



PRODUCT CATALOGUE

**Ductile Manhole
C o v e r s**



INTRODUCTION

ABOUT EKF FOUNDRY

With over 40 years of expertise in the casting industry, EKF Foundry has established itself as a trusted and renowned manufacturer of ductile cast iron products. Our reputation is built on three core values: **quality, competitive pricing, and timely delivery.**

Backed by advanced facilities and a highly experienced engineering team—some with more than three decades of industry knowledge—we are equipped to meet the diverse demands of modern infrastructure projects. Our major facilities include two electrical induction furnaces, a dedicated pattern workshop, and two chemical analysis laboratories. Alongside traditional hand molding, we operate two fully automated molding lines, ensuring superior surface finishes and dimensional accuracy. To guarantee reliability, our production process also includes multiple hydrostatic testing presses.

Backed by advanced facilities and a highly experienced engineering team—some with more than three decades of industry knowledge—we are equipped to meet the diverse demands of modern infrastructure projects. Our major facilities include two electrical induction furnaces, a dedicated pattern workshop, and two chemical analysis laboratories. Alongside traditional hand molding, we operate two fully automated molding lines, ensuring superior surface finishes and dimensional accuracy. To guarantee reliability, our production process also includes multiple hydrostatic testing presses.



Our product range covers diameters from **DN65 to DN1800** mm, with nominal pressure ratings of **PN6, PN10, PN16, and PN25**. With this extensive offering, EKF Foundry proudly supports infrastructure requirements across the water supply and wastewater sectors.

Guided by our vision, we strive to become the leading global supplier of ductile cast iron fittings and valves. Our reach already extends to international markets, with successful exports to countries including Algeria and Saudi Arabia.

Cast Iron

Cast iron is a ferrous alloy with carbon content higher than 2%, either loose as graphite OR as iron carbide Fe₃C (cementite). The former is called Grey Iron and the latter white iron. While grey iron is to be preferred to make manhole covers and gratings, white iron is very fragile and hard, so it is not suitable to make utensils.

Grey iron can be either lamellar or ductile cast iron:

Lamellar Cast Iron:

Lamellar cast iron is made up of thousands of plates which interrupt the continuity of the metal matrix and consequently jeopardize its mechanical resistance and make it subject to possible cracking OR braking.

Ductile Cast Iron:

Ductile cast iron is made up of spheroids achieved by introducing suitable quantity of magnesium into the bath before the casting, This gives the product a high breaking load as well as remarkable elasticity.

A comparison between lamellar cast iron and ductile cast iron shows that:

- Ductile cast iron has a higher breaking safety coefficient, since it follows any deformation due to loads without breaking (unlike lamellar cast iron), then returning the original condition after stress.
- To manufacture a product in lamellar cast iron with the same load class as a ductile cast-iron product, you need more mass.
So the product will be heavier with higher shipment and handling costs.
- Ductile cast iron is therefore a very valuable building material: it has as many benefits as lamellar cast iron but it does not have some of its defects. Its mechanical characteristics as similar to those of good-quality steel.



INSTALLATION SECTION

EN 124-2:2015

Class A 15

Test load 15 kN

Walkways, cycling paths, green areas

Class B 125

Test load 125 kN

Walkways, pedestrian zones, car parking areas

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Class D 400

Test load 400 kN

Road surfaces, pedestrian streets

Class E 600

Test load 600 kN

Industry, military, high wheel loads

Class F 900

Test load 900 kN

Airport surfaces, docks, very high wheel loads

1

A 15

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Gully Trap	9
Inspection chamber	10
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2

B 125

From Page

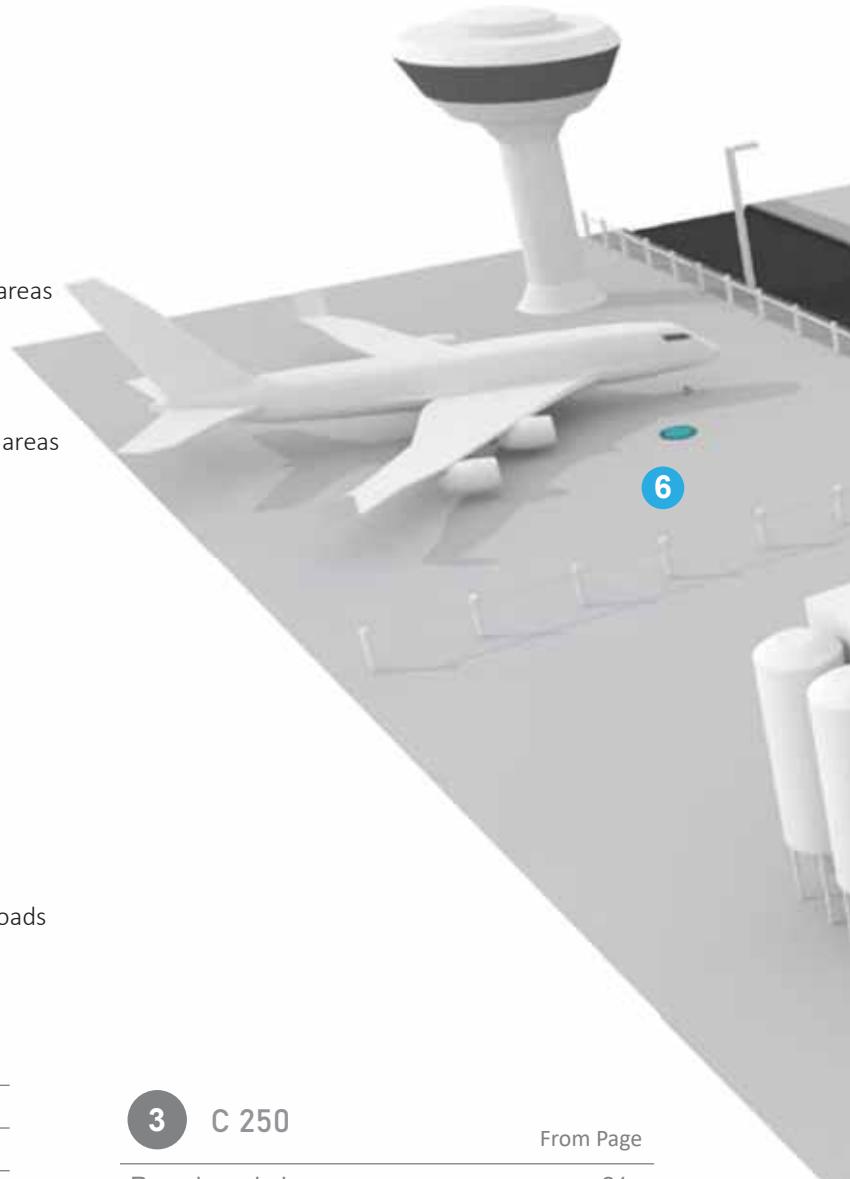
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Double seal inspection chamber	20

3

C 250

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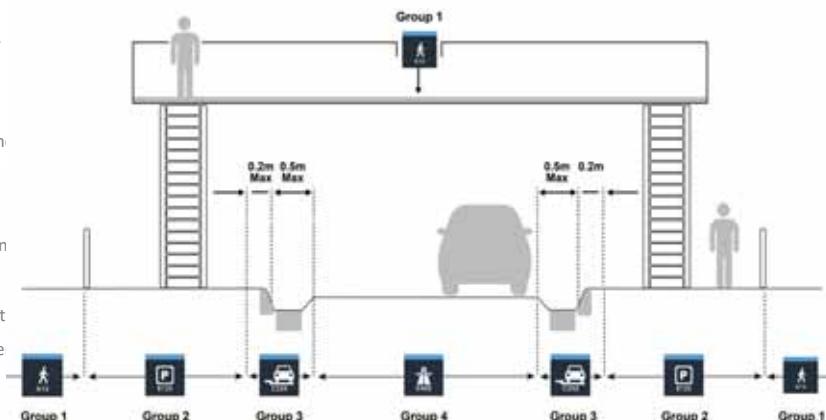


EN 124 defines various test loads for individual load classes. For example, the load class D 400 corresponds to a test force of 400kN. However, it is not entirely possible to evaluate the traffic safety of a cover simply by performing a vertical pressure test.

Traffic safety requirements often differ considerably, especially in the D 400 load class.

For example, the dynamic and static traffic safety requirements for traffic-calmed service roads differ greatly from those of highways and bypasses. This classification is simply a recommendation.

The choice of cover depends on the specific local conditions and is the planner's responsibility. In doubt, you should choose the next higher class.



CERTIFICATES

The concept of the quality in the company must be intended as the “ability to meet the needs of all the stakeholders involved in the processes of production supply and use of products and services:

The customers and/or users, workers, owners and shareholders, suppliers and the community in general are consequently concerned based on the company’s strategies.

EKF was awarded the certificates of compliance with standard ISO 9001 and ISO 45001 by Germanischer Lloyd SE for manufacturing of casting products.

This means that all the company’s processes from the management of resources to the manufacture of the products including the definition of responsibilities, the analysis and improvement of the processes are handled systematically and regularly, and the are aimed to meet customers’ requests and to ensure consistency in the quality of the goods manufactured.



