



شركة مصنع أنظمة الأنابيب السعودي المحدودة
SAUDI PIPES SYSTEMS CO. LTD.®

MANHOLE

COVERS & GRATINGS LINE



Only products bearing NSF logo are certified



Only products bearing UL logo are certified



Only products bearing WRAS logo are certified



وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture
Kingdom of Saudi Arabia





TABLE OF CONTENTS

INTRODUCTION	MA-2
CAST IRON MANHOLE COVER & FRAME	
Square Cover and Frame	MA-6
Square Cover Steel Frame	MA-12
Circular Cover square Frame	MA-16
Circular Cover and Frame	MA-18
DUCTILE IRON MANHOLE COVER & FRAME	
Circular Cover and Frame	MA-21
Ductile Iron Channel Grating	
Square Cover and Frame	MA-26
Rectangular Cover and Frame	MA-30
Cast Iron Channel Gratings	
Rectangular Frame and Frame	MA-33
Square Cover and Frame	MA-35
CAST IRON GULLY GRATINGS	
Square Cover and Frame	MA-37
Square Cover Rectangular Frame	MA-39
CAST IRON GULLY GRATINGS	
Circular Cover and Frame	MA-41
DUCTILE IRON GULLY GRATINGS	
Square Cover and Frame	MA-43
CAST IRON TREE GRATINGS	
Square Cover and Frame	MA-45
Approvals	MA-47

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



ABOUT US

Saudi Pipes Systems Co. Ltd. (SPS), founded in 1995, designs and manufactures Ductile Iron Valves and Fittings, Fire Hydrants, HDPE, GRP and Pre-insulated pipes, and Manhole covers and gratings for water distribution, water transmission, irrigation and water treatment. The company is well poised to support and develop each project worldwide with a full range of water solutions.

SPS is an ISO 9001-2015 certified company and offers the most comprehensive range of products for the use of both potable and sewage applications in the Middle East. Being at the forefront of innovation means that its customers constantly receive state of the art products and top class services.

SPS Products are approved with major government authorities such as: The Ministry of Water and Electricity, Saline Water Conversion Corporation (SWCC), Royal Commission for Jubail & Yanbu and Saudi Electricity Company.

SPS also has Aramco approval for HDPE and SASO Quality Mark approval.

MANUFACTURING FACILITIES & SUSTAINABILITY

SPS has four manufacturing facilities in Saudi Arabia, which are all located in phase 4 in Jeddah's industrial zone area. In order to sustain and lengthen the company's growth, SPS acquired the kingdom's first foundry, formerly known as "Quality Casting" that started its operations over 40 years ago, taking its expertise, SPS decided to enlarge the foundry's size and upgrade its machines over the past decades with fully automated production lines, resulting in outstanding casting quality that can keep up with the markets high volume demands.

At the same time all products and facilities are subject to strict quality controls in accordance with BS, EN, DIN, SASO, Aramco and ISO standards.

SPS Goals are to provide high quality products and cost-effective advanced solutions. We also aim to provide our customers with the best product specifications and the highest international standards by using and investing in innovative engineering techniques and specialized expertise.



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FOUNDRY CASTING FACTORY

Saudi Pipe Systems Co. Ltd. (SPS) offers the most comprehensive range of ductile Iron Valves, Fittings, Manhole covers and Gratings in both potable and sewage applications in the Middle East. Being at the forefront of the innovation means that its customers constantly receive state of the art products and top class services.

SPS has a wide range of fittings designed and developed according to the related international standards (BS, EN and ISO). The foundry has high capacity facilities with precise CNC machines operated by highly qualified staff alongside a specialized team that keeps all our testing equipment readily calibrated in order to maintain accurate positive results and efficiency.

VALVES PLANT

SPS was founded in 1995 to produce valves for potable and treatment water. It had become one of the leading establishments of its sector in a short time. As manufacturers, SPS has a wide range of valves in the water and waste-water matters sector. Individually manufactured special valves and complete solutions are

also part of our range of products. Our products have been subjected to pressure and performance tests before sales by the quality control department, and technical support services have been given at the installation operation and maintenance stages, after sales, by our experienced engineers. Our customers' satisfaction has top priority for us and has been confirmed by certification in accordance with ISO 9001:2015. Our valves are certified in accordance with the regulations required by the WRAS, UL/FM, SASO and ISO 9001:2015.

Production: The factory relies on the production capacity of the other two units and the participation of selected third-party partners. The complete manufacturing process includes the following steps: Casting, Machining, Coating, Assembly and Quality Control

MANHOLE COVERS AND GRATINGS

SPS with its experience of nearly twenty-five years produces, as per order, a range of cast iron and grey ductile iron. Mainly drainage manhole covers, gas, telecom, sewerage, electricity lids and gratings.

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



SPS manages the whole production process: from product design to manufacturing to distribution and sales. Improving itself by continuous Research and Design activities, and by being the leader in its sector, SPS provides high performance solutions particularly in the field of manhole covers and gratings.

On top of our intense R&D activities, is the design and development of quality and high performance ductile iron manhole covers and gratings with automatic locking systems.

These provide protection against unauthorized use and theft, and with gasket system noise pollution suppression, depending on the needs of water and gas features, which are in compliance with EN 124 Standard.

GLASS REINFORCED PLASTIC (GRP) PIPES:

GRP pipes are manufactured using the process of Continuous Filament Winding (CFW).

Famous for being light weight, easy to install and deterioration resistant, our GRP pipes are rust proof and hence do not require periodic maintenance. Their resistance to

water and sewage systems' acidic environment are another advantage.

Our GRP pipes are mainly used for transporting drinking water, sewage drainage and seawater, in addition to desalination water, chemical and industrial residues, fire-fighting's systems cooling systems and irrigation.

GRP pipes and fittings are produced in diameters ranging from 80mm to 2800mm.

PRE-INSULATED PIPES AND FITTINGS

SPS manufactures pre-insulated pipes for district cooling, oil and gas and other industrial applications using both insulation methods of injected foam or sprayed foam depending on customer requirements.

The core pipe can be supplied in either Polyethylene (PE) Cross-linked polyethylene (PEX), steel or Glass Reinforced plastic (GRP) pipe, or the jacket pipe which are made from either high density polyethylene or GRP pipe. While the core pipes can range in sizes from 20mm up to 1500mm, the jackets can be made up to the size of 1750mm in diameter.



SPS pre-insulated pipes can also be supplied with leak detection system for district cooling applications depending on customer requirements.

The different types of jacket core pipe configurations include:

- * Steel - HDPE
- * Steel - GRP
- * HDPE-HDPE
- * HDPE- GRP
- * GRP- HDPE
- * GRP- GRP

HDPE (HIGH DENSITY POLYETHYLENE PIPES) PLANT

In January 2004 SPS established the most advanced plant with fully automated extrusion machines producing high density polyethylene pipes (HDPE) with a minimum

production output of 8,500 tons per year ranging of 16mm up to 630mm and with pressure rating 5 bars to 16bars.

This plant is measured at 11,250 square meters, and it is located at Jeddah industrial Zone – Phase 5. The above factory specializes in production of HDPE pipes from very small to big sizes.

The factory uses most advanced machinery and equipment which are operated by well qualified engineers and technicians. The SPS plant was certified by Aramco as an approved Aramco Supplier and manufacturer in May 2017, with the approved Vendor Code Number. 10025856, and Plant No. 30003130.



CAST IRON MANHOLE COVERS AND FRAMES

SQUARE COVER AND FRAME

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



SAUDI PIPES SYSTEMS CO. LTD.

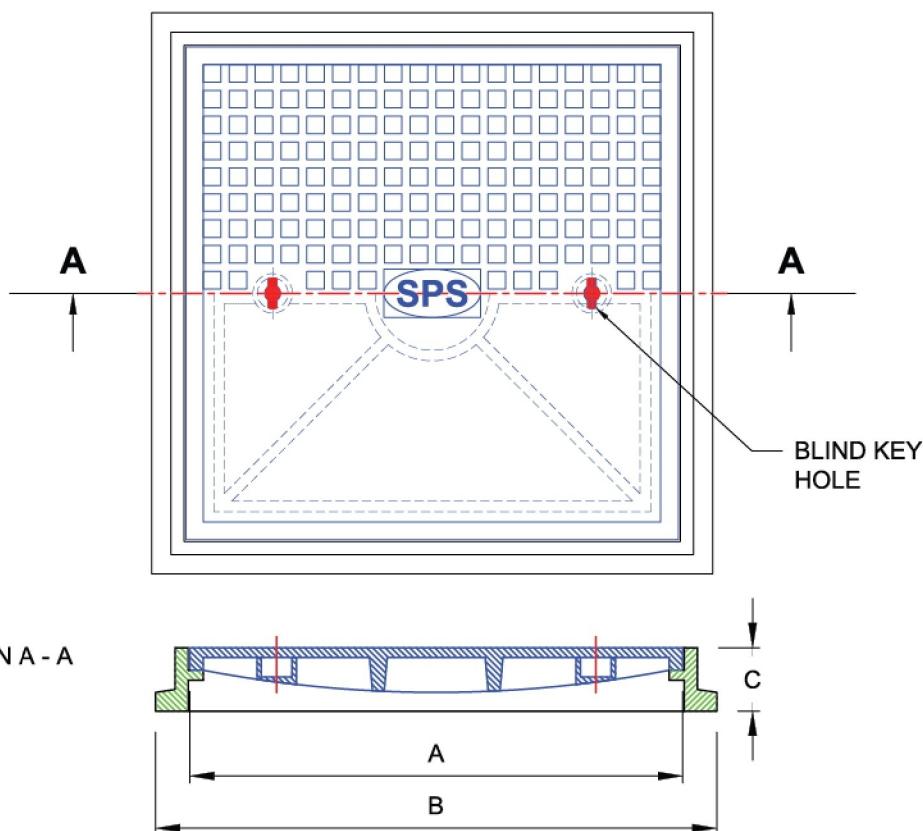
CATEGORY : CAST IRON MULTI DUTY MANHOLE COVER AND FRAME
DESCRIPTION : SQUARE COVER AND FRAME

Features :

- Single Seal
- Closed Key Holes
- Coating Cold Applied

Option :

- Ductile Iron
- Epoxy Coated
- Lockable



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MASS - 300 MD	300 x 300	420 x 420	50	40	40	BS 497
MASS - 300 HD	300 x 300	420 x 420	50	40	40	BS 497
MASS - 400 LD	400 x 400	500 x 500	50	34	1	BS 497
MASS - 400 MD	400 x 400	515 x 515	50	55	40	BS 497
MASS - 400 HD	400 x 400	515 x 515	50	55	40	BS 497
MASS - 450 MD	450 x 450	570 x 570	50	67	15	BS 497
MASS - 500 LD	500 x 500	610 x 610	80	65	1	BS 497
MASS - 500 LD	500 x 500	700 x 700	80	80	1	BS 497
MASS - 500 MD	500 x 500	650 x 650	80	110	15	BS 497
MASS - 500 HD	500 x 500	650 x 650	150	150	35	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



