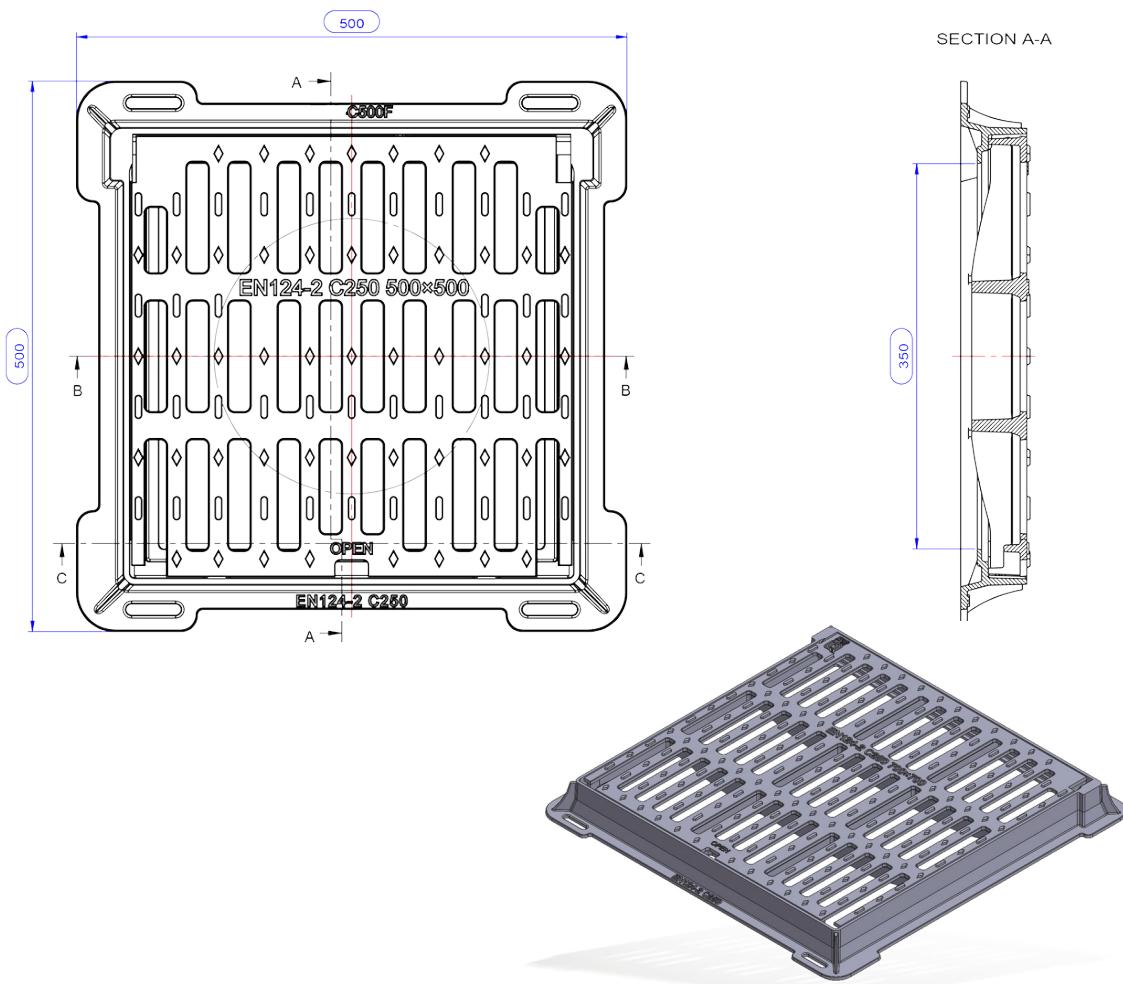
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C 250      D 400

## SEWAGE GRATING

flat

Ductile cast-iron gully grating and frame, locked with two elastic bars, certified by Quality Testing Institute Zagreb as per EN 124-2:2015, bitumen coated.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

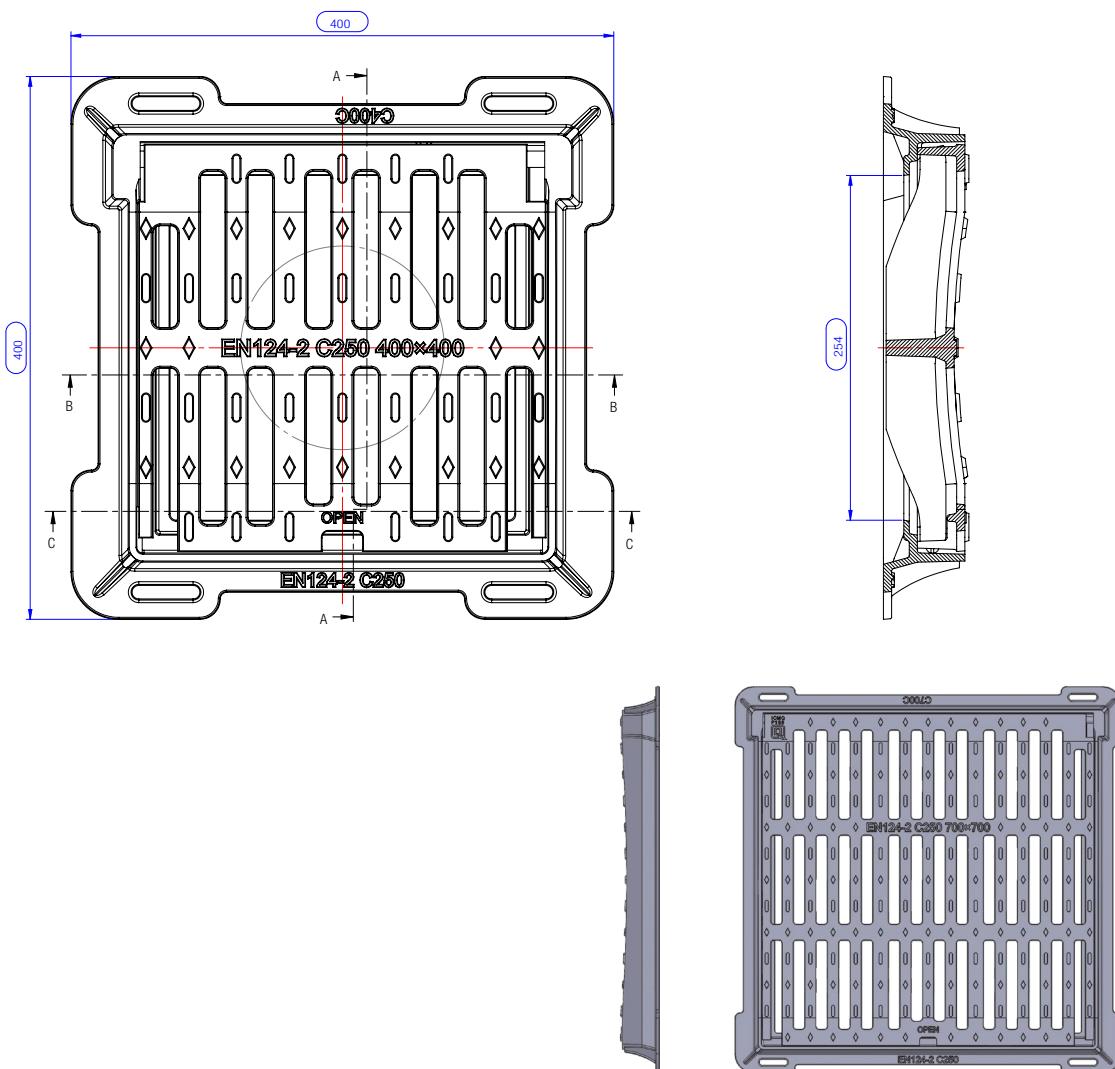


Article	kN	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-C300F	C 250	300 x 300	232 x 232	201 x 201	40	6.12
FDG-C400F	C 250	400 x 400	300 x 300	254 x 254	60	13.46
FDG-C500F	C 250	500 x 500	400 x 400	350 x 350	60	20.20
FDG-C600F	C 250	600 x 600	500 x 500	454 x 454	60	29.07
FDG-C700F	C 250	700 x 700	600 x 600	554 x 554	65	40.19
FDG-D500F	D 400	500 x 500	400 x 400	350 x 350	80	26.42
FDG-D600F	D 400	600 x 600	500 x 500	450 x 450	80	35.29
FDG-D700F	D 400	700 x 700	600 x 600	550 x 550	80	47.94