Management System Certification Body No. MSCB-105

CERTIFICATE

No. 23-D-1478 Rev. 0

ELEKHLAS FOUNDRY

EZBET ABU SENA, BEHIND ESKANIA, QULIOUB, QULIUBIYA - EGYPT.

Company Reg. No.: NA

has documented and implemented system in compliance with the requirements of

ISO 45001:2018
Occupational Health and Safety Management System
for
Casting of Metal

IAF Code: 17

The certificate is issued on the basis of the results mentioned in the pertinent audit report. Validity of the certificate is conditionally limited by positive results of surveillance audits, which the certified company is committed to undergo.

This certificate can be invalid if the certificate holder does not fulfill the conditions set out in the certification agreement.

Initial issue date: Jun. 08. 2023
Re-issue date: Jun. 08. 2024
Expire date: Jun. 07. 2026



G. Gilbert
G. Gilbert
Head of Certification Body



Rm. 501, Daeryung technico town, 638, Seobusaset-gil, Gumiheon-gu, Seoul, Republic of Korea
www.igcert.org



Management System Certification Body No. MSCB-105

CERTIFICATE

No. 23-A-5620 Rev. 0

ELEKHLAS FOUNDRY

EZBET ABU SENA, BEHIND ESKANIA, QULIOUB, QULIUBIYA - EGYPT.

Company Reg. No.: NA

has documented and implemented system in compliance with the requirements of

ISO 9001:2015
Quality Management System
for
Casting of Metal

IAF Code: 17

The certificate is issued on the basis of the results mentioned in the pertinent audit report. Validity of the certificate is conditionally limited by positive results of surveillance audits, which the certified company is committed to undergo.

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Rm. 501, Daeryung technico town, 638, Seobusaset-gil, Gumiheon-gu, Seoul, Republic of Korea
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INSPECTION CHAMBER

Class A 15

Test load 15 kN

Walkways, cycling paths, green areas

Standard

EN124-2:2015 / Class A15

Material

EN 1563 - Grad GJS-500/7

Pattern

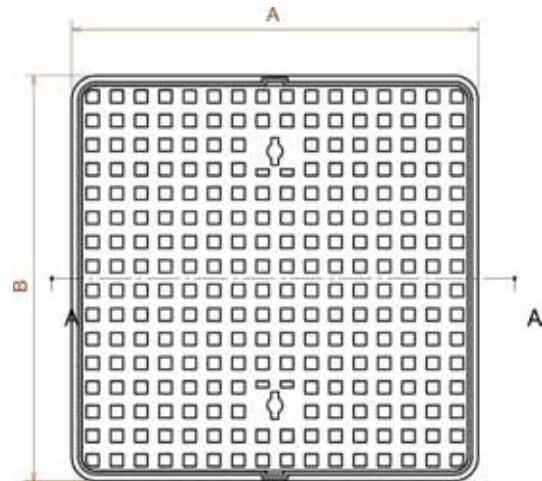
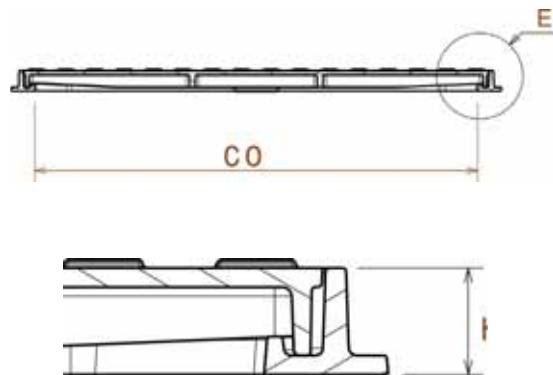
Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Non ventilated cover to prevent vitiated air spreading from underground to the outside.

Square cover base design, single seal.



- Applied Bitumen coat according to BS 34 16 or Epoxy Paint.
- All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



Detail E

INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
Square	EKF - G1-D-17001	670x670	600x600	28	Black Bitumen
All Dimensions in mm					

ROUND COVER

Class A 15

Test load 15 kN

Walkways, cycling paths, green areas

Standard

EN124-2:2015 / Class A15

Material

EN 1563 - Grad GJS-500/7

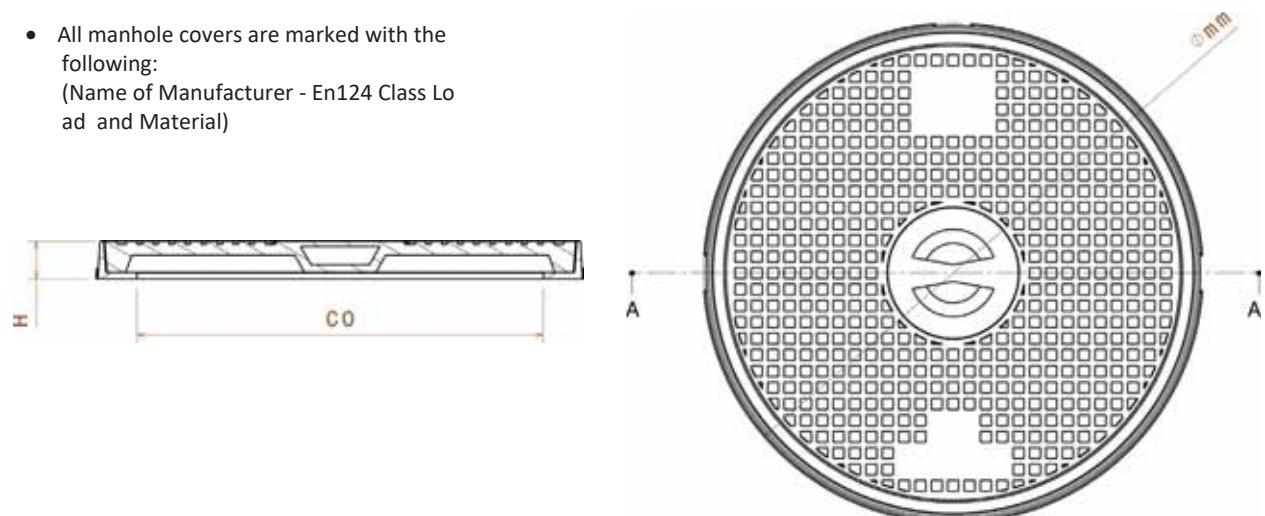
Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Round cover with anti-slippery, single seal.

Non ventilated cover to prevent vitiated air spreading from underground to the outside.

- Applied Bitumen coat according to BS 3416 or Epoxy Paint.
- All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



ROUND COVER - SINGLE SEAL

Type	Art. No.	Over base	Clear Open	Height	Coating
MANHOLE COVER	EKF-G1-D-18001	320 Ø	270 Ø	30	Black Bitumen
MANHOLE COVER	EKF-G1-D-18002	430 Ø	380 Ø	35	Black Bitumen
MANHOLE COVER	EKF-G1-D-18003	530 Ø	470 Ø	38	Black Bitumen
MANHOLE COVER	EKF-G1-D-18004	640 Ø	550 Ø	40	Black Bitumen

All Dimensions in mm

ROUND COVER

Class B 125

Test load 125 kN

Walkways, pedestrian zones, car parking areas

Standard

EN124-2:2015 / Class B125

Material

EN 1563 - Grad GJS-500/7

Pattern

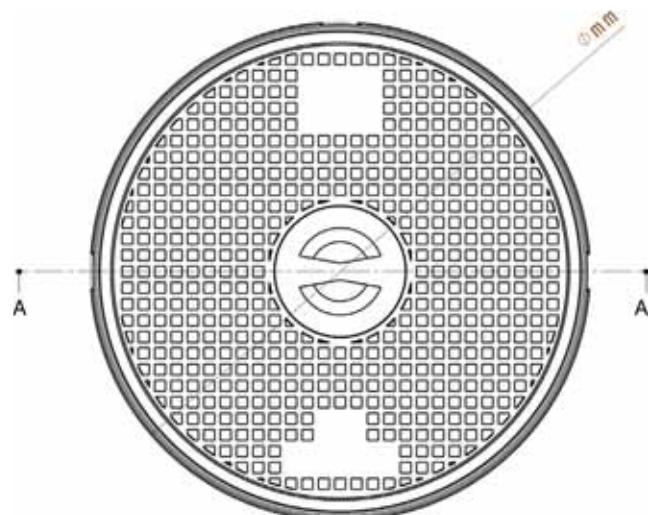
Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Round cover with anti-slippery, single seal

Non ventilated cover to prevent vitiated air spreading from underground to the outside.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



ROUND COVER - SINGLE SEAL

Type	Art. No.	Over base	Clear Open	Height	Coating
MANHOLE COVER	EKF-G2-D-18001	320 Ø	270 Ø	30	Black Bitumen
MANHOLE COVER	EKF-G2-D-18002	430 Ø	380 Ø	35	Black Bitumen
MANHOLE COVER	EKF-G2-D-18003	530 Ø	470 Ø	38	Black Bitumen
MANHOLE COVER	EKF-G2-D-18004	640 Ø	550 Ø	40	Black Bitumen