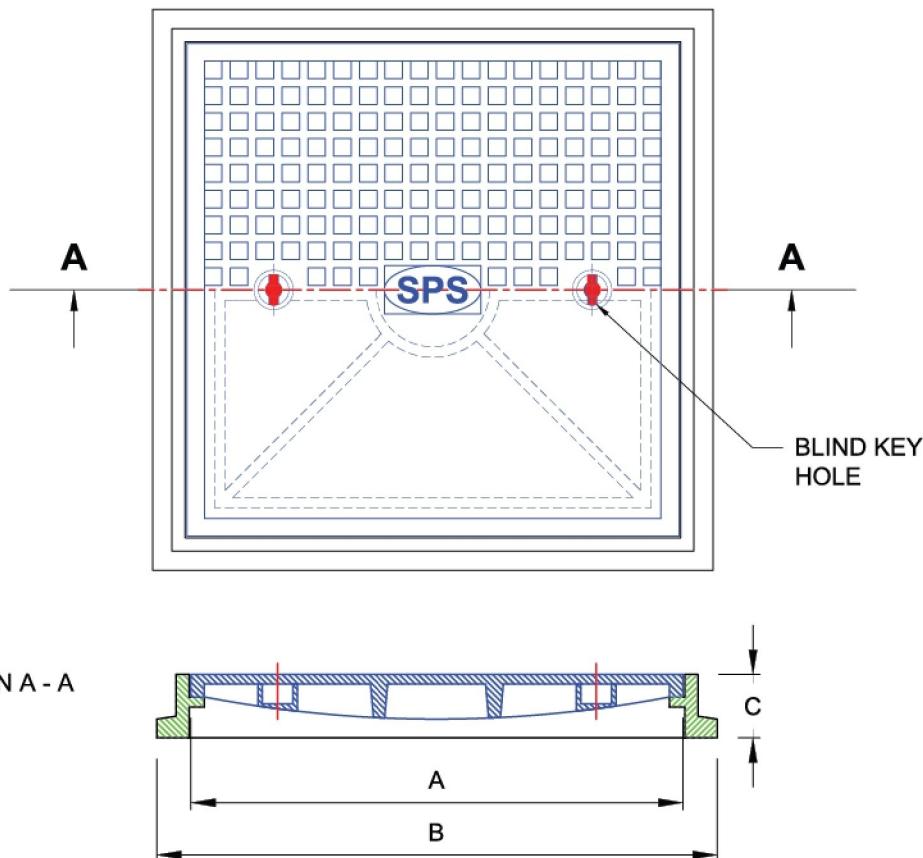
CATEGORY : CAST IRON MULTI DUTY MANHOLE COVER AND FRAME
DESCRIPTION : SQUARE COVER AND FRAME

Features :

- Single Seal
- Closed Key Holes
- Coating Cold Applied

Option :

- Ductile Iron
- Epoxy Coated
- Lockable



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MASS - 600 LD	600 x 600	760 x 760	100	95	1	BS 497
MASS - 600 MD	600 x 600	760 x 760	100	125	15	BS 497
MASS - 600 HD	600 x 600	760 x 760	100	165	35	BS 497
MASS - 700 LD	700 x 700	840 x 840	100	150	1	BS 497
MASS - 700 MD	700 x 700	840 x 840	100	190	15	BS 497
MASS - 700 HD	700 x 700	900 x 900	150	290	35	BS 497
MARS - 750600 MD	750 x 600	980 x 825	145	240	15	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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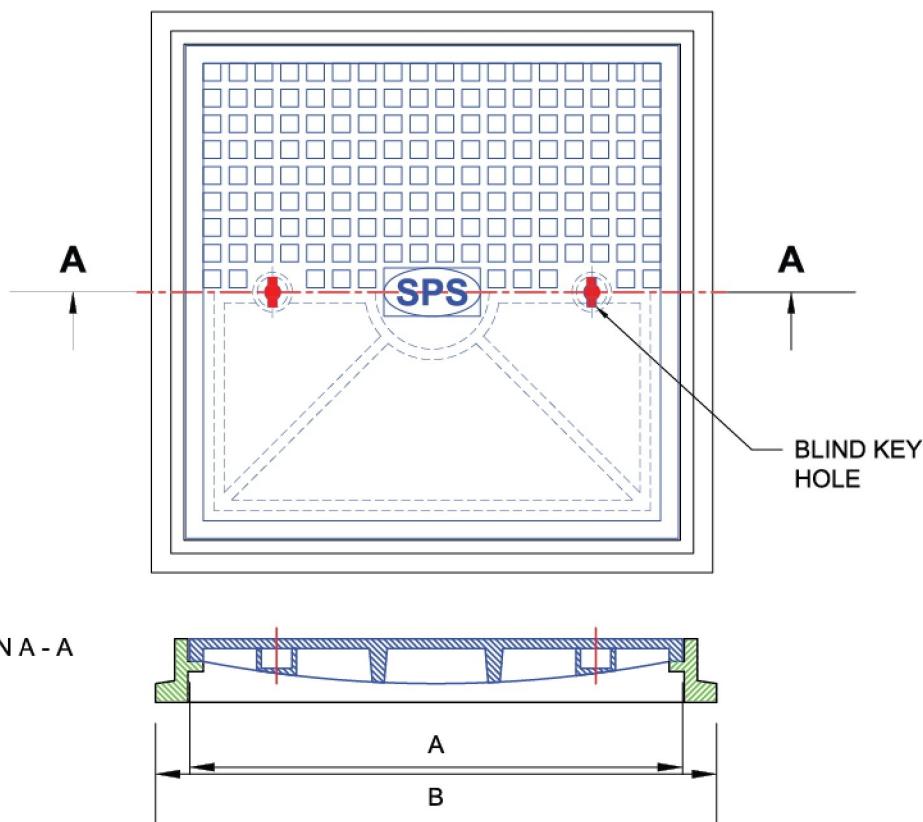
CATEGORY : CAST IRON MULTI DUTY MANHOLE COVER AND FRAME
DESCRIPTION : SQUARE COVER AND FRAME

Features :

- Single Seal
- Closed Key Holes
- Coating Cold Applied

Option :

- Ductile Iron
- Epoxy Coated
- Lockable



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B(mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MASS - 800 MD	800 x 800	980 x 980	100	270	15	BS 497
MASS - 800 HD	800 x 800	980 x 980	100	360	35	BS 497
MASS - 900 LD	900 x 900	1040 x 1040	100	235	1	BS 497
MASS - 900 HD	900 x 900	1130 x 1130	150	435	35	BS 497
MASS - 900 HD	900 x 900	1130 x 1130	185	470	35	BS 497
MARS - 900600 MD	900 x 600	1110 x 800	100	195	15	BS 497
MARS - 900600 HD	900 x 600	1125 x 825	180	335	35	BS 497
MASS - 1000 LD	1000 x 1000	1200 x 1200	80	320	15	BS 497
MASS - 1000 MD	1000 x 1000	1200 x 1200	80	400	15	BS 497
MASS - 1000 HD	1000 x 1000	1200 x 1200	80	450	35	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



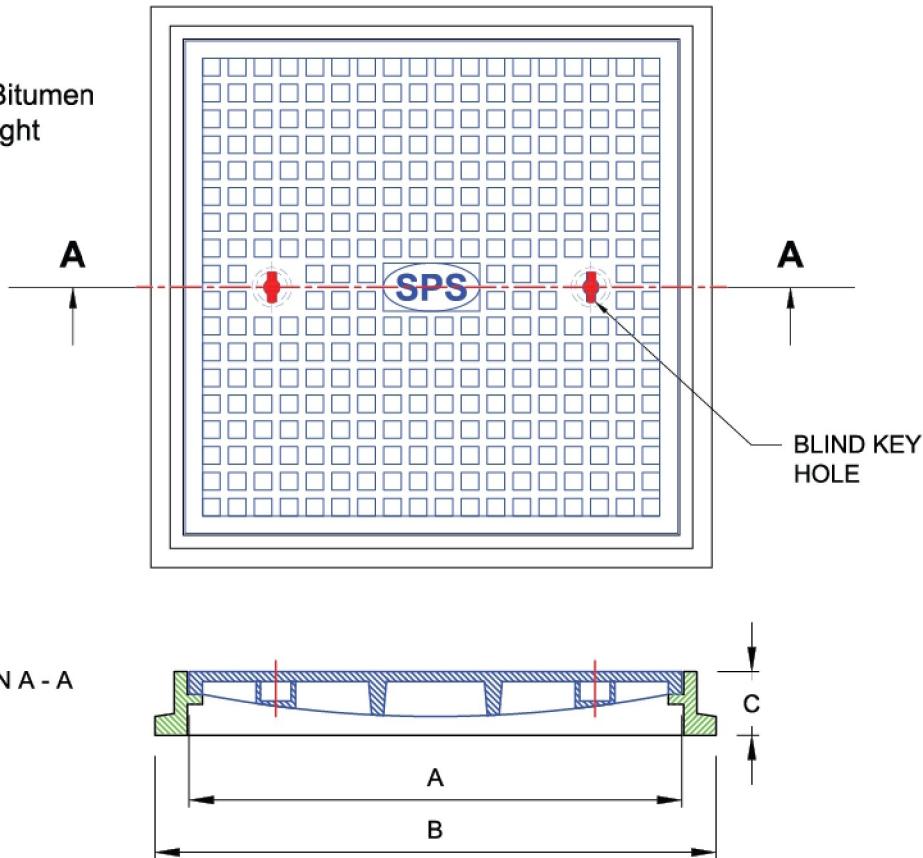
CATEGORY : CAST IRON MULTI DUTY MANHOLE COVER AND FRAME
DESCRIPTION : SQUARE COVER AND FRAME

Features :

- Double Seal
- Coating Cold Applied Bitumen
- Closed Key Hole Air Tight

Option :

- Ductile Iron
- Epoxy Coated
- Lockable



CATALOGUE NO.	CLEAR OPENING A (mm)	OVER BASE B (mm)	DEPTH C (mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MADS - 600 LD	600 x 600	790 x 790	100	105	1	BS 497
MADS - 600 MD	600 x 600	800 x 800	100	145	15	BS 497
MADS - 600 HD	600 x 600	800 x 800	80	185	35	BS 497
MADS - 800 HD	800 x 800	1000 x 1000	100	360	35	BS 497
MADS - 900 LD	900 x 900	1100 x 1100	80	260	1	BS 497
MADS - 900600 HD	900 x 600	1110 x 810	100	355	35	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



SAUDI PIPES SYSTEMS CO. LTD.

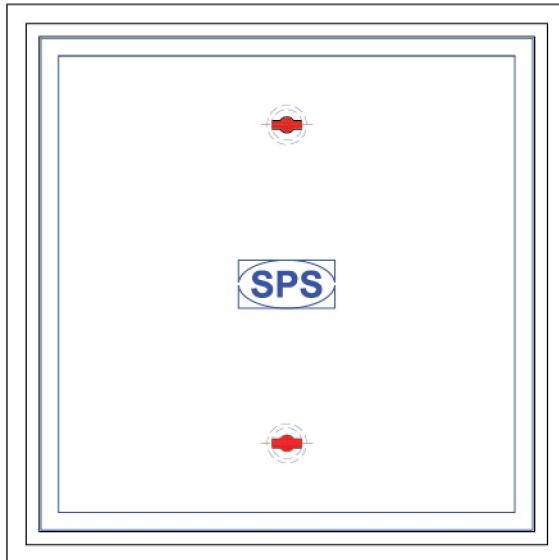
CATEGORY : RECESSED TYPE CAST IRON MANHOLE COVER AND FRAME
DESCRIPTION : SQUARE COVER AND FRAME

Features :

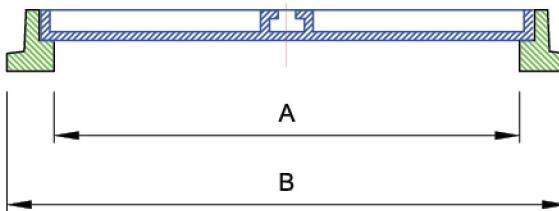
Double Seal
 Coating Cold Applied Bitumen
 Closed Key Hole Air Tight

Option :

Ductile Iron
 Epoxy Coated
 Lockable



SECTION A - A



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B(mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MASR - 400 MD	400 x 400	510 x 510	100	70	15	BS 497
MASR - 500 MD	500 x 500	610 x 610	110	90	15	BS 497
MASR - 600 MD	600 x 600	710 x 710	100	125	40	EN 124
MASR - 600 HDD	600 x 600	710 x 710	100	125	40	EN 124
MASR - 800 MD	800 x 800	960 x 960	120	295	15	BS 497

All Weight Are Subject to +/- 5%

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**CAST IRON MANHOLE
COVERS AND FRAMES**