## SEWAGE GRATING

concave

Ductile cast-iron concaved gully grating and frame, locked with two elastic bars, certified by Quality Testing Institute Zagreb as per EN 124-2:2015, bitumen coated.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

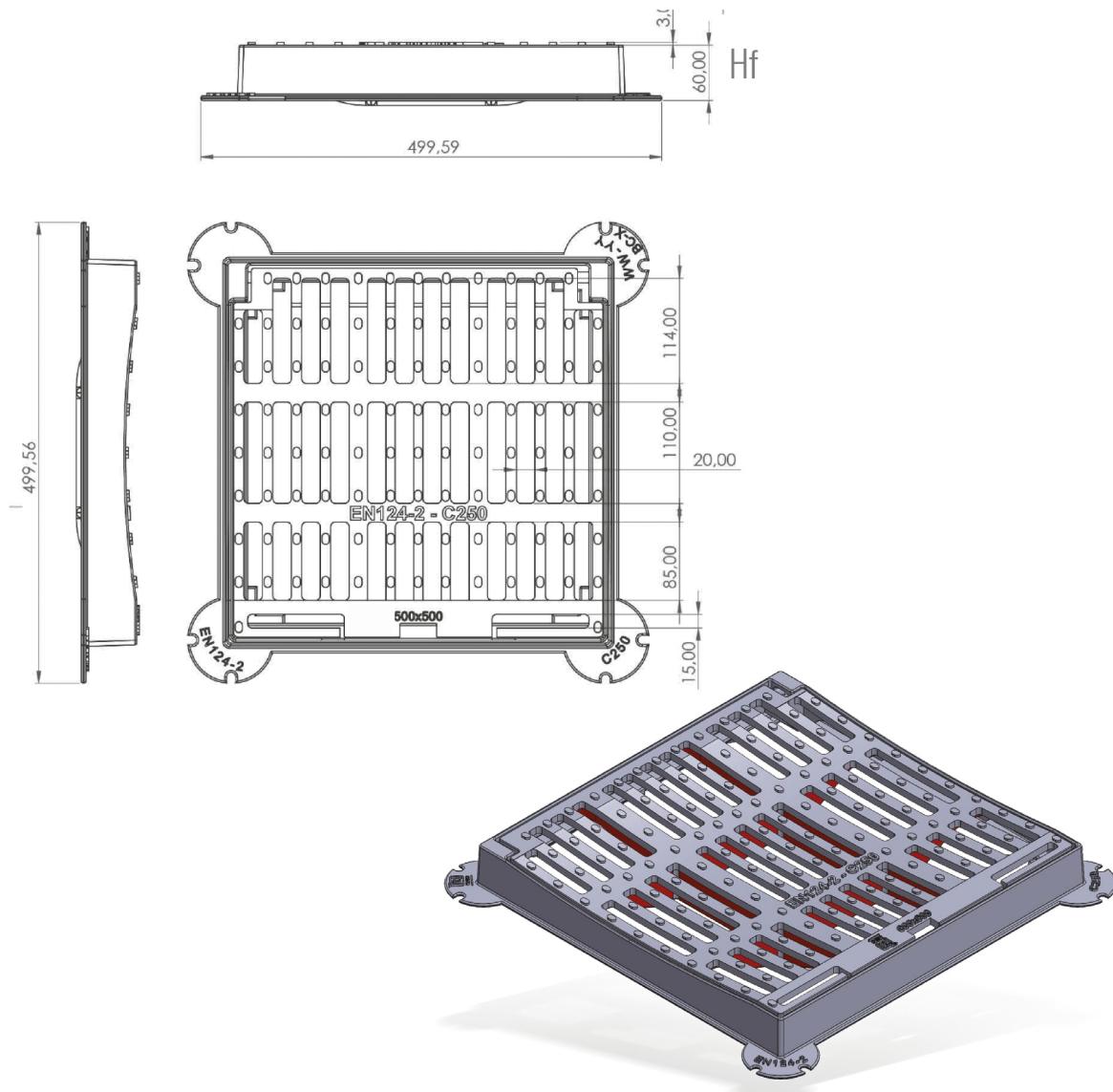


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-C300C	300 x 300	232 x 232	201 x 201	40	5.92
FDG-C400C	400 x 400	300 x 300	254 x 254	60	13.36
FDG-C500C	500 x 500	400 x 400	350 x 350	60	19.99
FDG-C600C	600 x 600	500 x 500	454 x 454	60	27.85
FDG-C700C	700 x 700	600 x 600	554 x 554	65	39.47

## SEWAGE GRATING

concave

Ductile cast-iron concaved gully grating and frame, locked with two elastic bars, certified by Quality Testing Institute Zagreb as per EN 124-2:2015, bitumen coated.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