All Dimensions in mm

ROUND COVER

Spain design

Class B 125

Test load 125 kN

Walkways, pedestrian zones, car parking areas

Standard

EN124-2:2015 / Class B125

Material

EN 1563 - Grad GJS-500/7

Pattern

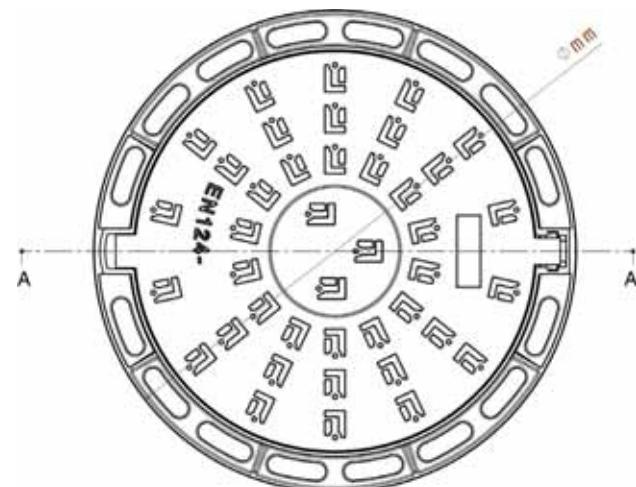
Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Round cover with anti-slippery, single seal

Non ventilated cover to prevent vitiated air spreading from underground to the outside.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



MANHOLE COVER - SINGLE SEAL

Type	Art. No.	Over base	Clear Open	Height	Coating
Manhole Cover	EKF-G2-D-13001	700 Ø	540 Ø	60	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

Without Hinge

Class B 125

Test load 125 kN

Walkways, pedestrian zones, car parking areas

Standard

EN124-2:2015 / Class B125

Material

EN 1563 - Grad GJS-500/7

Pattern

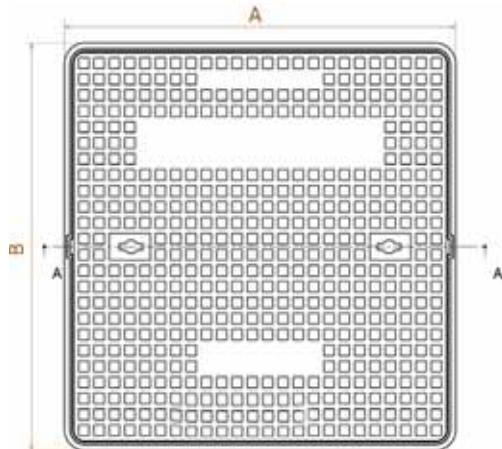
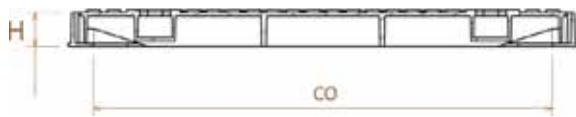
Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Square/Rectangular cover with anti-slippery surface, single seal.

Non ventilated cover to prevent vitiated air spreading from underground to the outside.



- Applied Bitumen coat according to BS 34 16 or Epoxy Paint.
- All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Lo ad and Material)



INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
Square	EKF-G2-D-14001	380x380	300x300	42	Black Bitumen
Square	EKF-G2-D-14001	480x480	400x400	42	Black Bitumen
Square	EKF-G2-D-14001	630x630	520x520	42	Black Bitumen
Rectangular	EKF-G2-D-14001	670x520	600x400	42	Black Bitumen
Square	EKF-G2-D-14001	675x675	600x600	42	Black Bitumen
Square	EKF-G2-D-14001	755x755	675x675	42	Black Bitumen
Square	EKF-G2-D-14001	820x820	700x700	42	Black Bitumen
Square	EKF-G2-D-14001	920x920	800x800	42	Black Bitumen
Rectangular	EKF-G2-D-14001	1010x710	900x600	42	Black Bitumen
Square	EKF-G2-D-14001	1020x1020	900x900	42	Black Bitumen
Square	EKF-G2-D-14001	1160x1160	1000x1000	42	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

With Hinges

Class B 125
Test load 125 kN

Walkways, pedestrian zones, car parking areas

Standard

EN124-2:2015 / Class B125

Material

EN 1563 - Grad GJS-500/7

Pattern

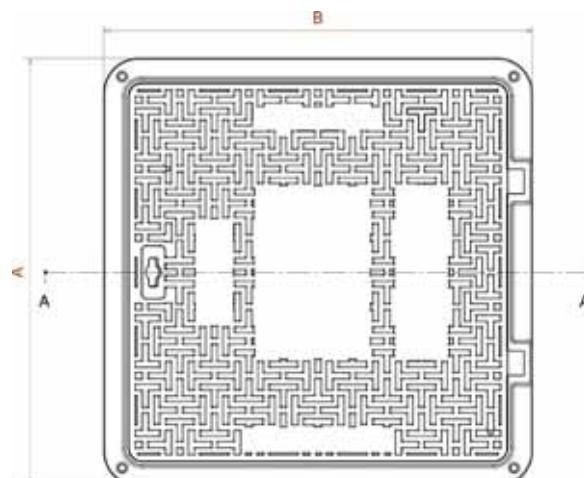
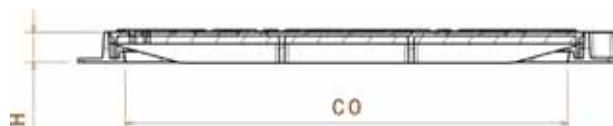
Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Square/Rectangular cover with hinges and anti-slippery surface, single seal.

Non ventilated cover to prevent vitiated air spreading from underground to the outside.



- Applied Bitumen coat according to BS 34 16 or Epoxy Paint.
- All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



INSPECTION CHAMBER With HINGES

Type	Art. No.	Over base	Clear Open	Height	Coating
Square	EKF-G2-D-15001	520x520	400x400	42	Black Bitumen
Rectangular	EKF-G2-D-15001	720x520	600x400	42	Black Bitumen
Square	EKF-G2-D-15001	720x720	600x600	42	Black Bitumen
Square	EKF-G2-D-15001	920x920	800x800	42	Black Bitumen
Square	EKF-G2-D-15001	1160x1160	1000x1000	42	Black Bitumen

All Dimensions in mm

RECESSED Inspection Chamber

Class B 125

Test load 125 kN

Walkways, pedestrian zones, car parking areas

Standard

EN124-2:2015 / Class B125

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

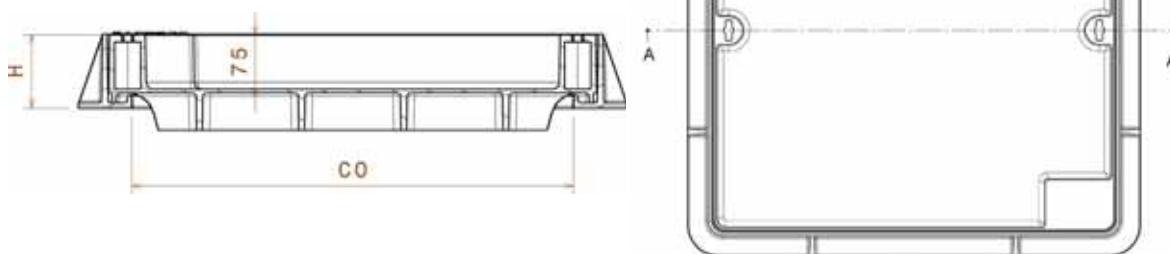
Frame Design

Square/Rectangular frame base design, single seal.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:

(Name of Manufacturer - En124 Class Load and Material)



RECESSED INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
Square	EKF-G2-D-18001	550x550	400x400	100	Black Bitumen
Square	EKF-G2-D-18002	750x750	600x600	100	Black Bitumen
Square	EKF-G2-D-18003	960x960	800x800	100	Black Bitumen
Rectangular	EKF-G2-D-18004	1120x820	900x600	100	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

Double Seal

Class B 125

Test load 125 kN

Walkways, pedestrian zones, car parking areas

Standard

EN124-2:2015 / Class B125

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Frame Design

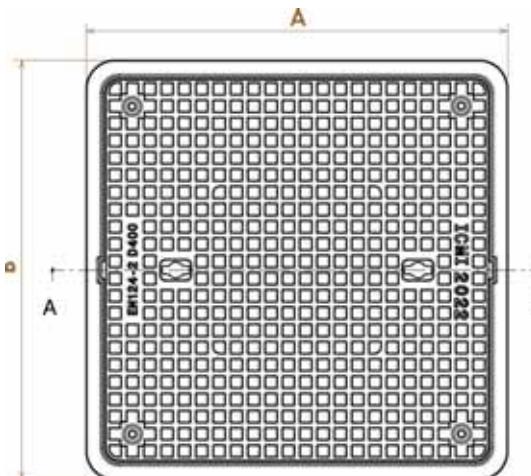
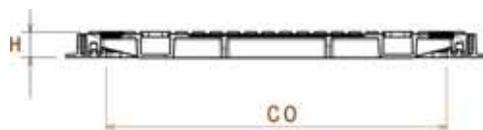
Square base design with slots for fixations.

Cover Design

Squared cover design with non slip pattern, Lock and bolts, double seal.