**SQUARE COVER
WITH STEEL FRAME**

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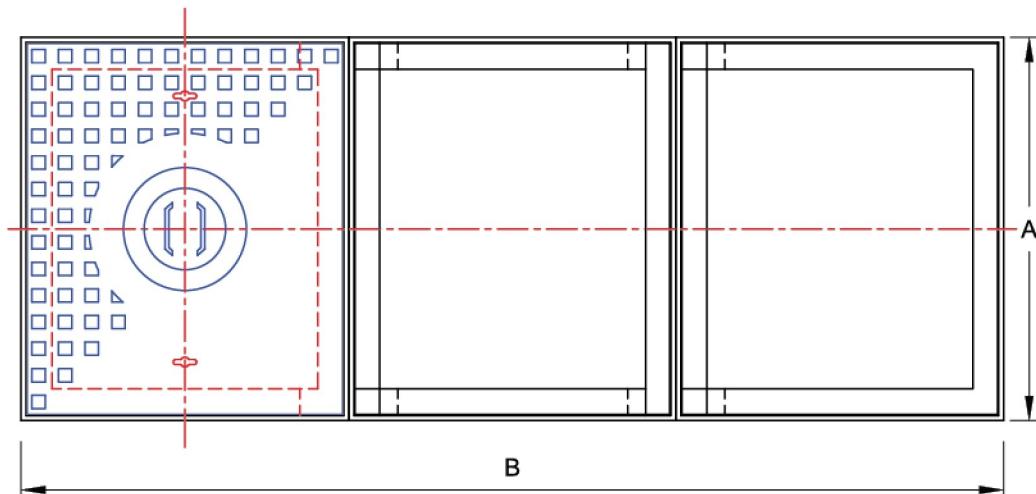
CATEGORY : MANHOLE COVER WITH STEEL FRAME
DESCRIPTION : SQUARE COVER AND FRAME

Features :

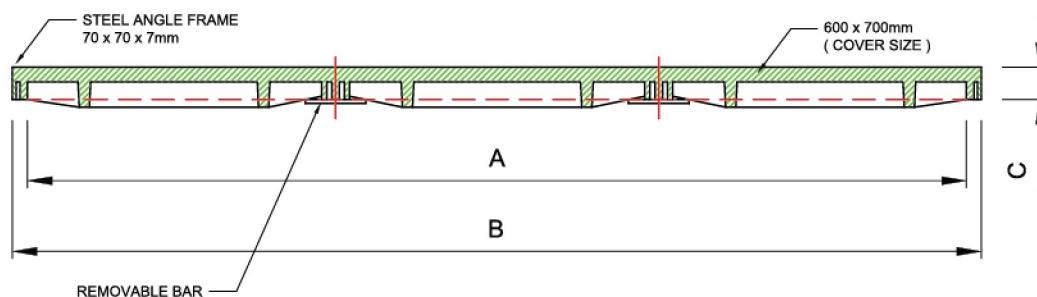
- Blind Key Hole
- Cast Iron
- Cold Applied Bitumen

Option :

- Ductile Iron
- Epoxy Coated
- Lockable



PLAN



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
PTT - 002	600 x 1800	720 x 1843	60	410	1	BS 497

All Weight Are Subject to +/- 5%

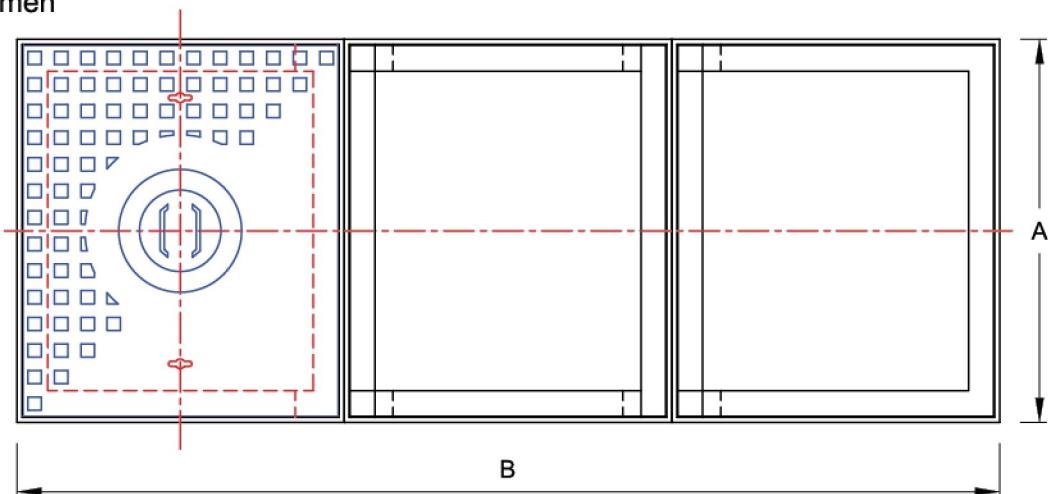
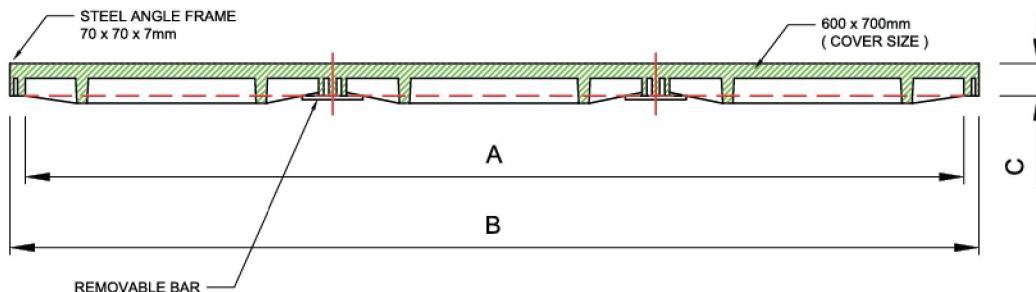
Design Mechanical Data, Dimension , Materials and weight are subject to change without notice


CATEGORY : MANHOLE COVER WITH STEEL FRAME
DESCRIPTION : SQUARE COVER AND FRAME
Features :

Blind Key Hole

Cast Iron

Cold Applied Bitumen

Option :
Ductile Iron
Epoxy Coated
Lockable**PLAN**

CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
PTT - 002	600 x 1800	720 x 1843	60	410	1	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



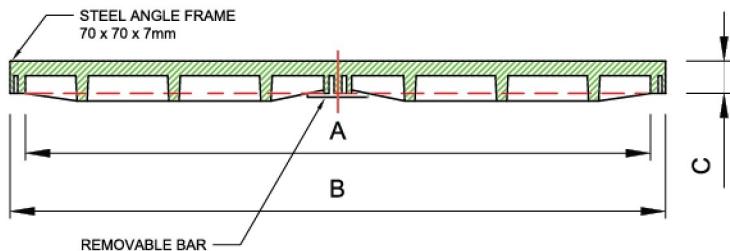
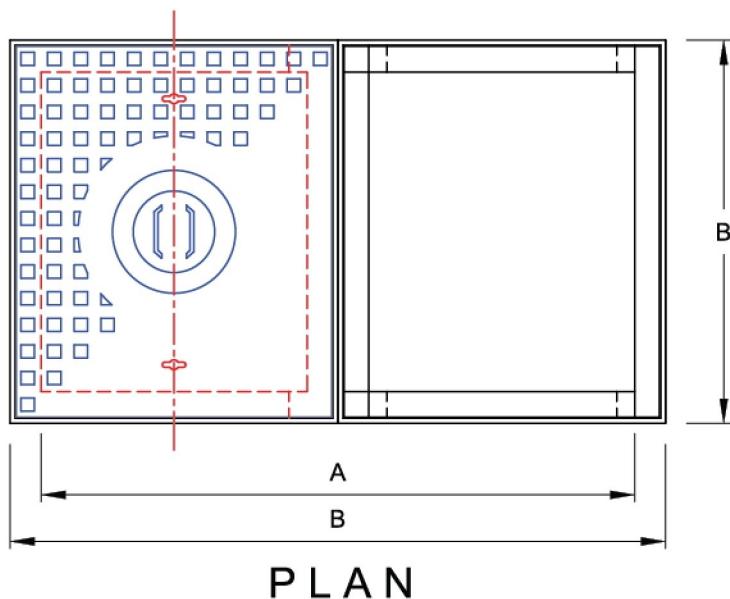
CATEGORY : MANHOLE COVER WITH STEEL FRAME
DESCRIPTION : SQUARE COVER AND FRAME

Features :

- Blind Key Hole
- Cast Iron
- Cold Applied Bitumen

Option :

- Ductile Iron
- Epoxy Coated
- Lockable



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B(mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
PTT - 001	600 x 1200	720 x 1230	60	270	15	BS 497

All Weight Are Subject to +/- 5%

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CAST IRON MANHOLE COVERS AND FRAMES

CIRCULAR COVER WITH SQUARE FRAME

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



CATEGORY : CAST IRON MANHOLE COVER AND FRAME

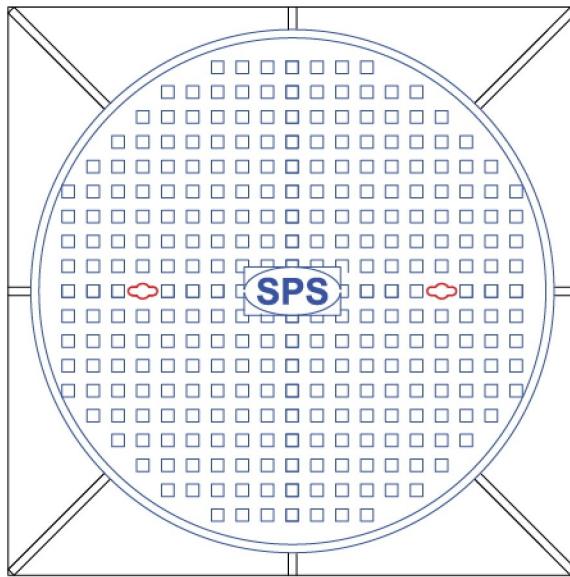
DESCRIPTION : SQUARE FRAME AND CIRCULAR COVER

Features :

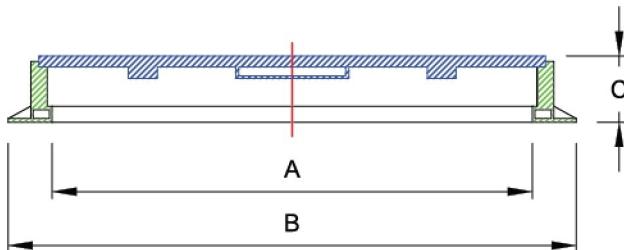
- Blind Key Hole
- Prising Slot
- Cold Applied Bitumen

Option :

- Ductile Iron
- Epoxy Coated
- Lockable



SECTION A - A



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MACS - 600 LD	600 DIA	750 x 750	100	135	1	BS 497
MACS - 600 MD	600 DIA	750 x 750	100	155	15	BS 497
MACS - 600 HD	600 DIA	780 x 780	150	200	35	BS 497
MACS - 600 HDD	600 DIA	800 x 800	100	120	40	EN 124

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SAUDI PIPES SYSTEMS CO. LTD.®



CAST IRON MANHOLE COVERS AND FRAMES

CIRCULAR COVERS AND FRAMES

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Tel.: +966 -12 -637 0999 / 608 1100, Fax: +966 -12 -636 5925 / 637 9439 Email: sps@pipes.sa - Website: www.pipes.sa



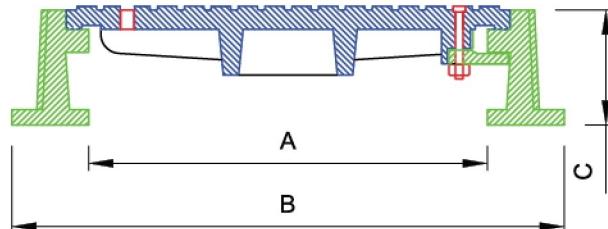
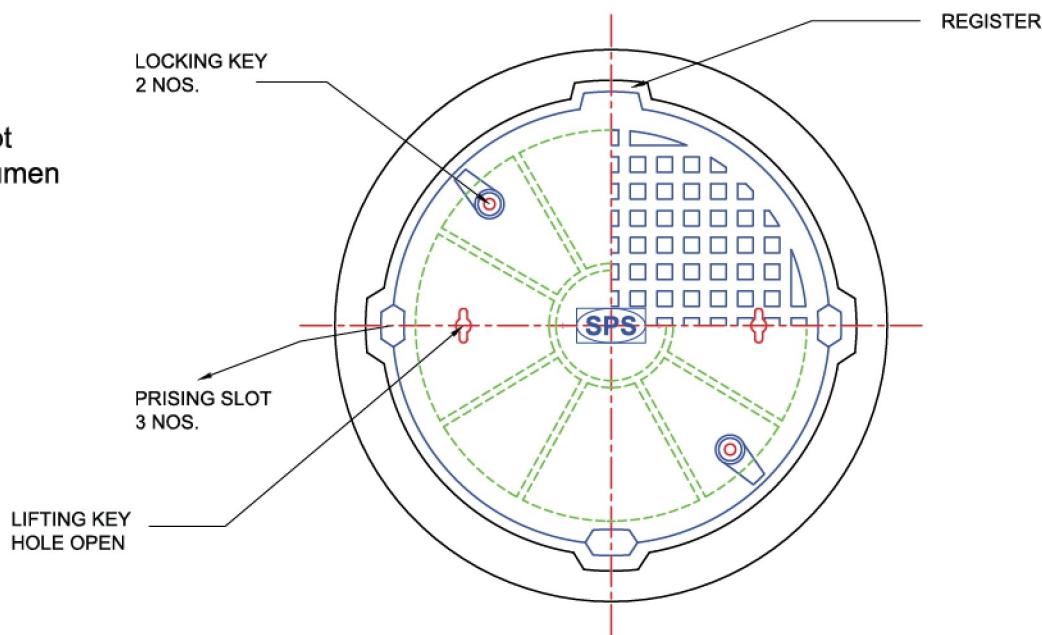
CATEGORY : CAST IRON MANHOLE COVER AND FRAME
DESCRIPTION : CIRCULAR COVER AND FRAME