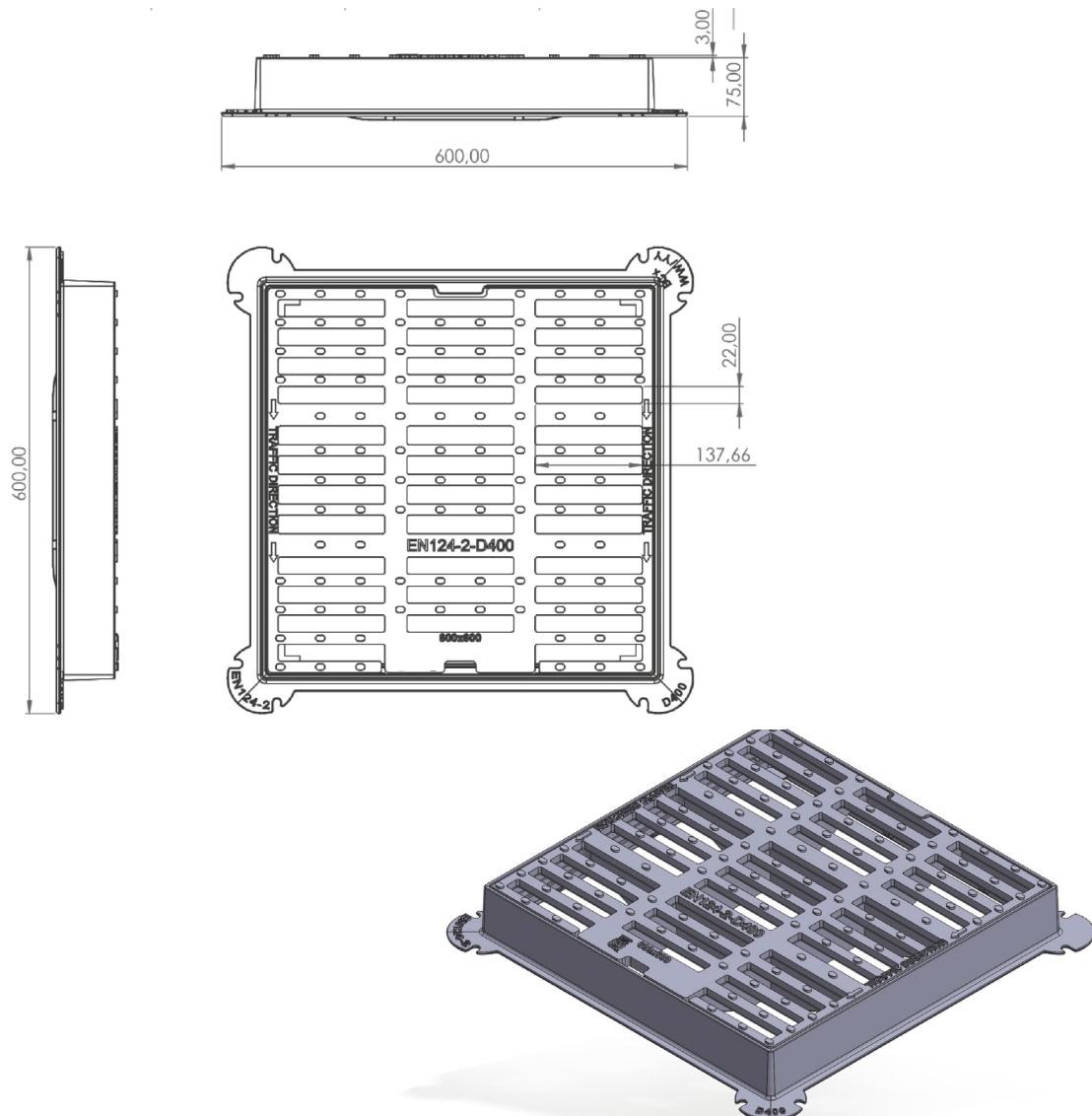


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-CA400C	400 x 400	300 x 300	270 x 270	60	13.57
FDG-CA500C	500 x 500	400 x 400	370 x 370	60	20.81
FDG-CA600C	600 x 600	500 x 500	470 x 470	60	27.54
FDG-CA700C	700 x 700	600 x 600	570 x 570	60	39.78

## SEWAGE GRATING

flat

Ductile cast-iron gully grating and frame, locked with two elastic bars, certified by Quality Testing Institute Zagreb as per EN 124-2:2015, bitumen coated.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

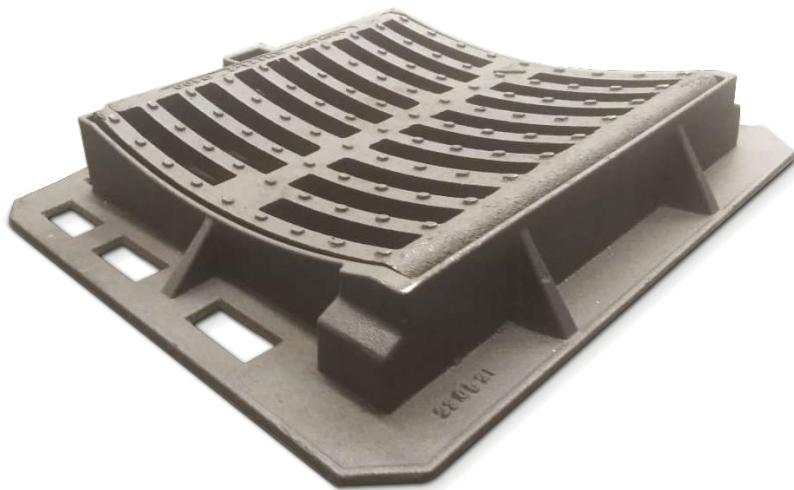
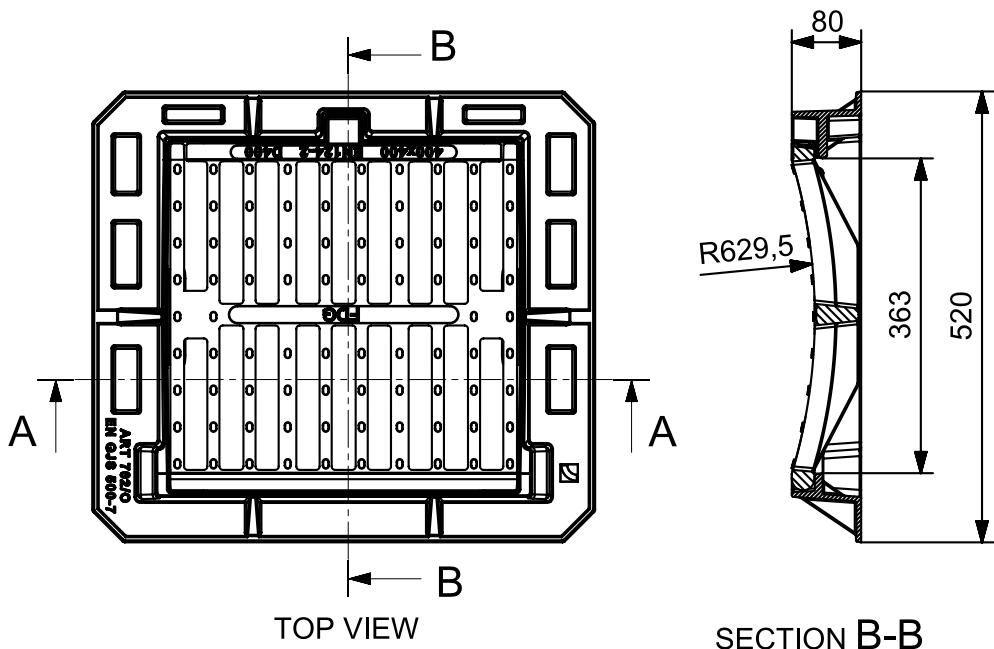


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-DA500F	500 x 500	400 x 400	372 x 372	75	26.93
FDG-DA600F	600 x 600	500 x 500	472 x 472	75	36.21
FDG-DA700F	700 x 700	600 x 600	572 x 572	75	47.94

## SEWAGE GRATING

concave

Square oval channel grating 400x400mm, with corresponding frame made of nodular cast iron EN GJS 500-7 (EN 1563). The grating is self-closing and secured against theft.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.

