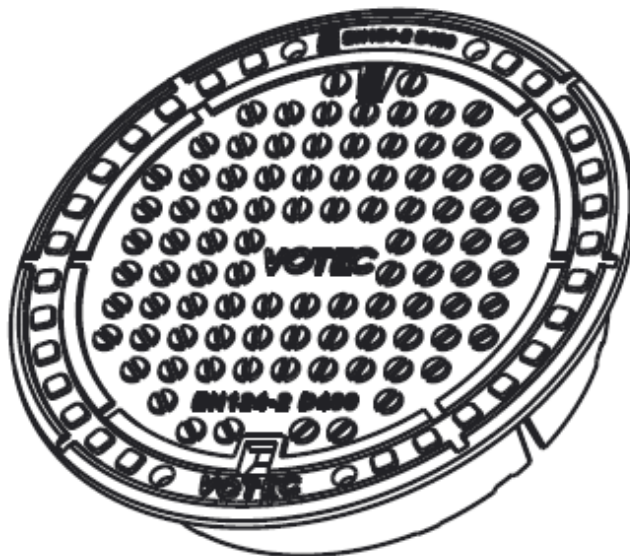


Produkt

Kumlokk og Ramme, Ø650, VOTEC

Produktdetaljer

Produkt	Ø650 Kumlokk og Ramme, iht. EN124-2, flytende
Anvendelse	Muliggjør adkomst til kummer Produktene kan kun benyttes i VOTEC gategods, vil ikke passe inn i andre produsenters gategods. Produktene leveres komplett, kumlokk og kumramme, iht. krav i EN124-2.
Type	Ø650, med dempering for å unngå klapping, flytende, lukkede spetthull, med slissespor for innsyn av korrekt installerte masser på utsiden av rammen og friksjonselementer på lokket som gir bedre feste i rammen.
Komponenter	Lokk og Ramme av duktilt støpejern. Materialet på pakning påmontert lokket er poly uretan.
Produsent	Global Castings Pvt. Ltd.
Henvisninger	Det henvises også til følgende nyttig informasjon: <ul style="list-style-type: none">• Tilhørende FDV- og Monteringsanvisnings dokument• VA Miljøblad nr. 2, Renovering av kum• VA Miljøblad nr. 31, Sikkerhet i kummer• VA Miljøblad nr. 32, Montering av kumramme og kumlokk



Innholdsfortegnelse

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5. Standarder, Godkjenninger og Sertifikater	6

1. Introduksjon

VOTEC Kumlokk og Rammer inngår i serien VOTEC, som er Brødrene Dahl's merkevare for produkter til bruk fortrinnsvis innen VMT segmentet.

Produktet er produsert av duktilt støpejern og samsvarer med EN124-2. Det er sertifisert av ICMQ (vil bli vedlagt på senere tidspunkt).
Produktet har lokk som låses i åpen tilstand, ca. 105 grader, for å hindre at lokket utilsiktet faller tilbake til lukket tilstand. Se mer informasjon om dette i tilhørende monteringsanvisning.

Produktene kan kun benyttes i VOTEC gategods, vil ikke passe inn i andre produsenters gategods. Produktene selges komplett, lokk og ramme, iht. krav i EN124-2.

2. Produksjon og Miljø

Produsenten innehar godkjente dokumenter for kvalitetssikring og produksjon, se vedlegg. Produsenten er kvalitetssikret og all produksjon for Brødrene Dahl blir fulgt opp av egne inspektører hos produsenten.