Features :

- Key Hole
- Three Prising Slot
- Cold Applied Bitumen

Option :

- Ductile Iron
- Epoxy Coated
- Locking Device
- Mud Basket



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MACC - 600 LD	600 DIA	750 DIA	75	70	1	BS 497
MACC - 600 MD	600 DIA	750 DIA	75	100	15	BS 497
MACC - 600 MD	600 DIA	780 DIA	150	150	15	BS 497
MACC - 600 HD	600 DIA	810 DIA	150	200	35	BS 497
MACC - 600 HD	600 DIA	810 DIA	180	250	55	BS 497
MACC - 750 HD1	750 DIA	950 DIA	155	220	35	BS 497
MACC - 750 HD	750 DIA	1225 DIA	254	360	35	BS 497
MACC - 800 MD	800 DIA	1050 DIA	100	310	15	BS 497
MACC - 800 HD	800 DIA	1050 DIA	100	310	40	BS 497
MACC - 900 HD	900 DIA	1200 DIA	150	450	35	BS 497

All Weight Are Subject to +/- 5%

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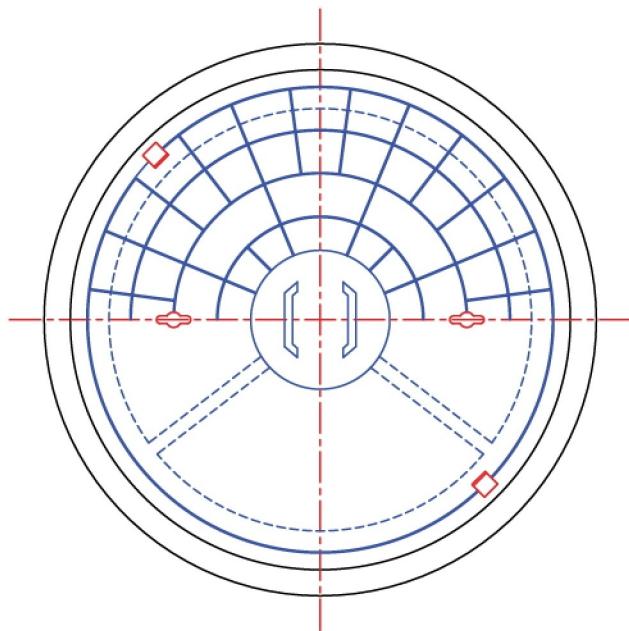
CATEGORY : HEAVY DUTY CAST IRON MANHOLE COVER AND FRAME
DESCRIPTION : CIRCULAR COVER AND FRAME

Features :

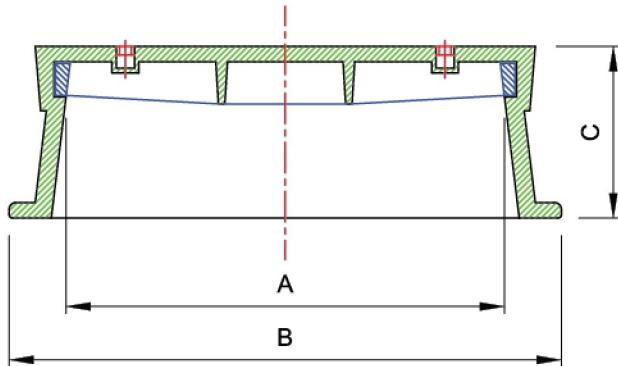
- Blind Key Hole
- Prising Slot
- Cold Applied Bitumen

Option :

- Ductile Iron
- Epoxy Coated



PLAN



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
PTT - 003	600 DIA	800 DIA	250	260	35	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



SAUDI PIPES SYSTEMS CO. LTD.



**CIRCULAR
COVER AND FRAME**

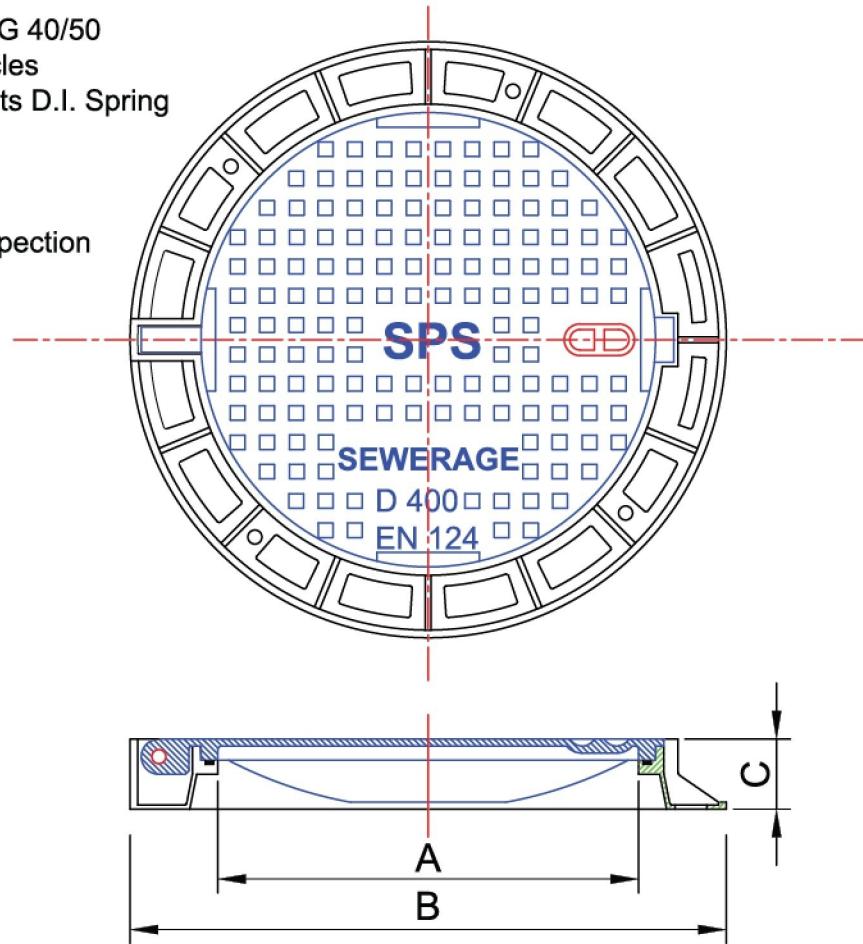
Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



CATEGORY : ANTI-THEFT DUCTILE IRON MANHOLE COVER
DESCRIPTION : CIRCULAR COVER AND FRAME

The Intelligent Solution Regarding Safety

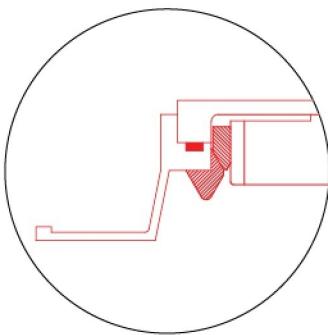
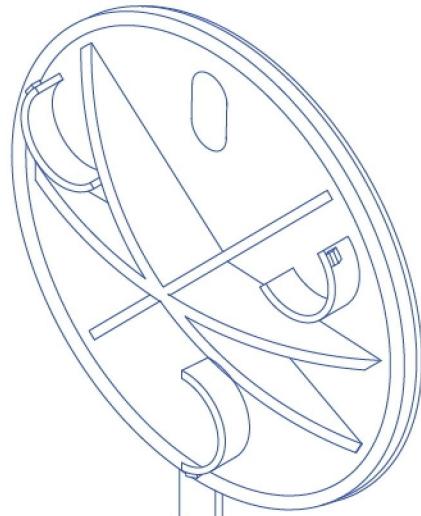
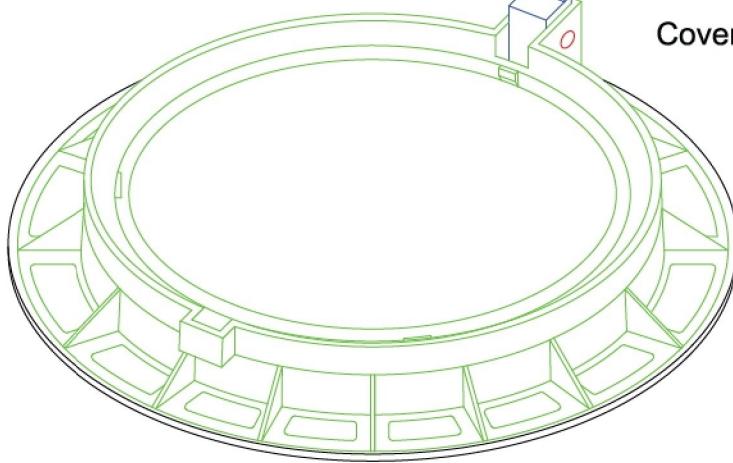
- Loading Class D400
- Made From Ductile Iron GGG 40/50
- For All Types of Road Vehicles
- Innovative Automatic 3 Points D.I. Spring Bar Locking System
- Easy Opening and Closing
- Cover Hinged with Frame
- 120 Degrees Position of Inspection



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B(mm)	DEPTH C(mm)	LOADING Tons	APPROX. WEIGHT Kgs	STANDARD
MACC - 600HHDD	600	850	100	35	57 - 65	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice

**CATEGORY : ANTI-THEFT DUCTILE IRON MANHOLE COVER****DESCRIPTION : CIRCULAR COVER AND FRAME****3 Point D.I. Spring Bar Locking System.****Automatic Locking System****Cover Hinged With Frame***Design Mechanical Data, Dimension , Materials and weight are subject to change without notice*



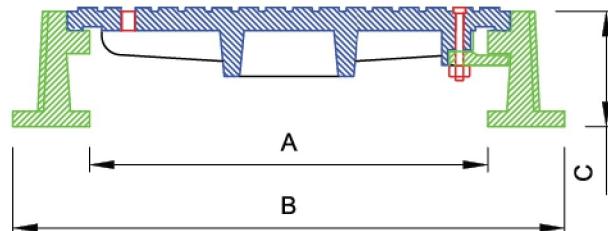
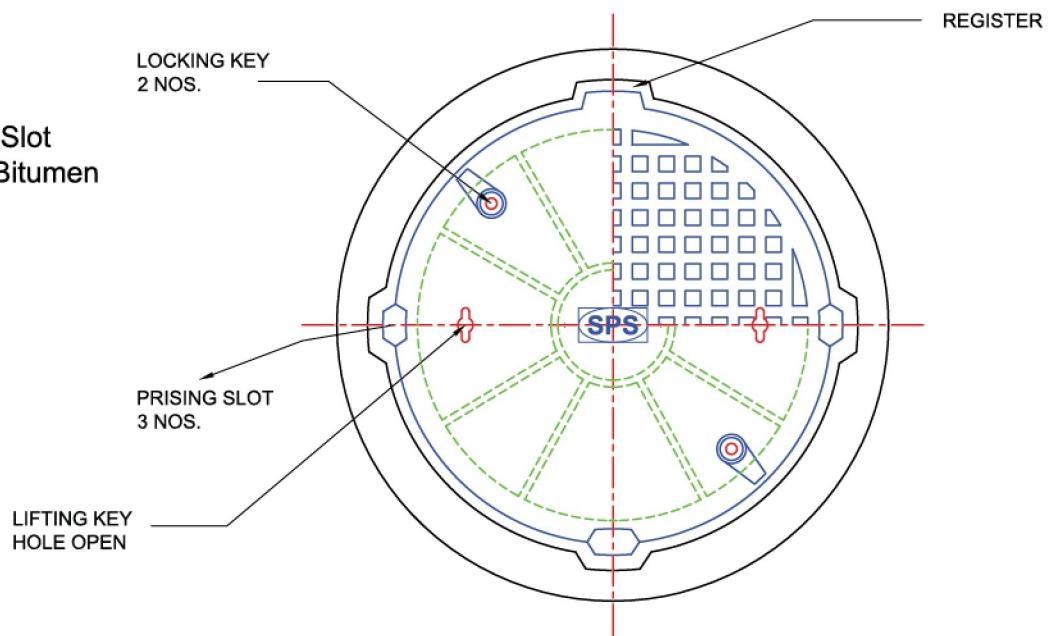
CATEGORY : DUCTILE IRON MANHOLE COVER AND FRAME
DESCRIPTION : CIRCULAR COVER AND FRAME