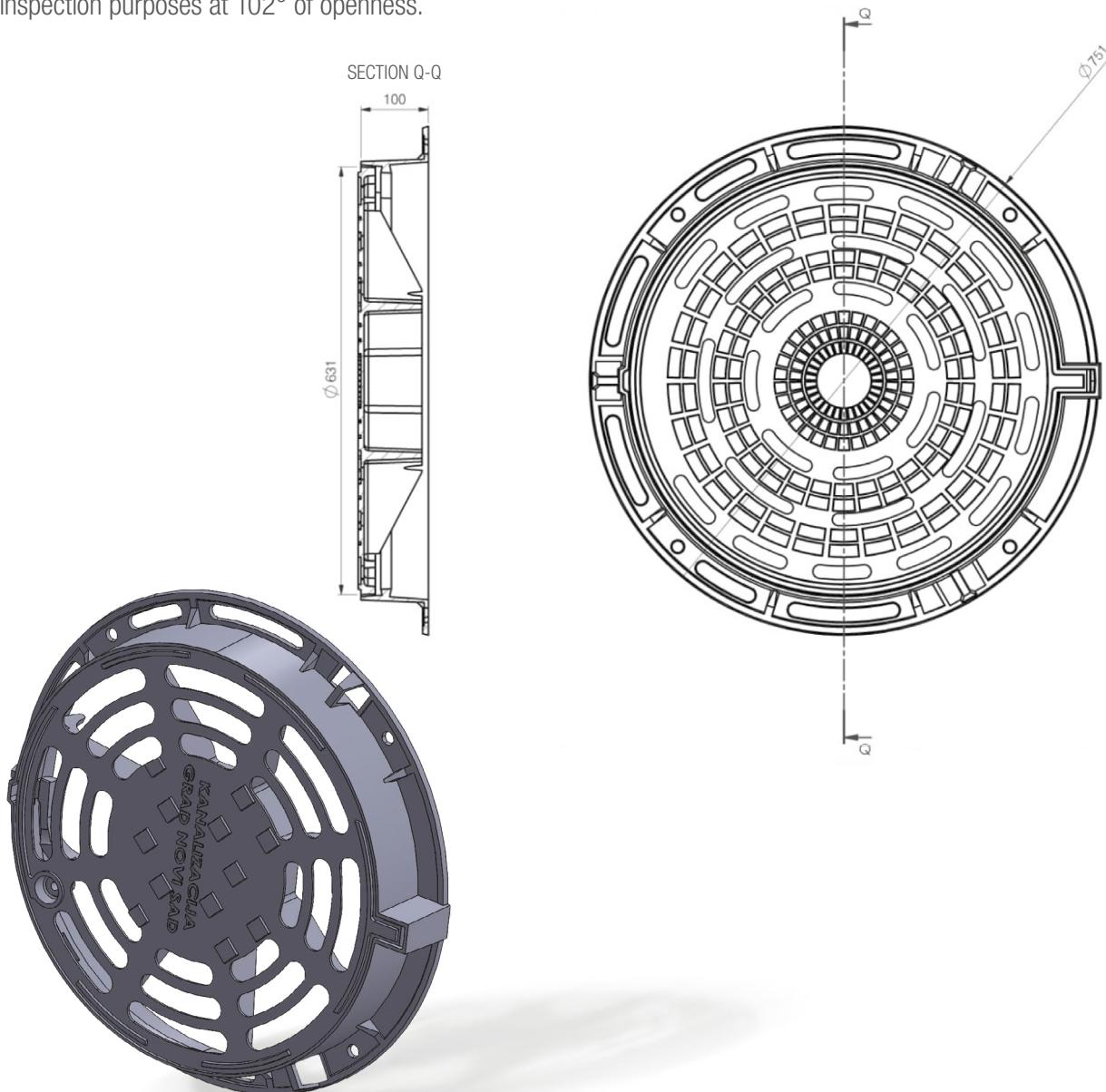


Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
702/0	558 x 522	408 x 408	370 x 370	82	27.54

## CHANNEL GRATING

round

Round grate in a circular frame, with a replaceable shock-absorbing insert placed horizontally in the frame housing. Elastic locking springs that do not require maintenance and are completely secure from lifting due to traffic, preventing theft of the cover, with a hinge and a safety position at 75°, detachable at 90° and for inspection purposes at 102° of openness.



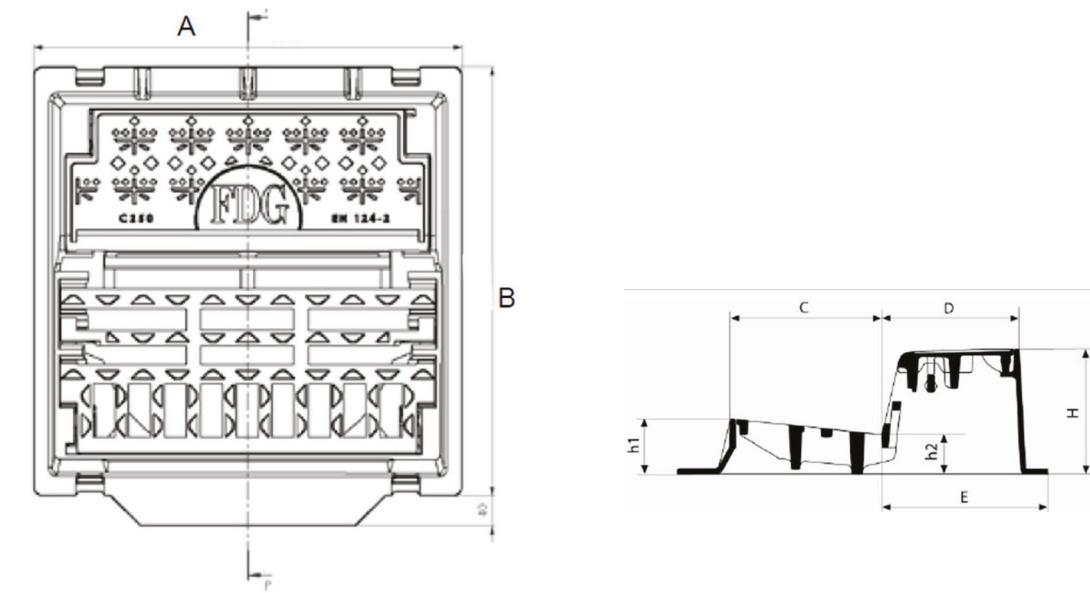
All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
607	Ø 751	Ø 631	Ø 603	100	41.82

## EDGE GRATING

Grate for installation in curbs, easily removable grate for easier maintenance of the window.



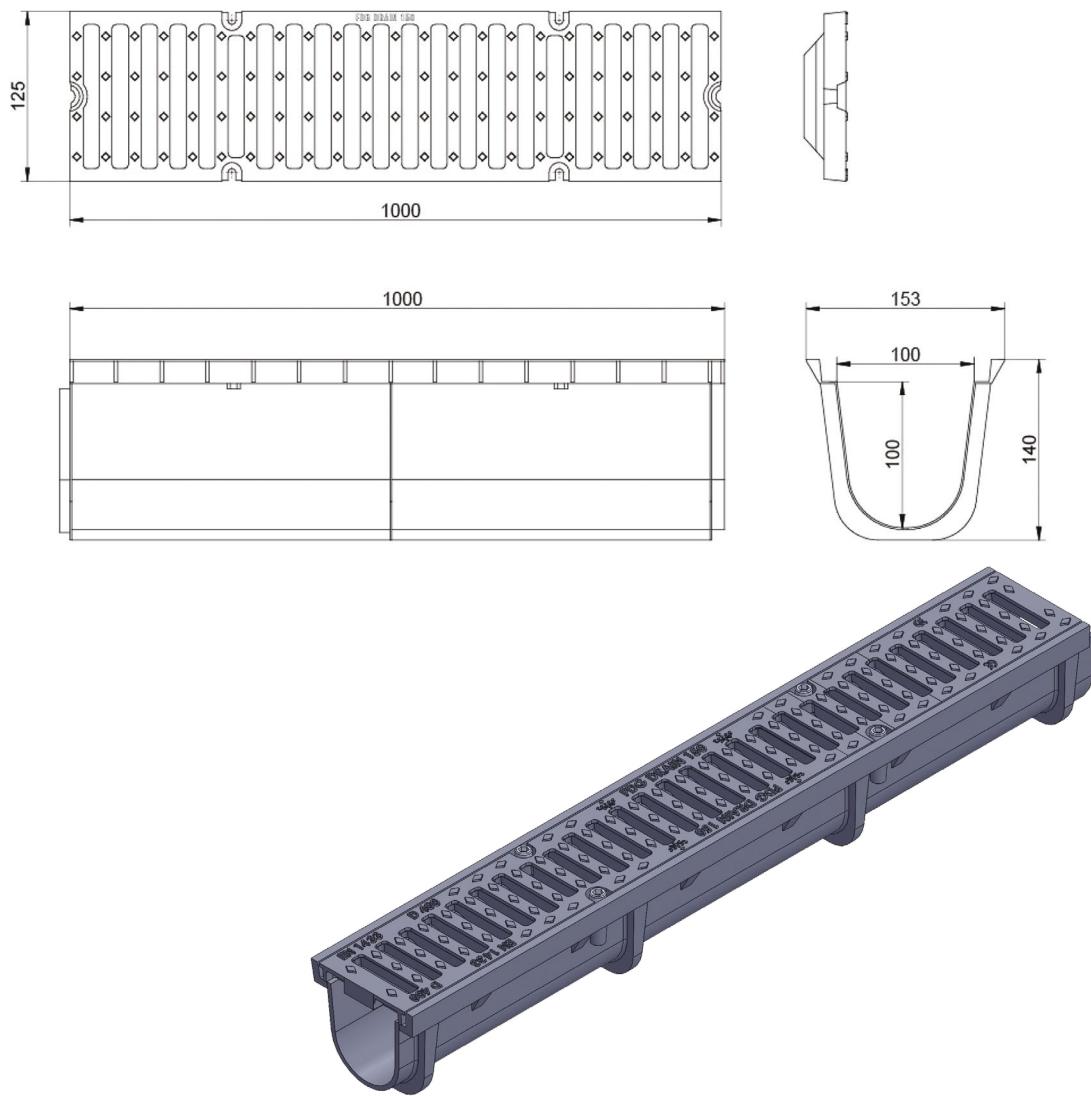
All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	A mm	B mm	C mm	D mm	E mm	H mm	h1 mm	h2 mm	KG
FDG-EG-C6050	570	610	250	225	273	205	90	65	56.10