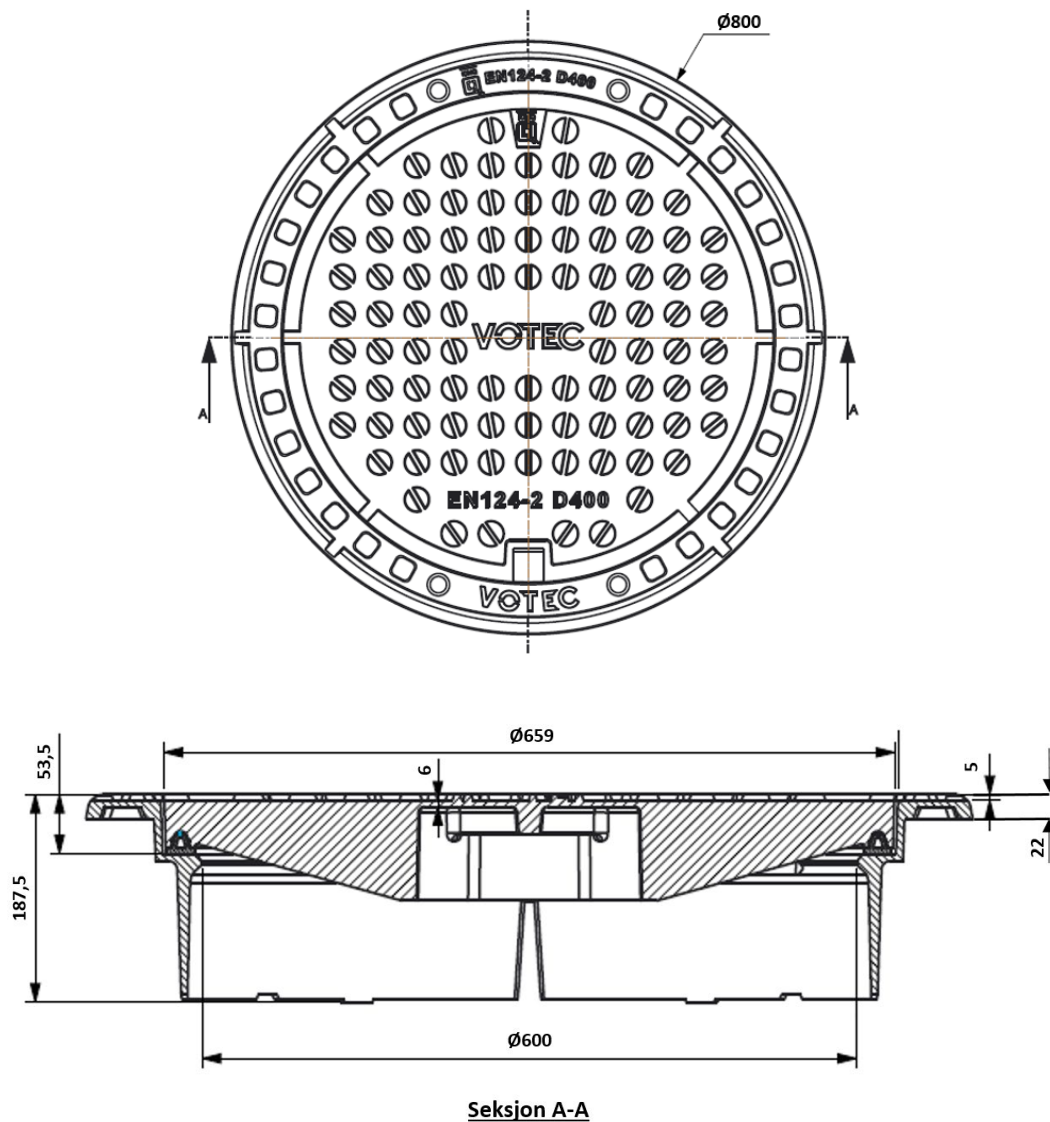
Smelteovnene hos produsenten er elektriske.

3. Tekniske Data

Last	D400, iht. EN124-2: 400kN, Gruppe 4
Materiale, hovedkomponenter	Duktilt Støpejern, ISO 1083, GJS 500-7 Max. Størrelse på kaviteter i støpejerns materialet: Ø5 mm. Slike kaviteter kan forekomme i materialet, også i overflaten på materialet.
Materiale, låser	Duktilt Støpejern, ISO 1083, GJS 500-7
Materiale, pakning	EPDM
Overflate, Lokk	Anti-skli overflate med VOTEC design som peker i retning av spetthullet.
Sete, Lokk / Ramme	Pakningen som er montert på lakkene sikrer at de ligger stabilt og motvirker klapping / støy
Installasjon	Installeres i varm asfalt. Rammen må installeres slik at last ikke overføres til betongen. Se tilhørende Monteringsanvisning for mer informasjon.
Overflatebehandling	Ingen overflatebehandling, av miljøhensyn. Produktet vil da få noe overflate korrosjon (lys brun farge) ved lagring, men dette vil ikke ha noen negativ effekt på produktet.

4. Mål / Dimensjoner

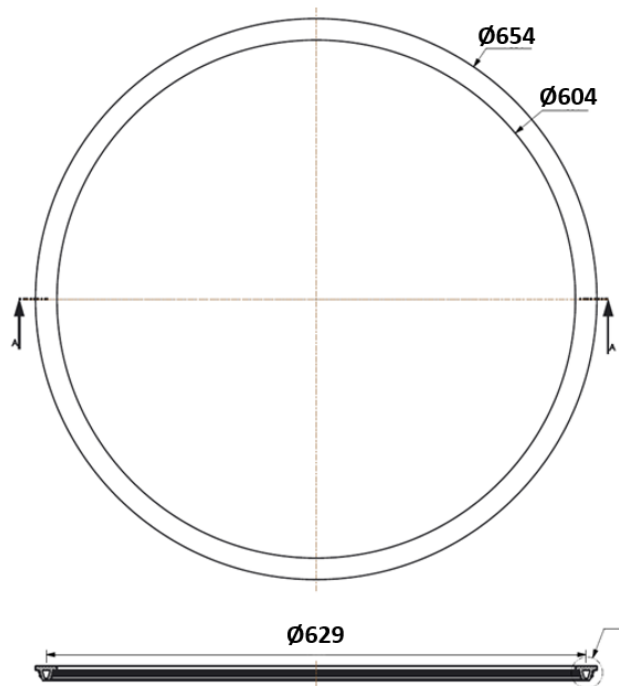
NRF Nr:	3237651
Beskrivelse	Ø650 Kumlokk og Ramme, Flytende Ramme, D400, m/Friksjons lås, Dempepakning, Tette Spetthull, Slissespor