Features :

- Key Hole
- Three Prising Slot
- Cold Applied Bitumen

Option :

- Cast Iron
- Epoxy Coated



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MACC600HDD	600 DIA	750 DIA	100	120	40	BS 497
MACC600MDD	600 DIA	750 DIA	100	65	25	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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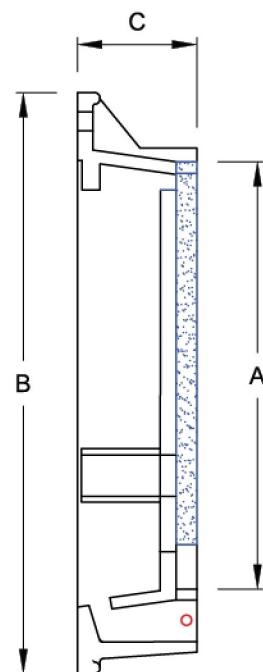
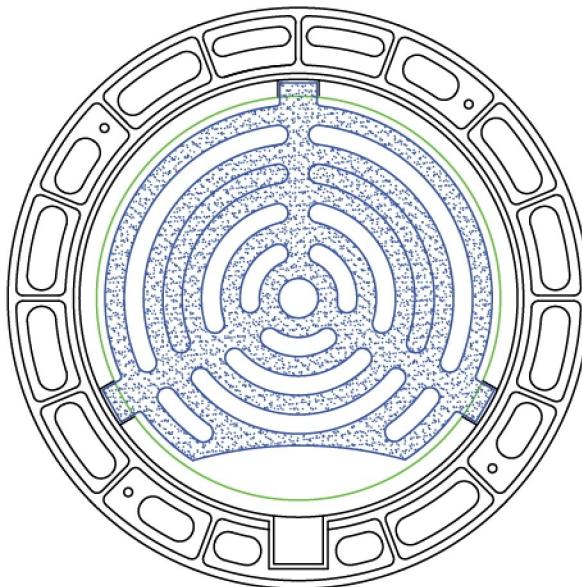
CATEGORY : DUCTILE IRON MANHOLE COVER AND FRAME
DESCRIPTION : CIRCULAR COVER AND FRAME

Features :

- Ductile Iron
- Cold Applied Bitumen
- Net and Key

Option :

- Cast Iron
- Epoxy Coated
- Lockable



CATALOGUE NO.	CLEAR OPENING A (mm)	OVER BASE B (mm)	DEPTH C (mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
MACC600HDDNK	600	850	100	85	40	EB 124

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



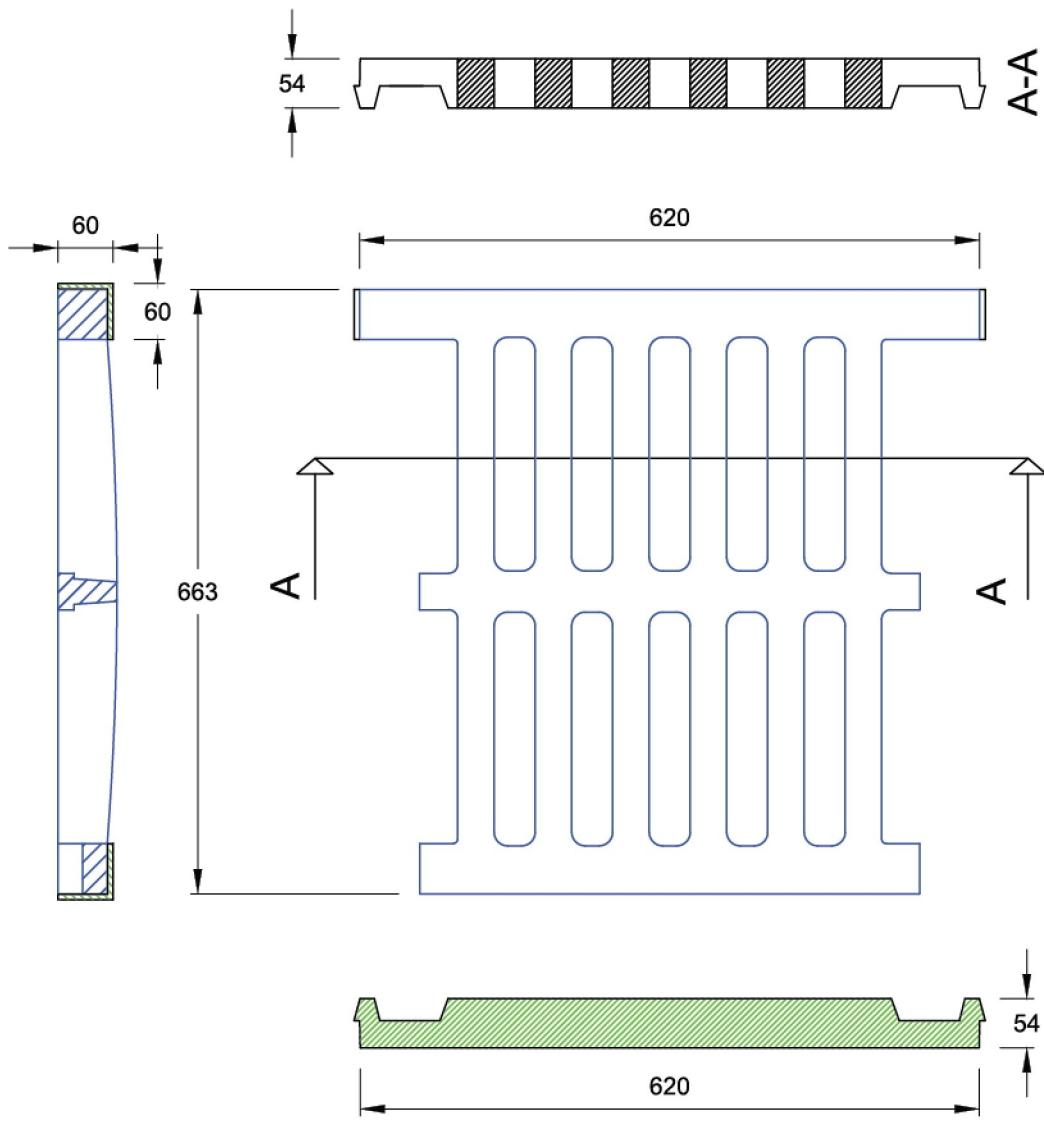
DUCTILE IRON CHANNEL GRATING

SQUARE COVERS AND FRAMES

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



CATEGORY : HEAVY DUTY D.I. AUTO LOCKING SYSTEM CHANNEL GRATING
DESCRIPTION : SQUARE COVER AND FRAME



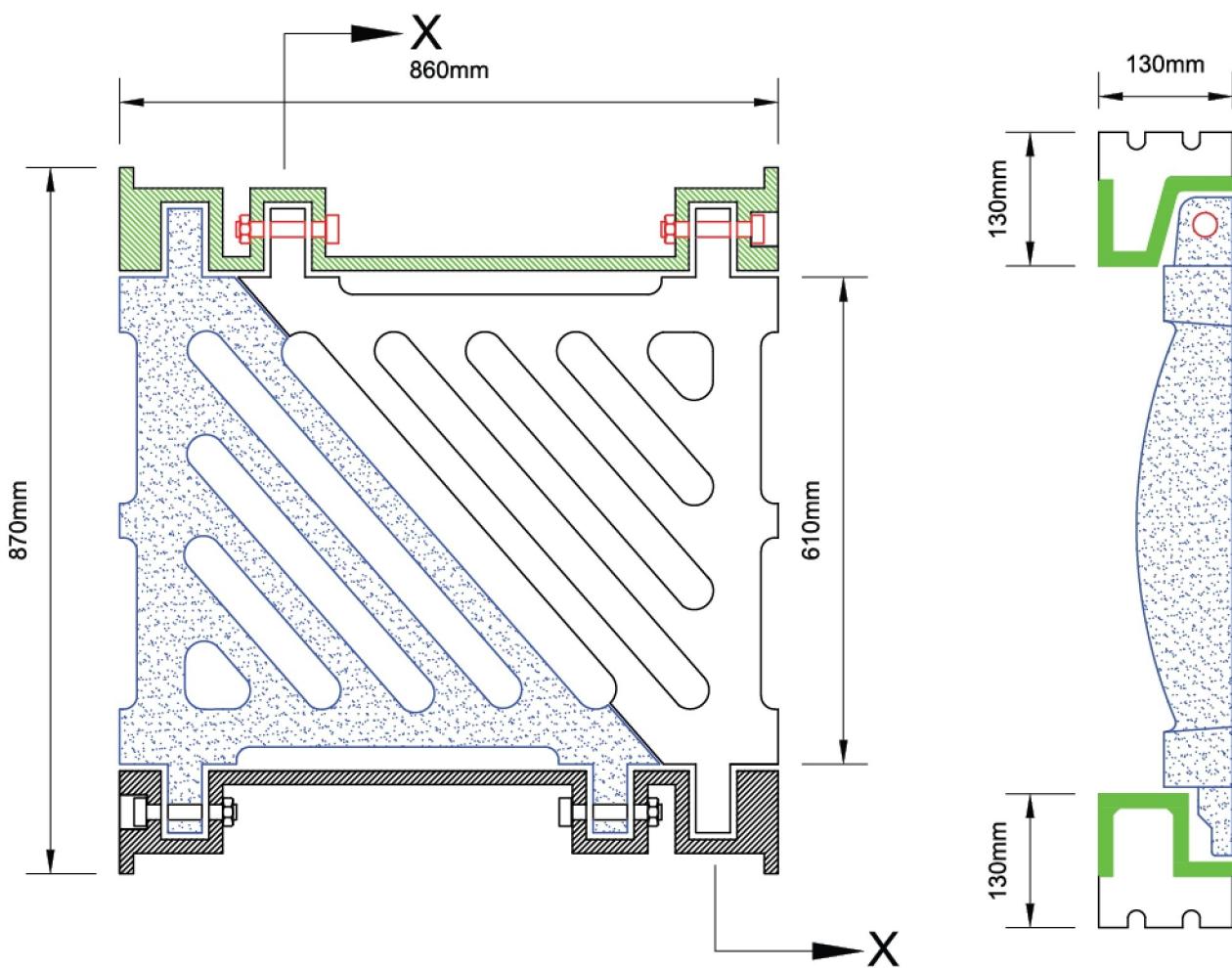
CATALOGUE NO.	CLEAR OPENING A (mm)	OVER BASE B (mm)	DEPTH C(mm)	LENGTH L (mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRR - 550 HHDD	550	663	60	500	75	40	EN 124

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



CATEGORY : HEAVY DUTY D.I. AUTO LOCKING SYSTEM CHANNEL GRATING
DESCRIPTION : SQUARE COVER AND FRAME



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRT - 600 HHDD	600	860 x 750	130	90	40	DIN 124
GRT - 600 HHDD	600	860 x 750	130	120	40	DIN 124