## CHANNEL 150-300

Channel with corresponding grate, secured from popping out of the socket with 4 screws.



All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



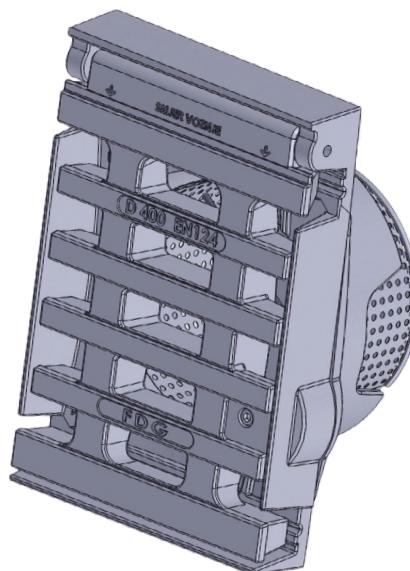
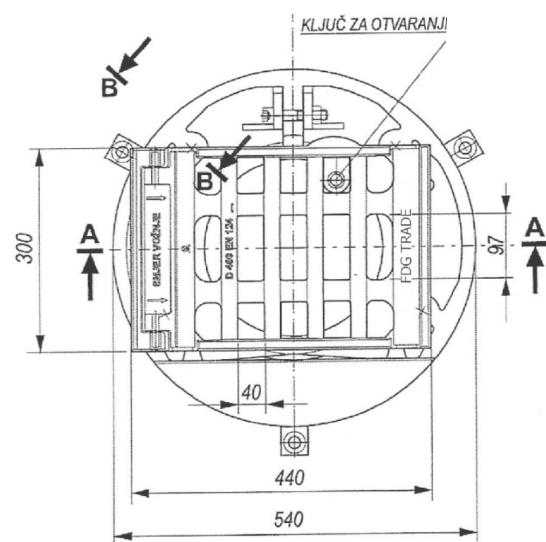
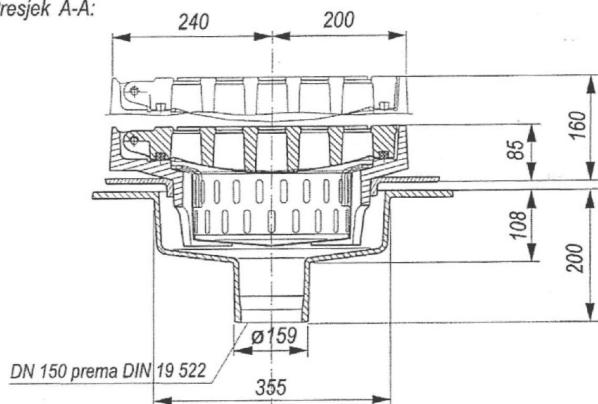
Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
CHANNEL 150	1000 x 153	1000 x 125	1000 x 100	140	30.80
CHANNEL 200	1000 x 232	1000 x 205	1000 x 175	210	46.92
CHANNEL 300	1000 x 340	1000 x 311	1000 x 283	240	76.50

## SEWAGE GRATING

vertical

Manhole cover 440x300mm D400 with vertical outlet, DN150, screwless locking system, height-adjustable grate 8.5-16.0 - possible adjustment of lateral inclination, opening of the grate up to 110°, anti-slamping insert in the frame, debris basket, flange for clamping insulation with drainage holes. Made of nodular cast iron EN GJS 500 (EN 1563).

Presjek A-A:



Presjek B-B:



Applications: bridges, tunnels

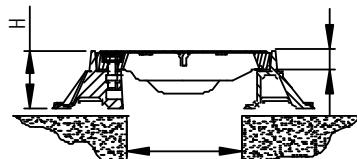
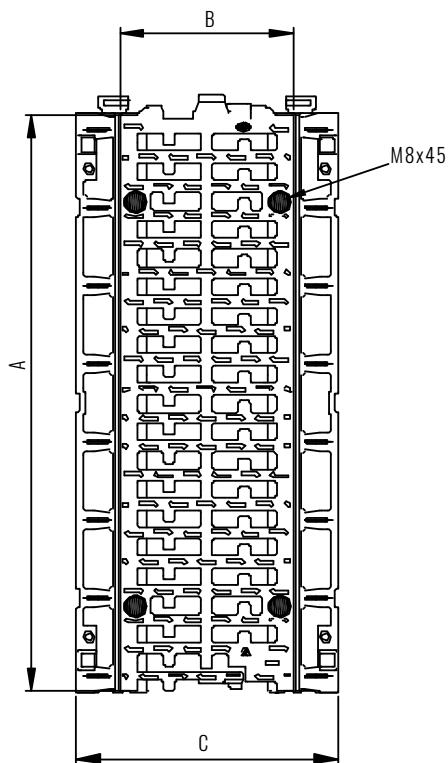
All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	Frame Dimensions mm	Culvert Surface cm <sup>2</sup>	Adjustable height mm	KG
440V	440 x 300	530 cm <sup>2</sup>	8,5 - 16,0	76,40

## SEWAGE CHANNEL GRATING

Grate (flat) for linear installation with accompanying sides, made of nodular cast iron EN GJS 500-7 (EN 1563). The grate is locked into the frame using 4x M8x45 hex screws, and connecting two sets in a line is done with a "click-clack" system.