Vekt

Lokk	44 kg
Ramme	40 kg
Lokk og Ramme	84 kg

NRF Nr:	2030881
Beskrivelse	Ø650 Dempepakning for Ø650 VOTEC Lokk, EPDM



Seksjon A-A

Beskrivelse	Materiale	Ø, Ytre [mm]	Ø, Indre [mm]	Ø, Middel [mm]	Høyde [mm]	Tykkelse [mm]	Vekt per stk. [kg]
Dempepakning	EPDM, Shore A 70 ±5	654,0	604,0	629,0	17,5	25,0	0,3



5. Standarder, Godkjenninger og Sertifikater

Vedlegg	ISO 9001	Vedlegg 1
	ISO 14001	Vedlegg 2
	ISO 45001	Vedlegg 3
	EN124-1 og EN124-2, ICMQ Sertifikat	Vedlegg 4
	EN124-2, Kitemark Sertifikat	Vedlegg 5
Standarder	EN124-2	Sluktopper og kumtopper for kjøre- og fotgjengerområder - Del 2: Sluktopper og kumtopper laget av støpejern

Vedlegg 1

Vedlegg 2

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that



Global Castings Pvt Ltd
Swastik Building, 1 Sardar Sankar Road
Kolkata - 700026, West Bengal, India

including the sites and scope of application see enclosure

has implemented Environmental Management System
in accordance with **ISO 14001:2015**
for the scope of

**Management, Purchase, Marketing & Sales for
Design & Manufacture of Ductile Iron, Gray Iron - Castings for
Sanitary, Pipe Fittings, Automotive, Railway and Infrastructural Items**

The certificate is valid from **2022-03-03** until **2025-03-02**

Subject to successful completion of annual periodic audits
The present status of this certificate can be obtained through TUV SUD website by scanning below QR code and by entering the certificate number (without spaces) on web page. Further clarifications regarding the status & scope of this certificate may be obtained by consulting the certification body at info.in@tuvsud.com

Certificate Registration No. **99 104 00848**

Date of Initial certification: **2019-06-25**

Issue Date: **2022-03-03 Rev. 01**



Rahul Kale
Head of Certification Body
of TÜV SÜD South Asia Private Limited,
Mumbai
Member of TÜV SÜD Group
Page 1 of 2



Vedlegg 3

Vedlegg 4



CERTIFICAZIONE DI PRODOTTO

PRODUCT CERTIFICATION

CERTIFICATE N°

CERTIFICATO N°

P 329

COMPANY

AZIENDA

GLOBAL CASTINGS PVT. LTD

1 Sardar Sankar Road Kolkata 700026 West Bengal India

PRODUCTION UNIT

UNITA' PRODUTTIVA

Mouza Mirzapur/Kamnara, Dewandighi Palitpur Road, Burdwan 713102 India

SCOPE OF THE CERTIFICATE

OGGETTO DEL CERTIFICATO

**GULLY TOPS AND MANHOLE TOPS FOR VEHICULAR AND
PEDESTRIAN AREAS**

Dispositivi di coronamento e chiusura per zone di circolazione utilizzate da pedoni e da veicoli

REFERENCE STANDARDS

NORME DI RIFERIMENTO

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

CERTIFICATION SYSTEM

SISTEMA DI CERTIFICAZIONE

General Agreement Conditions for the product certification – CP DOC 229
Condizioni Generali di Contratto per la Certificazione di prodotto - CP DOC 229

Particular rules for gully tops and manhole tops - CP DOC 243
Regolamento particolare per dispositivi di coronamento e chiusura – CP DOC 243

Instructions for the application of the EN 124:2015 - UNI/TR 11671:2017
Indicazioni per l'applicazione della serie EN 124:2015 – UNI/TR 11671:2017

PRODUCTS

PRODOTTI


The list of the certified products is annexed to this certificate

L'elenco dei prodotti oggetto della Certificazione è allegato al presente certificato