Applied Bitumen coat according to BS 34116 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



INSPECTION CHAMBER DOUBLE SEAL

Type	Art. No.	Over base	Clear Open	Height	Coating
Double Seal with Bolts	EKF-G2-D-19001	500x500	400x400	42	Black Bitumen
Double Seal with Bolts	EKF-G2-D-19002	740x740	600x600	42	Black Bitumen
Double Seal with Bolts	EKF-G2-D-19003	840x840	700x700	42	Black Bitumen
Double Seal with Bolts	EKF-G2-D-19004	950x950	800x800	42	Black Bitumen
Double Seal with Bolts	EKF-G2-D-19005	1150x1150	1000x1000	42	Black Bitumen

All Dimensions in mm

ROUND COVERS

Spain design

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Standard

EN124-2:2015 / Class C250

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

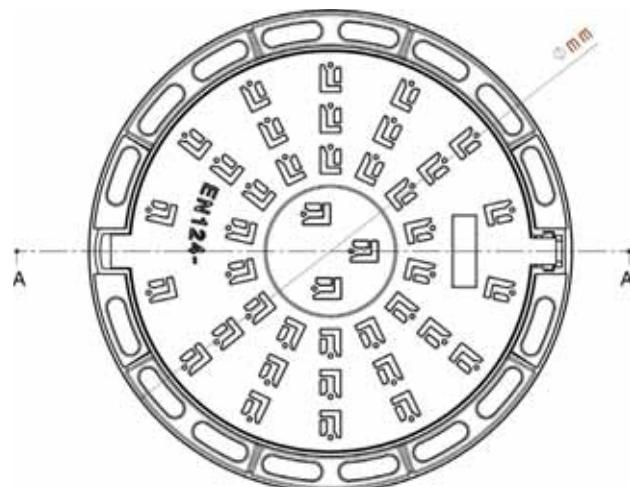
Round cover with anti-slippery, single seal

Non ventilated cover to prevent vitiated air spreading from underground to the outside.



Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



MANHOLE COVER - SINGLE SEAL

Type	Art. No.	Over base	Clear Open	Height	Coating
Spain Design	EKF--G3-D-13001	700 Ø	540 Ø	60	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

Round Cover - Square Frame

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Standard

EN124-2:2015 / Class C250

Material

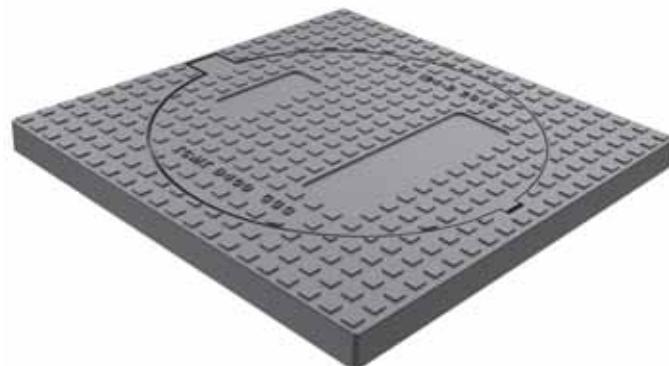
EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Round cover with hinge and anti-slippery surface in compliance with EN124, single seal.

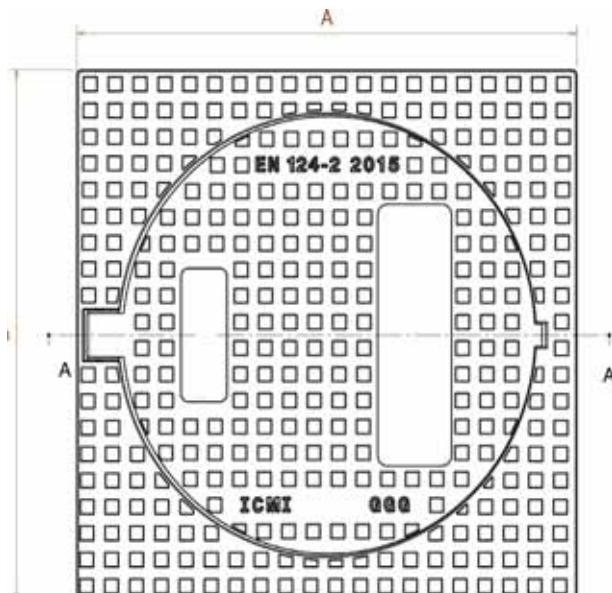
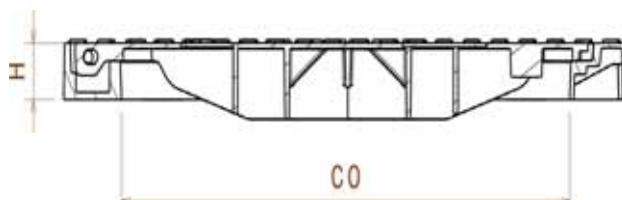
Non ventilated cover to prevent vitiated air spreading from underground to the outside.



Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:

(Name of Manufacturer - En124 Class Load and Material)



INSPECTION CHAMBER

Round Cover - Square Frame

Type	Art. No.	Over base	Clear Open	Height	Coating
Square with hinge	EKF-G3-D-25001	800x800	600 Ø	70	Black Bitumen
	EKF-G3-D-25002	1000x1000	760 Ø	70	Black Bitumen
	EKF-G3-D-25003	1000x1000	800 Ø	70	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

Without Hinges

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Standard

EN124-2:2015 / Class C250

Material

EN 1563 - Grad GJS-500/7

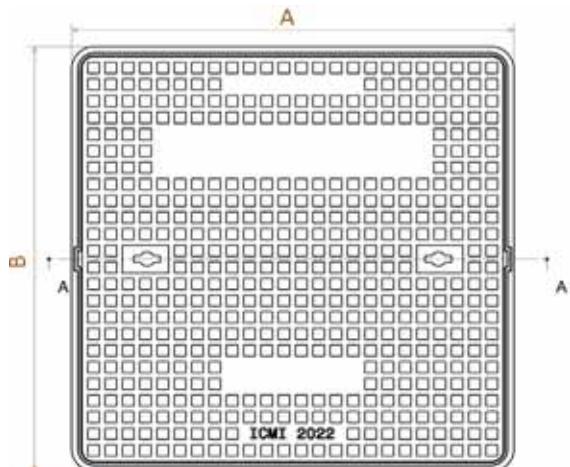
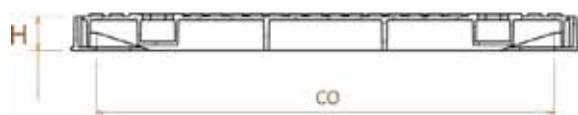
Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Square cover with anti-slippery surface in compliance with EN124, single seal

Non ventilated cover to prevent vitiated air spreading from underground to the outside.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.



INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
Square	EKF-G3-D-14001	400x400	300x300	65	Black Bitumen
Square	EKF-G3-D-14001	500x500	400x400	65	Black Bitumen
Rectangular	EKF-G3-D-14001	720x520	600x400	65	Black Bitumen
Square	EKF-G3-D-14001	720x720	600x600	65	Black Bitumen
Square	EKF-G3-D-14001	780x780	675x675	65	Black Bitumen
Square	EKF-G3-D-14001	820x820	700x700	65	Black Bitumen
Square	EKF-G3-D-14001	920x920	800x800	65	Black Bitumen
Rectangular	EKF-G3-D-14001	1020x720	900x600	65	Black Bitumen
Square	EKF-G3-D-14001	1040x1040	900x900	65	Black Bitumen
Square	EKF-G3-D-14001	1160x1160	1000x1000	65	Black Bitumen
Rectangular	EKF-G3-D-14001	1600x900	1400x700	65	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

With Hinges

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Standard

EN124-2:2015 / Class C250

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

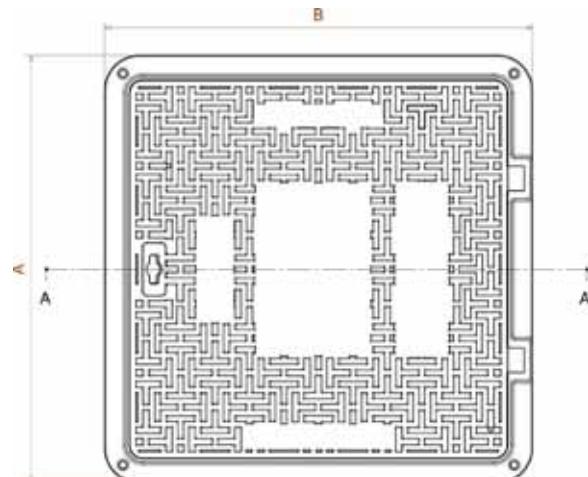
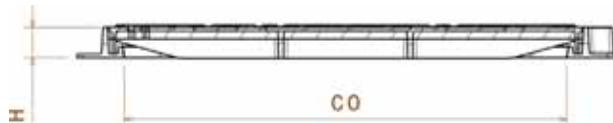
Frame Design

Squared/Rectangular base design.

Cover Design

Squared/Rectangular cover design with hinges and non slip pattern, single seal.