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



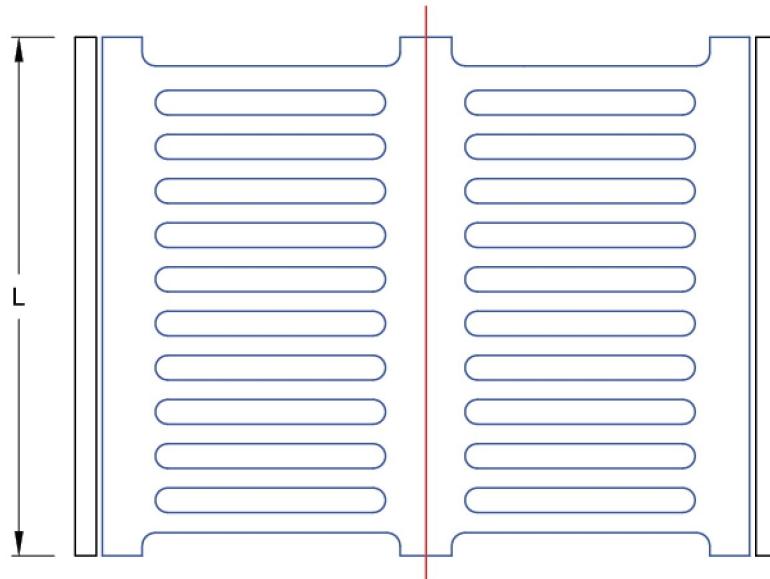
CATEGORY : DUCTILE IRON CHANNEL GRATING & STEEL ANGLE FRAME
DESCRIPTION : SQUARE COVER AND FRAME

Features :

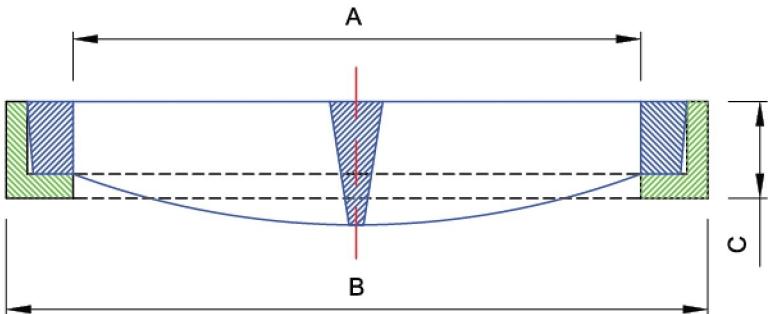
Coating Black Cold
Applied Bitumen

Option :

Cast Iron
Epoxy Coated
Cast Iron Frame



PLAN



CATALOGUE NO.	CLEAR OPENING A (mm)	OVER BASE B(mm)	DEPTH C(mm)	LENGTH L (mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRR2 - 250 HDD	270 x 2	663	54	500	75	40	EN 124

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



DUCTILE IRON CHANNEL GRATING

RECTANGULAR COVERS AND FRAMES

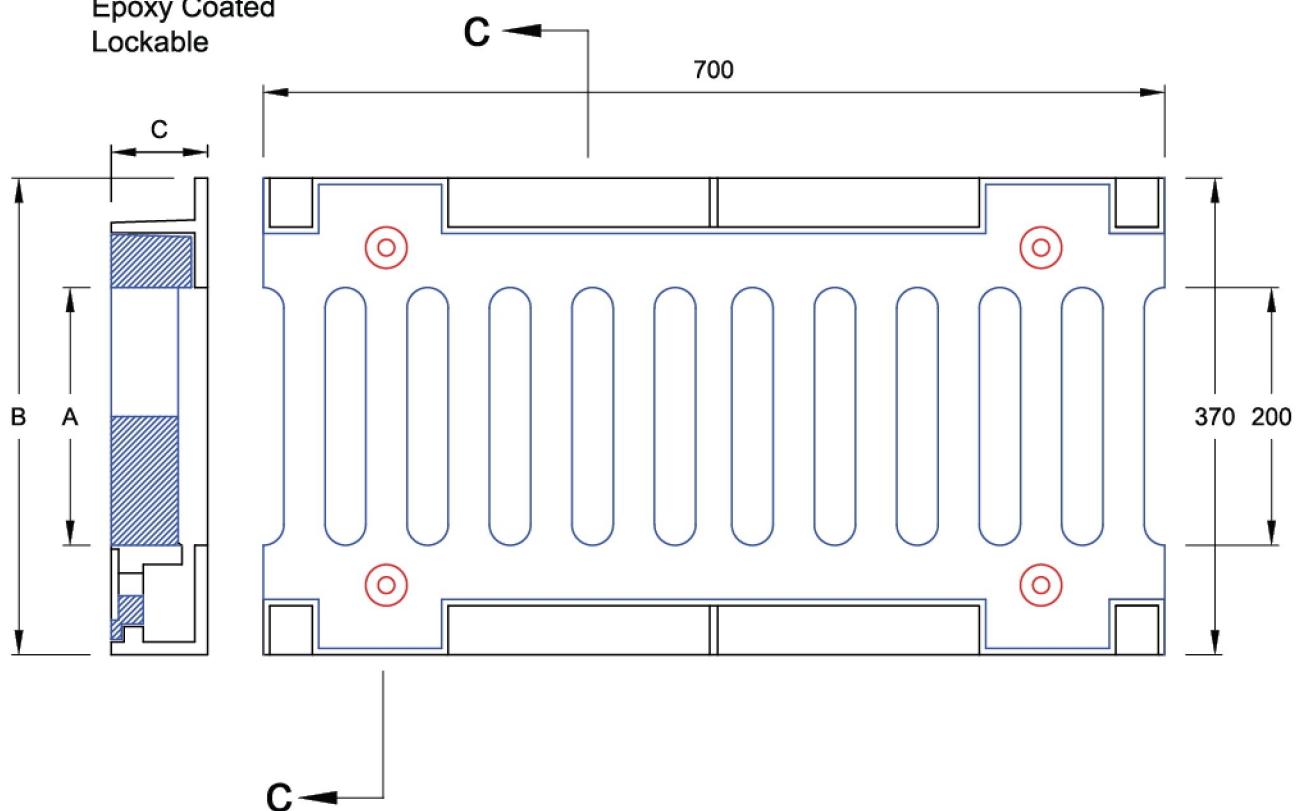
Design Mechanical Data, Dimension , Materials and weight are subject to change without notice


CATEGORY : DUCTILE IRON CHANNEL GRATING
DESCRIPTION : RECTANGULAR COVER AND FRAME
Features :

Locking Type
Cold Applied Bitumen

Option :

Cast Iron
Epoxy Coated
Lockable



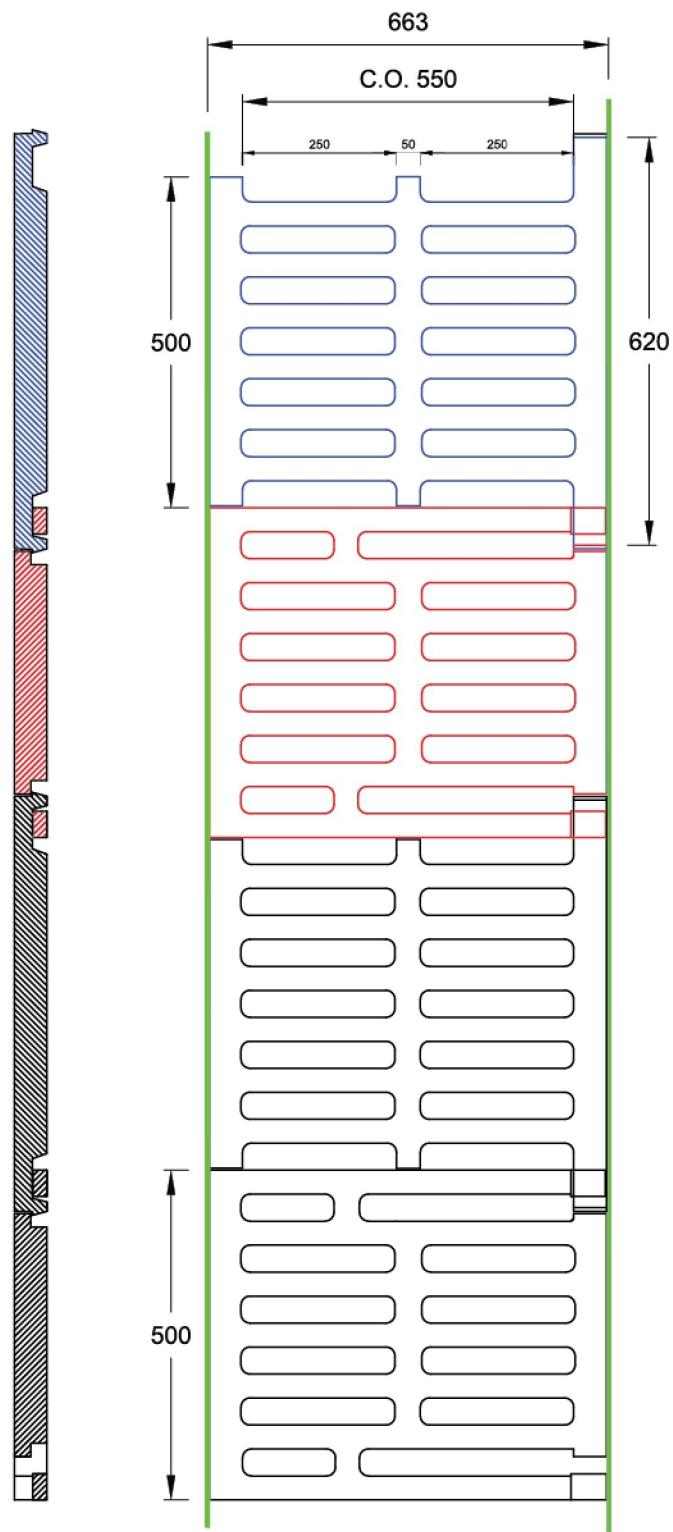
CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRR - 200HD	200 x 200	370 x 370	75	75	40	EN 124

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



CATEGORY : HEAVY DUTY D.I. AUTO LOCKING SYSTEM CHANNEL GRATING
DESCRIPTION : RECTANGULAR COVER AND FRAME



Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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CAST IRON CHANNEL GRATING

RECTANGULAR COVERS AND FRAMES

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



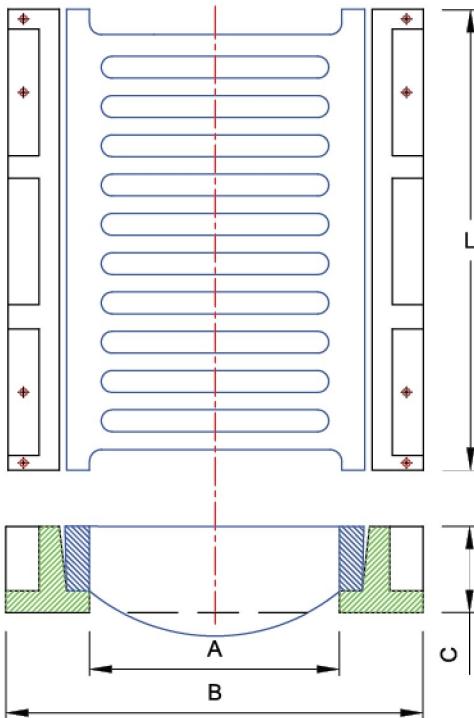
CATEGORY:CAST IRON MULTI DUTY CHANNEL GRATING
DESCRIPTION: RECTANGULAR COVER AND FRAME

Features :

Cold Applied Bitumen

Option :

Ductile Iron
 Epoxy Coated
 Mild Street Frame
 Lockable
 Hinged
 Mud Basket



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B(mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRR - 225 LD	160	225	53	74	1	BS 497
GRR - 250 LD	180	250	30	70	1	BS 497
GRR - 250 LD	180	250	33	70	1	BS 497
GRR - 310 MD	250	310	55	72	15	BS 497
GRR - 320 HD	150	320	75	70	35	BS 497
GRR - 305 HD	175	305	75	70	35	BS 497
GRR - 370 HD	200	370	75	70	35	BS 497
GRR - 420 LD	250	420	75	70	1	BS 497
GRR - 420 MD	250	420	75	70	15	BS 497
GRR - 420 HD	250	420	75	70	35	BS 497
GRR - 470 LD	300	470	75	70	1	BS 497
GRR - 470 MD	300	470	75	70	15	BS 497
GRR - 470 HD	300	470	75	70	35	BS 497
GRR - 520 LD	350	520	75	70	1	BS 497
GRR - 520 MD	350	520	75	70	15	BS 497
GRR - 520 HD	350	520	75	70	35	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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CAST IRON CHANNEL GRATING