First Issue
Prima Emissione
28/07/2020

Current Issue
Emissione Corrente
14/12/2021

Expiry Date
Scadenza
31/12/2022


THE PRESIDENT AND GENERAL MANAGER
MR. LORENZO ORSENIKO



Annex to the certificate P 329 del 14/12/2021

Allegato al Certificato di Prodotto P 329 of 14/12/2021

FAMILY <i>famiglia</i>	CODE <i>codice</i>	DESIGNATION <i>designazione</i>	CLASS <i>classe</i>
SOLID TOP B125	D-16 B125	Manhole Top EN 124-2 – B125 – 2/2 – 445 – W – RP	B125
TAMPON LOT B125 425 X 295 OPTIMAX	PIL02_19PE232B	Manhole Top EN 124-2 – B125 – 2/3 – 248 – W – RP	B125
TAMPON OPTIMAX (468 X 579) B125	PIL09_18PE216E	Manhole Top EN 124-2 – B125 – 2/3 – 421 – W – RP	B125
	PIL09_18PE217E	Manhole Top EN 124-2 – B125 – 2/3 – 421 – W – RP	B125
	PIL09_18PE218E	Manhole Top EN 124-2 – B125 – 2/3 – 532 – W – RP	B125
	PIL09_18PE219E	Manhole Top EN 124-2 – B125 – 2/3 – 532 – W – RP	B125
	PIL09_18PE220E	Manhole Top EN 124-2 – B125 – 2/3 – 532 – W – RP	B125
SOLID TOP C250	D-17 C250	Manhole Top EN 124-2 – C250 – 2/2 – 485 – W – RP	C250
TAMPON OPTIMAX (468 X 579) C250	PIL04_19PE249C	Manhole Top EN 124-2 – C250 – 2/3 – 421 – W – RP	C250
	PIL04_19PE250C	Manhole Top EN 124-2 – C250 – 2/3 – 421 – W – RP	C250
	PIL04_19PE251B	Manhole Top EN 124-2 – C250 – 2/3 – 532 – W – RP	C250
	PIL04_19PE252B	Manhole Top EN 124-2 – C250 – 2/3 – 532 – W – RP	C250
	PIL04_19PE253A	Manhole Top EN 124-2 – C250 – 2/3 – 532 – W – RP	C250
TOP	TOP200C	Manhole Top EN 124-2 – C250 – 2/2 – 201 – W – RP	C250
	TOP700C	Manhole Top EN 124-2 – C250 – 2/2 – 700 – W – RP	C250
	TOP800C	Manhole Top EN 124-2 – C250 – 2/2 – 800 – W – RP	C250
SOLID TOP D400	D-15 D400	Manhole Top EN 124-2 – D400 – 2/2 – 330 – W – RP	D400
	D-16 D400	Manhole Top EN 124-2 – D400 – 2/2 – 435 – W – RP	D400
	D-18 D400	Manhole Top EN 124-2 – D400 – 2/2 – 582 – F – RP	D400
ROUND COVER	D-90	Manhole Top EN 124-2 – D400 – 2/2 – 580 – F – RP	D400
	R-100-SB	Manhole Top EN 124-2 – D400 – 2/2 – 580 – F – RP	D400
	R-100-SB-R2	Manhole Top EN 124-2 – D400 – 2/2 – 580 – F – RP	D400
	R-100-SB-R3	Manhole Top EN 124-2 – D400 – 2/2 – 580 – F – RP	D400
	GCPL-319	Manhole Top EN 124-2 – D400 – 2/2 – 570 – F – RP	D400
	GCPL-162	Manhole Top EN 124-2 – D400 – 2/2 – 600 – F – RP	D400
	ARTICLE 3237105	Manhole Top EN 124-2 – D400 – 2/2 – 600 – F – RP	D400
TOP	TOP700D	Manhole Top EN 124-2 – D400 – 2/2 – 700 – W – RP	D400
	TOP800D	Manhole Top EN 124-2 – D400 – 2/2 – 800 – W – RP	D400
GRATING	D-3B C250	Gully Top EN 124-2 – C250 – 2/2 – 248 – F – RP	C250
	B-19D C250	Gully Top EN 124-2 – C250 – 2/2 – 278 – F – RP	C250
SQUARE GRATING	D-12 A C250	Gully Top EN 124-2 – C250 – 2/2 – 350 – F – RP	C250
ROUND GRATING	D-80	Gully Top EN 124-2 – D400 – 2/2 – 580 – F – RP	D400
	D-81	Gully Top EN 124-2 – D400 – 2/2 – 580 – F – RP	D400

Vedlegg 5

Kitemark™ Certificate

This is to certify that:

Global Castings Pvt. Ltd.
Swastik Building
1 Sardar Sankar Road
Kolkata
West Bengal
700 026
India

Holds Certificate Number:

KM 596031

In respect of:

BS EN 124-2:2015 and BS EN 124:1994
Gully tops and manhole tops for vehicular and pedestrian areas

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.



For and on behalf of BSI:

Frank Lee, Product Certification Technical and Compliance Director

First Issued: 2013-03-13

Effective Date: 2022-01-10

Latest Issue: 2022-01-10

Expiry Date: 2023-12-06

Page: 1 of 19



...making excellence a habit.™

Kitemark™ Certificate

No. KM 596031

**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Manhole Tops

Class B125

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Rectangular Cover & Frame SAX-012	GCPL - 232	750 x 600	50
Hinged Circular Cover & Frame	GCPL - 112	600 Dia	50
Hinged Circular Cover & square Frame	GCPL - 115	400 Dia	50
DS ST Frame & Cover	GCPL - 141	300 x 300	40
DS ST Frame & Cover (Hicast)	GCPL - 395	300 x 300	25
RT DS Frame & Cover	GCPL - 195	300 x 300	90
Frame & Cover	GCPL - 242	450 Dia.	30
Frame & Cover	GCPL - 246	450 x 450	40
SS RT Frame & Cover	GCPL - 368	450 x 450	90
SS Frame & Cover	GCPL - 430	450 x 450	30
DS ST Frame & Cover	GCPL - 129	450 x 450	40
RT DS Frame & Cover	GCPL - 158	450 x 450	90
DS ST GRP Hinge Type Lockable Frame	GCPL - 225	600 Dia.	50
HT GRP ST Cover with Square Frame	GCPL - 321	675 Dia.	100