- Applied Bitumen coat according to BS 34 16 or Epoxy Paint.
- All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



INSPECTION CHAMBER WITH HINGES

Type	Art. No.	Over base	Clear Open	Height	Coating
Square	EKF-G3-D-15001	520x520	400x400	100	Black Bitumen
Rectangular	EKF-G3-D-15001	720x520	600x400	100	Black Bitumen
Square	EKF-G3-D-15001	720x720	600x600	100	Black Bitumen

All Dimensions in mm

RECESSED ROUND Manhole Cover

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Standard

EN124-2:2015 / Class C250

Material

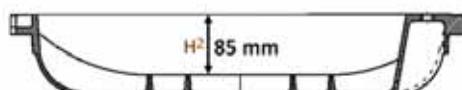
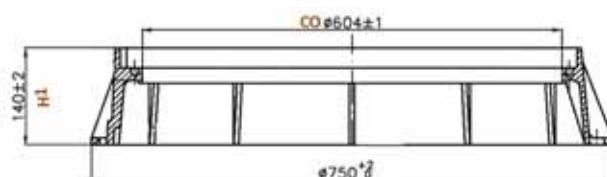
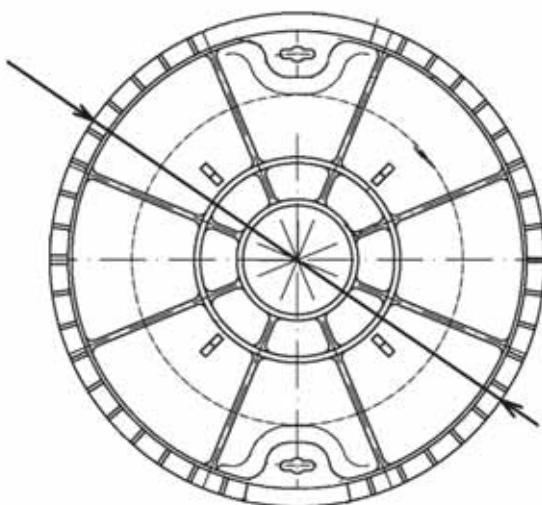
EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Round cover base design, single seal.

- Applied Bitumen coat according to BS 34 16 or Epoxy Paint.
- All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



RECESSED ROUND MANHOLE COVER

Type	Art. No.	Over base	Clear Open	Height	Coating
Recessed	EKF-G3-D-17001	750 Ø	600	85	Black Bitumen

All Dimensions in mm

RECESSED Inspection Chamber

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Standard

EN124-2:2015 / Class C250

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

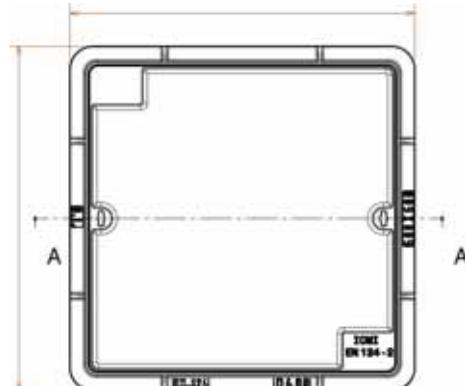
Frame Design

Square/Rectangular frame base design, single seal.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:

(Name of Manufacturer - En124 Class Load and Material)



RECESSED INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
Square	EKF-G3-D-18001	550x550	400x400	100	Black Bitumen
Square	EKF-G3-D-18001	750x750	600x600	100	Black Bitumen
Square	EKF-G3-D-18001	960x960	800x800	100	Black Bitumen
Rectangular	EKF-G3-D-18001	1130x820	900x600	100	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

Double Seal

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Standard

EN124-2:2015 / Class C250

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Frame Design

Square base design with slots for fixations.

Cover Design

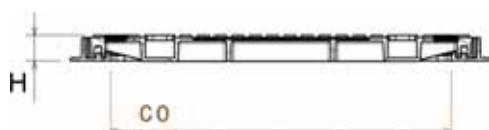
Square cover design with Lock and non slip pattern, double seal.



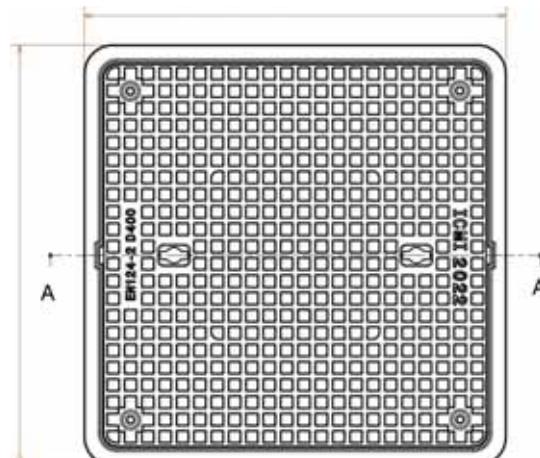
Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:

(Name of Manufacturer - En124 Class Load and Material)



Section view A-A



Front view

INSPECTION CHAMBER DOUBLE SEAL

Type	Art. No.	Over base	Clear Open	Height	Coating
Double Seal with Bolts	EKF-G3-D-19001	520x520	400x400	60	Black Bitumen
Double Seal with Bolts	EKF-G3-D-19002	750x750	600x600	60	Black Bitumen
Double Seal with Bolts	EKF-G3-D-19002	840x840	700x700	60	Black Bitumen
Double Seal with Bolts	EKF-G3-D-19002	950x950	800x800	60	Black Bitumen
Double Seal with Bolts	EKF-G3-D-19002	1150x1150	1000x1000	60	Black Bitumen

All Dimensions in mm

GULLY TOPS

Grating Cover

Class C 250

Test load 250 kN

Kerb areas, emergency lanes, car parking areas

Standard

EN124-2:2015 / Class C250

Material

EN 1563 - Grad GJS-500/7

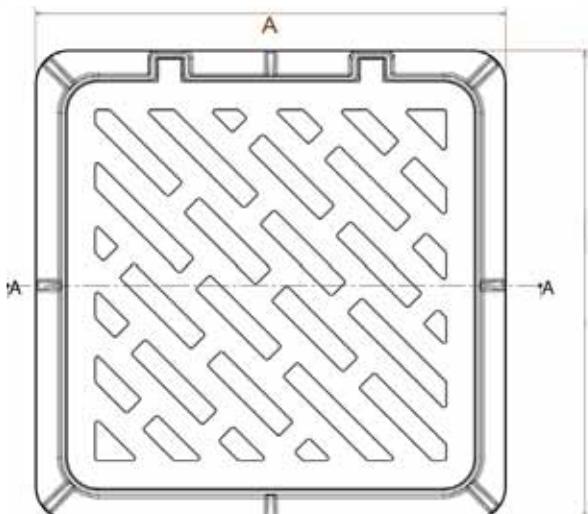
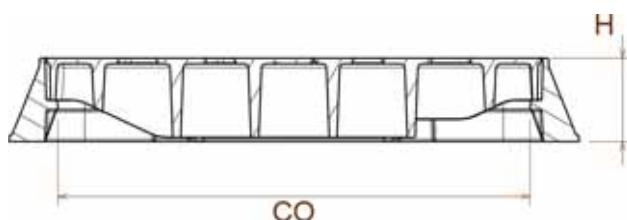
Cover Design

Square/Rectangular grating cover design with hinges.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:

(Name of Manufacturer - En124 Class Load and Material)



GULLY TRAP - GRATING COVER

Type	Art. No.	Over base	Clear Open	Height	Coating
Square	EKF-G3-D-20001	520x520	400x400	65	Black Bitumen
Square	EKF-G3-D-20001	620x620	500x500	65	Black Bitumen
Rectangular	EKF-G3-D-20001	720x520	600x400	65	Black Bitumen
Square	EKF-G3-D-20001	720x720	600x600	65	Black Bitumen

All Dimensions in mm

Manhole Cover

Octagon Frame without Hinge

Class D 400

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas.

Standard

EN124-2:2015 / Class D400

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Round cover with anti-slippery surface in compliance with EN124.

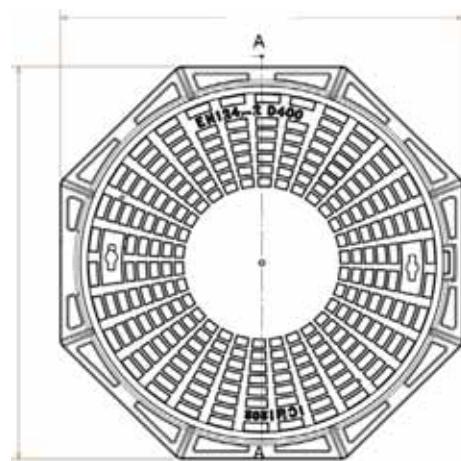
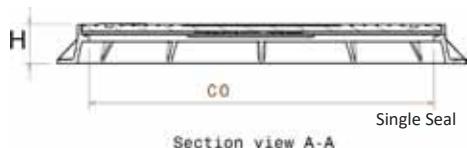
Non ventilated cover to prevent vitiated air spreading from underground to the outside.

Non-Rock (single seal), without hinge.



Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



ROUND COVER OCTAGON FRAME

Type	Art. No.	Over base	Clear Open	Height	Coating	Features
Double Seal Without hinge	EKF-G4-D-30001	740 Ø	600 Ø	100	Black Bitumen	
Single Seal Without hinge	EKF-G4-D-30001	900 Ø	720 Ø	100	Black Bitumen	EPDM Soundproofing gasket
Single Seal Without hinge	EKF-G4-D-30001	960 Ø	760 Ø	110	Black Bitumen	EPDM Soundproofing gasket

All Dimensions in mm

ROUND COVER

Octagon Frame with Hinge & Lock

Class D 400

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas.