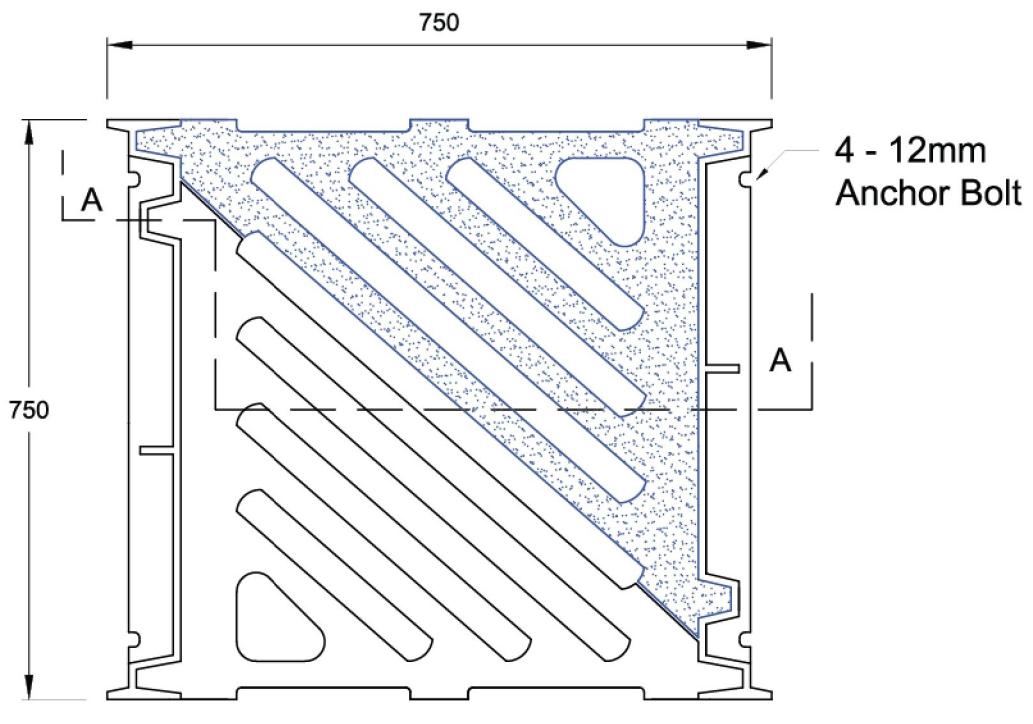
SQUARE COVERS AND FRAMES

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice

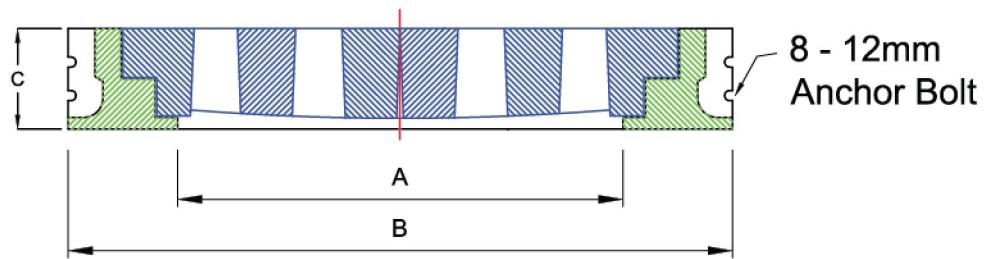
Head Office: Jeddah - Industrial Zone Phase (4) Building 4534 - Zip 22426 - Additional 7634 - Unit 1 - Saudi Arabia
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CATEGORY : EXTRA HEAVY DUTY CAST IRON CHANNEL GRATING
DESCRIPTION : SQUARE COVER AND FRAME



PLAN



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRT - 600 HD	600	860 X 750	130	250	35	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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CAST IRON GULLY GRATING

SQUARE COVERS AND FRAMES

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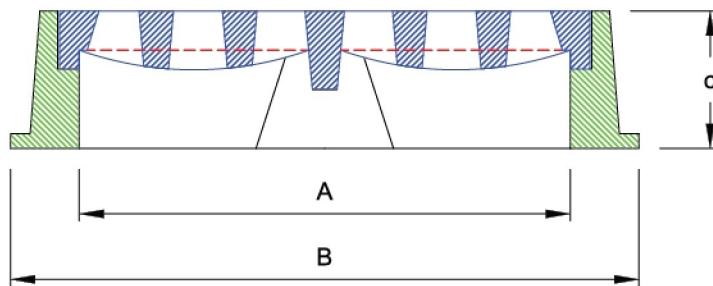
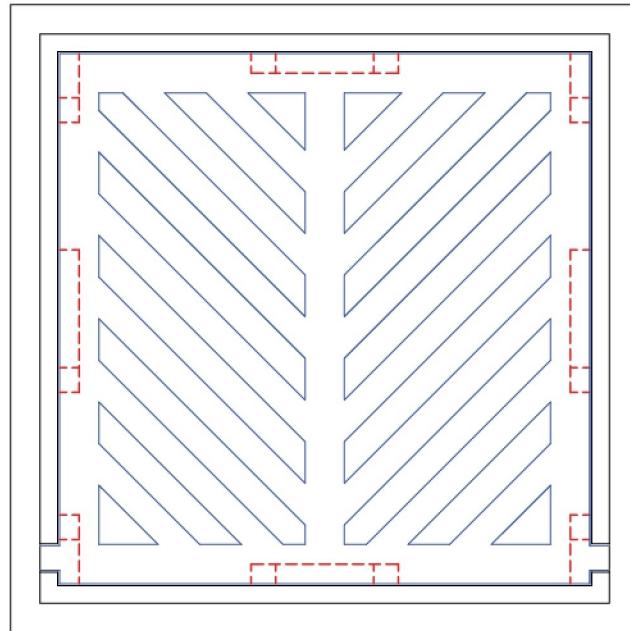
CATEGORY : CAST IRON GULLY GRATING
DESCRIPTION : SQUARE COVER AND FRAME

Features :

Cold Applied Bitumen

Option :

- Ductile Iron
- Epoxy Coated
- Mild Street Frame
- Lockable
- Hinged
- Mud Basket



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRS - 300 MD	300 x 300	420 x 420	50	30	15	BS 497
GRS - 600 HD	600 x 600	700 x 700	150	200	35	BS 497
GRS - 600 HDD	600 x 600	700 x 700	100	120	40	BS 497
GRS - 600 HHDD	600 x 600	800 x 800	100	140	40	BS 497
GRS - 800 MD	800 x 800	980 x 980	100	250	15	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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CAST IRON GULLY GRATING

**SQUARE COVERS
AND
RECTANGULAR FRAMES**

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice

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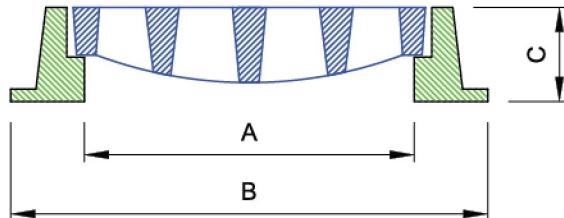
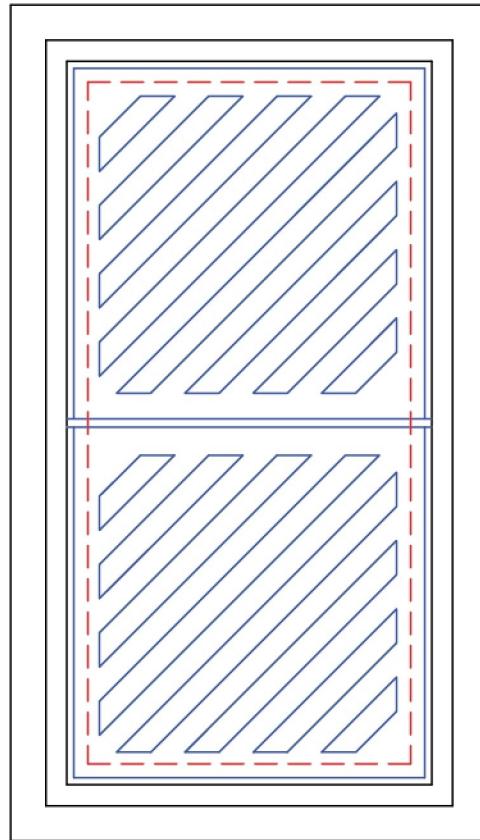
CATEGORY : HEAVY DUTY CAST IRON GULLY GRATING & STEEL ANGLE FRAME
DESCRIPTION : SQUARE COVER AND RECTANGULAR FRAME

Features :

Double Grate & Single Frame

Option :

Ductile Iron
Epoxy Coated



CATALOGUE NO.	CLEAR OPENING A (mm)	OVER BASE B (mm)	DEPTH C (mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRR - 500 1010 HD	500 x 1000	640 x 1200	160	325	35	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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**CAST IRON
GULLY GRATING**

**CIRCULAR
COVER AND FRAME**

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice

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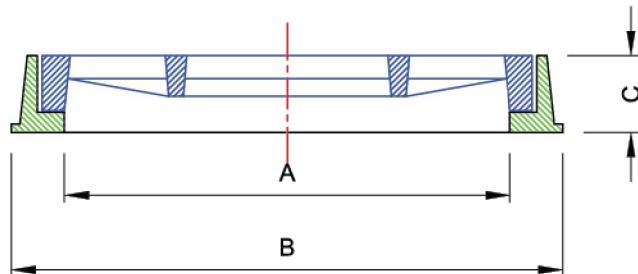
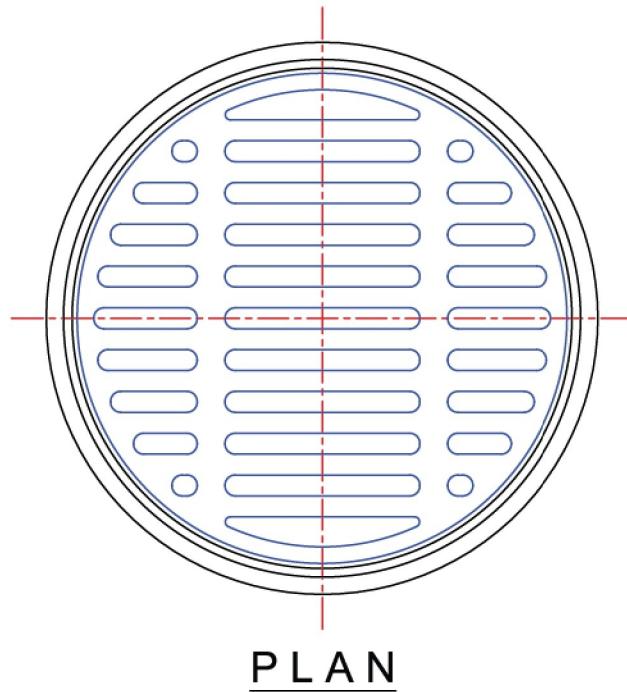
CATEGORY : CAST IRON GULLY GRATING
DESCRIPTION : CIRCULAR COVER AND FRAME

Features :

Cold Applied Bitumen

Option :

Ductile Iron
Epoxy Coated



CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B (mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRC - 600 MD	600 DIA	720 DIA	75	72	15	BS 497
GRC - 600 MD1	600 DIA	720 DIA	250	95	35	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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DUCTILE IRON GULLY GRATING