First Issued: 2013-03-13

Latest Issue: 2022-01-10

Effective Date: 2022-01-10

Expiry Date: 2023-12-06

Page: 2 of 19

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Kitemark™ Certificate

No. KM 596031

**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Manhole Tops

Class B125 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
DT GRP Frame & Cover	GCPL – 339	600x 450	100
SS RT Frame & Cover	GCPL – 367	600 x 600	90
SS ST Frame & Cover	GCPL – 135	600 x 600	40
DT GRP Frame & Cover	GCPL – 320	600 x 600	100
GRP SS ST Frame & Cover	GCPL – 352	600 x 600	40
GRP DS ST Frame & Cover	GCPL – 180	600 x 600	50
DS ST Frame & Cover	GCPL – 145	600 x 600	40
RT DS Frame & Cover	GCPL – 156	600 x 600	90
DT GRP Frame & Cover	GCPL – 322	675 x 675	100
DT GRP HT Frame & Cover	GCPL – 420	675 x 675	100
GRP DT Frame & Cover	GCPL – 265	750 Dia.	100
SS ST Frame & Cover (CYP)	GCPL – 386	750 x 450	40
GRP SS ST Frame & Cover	GCPL – 202	750 x 600	50
DT GRP Frame & Cover	GCPL – 222	750 x 750	100
GRP Frame & Cover	GCPL – 232	750 x 600	50
DS ST Frame & Cover	GCPL – 249	800 x 800	50

First Issued: 2013-03-13

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A member of BSI Group of Companies.

Kitemark™ Certificate

No. KM 596031

**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Manhole Tops

Class B125 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
DS RT Frame & Cover	GCPL – 250	800 x 800	90
SS ST GRP Frame & Cover	GCPL - 282	750 DIA	75
SS ST GRP Frame & Cover	GCPL - 281	600 DIA	50
SS ST GRP Frame & Cover	GCPL - 284	750 x 600	75
SS ST Frame & Cover	GCPL - 396	300 x 300	25
SS RT Frame & Cover	GCPL - 290	750 x 450	100
SS ST Frame & Cover	GCPL - 340	600 x 300	50

Class C250

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Rectangular Double Seal Frame & Cover	GCPL – 105	600 x 600	40
SS ST Frame & Cover	GCPL – 139	300 x 300	40
DS ST Frame & Cover	GCPL – 140	300 x 300	40
DT HT GRP Frame & Cover	GCPL – 419	450 x 600	50
SS GRP ST HT Lockable Frame & Cover	GCPL – 337	600 Dia.	50
SS Frame & Cover	GCPL – 432	600 x 600	45
SS ST Frame & Cover	GCPL – 151	600 x 600	40
GRP HT Frame & Cover	GCPL – 424	750 Dia.	100

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**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Manhole Tops

Class C250 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
ST Frame & Cover	GCPL – 426	900 x 450	40
HT Lockable Frame & Cover	GCPL - 401	900 Dia	76
Lockable Pull Box Type IV	GCPL - 176	450 x 450	70
SS ST GRP Frame & Cover	GCPL - 220	600 x 600	40
DS GRP Frame & Cover	GCPL - 211	600 x 600	40
SS ST GRP Frame & Cover	GCPL - 272	600 Dia	50
SS ST GRP Frame & Cover	GCPL - 279	750 x 600	75
SS ST GRP Frame & Cover	GCPL - 274	750 Dia	75
SS ST GRP Frame & Cover	GCPL - 276	900 Dia	80
Pull Box Type IV	GCPL - 361	450 x 450	45

Class D400

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Double Triangular Frame & Cover	GCPL – 100	600 x 600	100
Double Triangular Frame & Cover	GCPL – 101	600 x 600	150
Double Triangular Frame & Cover	GCPL – 102	675 x 675	100

First Issued: 2013-03-13

Latest Issue: 2022-01-10

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Kitemark™ Certificate

No. KM 596031

**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Manhole Tops

Class D400 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Double Triangular Frame & Cover	GCPL – 103	675 x 675	150
Double Triangular Cover & square Frame	GCPL – 174	600 x 600	100
Circular Solid Top Hinged Type Frame & Cover	GCPL – 104	600 Dia.	100
Rectangular Cover & Frame SAX-013	GCPL – 124	750 x 600	100
Quadruple Triangular Cover & Rectangular Frame	GCPL – 121	1200 x 675	100
Rectangular Cover & Frame	GCPL – 187	380 x 230	125
Double Triangular Cover & square Frame	GCPL – 116	150 x 150	100
Rectangular Cover & Frame	GCPL – 221	995 x 540	100
Quadruple Triangular Cover & Rectangular Frame	GCPL – 213	1220 x 696	160
Six Triangular Cover & Rectangular Frame	GCPL – 214	1830 x 696	160
Hinged Circular Cover & Frame	GCPL – 111	600 Dia	100
Hinged double square Cover & Rectangular Frame	GCPL – 113	1310 x 610	100
Hinged double square Cover & Rectangular Frame	GCPL – 114	915 x 445	100
Cover PIL09/12/PP25 Frame PIL09/12PP23	LOTIS D400 (PIL 01/14PE33)	610 Diameter	100