Standard

EN124-2:2015 / Class D400

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

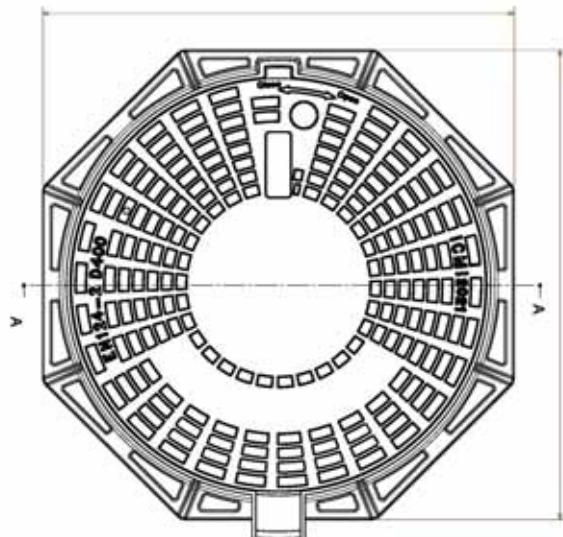
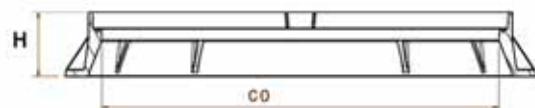
Round cover with hinge, lock and anti-slippery surface in compliance with EN124, single seal.

Non ventilated cover to prevent vitiated air spreading from underground to the outside.

Anti-theft locks made from stainless steel added to the manhole cover.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



ROUND COVER
OCTAGON FRAME with Hinge & Lock

Type	Art. No.	Over base	Clear Open	Height	Coating	Features
Single Seal with hinge & Lock	EKF-G4-D-31001	740 Ø	600 Ø	100	Black Bitumen	EPDM Soundproofing gasket
Single Seal with hinge & Lock	EKF-G4-D-31001	900 Ø	720 Ø	100	Black Bitumen	EPDM Soundproofing gasket
Single Seal with hinge & Lock	EKF-G4-D-31001	960 Ø	760 Ø	110	Black Bitumen	EPDM Soundproofing gasket

All Dimensions in mm

MANHOLE COVER

Round Frame with Hinge & Lock

Class D 400

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas.

Standard

EN124-2:2015 / Class D400

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Round cover with hinge, lock and anti-slippery surface in compliance with EN124, single seal

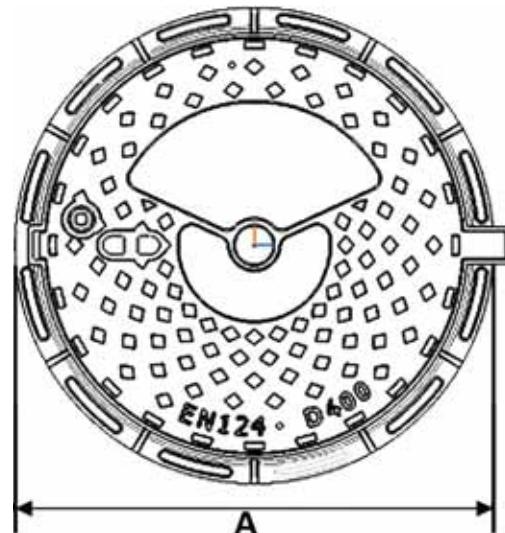
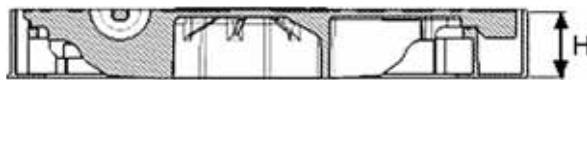
Non ventilated cover to prevent vitiated air spreading from underground to the outside.

Anti-theft locks made from stainless steel added to the manhole cover.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:

(Name of Manufacturer - En124 Class Load and Material)



ROUND COVER ROUND FRAME with Hinge & Lock

Type	Art. No.	Over base	Clear Open	Height	Coating	Features
Single Seal with hinge & Lock	EKF-G4-D-40001	740 Ø	600 Ø	100	Black Bitumen	EPDM Soundproofing gasket
Single Seal with hinge & Lock	EKF-G4-D-40001	920 Ø	720 Ø	110	Black Bitumen	EPDM Soundproofing gasket

All Dimensions in mm

INSPECTION CHAMBER

Without Hinge

Class D 400

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas.

Standard

EN124-2:2015 / Class D400

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Frame Design

Square/Rectangular ventlied frame base design.

Cover Design

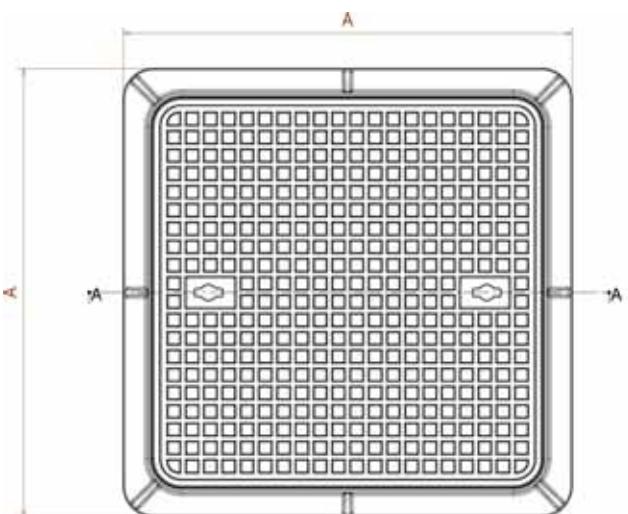
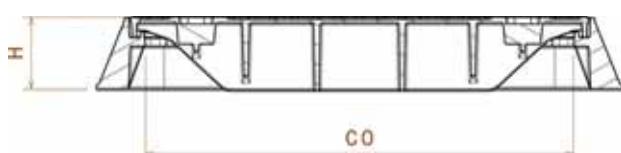
Squared cover design with non slip pattern, single seal.



Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:

(Name of Manufacturer - En124 Class Load and Material)



INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
Single Seal without hinges	EKF-G4-D-14001	520x520	400x400	100	Black Bitumen
Single Seal without hinges	EKF-G4-D-14001	720x520	600x400	100	Black Bitumen
Single Seal without hinges	EKF-G4-D-14001	720x720	600x600	100	Black Bitumen
Single Seal without hinges	EKF-G4-D-14001	1000x1000	800x800	100	Black Bitumen
Single Seal without hinges	EKF-G4-D-14001	1100x1100	900x900	100	Black Bitumen
Single Seal without hinges	EKF-G4-D-14001	1200x1200	1000x1000	100	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

With Hinges

Class D 400

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas.

Standard

EN124-2:2015 / Class D400

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Frame Design

Square/Rectangular base design.

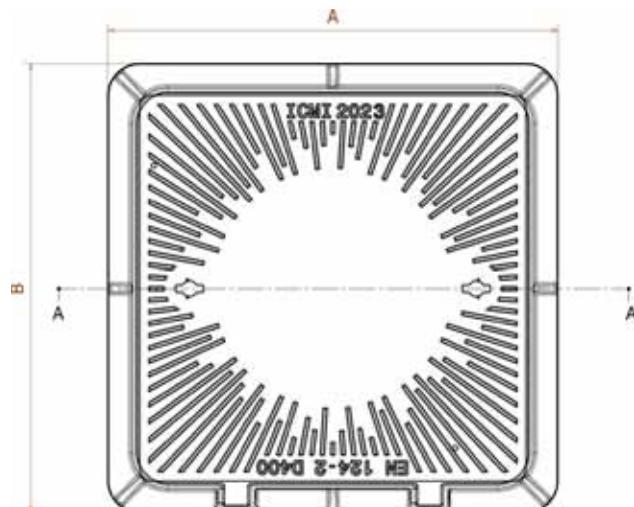
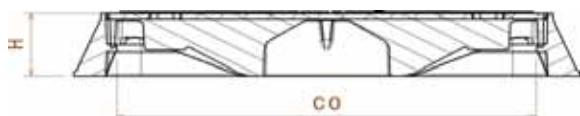
Cover Design

Square/Rectangular cover design with hinge and non slip pattern, single seal.



Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
With hinges	EKF-G4-D-15001	520x520	400x400	100	Black Bitumen
With hinges	EKF-G4-D-15001	720x520	600x400	100	Black Bitumen
With hinges	EKF-G4-D-15001	720x720	600x600	100	Black Bitumen
With hinges	EKF-G4-D-15001	1000x1000	800x800	100	Black Bitumen
With hinges	EKF-G4-D-15001	1200x1200	1000x1000	100	Black Bitumen

All Dimensions in mm

ROUND COVER

Square Frame with Hinge

Class D 400

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas.