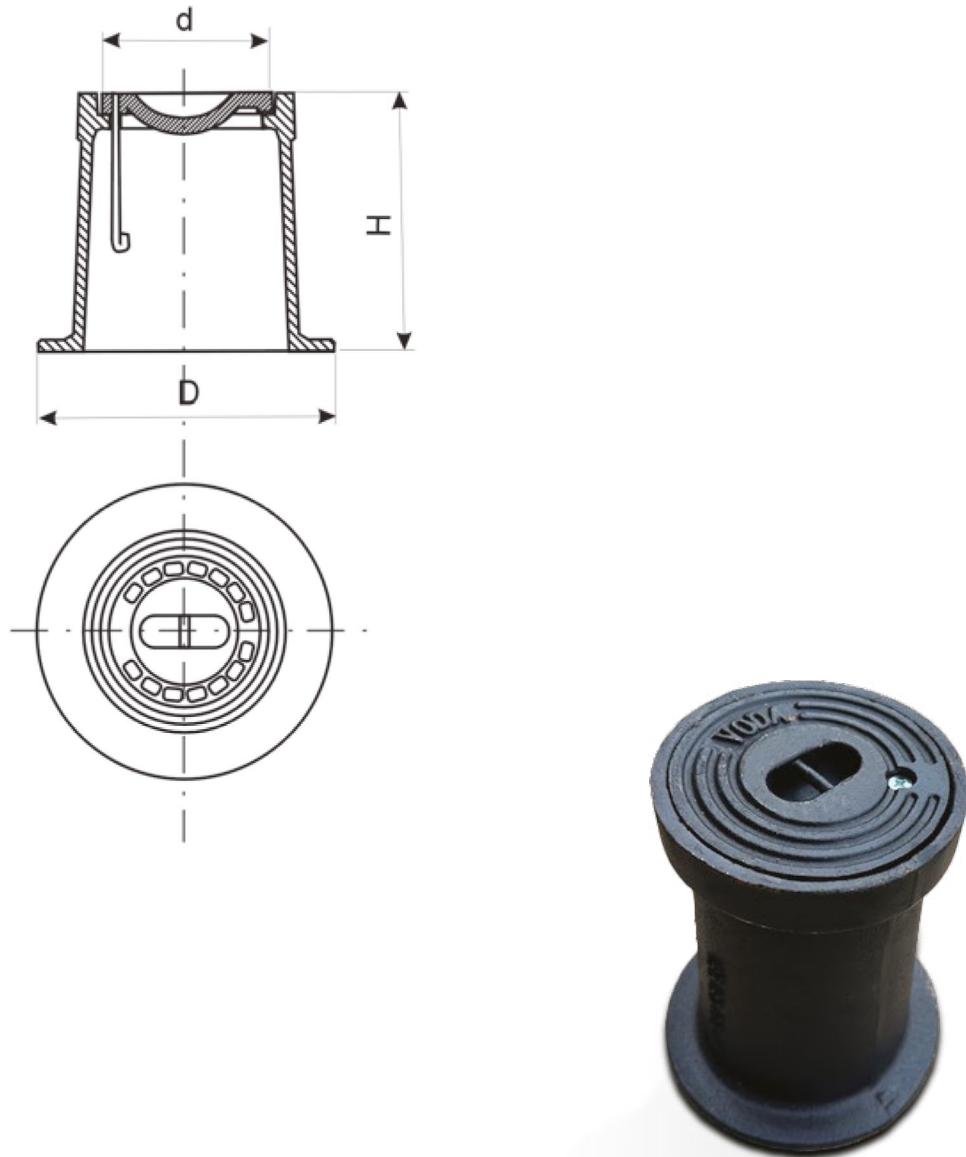


All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
FDG-3050	500 x 360	500 x 300	260	70	13.50
FDG-4050	500 x 460	500 x 400	360	70	20.00
FDG-5050	500 x 560	500 x 500	460	70	27.00

## ROUND CAP

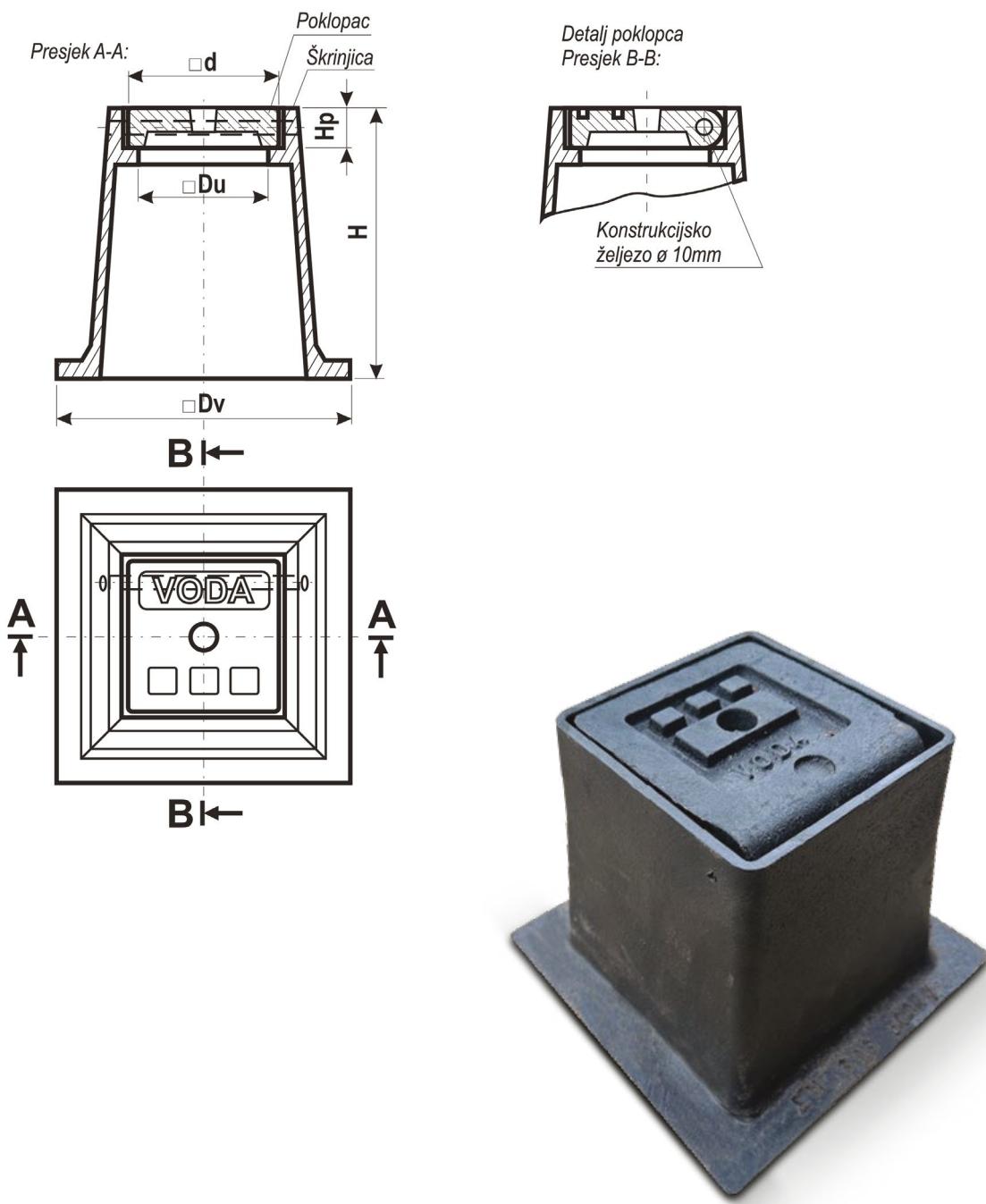


All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	Nominal Dimensions mm	d mm	D mm	H mm	KG
Art. 90	90	90	150	173	2.75
Art. 125	125	125	180	200	5.71
Art. 200	200	180	275	150	10.71