SQUARE COVERS AND FRAMES

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice

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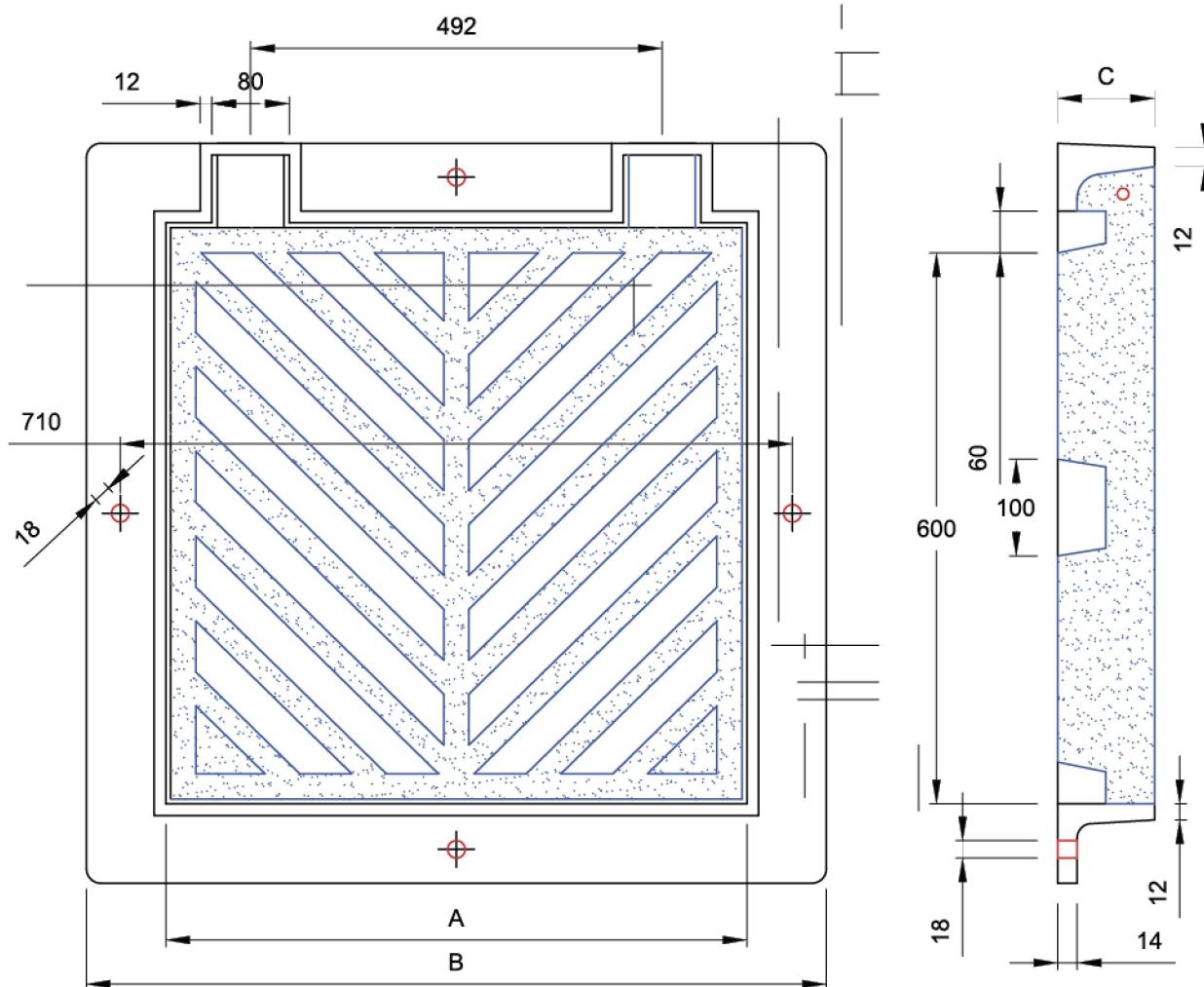
CATEGORY : DUCTILE IRON GULLY GRATING
DESCRIPTION : SQUARE COVER AND FRAME

Features :

Hinged Type
 Cold Applied Bitumen

Option :

Cast Iron
 Epoxy Coated

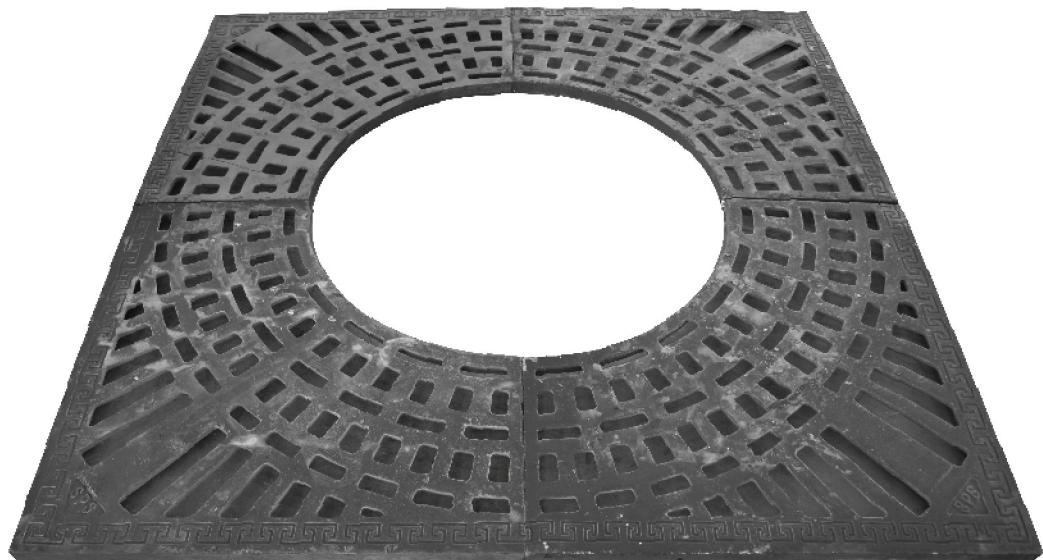


CATALOGUE NO.	CLEAR OPENING A(mm)	OVER BASE B(mm)	DEPTH C(mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
GRR - 600HHDD	600 x 600	760 x 760	100	120	40	EN 124

All Weight Are Subject to +/- 5% Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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CAST IRON TREE GRATING

SQUARE COVERS AND FRAMES

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice

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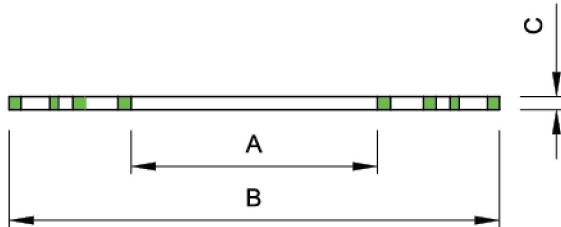
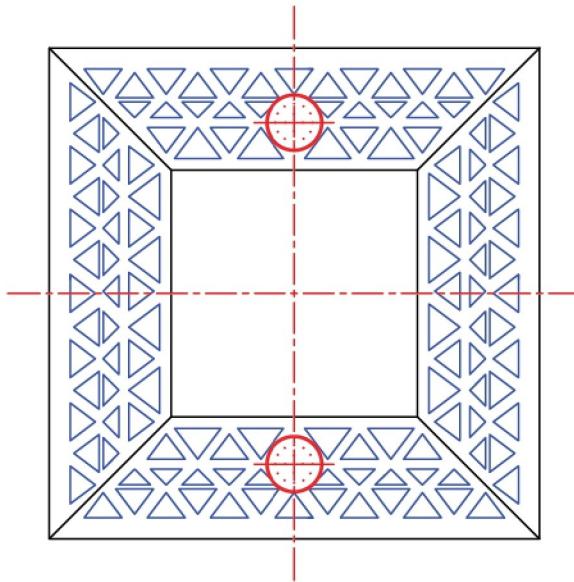
CATEGORY : CAST IRON TREE GRATING
DESCRIPTION : SQUARE COVER AND FRAME

Features :

- Opening bolted together
- Two Pieces Grate
- Light Fixtures for Opening

Option :

- Ductile Iron
- Epoxy Coated
- Without Galvanized Mild
- Steel Frame Support
- Without Light Opening
- Mud Basket



CATALOGUE NO.	CLEAR OPENING A (mm)	OVER BASE B (mm)	DEPTH C (mm)	APPROX. WEIGHT Kgs	LOADING Tons	STANDARD
TG - 700	700 x 700	1500 x 1500	25	140	1	BS 497

All Weight Are Subject to +/- 5%

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



SAUDI PIPES SYSTEMS CO. LTD.

APPROVALS

Materials for Approval (MAT)					
Project Name	Drainage Connection to Al-Bahria District of Makkah Al-Mukarramah city				
Project Code					
Contractor	(WEC) (WEC)			Date	33-05-2019
Consultant	Yahya Omer Abdulla Hussainy Co.			Date	30/11/2019
Material Description (only one box to be ticked)					
PVC DUCTILE IRON CONCRETE CLEAR DRAINING PIPE					
Code of Practice	AS/NZS 2047:2000		SAUDI ARABIA	SAUDI ARABIA	Checklist
Drawing Reference	S.I.B		SAUDI ARABIA	SAUDI ARABIA	Standard
Location	Technical Specification & Drawings				No. of Copies
Manufacturer / Supplier Information					
Company Name	SAUDI PIPES BY SYSTEM CO				
Address	Juffair Industrial Zone Phase 1, P.O. Box 31679 Jeddah 21516 Saudi-Arabia				
Telefacsimile	+966 2 6301991 333109 +966 2 0320303				
Contact Person	Saad Al-Harbi				
Country of Origin	K. S. R.				
We certify that the material enclosed above is in accordance with the Contract specification and Approved Drawing.					
Contractor:					
Name:	Abdul Rehman		Signature		Date
Consultant's Comments					
<input checked="" type="checkbox"/> Approved As Submitted <input type="checkbox"/> Approved As Noted <input type="checkbox"/> Declined					
This Material has been Approved below by (WEC) (WEC)					
Consultant (WEC)					
Name:	Abdul Rehman, B.Sc.		Signature		Date
WEC Comments (as applicable)					
Manager of Project	Makkah Capital Delivery Manager			Makkah area sector	
					
					
Acceptance does not relieve the contractor from his responsibility and liability concerning compliance with the contract requirements.					

HAR-OR-SAM Rev. No. 10				Form 13.1	
Al Hamraan High Speed Rail		EMPLOYER		Request No.	
Phase 1 Package 2		الإمارات العربية المتحدة State of United Emirates		P179-03-04-V-P- 9383-819	
Proj. No. 508139		CONTRACTOR		Date	
ENGINEER		Bahrain Industrial REINFORCED STEEL COMPANY		28/9/2012	
SUBMITTAL FOR APPROVAL OF MATERIALS					
1. MATERIAL DESCRIPTION (One item only on this form) MANHOLE COVERS AND FRAMES FOR (STORM WATER AND SEWAGE)					
Area of Application EXTERNAL WORKS B.O.D. Ref. No. N/A Drawing Ref. No. N/A Standard N/A Specification Ref. N/A <small>Area of work to which these are applied to directly relate designations such as Civil, Electrical, Services etc are applicable.</small>					
2. MANUFACTURER'S INFORMATION Company Name : SAUDI PIPE SYSTEMS CO. Address : SAUDI ARABIA, JEDDAH, P.O.BOX 34072, TEL +966 2 43061925 Local Agent : JEDDAB					
3. DELIVERY Country of Origin : K.S.A					
Availability: <input checked="" type="radio"/> Ready to be Delivered <input type="radio"/> Otherwise					
Delivery: Estimated Total Duration : TBC Received : 23 SEP 2012 Estimated Time of Arrival on Site : TBC					
Program: Data Material Required on Site : TBC Latest Date for Order : TBC					
<small>We certify that the above information is true and correct to the best of our knowledge and belief and that the material specified herein complies with the requirements of the contract documents and that the material will be used in accordance with the contract documents.</small>					
Submitted by: MR. MOHAMED RECOND Prepared by: M/S. GHASSEN MOURAQ					
4. ENGINEER'S REPRESENTATIVE'S COMMENTS: Only MACC 800 HD 250Kg Weight is approved to install as per specification. Please send Sample for final approval.					
Signature: DATE: 20/9/2012					
Approved without Certificate of his abilities under the Contract as well his authority and right to Control the work.					

Design Mechanical Data, Dimension, Materials and weight are subject to change without notice.



SPS

مصنع أنظمة الأنابيب السعودية
SAUDI PIPE SYSTEMS

SAUDI PIPES SYSTEMS CO. LTD.®



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Only products bearing UL logo are certified



Only products bearing WRAS logo are certified



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Ministry of Environment Water & Agriculture
شركة المياه الوطنية
National Water Company
المملكة العربية السعودية
Kingdom of Saudi Arabia



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