Standard

EN124-2:2015 / Class D400

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Frame Design

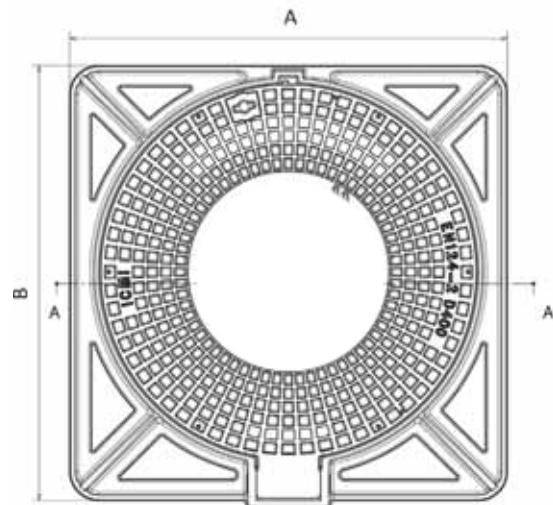
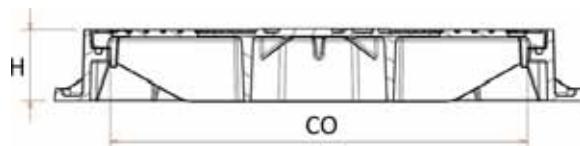
Square/Rectangular ventlied frame base design.

Cover Design

Squared cover design with non slip pattern, single seal.

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
Square Frame with hinges	EKF-G4-D-15101	740x740	600 Ø	100	Black Bitumen
Square Frame with hinges	EKF-G4-D-15101	840x840	600 Ø	100	Black Bitumen
Square Frame with hinges	EKF-G4-D-15101	1000x1000	760 Ø	100	Black Bitumen

All Dimensions in mm

RECESSED ROUND COVER

Class D 400

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas.

Standard

EN124-2:2015 / Class D400

Material

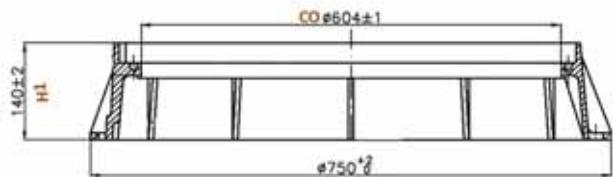
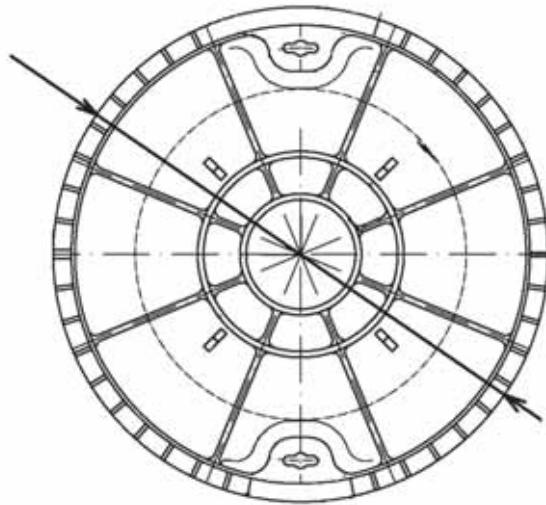
EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Round cover base design, single seal.

- Applied Bitumen coat according to BS 34 16 or Epoxy Paint.
- All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



RECESSED ROUND COVER

Type	Art. No.	Over base	Clear Open	Height	Coating
Recessed	EKF-G4-D-18001	750 Ø	600 Ø	140	Black Bitumen

All Dimensions in mm

RECESSED Inspection Chamber

Class D 400

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas.

Standard

EN124-2:2015 / Class D400

Material

EN 1563 - Grad GJS-500/7

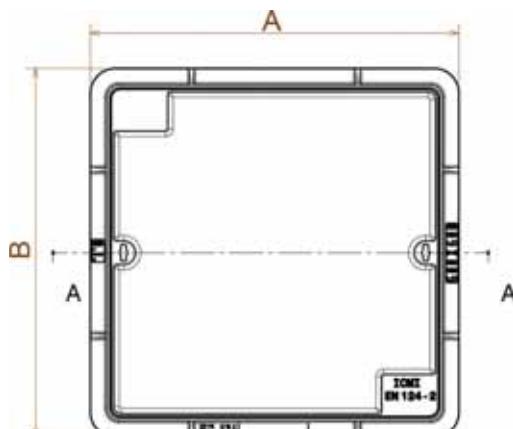
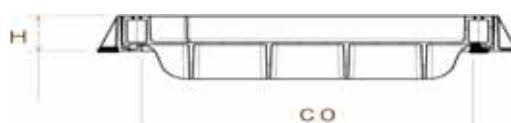
Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Frame Design

Square/Rectangular frame base design.

- Applied Bitumen coat according to BS 34 16 or Epoxy Paint.
- All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



RECESSED INSPECTION CHAMBER

Type	Art. No.	Over base	Clear Open	Height	Coating
Recessed Square	EKF-G4-D-18001	550x550	400x400	100	Black Bitumen
Recessed Square	EKF-G4-D-18001	750x750	600x600	100	Black Bitumen
Recessed Square	EKF-G4-D-18001	960x960	800x800	100	Black Bitumen
Recessed Rectangular	EKF-G4-D-18001	1130x820	900x600	100	Black Bitumen

All Dimensions in mm

INSPECTION CHAMBER

Double Seal without Hinge

Standard

EN124-2:2015 / Class D400

Material

EN 1563 - Grad GJS-500/7

Pattern

Design of cover pattern allows for special Logo or project design to be inserted in its specified area on the cover.

Frame Design

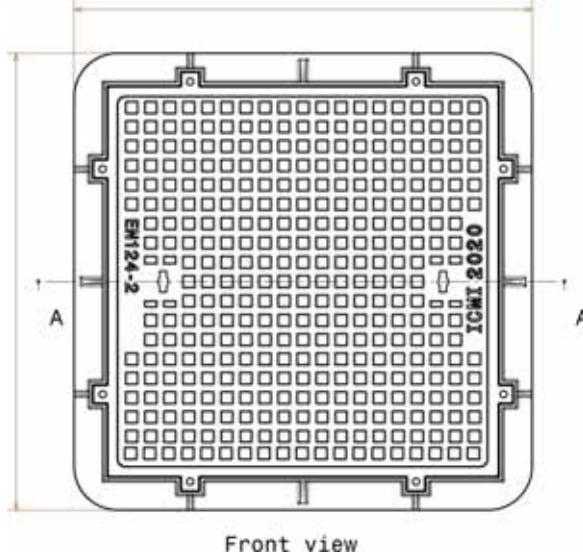
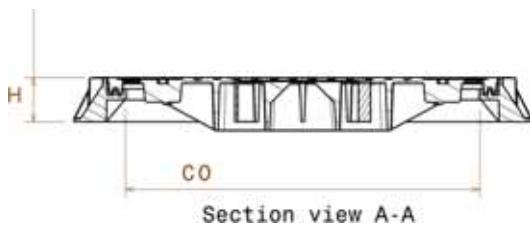
Squared/Rectangular base design with slots for fixations.

Cover Design

Squared/Rectangular cover design with bolts and non slip pattern, double seal

Applied Bitumen coat according to BS 3416 or Epoxy Paint.

All manhole covers are marked with the following:
(Name of Manufacturer - En124 Class Load and Material)



INSPECTION CHAMBER DOUBLE SEAL

Type	Art. No.	Over base	Clear Open	Height	Coating
Double Seal with bolts	EKF-G4-D-19001	580x580	400x400	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	750x750	600x600	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	940x940	700x700	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	1040x1040	800x800	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	1180x1180	900x900	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	1240x1240	1000x1000	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	1460x1460	1200x1200	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	1640x940	1400x700	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	2350x1350	2000x1000	100	Black Bitumen
Double Seal with bolts	EKF-G4-D-19001	2350x2350	2000x2000	100	Black Bitumen

All Dimensions in mm



CHANNEL GRATING



CHANNEL GRATINGS

Curved Grating

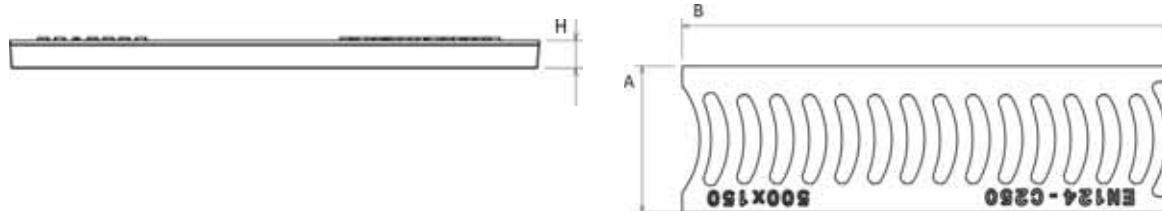
Standard

EN124-2:2015 / Class B125 | C250 | D400

Material

EN 1563 - Grad GJS-500/7

Applied Bitumen coat according to BS 3416 or Epoxy Paint.