## STREET VALVE BOX



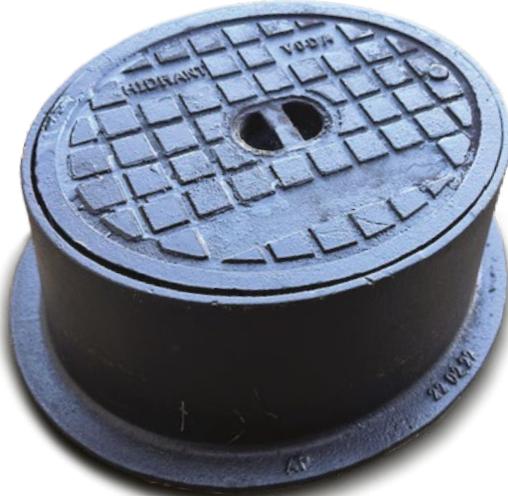
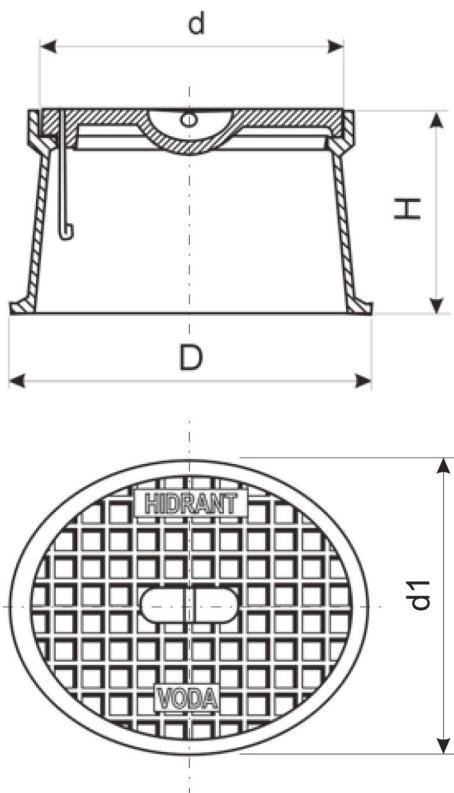
All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
303	240 x 222	130 x 130	100	222	11.42



## CAP FOR UNDERGROUND HYDRANT



Norm:

DIN 4055-2020-7

HRN EN 1563:2018

All the products are protected with temperature and corrosion-proof protective paint, which contains no elements which are harmful for drinking water.



Article	Frame Dimensions mm	Cover Dimensions mm	Clear Opening mm	Frame Depth mm	KG
302	440 x 365	Ø 310	295	240	21.42

## CERTIFICATES OF COMPETENCY - INDUSTRY ACCREDITATION

**CERTEKNIČKO TIJELO**  
Certična građevna inspekcijska  
**CERTIFICATION BODY**  
*Certification of construction products*

**Zavod za ispitivanje kvalitete d.o.o.**  
Quality Superintending Company Ltd.

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**1612/ZCP-747 rev. 2**  
English translation

In compliance with the Construction Products Act (Official Gazette 35/13, 30/14, 130/17, 39/19; Ordinance on certification bodies, documents of conformity and conformity procedures on the market of construction products (Official Gazette 118/19); Technical regulation on construction products (Official Gazette 35/18, 104/19). Appendix I it has been stated that the construction product:

Mahniće covers and inspection chamber covers for traffic and pedestrian areas, ventilated and non-ventilated, made of ductile and grey cast iron, load class A15/D400, according to the table in the annex

Placed on the market by:  
**FDG TRADE d.o.o.**  
Bulevar Vojvode Stepe Stepanovića 181c, 78000 Banja Luka, BiH

Made by:  
**CHAUFFAGEKAR Industrial Co.**  
No. 180, Taleghani Ave., Teheran, Iran

In production plants:  
**CHAUFFAGEKAR Industrial Co.**  
3rd Km of Abhar Old Road, Takestan, Iran

It is hereby certified that the product characteristics are in conformity with requirements of the following standards:

**HRN EN 124-1:2015, HRN EN 124-2:2015**

And that for Aut-System I manufacturer maintains factory control and further testing of samples taken at the factory in accordance with prescribed test plan and that authorized certification body ZTI d.o.o. has performed verification for the relevant characteristics of the products based on tests (including sampling, calculation, table values or product documentation), initial inspection of factory and of factory production control and performs continuous surveillance, inspection, assessment and verification of factory production control.

This certificate was first issued on January 09 2018, based on satisfactory initial inspection report of factory and factory production control and remains valid as long as the conditions laid down in the technical specification in reference to the manufacturing conditions at the factory or if the FPC itself is not modified significantly.

Authorised legal entity: ZAVOD ZA ISPITIVANJE KVALITETE d.o.o., Gajeva 17, Zagreb  
Registration number of the authorized entity: 1612/19  
Authorisation: Class: UPN-360-0121-083, Reg. no: 531-04-2-1-2-2-1-7

RR 22/11/2022

Zagreb, 15.11.2022.



Authorised Person:  
Darija Vučković, dipl. ing.

CERTIFIKACIJSKO TIJELO  
Certifikacija građevnih proizvoda  
CERTIFICATION BODY  
Certification of construction products

Zavod za ispitivanje kvalitete d.o.o.  
Quality Superintending Company Ltd.

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

English translation

1612-ZGP-831

In compliance with the Construction Products Act (Official Gazette 76/13, 39/14, 130/17, 39/19, 116/20),  
Ordinance on certification bodies, documents of conformity and conformity procedures on the market of  
construction products (Official Gazette 118/19), Technical regulation on construction products (Official  
Gazette 35/18, 104/19) - Appendix I it is stated that the construction product

### Gully tops and manhole tops for vehicular and pedestrian areas

made of metal cast iron EN-GJL-300-7

- technical data in the Appendix.

Placed on the market by

FDG Export Co DMCC,

1309-06 Tiffany Towers, Jumeirah Lake Towers, Dubai, UAE

manufactured by

Plasma Alloys PVT LTD,

Plasma Gate, Survey No.196, N.I.27, Gondal Road (Plasma Road),Veraval (Shaper)

Dat. Rajkot - 360244, Gujarat (India)

in production plant

Plasma Alloys PVT LTD,

Plasma Gate, Survey No.196, N.I.27, Gondal Road (Plasma Road),Veraval (Shaper)

Dat. Rajkot - 360244, Gujarat (India)

It is hereby certified that the product characteristics are in conformity with requirements of the following standards.

HRN EN 124-1:2015, HRN EN 124-2:2015

And that for AoC System 1 manufacturer maintains factory production control and further testing of samples taken at the factory in accordance with prescribed methods and test methods, the certification body ZRK d.o.o. has performed verification for the relevant characteristics of the products based on the standard EN 124-1:2010, calculation, table values or product documentation; initial inspection of factory and of factory production control and performs continuous surveillance, inspection, assessment and verification of factory production control.

This certificate was first issued on 17.12.2023, based on satisfactory initial inspection report of factory and factory production control and remains valid as long as the conditions laid down in the technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Authorised certification body: ZAVOD ZA ISPITIVANJE KVALITETE d.o.o. Gajeva 17, Zagreb

Authorisation No.: 1612

Licence: Klisa: UP-360-01/21-063, Ubrug: 531-04-22-217

RN 23/1095

Zagreb, 17.10.2023.

Authorized person:

Darío Pušnikšek, dipl. ing.

pitivanje kvalitete d.o.o.  
rinting Company Ltd.

## APPENDIX

	Load Class
#1)	D400 ventilation cover with inspection insert that is cover in the frame, frame are active part
#2)	C250 ventilation cover with inspection insert that is cover in the frame, frame are active part
3)	D400 made of losing and resistant elements

e certificate of

person:  
misak, dipl. ing.