First Issued: 2013-03-13

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No. KM 596031

**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

**Ductile Iron Manhole Tops
Class D400 (continued)**

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Double Triangular Cover & square Frame	GCPL – 119	750 x 750	100
Double Triangular Cover & square Frame	GCPL – 120	750 Diameter	100
Rectangular Cover & Frame	GCPL – 136	750 x 600	100
Double Triangular Cover & square Frame	GCPL – 118	675 Dia.	100
SS GRP ST Square Frame & Circular Cover	GCPL – 390	150 Dia.	100
HT DI Lockable Surface Box	GCPL – 166	150 Dia.	200
DT Surface Box	GCPL – 117	225 x 225	100
SS GRP ST Square Frame & Circular Cover	GCPL – 389	300 Dia.	100
DT GRP Frame & Cover	GCPL – 394	300 x 300	100
DS ST Frame & Cover	GCPL – 142	300 x 300	75
RT DS Frame & Cover	GCPL – 196	300 x 300	90
Frame & Cover	GCPL – 254	380 x 320	125
DT Surface Box	GCPL – 252	445 x 280	100
DS ST Frame & Cover	GCPL – 143	450 x 450	75
DT Frame & Cover	GCPL – 123	450 x 450	100
RT DS Frame & Cover	GCPL – 197	450 x 450	90
DT Frame & Cover	GCPL – 152	450 x 600	100
SS Frame & Cover	GCPL – 431	435 x 435	75
ST Frame & Cover	GCPL 154	600 x 450	100

First Issued: 2013-03-13
Latest Issue: 2022-01-10

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Page: 7 of 19

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Kitemark™ Certificate

No. KM 596031

**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Manhole Tops

Class D400 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
SS ST Frame & Cover	GCPL-146	600 x 600	100
DT GRP Frame & Cover (with 10mm GRP Lip for Qatar)	GCPL 173	600 x 600	100
DS ST Frame & Cover	GCPL-130	600 x 600	100
HT SL Frame & Cover	GCPL-434	580 Dia.	30
DS RT Frame & Cover	GCPL-157	600 x 600	90
DS ST GRP Hinge Type Lockable Frame & Cover	GCPL 224	600 Dia.	100
SS GRP HT Lockable ST Square Frame & Circular Cover	GCPL-341	600 Dia.	100
Double Hinge GRP Frame & Cover	GCPL-428	600 Dia.	100
HT Self Lock Square Frame & Circular Cover	GCPL-344	600 Dia.	100
HT Self Lock Frame & Cover	GCPL-330	600 Dia.	100
ST GRP Square Frame & Circular Cover	GCPL-417	605 Dia.	100
ST GRP Frame & Semi-Circular Cover	GCPL-175	600 Dia.	100
ST GRP Square Frame & Circular Cover	GCPL-416	675 Dia.	100
HT GRP ST Cover with Square Frame	GCPL - 316	675 Dia.	100
DT GRP Frame & Cover	GCPL – 159	675 x 675	100

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Kitemark™ Certificate

No. KM 596031

**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Manhole Tops

Class D400 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
DT HT Frame & Cover (BHN)	GCPL – 411	675 x 675	100
DT HT Lockable Frame & Cover (BHN)	GCPL – 418	675 x 675	100
HT Frame & Cover	GCPL – 375	750 Dia.	100
SS Frame & Cover	GCPL – 433	700 x 700	75
DT Frame & Cover	GCPL – 398	750 x 450	100
RT Frame & Cover	GCPL – 402	750 x 450	90
DT HT Lockable Frame & Cover	GCPL – 404	750 x 450	100
DT Frame & Cover	GCPL – 239	750 x 750	100
DT Frame & Cover	GCPL – 240	750 x 750	150
DT HT Frame & Cover	GCPL – 405	750 x 900	100
DT Frame & Cover	GCPL – 427	750 x 900	100
SS ST Frame & Cover	GCPL – 198	800 x 800	100
DS ST Frame & Cover	GCPL – 227	800 x 800	100
Hinge Type Lockable Frame & Cover	GCPL – 325	800 Dia.	125
DS RT Frame & Cover	GCPL – 251	800 x 800	90
DT GRP Frame & Cover	GCPL – 338	900 x 600	100
DT Frame & Cover	GCPL – 237	900 x 600	100
DT Frame & Cover	GCPL – 238	900 x 600	150
DT GRP Frame & Cover	GCPL – 399	900 x 600	100
DT GRP Frame & Cover	GCPL – 332	900 x 900	100