CURVED GRATING					
Type	Art. No.	AxB	Height	Coating	
B125 - Curved	EKF-G2-D-81001	100x500	25	Black Bitumen	
	EKF-G2-D-81001	150x500	25	Black Bitumen	
	EKF-G2-D-81001	200x500	25	Black Bitumen	
	EKF-G2-D-81001	250x500	25	Black Bitumen	
	EKF-G2-D-81001	300x500	25	Black Bitumen	
C250 - Curved	EKF-G2-D-81001	100x500	25	Black Bitumen	
	EKF-G2-D-81001	150x500	25	Black Bitumen	
	EKF-G2-D-81001	200x500	25	Black Bitumen	
	EKF-G2-D-81001	250x500	25	Black Bitumen	
	EKF-G2-D-81001	300x500	25	Black Bitumen	
D400 - Curved	EKF-G2-D-81001	100x500	25	Black Bitumen	
	EKF-G2-D-81001	150x500	25	Black Bitumen	
	EKF-G2-D-81001	200x500	25	Black Bitumen	
	EKF-G2-D-81001	250x500	25	Black Bitumen	
	EKF-G2-D-81001	300x500	25	Black Bitumen	

All Dimensions in mm

CHANNEL GRATINGS

Streight Grating

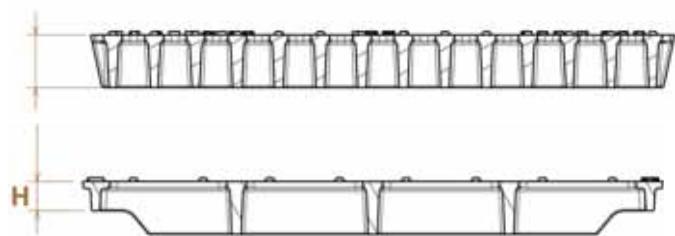
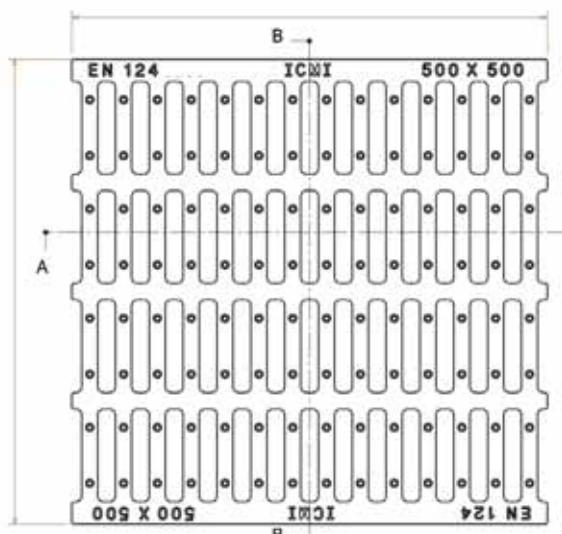
Standard

EN124-2:2015 / Class B125 | C250 | D400

Material

EN 1563 - Grad GJS-500/7

Applied Bitumen coat according to BS 3416 or
Epoxy Paint.



CURVED GRATING

Type	Over base	Height	Coating	Features
Streight Grating	100x500	25	Black Bitumen	
	150x500	25	Black Bitumen	
	200x500	25	Black Bitumen	
	250x500	25	Black Bitumen	
	300x500	25	Black Bitumen	
	350x500	25	Black Bitumen	B125
	400x500	25	Black Bitumen	C250
	500x500	25	Black Bitumen	D400
	600x500	25	Black Bitumen	
	700x500	25	Black Bitumen	
All Dimensions in mm				

CHANNEL GRATINGS

Half Channel

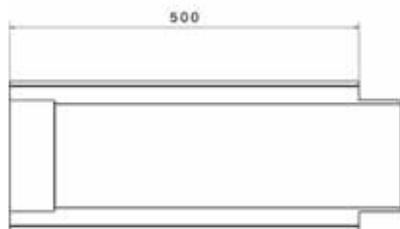
Standard

EN124-2:2015

Material

EN 1561 - Grad GJL-250

Applied Bitumen coat according to BS 3416 or
Epoxy Paint.



CHANNEL GRATING - HALF CHANNEL

Art. No.	Grating Dim.	Channel Dim.	Coating
EKF-G-83001	6 "	4 "	Black Bitumen
EKF-G-83001	8 "	6 "	Black Bitumen
EKF-G-83001	10 "	8 "	Black Bitumen
EKF-G-83001	12 "	10 "	Black Bitumen
EKF-G-83001	14 "	12 "	Black Bitumen
EKF-G-83001	18 "	16 "	Black Bitumen

All Dimensions in mm

SURFACE BOX

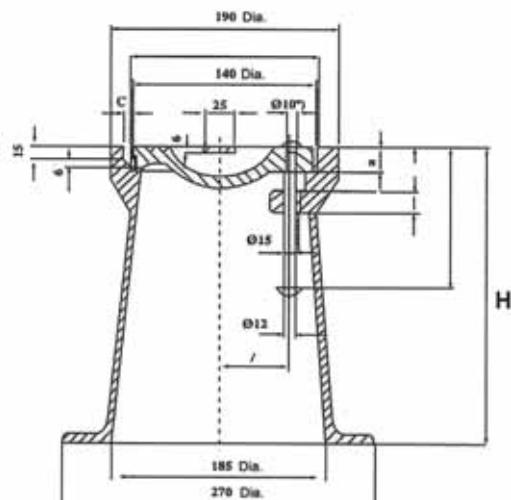
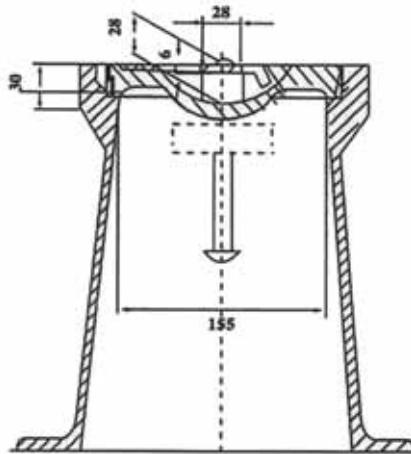
Standard

EN124-2:2015 / Class B125 | C250 | D400

Material

EN 1563 - Grad GJS-500/7, EN 1561 - Grad GJL-250

Applied Bitumen coat according to BS 3416 or
Epoxy Paint.



SURFACE BOX

Type	Art. No.	H	CO	Coating
B125	EKF-G2-D-90001	180		
C250	EKF-G2-D-90001	180		
D400	EKF-G2-D-90001	180		
B125	EKF-G2-D-90001	280	140/185	Black Bitumen
C250	EKF-G2-D-90001	280		
D400	EKF-G2-D-90001	280		

All Dimensions in mm

MANHOLE STEPS

Single Face

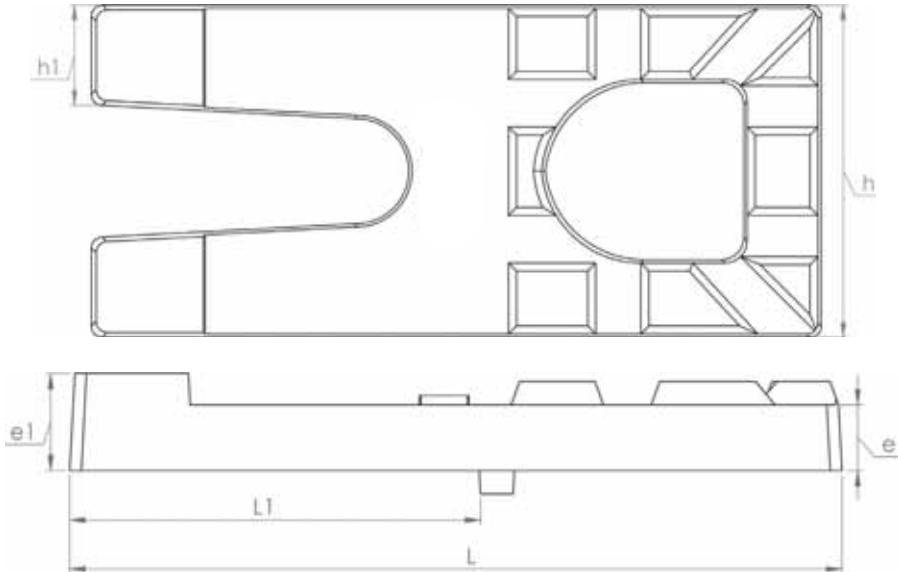
Standard

EN124-2:2015

Material

EN 1561 - Grad GJL-250

Applied Bitumen coat according to BS 3416 or
Epoxy Paint.



MANHOLE STEPS SINGLE FACE

Art. No.	L	L1	E	E1	H	H1	Coating
EKF-G-3001	330	175	28	27	140	45	Black Bitumen
EKF-G-3001	380	180	20	35	153	41	Black Bitumen

All Dimensions in mm

MANHOLE STEPS

Single Face

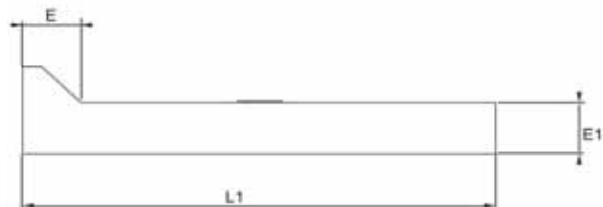
Standard

EN124-2:2015

Material

EN 1561 - Grad GJL-250

Applied Bitumen coat according to BS 3416 or
Epoxy Paint.



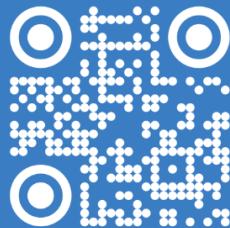
MANHOLE STEPS SINGLE FACE

Art. No.	L	L1	E	E1	Coating
EKF-G-3001	300	236	36	27	Black Bitumen

All Dimensions in mm



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