BR. 1.08.110 rev. C

Ujedinstveni Gaj: 17/100, 10000 Zagreb, Hrvatska • Tel +385 1 4066 777 • Fax +385 1 000 700 • info@zkk.hr • www.zkk.hr

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Under the Code L7000, 10000 Zagreb, Hrvatska • Tel +385 1 4066 777 • Fax +385 1 000 700 • info@zkk.hr • www.zkk.hr

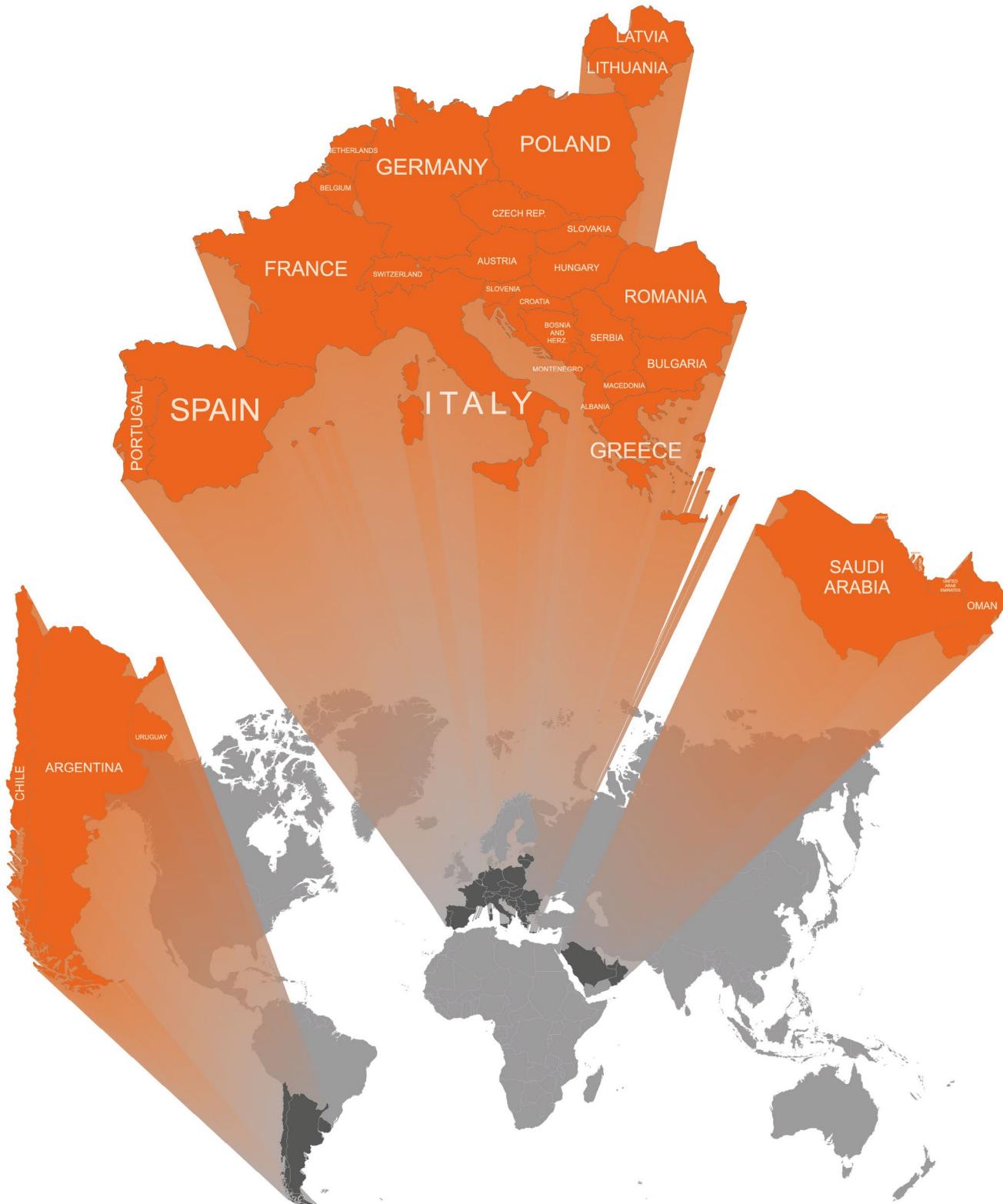
 <p><b>CERTIFIKACIJSKO TIJELO</b> Certificacija građevnih proizvoda <b>CERTIFICATION BODY</b> Certification of construction products</p>	 <p>Zavod za ispitivanje kvalitete d.o.o. Quality Superintending Company Ltd.</p>
<b>CERTIFIKAT KATOLNOSTI SVOJSTVA</b>	
<b>16/12-ZGP-781 Rev. 1</b>	
<p>Sukladno Zakonu o građevnim proizvodima (NN 76/13, 30/14, 130/17, 39/19, 118/20), Pravilniku o tijelima, dokumentaciji i postupcima tržišta građevnih proizvoda (NN 118/16), Tehničkom propisu o građevnim proizvodima (NN 35/18, 104/19) - Prilog 1 utvrđeno je da je građevni prizvod:</p>	
<b>POKLOPKOZ SLJIVNIKE I KONTROLNA OKNA ZA PROMETNE I PJEŠAČKE POVRŠINE</b> od modularnog ljeva - EN GJS 500+ / razred nosivosti C250-D400, prema tablici u prilogu	
koje je na tržište stalo: <b>FDG TRADE d.o.o. B.V.S. Stepanovića 161 C</b> <b>78000 Banja Luka, Bosna i Hercegovina</b>	
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<p>Ovim se certifikat potvrđuje da su ispunjene sve odredbe koje se odnose na ocjenjivanje i provjeru stamtoni svojstava građevnih proizvoda opisane u normama:</p>	
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<p>I da su sastavljeni i provjereni standardi svojstava: 1 provršavajući kontroli tvorničke proizvodnje i daljnje ispitivanje u zračnoj rezervi i u proučavanju i analizi materijala i proizvoda, da je građevni prizvod u skladu s tehničkim propisom, sveuglavu građevni prizvod koji se prima na temelju ispitivanja, uključujući i provjera, izmjeravanje, tražbeni ispitivanje ili opisne dokumentacije proizvoda, početni pregled proizvodnog pogona i kontrolne ponude proizvođača i da je preduziman kontroli, nadzor, ocjenjivanje i verificiranje kontrole tvorničke proizvodnje.</p>	
<p>Certifikat je prije putan 25.05.2020. - ostaje valjan do sada se blago ne promjenje ispisne metode i/ili zamjena na konstrukciju i/ili materijale i/ili učinkovite svrhe u svakodnevnim delatnostima s tim znakajući proizvoda navedenih u normi i/ako se građevni prizvod i usjeti proizveden u proizvodnjem pogonu nisu bilo mijenjali i sve dok se certifikat ne povrće ili poništi od strane tjelesa za certificiranje proizvoda.</p>	
<p>Ovlaštena prava osoba: ZAVOD ZA ISPIRITVANJE KVALITETE d.o.o., Gegeva 17, Zagreb            Evropskički član: UPH-950-012-1362, Utroug: 531-042-1-2-2-2-7</p>	
	
RN 1486/21 Zagreb, 11.01.2022.	
Odgovorna osoba: Darko Polansčak, dipl. ing.	
<small>potpis i datum i vrativo i</small> <small>certifikata o stalinosti</small> <small>osoba:</small> <small>Šekipl. dipl. Ing.</small>	

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