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Ductile Iron Manhole Tops

Class D400 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
DS ST Frame & Cover	GCPL – 153	900 x 900	100
HT Lockable Multi Cover & Frame	GCPL – 324	1000 x 600	100
DS St Frame & Cover	GCPL – 226	1000 x 1000	100
DT Cover & Frame	GCPL – 296	1000 x 1000	100
ST SS Frame & Cover	GCPL – 138	1000 x 1000	100
GRP HT Lockable Multi Cover & Frame	GCPL – 327	1200 x 600	100
DT Frame & Cover	GCPL-247	1220 x 675	100
DT Frame & Cover	GCPL-248	1220 x 675	150
Multi Cover GRP Frame & Cover	GCPL-328	1800 x 600	100
HT Self Lock Round Frame & Cover	GCPL - 343	600 Dia.	100
HT Lockable Frame & Cover	GCPL - 397	900 Dia	75
SS ST GRP Frame & Cover	GCPL – 271	600 Dia	75
SS ST GRP Frame & Cover	GCPL - 199	600 x 600	80
SS ST GRP Frame & Cover	GCPL - 273	750 Dia	75
SS ST GRP Frame & Cover	GCPL - 277	750 x 600	75
DS ST GRP Lockable Manhole Frame & Cover	GCPL - 212	600 x 600	100
DS ST GRP Lockable Manhole Frame & Cover	GCPL - 168	600 x 600	75
SS ST GRP Frame & Cover	GCPL - 275	900 Dia	80
SS ST Frame & Cover	GCPL - 385	750 x 450	100
DT Hinge type lockable multi cover & Frame	GCPL – 388	900 x 600	100
Double triangular cover and square frame	GCPL-517-A	750 x 750	100
Double triangular cover and square frame (Circular opening)	GCPL-518-A	750 x 750	100

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**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Manhole Tops

Class E600

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
DS ST Frame & Cover	GCPL – 519-A	750 x 750	150
HT Lockable Multi Cover & Frame	GCPL – 520-A	750 x 750	150

**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Gully Tops

Class B125

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Frame & Grate	GCPL – 366	300 x 300	40

Class C250

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
HT Frame & Grate	GCPL – 241	325 x 325	75
Frame & Grate	GCPL – 429	696 x 275	35
Heavy Duty Frame & Gully Cover	GCPL - 190	470 x 470	150
Heavy Duty Frame & Gully Cover	GCPL - 201	470 x 470	120
Heavy Duty Frame & Gully Cover	GCPL – 288	470 x 470	100

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**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Gully Tops

Class D400

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Double Triangular Grate & Frame	GCPL – 106	440 x 400	100
Grate & Frame	GCPL – 107	440 x 380	100
Hinged Grate & Frame	GCPL – 108	500 x 350	100
Double Triangular Grate & Frame	GCPL – 109	600 x 600	100
Channel & Grate	GCPL – 110	750 x 300	76.5
Hinged Rectangular Kerb Gully & Frame	GCPL – 122	550 x 400	200
Hinged Square Gully Top & Frame	GCPL – 132	600 x 600	100
Lockable rectangular Channel & Grate	GCPL - 266	600 x 300	100
Double Triangular Gully Top & Three Flanged Rectangular Frame	GCPL - 144	450 x 450	100

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**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Gully Tops

Class D400 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Hinged Rectangular Gully Top & Three Flanged Rectangular Frame	GCPL - 183	450 x 450	100
Hinged Rectangular Side Entry Gully Top & Rectangular Frame	GCPL - 191	848 x 343	205
Frame & Grate	GCPL - 210	300 x 300	75
HT Frame & Grate	GCPL - 323	385 x 320	100
Frame & Grate	GCPL - 253	400 x 400	100
HT Frame & Grate	GCPL - 184	430 x 370	100
HT Frame & Grate (Gully)	GCPL - 255	420 x 420	100
HT Frame & Grate	GCPL - 231	440 x 400	150
HT Frame & Grate	GCPL - 229	450 x 450	100
Frame & Grate (4 Flange)	GCPL - 155	450 x 450	100
Frame & Gully Cover	GCPL - 178	532 x 405	205

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**BS EN 124-2:2015 - Gully tops & manhole tops for vehicular & pedestrian areas.
Part 2: Gully tops & manhole tops made of cast iron.**

Ductile Iron Gully Tops

Class D400 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Frame & Grate	GCPL – 413	600 x 350	100
Frame & Grate	GCPL – 236	600 x 450	100
DT Grate & 3 Flange Frame	GCPL – 217	600 x 600	100
DT Frame & Grate	GCPL – 233	600 x 600	100
DT Frame & Grate	GCPL – 235	600 x 600	150
HT Frame & Grate (BHN)	GCPL – 415	600 x 600	100
DT HT Frame & Grate (BHN)	GCPL – 412	675 x 675	100
Channel & Grate	GCPL-207	750 x 150	75
Channel & Grate	GCPL-147	750 x 200	75
Channel & Grate	GCPL – 267	750 x 250	75
Lockable Channel & Grate	GCPL – 437	750 x 400	75
Lockable Channel & Grate	GCPL – 203	750 x 500	75
Lockable Frame & Grate	GCPL – 204	750 x 600	75
Frame & Gully Cover	GCPL – 410	800 x 405	205

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BS EN 124:1994 - Gully tops & manhole tops for vehicular & pedestrian areas.

Ductile Iron Manhole Tops with Galvanised Mild Steel Frames

Class B125

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Covers PIL05/13PP16 Frame PIL05/13PP11	LOT B 125 OPTIMAX (PIL 10/13 PE24)	428 x 248	50 x 30 x 5
Covers PIL05/13PP10 Frame PIL05/13PP11	LOT B 125 OPTIMAX (TELECOM) (PIL 10/13 PE25)	428 x 248	50 x 30 x 5
Covers PIL05/13PP09 Frame PIL04/13PP01	L1T B125 OPTIMAX (TELECOM) (PIL 04/13 PE15)	581 x 420	50 x 30 x 5
Covers PIL05/13PP08 Frame PIL04/13PP01	L1T B125 OPTIMAX (PIL 04/13 PE14)	581 x 420	50 x 30 x 5
Covers PIL05/13PP09 Frame PIL04/13PP08	1/2 L4T B125 OPTIMAX (TELECOM) (PIL 04/13 PE23)	941 x 531	50 x 30 x 5
Covers PIL05/13PP08 Frame PIL04/13PP08	1/2 L4T B125 OPTIMAX (PIL 04/13 PE22)	941 x 531	50 x 30 x 5

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BS EN 124:1994 - Gully tops & manhole tops for vehicular & pedestrian areas.

Ductile Iron Manhole Tops with Galvanised Mild Steel Frames

Class B125 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Covers PIL05/13PP09 Frame PIL04/13PP02	L2T B125 OPTIMAX (TELECOM) (PIL 04/13 PE17)	1163 x 420	50 x 30 x 5
Covers PIL05/13PP08 Frame PIL04/13PP02	L2T B125 OPTIMAX (PIL 04/13 PE16)	1163 x 420	50 x 30 x 5
Covers PIL05/13PP09 Frame PIL04/13PP03	L3T B125 OPTIMAX (TELECOM) (PIL 04/13 PE19)	1410 x 531	50 x 30 x 5
Covers PIL05/13PP08 Frame PIL04/13PP03	L3T B125 OPTIMAX (PIL 04/13 PE18)	1410 x 531	50 x 30 x 5
Covers PIL05/13PP09 Frame PIL04/13PP04	L4T B125 OPTIMAX (TELECOM) (PIL 04/13 PE21)	1879 x 531	50 x 30 x 5
Covers PIL05/13PP08 Frame PIL04/13PP04	L4T B125 OPTIMAX (PIL 04/13 PE20)	1879 x 531	50 x 30 x 5

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Ductile Iron Manhole Tops with Galvanised Mild Steel Frames

Class C250

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Covers PIL04/13PP05 Frame PIL04/13PP01	L1T C250 OPTIMAX (PIL 04/13 PE01)	581 x 420	50 x 30 x 5
Covers PIL04/13PP06 Frame PIL04/13PP01	L1T C250 OPTIMAX (TELECOM) (PIL 04/13 PE02)	581 x 420	50 x 30 x 5
Cover PIL04/13PP05 Frame PIL04/13PP08	1/2 L4T C250 OPTIMAX (PIL 04/13 PE09)	941 x 531	50 x 30 x 5
Cover PIL04/13PP05 Frame PIL04/13PP08	1/2 L4T C250 OPTIMAX (TELECOM) (PIL 04/13 PE13)	941 x 531	50 x 30 x 5
Cover PIL04/13PP05 Frame PIL04/13PP02	L2T C250 OPTIMAX (PIL 04/13 PE03)	1163 x 420	50 x 30 x 5

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Ductile Iron Manhole Tops with Galvanised Mild Steel Frames

Class C250 (continued)

Description	Manufacturer's code	Nominal clear opening (mm)	Nominal Frame depth (mm)
Cover PIL04/13PP06 Frame PIL04/13PP02	L2T C250 OPTIMAX (TELECOM) (PIL 04/13 PE04)	1163 x 420	50 x 30 x 5
Cover PIL04/13PP05 Frame PIL04/13PP03	L3T C250 OPTIMAX (PIL 04/13 PE05)	1410 x 531	50 x 30 x 5
Cover PIL04/13PP06 Frame PIL04/13PP03	L3T C250 OPTIMAX (TELECOM) (PIL 04/13 PE06)	1410 x 531	50 x 30 x 5
Cover PIL04/13PP05 Frame PIL04/13PP04	L4T C250 OPTIMAX (PIL 04/13 PE07)	1879 x 531	50 x 30 x 5
Cover PIL04/13PP06 Frame PIL04/13PP04	L4T C250 OPTIMAX (TELECOM) (PIL 04/13 PE08)	1879 x 531	50 x 30 x 5

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Manufacturing location :

Global Castings Pvt. Ltd.
Mouza Mirzapur/ Kamnara
De&ighi, Palitpur
Dist & P.S. Burdwan
West Bengal
713 102
India



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